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[Decisions of the Court of Appeals of the District of Columbia are indicated by the letter (•); and of the United States Court of Customs and Patent Appeals by a star (▪).]

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aberson, Nathaniel L., Detroit, Mich. Veneer sheets for exterior wall facings for buildings. Serial No. 334,549; Nov. 6. Class 12.

Act Rion Pharmacal Co., The. (See Lowry, John M.)

Aetna Paper Company, The, Dayton, Ohio. Writing and printing paper. Serial No. 356,612; Nov. 6. Class 37.

American Medicinal Spirits Company, The, Louisville, Ky. Whiskey. Serial No. 354,148; Nov. 6. Class 49.

American Sales Book Company, Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Paper sheets, strips, and rolls suitable for manifolding use, record pads, etc. Serial No. 340,603; Nov. 6. Class 37.

American Woolen Company, New York, N. Y. Woolen piece goods. Serial No. 355,282; Nov. 6. Class 42.

Aronovic, Abraham, doing business as Phenosol Company, New York, N. Y. Soothing oil. Serial No. 355,658; Nov. 6. Class 6.

Baker & Company, Inc., Newark, N. J. Dental cement. Serial Nos. 356,472–3; Nov. 6. Class 44.

Bardstown Distillery, Incorporated, Bardstown, Ky. Whiskey. Serial No. 356,754; Nov. 6. Class 49.

Barron's Publishing Company, Boston, Mass., and New York, N. Y. Periodical. Serial No. 356,432; Nov. 6. Class 38.

Barton & Guestier, Bordeaux, France. Wines. Serial No. 349,221; Nov. 6. Class 47.

Bayer Company, Inc., The, New York, N. Y. Analgesic. Serial Nos. 355,725–6; Nov. 6. Class 6.

Beal, T. C., Los Angeles, Calif. Preparation for athlete's foot. Serial No. 354,719; Nov. 6. Class 6.

Benicia Fisheries, Inc., Benicia, Calif. Canned fish. Serial No. 356,401; Nov. 6. Class 46.

Birner, Philip, doing business as Del Vino Grape Products Co., New York, N. Y. Wines. Serial No. 344,751; Nov. 6. Class 47.

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils, crayons and pencil refill leads. Serial No. 354,743; Nov. 6. Class 37.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 355,660; Nov. 6. Class 42.

Bohemian Distributing Co. Ltd., Los Angeles, Calif. Whiskey. Serial No. 356,687; Nov. 6. Class 49.

Bollinger, Jacques J. M., Ay, France. Champagne wines. Serial No. 356,248; Nov. 6. Class 47.

Boltz, Jacob, Knitting Mill, Inc., Pottsville, Pa. Ladies' knit underwear. Serial No. 355,088; Nov. 6. Class 39.

Bondex, Incorporated, Chicago, Ill. Statistical blanks. Serial No. 356,144; Nov. 6. Class 37.

Braunstein, Joseph, Pittsburgh, Pa. Periodical publication. Serial Nos. 356,433–5; Nov. 6. Class 38.

Brogden, Ernest M., New Haven, Conn. Packing cases or crates. Serial No. 355,959; Nov. 6. Class 2.

Brownback, Lillian H., doing business as Qui Sait Company, New York, N. Y. Perfumed deodorizers. Serial No. 355,562; Nov. 6. Class 6.

Buerger Brothers Supply Company, The, Denver, Colo. Face powder, facial cream, hand lotion, etc. Serial No. 356,244; Nov. 6. Class 6.

Bureau of National Affairs, Incorporated, The, Washington, D. C. Publications. Serial Nos. 356,510–11; Nov. 6. Class 38.

Bureau of National Affairs, Incorporated, The, Washington, D. C. Sections of periodical publications. Serial Nos. 356,512–14; Nov. 6. Class 38.

California Growers Wineries, Inc., Fresno, Calif. Brandy. Serial No. 356,689; Nov. 6. Class 49.

Cam Locks Limited, London, England. Apparatus for lubricating door locks. Serial No. 354,430; Nov. 6. Class 25.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Lip sticks and pomades. Serial No. 353,601; Nov. 6. Class 6.

Clarice Jane Inc., Elgin, Ill. Vanity cases, compacts, and cosmetic containers. Serial No. 351,301; Nov. 6. Class 2.

Clark, Ada B., doing business as The Fistone & Appliance Co., College Corner, Ohio. Medicine for animals. Serial No. 356,215; Nov. 6. Class 6.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey. Serial Nos. 356,577–8; Nov. 6. Class 49.

Condor Products, Inc., Buffalo, N. Y. Garters and suspenders. Serial No. 352,609; Nov. 6. Class 39.

Conlin Chemical Company, Hollywood, Calif. Hair color restorative. Serial No. 353,785; Nov. 6. Class 6.

Crown Willamette Paper Company, San Francisco, Calif. Paper bags. Serial No. 343,599; Nov. 6. Class 2.

Dant Distillery Co., Incorporated, The, Dant, Ky. Whiskey. Serial No. 356,760; Nov. 6. Class 49.

Del Vino Grape Products Co. (See Birner, Philip.)

Dennis, Martin, Company, Newark, N. J. Material for the restoration of lubricant to silk fabrics removed by washing. Serial No. 355,073; Nov. 6. Class 6.

Dennison Manufacturing Company, Framingham, Mass. Reinforced shipping tag. Serial No. 356,251; Nov. 6. Class 37.

Devlin, Robert G., Chicago, Ill. Booklets. Serial Nos. 349,360–1; Nov. 6. Class 38.

De Zutter Service Corporation, New York, N. Y. Champagne. Serial No. 355,097; Nov. 6. Class 47.

Diamond State Distilling Co., Inc., New York, N. Y., and Cheswold, Del. Whiskey, gin, rum, brandy, etc. Serial No. 356,761; Nov. 6. Class 49.

Diaphragm & Chemical Company, Chicago, Ill. Pharmaceutical preparations. Serial No. 355,881; Nov. 6. Class 6.

Disston, Henry & Sons, Incorporated, Philadelphia, Pa. Saws, files, rasps, etc. Serial No. 354,497; Nov. 6. Class 23.

Dooman, David S., doing business as Stoddard Medicinal Products Company, Garden City, Long Island, N. Y. Pharmaceutical preparation. Serial No. 354,981; Nov. 6. Class 6.

Dowling, William E., co-executor of the will of Mary M. Dowling, Lawrenceburg, Ky. Whiskey. Serial No. 355,882; Nov. 6. Class 49.

Driver & Woodrow, Wenatchee, Wash. Fresh deciduous fruits. Serial No. 355,701; Nov. 6. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. High explosives of the dynamite type. Serial No. 356,582; Nov. 6. Class 9.

Establet, Antonin, Chateauneuf-du-Pape, Vaucluse, France. Wines. Serial No. 350,880; Nov. 6. Class 47.

Exhibit Supply Co. (See Meyer, John F.)

Fairfield Distilling Company, Incorporated, Louisville, Ky. Whiskey. Serial No. 355,964; Nov. 6. Class 49.

Farrel-Birmingham Company, Inc., Buffalo, N. Y. Flexible shaft coupilngs. Serial No. 355,760; Nov. 6. Class 23.

Federated Products Company, Kansas City, Mo. Dry cleaning fluids. Serial No. 356,404; Nov. 6. Class 4.

Fertig, Max, Sons, Inc., New York, N. Y. Cotton sheets and pillowcases. Serial No. 356,106; Nov. 6. Class 42.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Vehicle tires. Serial No. 356,342; Nov. 6. Class 35.

Fistone & Appliance Co., The. (See Clark, Ada, B.)

Freedman, Samuel, Corporation, The, Cincinnati, Ohio. Whiskey, brandy, gin, rum, etc. Serial No. 356,765; Nov. 6. Class 49.

Gamma Eta Gamma, Long Island City, N. Y. Fraternity badges, lapel buttons, ornamental pins, etc. Serial No. 353,172; Nov. 6. Class 28.

Gill & Kincaid, Redlands, Calif. Combination drying cabinet and clothes hamper. Serial No. 355,656; Nov. 6. Class 24.

Gotham Silk Hosiery Company, Inc., New York, N. Y. Women's gloves. Serial No. 338,738; Nov. 6. Class 39.

Graphic Arts Corporation, Minneapolis, Minn. Magazines. Serial No. 356,662; Nov. 6. Class 38.

Griffler, M. S., Import Company, Inc., New York, N. Y. Whiskey. Serial No. 356,304; Nov. 6. Class 49.

Hanauer, Albert M., Pittsburgh, Pa. Whiskey. Serial No. 349,279; Nov. 6. Class 49.

Harrison, John A., New York, N. Y. Ladies' cloaks and suits. Serial No. 355,662; Nov. 6. Class 39.

Hawley Products Company, St. Charles, Ill. Hats. Serial No. 354,800; Nov. 6. Class 39.

Heidenreich, Edw. F., & Sons, Inc., Chicago, Ill. Powdered hand soap. Serial No. 355,472; Nov. 6. Class 4.

Henriot & Compagnie, Reims, France. Wines. Serial No. 356,189; Nov. 6. Class 47.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Paints, stains, paint enamels, and varnishes. Serial No. 354,039; Nov. 6. Class 16.

Hill's Laboratories, Inc., Silver Spring, Md. Nasal spray preparation. Serial No. 355,554; Nov. 6. Class 6.

International Pulverizing Corporation, Camden, N. J. Pulverized limestone. Serial No. 353,809; Nov. 6. Class 16.

Kappner Mfg. Co., Inc. The, Cincinnati, Ohio. Trusses and abdominal supports. Serial No. 354,107; Nov. 6. Class 44.

Keller Knitting Company, The, Cleveland, Ohio. Knitted jackets. Serial No. 355,766; Nov. 6. Class 39.

Kimura, Hidezo, Sakoshi, Sakoshi-Mura, Ako-Gun, Hyogo-Ken, Japan. Insecticide sprayer. Serial No. 338,695; Nov. 6. Class 23.

Kirsch Jewelry Mfg. Co. Inc., New York, N. Y. Finger rings and other jewelry. Serial No. 353,573; Nov. 6. Class 28.

Krause Sportcraft Mfg. Co., Seattle, Wash. Coats, suits, sweaters, etc. Serial No. 325,584; Nov. 6. Class 39.

La Compañía Cubana de Cemento Portland, Habana, Cuba. Portland cement. Inter-American Series 1,269; Nov. 6. Class 12.

Lake Hamilton Citrus Growers Association, Lake Hamilton, Fla. Citrus fruits. Serial No. 355,479; Nov. 6. Class 46.

Lans Publishing Company, Chicago, Ill. Periodical. Serial No. 356,481; Nov. 6. Class 38.

Larabee Products Company. (See Stevens, F. D., jr.)

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

La Suevia, Compania Licorera, J. del Monte, Habana, Cuba. Aguardiente, rum, alcohol, and cognac. Inter-American Series No. 1,278; Nov. 6. Class 49.
La-Vay Sales, Inc., Cleveland, Ohio. Toilet preparation for stimulating the growth of the eyebrows, etc. Serial No. 355,847; Nov. 6. Class 6.
Lehrer, Jacob C., doing business as Philip Lehrer & Sons, New York, N. Y. Woolens in the piece or bolt. Serial No. 355,808; Nov. 6. Class 42.
Lewis, A. D., Atlanta, Ga. Maltless syrup for soft drinks. Serial No. 356,482; Nov. 6. Class 45.
Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. Serial Nos. 356,440–1; Nov. 6. Class 14.
Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. Serial No. 356,444; Nov. 6. Class 14.
Lindsay Ganley Co., Incorporated, The, St. Paul, Minn. Pumps. Serial No. 356,446; Nov. 6. Class 23.
Los Angeles Brewing Co., Los Angeles, Calif. Beverage alcohol. Serial No. 355,484; Nov. 6. Class 49.
Lowry, John M., doing business as The Act Rion Pharmacal Co., Huntington, W. Va. Eye wash. Serial No. 353,552; Nov. 6. Class 6.
M. & A. Products. (See Robnik, Anna.)
MacDonald, A., & Co., Ltd., Los Angeles, Calif., and London, England. Whiskey. Serial No. 356,594; Nov. 6. Class 49.
MacDonald, A., & Co., Ltd., Los Angeles, Calif. Whiskey. Serial No. 356,595; Nov. 6. Class 49.
MacNair-Dorland Company, New York, N. Y. Section of a magazine. Serial No. 356,487; Nov. 6. Class 38.
Macy, R. H., & Co., Inc., New York, N. Y. Wines. Serial No. 356,121; Nov. 6. Class 47.
Mann, Joseph, Boston, Mass. Ladies' hosiery. Serial No. 354,445; Nov. 6. Class 39.
Marks Brothers Company, Boston, Mass. Table board game. Serial No. 356,485; Nov. 6. Class 22.
Matthews, I., Oakland, Calif. Artificial flowers. Serial No. 355,895; Nov. 6. Class 40.
McKay, W. E., & Co., Inc., New York, N. Y. Fabrics of wool, cotton, silk, etc. Serial No. 355,515; Nov. 6. Class 42.
McKesson & Robins, Incorporated, Bridgeport, Conn. Whiskey. Serial No. 356,625; Nov. 6. Class 49.
Meiwald, Franz, doing business as Martin Weiss, Vienna, Austria. Electric wires and cables. Serial No. 356,627; Nov. 6. Class 21.
Menasha Products Company, The, Menasha, Wis. Waxed paper. Serial No. 354,687; Nov. 6. Class 37.
Menasha Products Company, The, Menasha, Wis. Waxed crepe paper for surgical wet dressings. Serial No. 355,150; Nov. 6. Class 44.
Menorol Company, Inc., Cincinnati, Ohio. Analgesic and antipyretic. Serial No. 355,224; Nov. 6. Class 6.
Merriam, G. & C., Company Springfield, Mass. Dictionaries. Serial Nos. 354,943–4; Nov. 6. Class 38.
Meyer, John F., doing business as Exhibit Supply Co., Chicago, Ill. Amusement game apparatus. Serial Nos. 356,732–3; Nov. 6. Class 22.
Mifflin Chemical Corporation, Philadelphia, Pa. Mouth wash. Serial No. 342,117; Nov. 6. Class 6.
Model Brassiere Co. Inc., Brooklyn, N. Y. Combination undergarment. Serial No. 355,684; Nov. 6. Class 39.
Modern Cemetery Publishing Company, The, Rockford, Ill. Periodical. Serial No. 356,043; Nov. 6. Class 38.
Monmouth Liquor Distributors, Inc., Asbury Park, N. J. Whiskey, gin, and brandy. Serial Nos. 356,632–3; Nov. 6. Class 49.
Munro-Gavin Co., Seattle, Wash. Canned fish. Serial No. 356,317; Nov. 6. Class 46.
N-B Enamel Paint Company, Inc., New York, N. Y. Paints, paint enamels, lacquers, and varnishes. Serial No. 354,356; Nov. 6. Class 16.
Newton Line Company, Inc., Homer, N. Y. Fishing lines. Serial No. 356,738; Nov. 6. Class 22.
Ola, S. E., Beverage Company, The, Washington, Ga. Maltless beverages and a beverage syrup. Serial No. 356,267; Nov. 6. Class 45.
Old Town Ribbon & Carbon Co. Inc., Brooklyn, N. Y. Typewriter ribbons, inked ribbons, and carbon paper. Serial No. 355,944; Nov. 6. Class 11.
Paper Makers Chemical Corporation, Wilmington, Del. Gum and wood rosin. Serial No. 356,532; Nov. 6. Class 1.
Park, Benziger & Co., Inc., New York, N. Y. Brandy. Serial No. 356,424; Nov. 6. Class 49.
Penn Tobacco Company, Wilkes-Barre, Pa. Paper used Maltless beverages and a beverage syrup. Serial No. 6. Class 8.
Phenosol Company. (See Aronovic, Abraham.)
Phi Kappa Sigma, Philadelphia, Pa. Fraternity badges, pins, charms, and buttons. Serial No. 355,977; Nov. 6 Class 28.
Phillips, Frederick, Boston, Mass. Wheat flour. Serial No. 349,053; Nov. 6. Class 46.
Picker-Linz Importers, Inc., New York, N. Y. Gin. Serial No. 355,325; Nov. 6. Class 49.
Playgames, Inc., Newark, N. J. Table board games. Serial No. 355,852; Nov. 6. Class 22.
Plee-Zing, Inc., Chicago, Ill. Soluble compound having deodorizing, disinfecting, etc., properties. Serial No. 355,581; Nov. 6. Class 6.
Poust, Abraham, doing business as Poust Liquor & Wine Co., New York, N. Y. Wines. Serial No. 355,899; Nov. 6. Class 47.
Premier Chemical Corp., The, Cleveland, Ohio. Gold paint, aluminum paint, gold enamel, etc. Serial No. 355,815; Nov. 6. Class 16.
Qui Sait Company. (See Brownback, Lillian H.)
Ralston Purina Company, St. Louis, Mo. Worm preparation for poultry, dogs, and foxes. Serial No. 341,984; Nov. 6. Class 6.
Review of Reviews Corporation, New York, N. Y. Department or section of a weekly publication. Serial No. 356,537; Nov. 6. Class 38.
Robnik, Anna, doing business as M. & A. Products, Cleveland, Ohio. Hair tonic. Serial No. 355,521; Nov. 6. Class 6.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Amusement device. Serial Nos. 355,979–82; Nov. 6 Class 22.
Rossano, A., Inc., New York, N. Y. Gin. Serial No 352,876; Nov. 6. Class 49.
Rossville Commercial Alcohol Corporation, New York, N. Y. Denatured alcohol. Serial No. 354,871; Nov. 6. Class 6.
Royal, Fred C., Dearborn, Mich. Pipes for smoking. Serial No. 350,058; Nov. 6. Class 8.
Rudo, B. H., & Bro., Baltimore, Md. Canned fruits, vegetables, fish, salt, hominy, etc. Serial No. 355,041; Nov. 6. Class 46.
Ruxton Products, Inc., New York, N. Y. Writing inks, printing inks, stamp pad inks, carbon paper, etc. Serial No. 355,119; Nov. 6. Class 11.
San Palma Cigar Company, Brazil, Ind. Cigars. Serial No. 356,497; Nov. 6. Class 17.
Schanck, Roderick P., doing business as Schanck Citrus Company, East Orange, N. J. Pure honey. Serial No. 355,414; Nov. 6. Class 46.
Scheidt, Adam, Brewing Co., Norristown, Pa. Ale. Serial No. 356,604; Nov. 6. Class 48.
Scheuer, Samuel, New York, N. Y. Women's and children's hats and caps. Serial No. 355,713; Nov. 6. Class 39.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. Serial No. 355,857; Nov. 6. Class 39.
Schwartz, William & Co., Inc., New York, N. Y. Men's suits, topcoats, and overcoats. Serial No. 355,741; Nov. 6. Class 39.
Sciafani Wine Corporation, Brooklyn, N. Y. Wines. Serial No. 356,494; Nov. 6. Class 47.
Scott Manufacturing Company, Philadelphia, Pa. Ironing machines. Serial No. 356,460; Nov. 6. Class 24.
Sears, Roebuck and Co., Chicago, Ill. Watches. Serial No. 351,825; Nov. 6. Class 27.
Sears, Roebuck and Co., Chicago, Ill. Blankets. Serial No. 355,901; Nov. 6. Class 42.
Security Mills, Inc., New York, N. Y. Rough woolen cloth. Serial No. 354,267; Nov. 6. Class 42.
Sem Co., The. (See Steger, Edw. M.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Effervescent sodium-phosphate compound. Serial No. 355,817; Nov. 6. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Vaccines. Serial No. 355,818; Nov. 6. Class 6.
Shline, John M. H., New York, N. Y. Depilatory. Serial No. 355,641; Nov. 6. Class 6.
Sir Kienso Manufacturing Company, Oklahoma City, Okla. Water softener and cleanser. Serial No. 355,858; Nov. 6. Class 6.
Sociedad Vinicola S. & L. Durlacher, Hamburg, Germany. Wines. Serial No. 345,730; Nov. 6. Class 47.
Southard & Co. Limited, London, England, and Glasgow, Scotland. Scotch whisky. Serial No. 355,646; Nov. 6. Class 49.
Spanier, Aaron, New York, N. Y. Maltless beverages. Serial No. 352,270; Nov. 6. Class 45.
Spellman, E. L., Co., Inc., Hoboken, N. J. Rum. Serial No. 356,745; Nov. 6. Class 49.
Stanco Incorporated, Wilmington, Del., and New York, N. Y. Edible oils. Serial No. 356,320; Nov. 6. Class 46.
Steamsterile, Inc., Dayton, Ohio. Steam generating device. Serial No. 352,931; Nov. 6. Class 23.
Steger, Edw. M., doing business as The Sem Co., Dyersville, Iowa. Medicine for hogs and pigs. Serial No. 342,171; Nov. 6. Class 6.
Sterling Company, The, Chicago, Ill. Ladies' wash dresses, including combination dresses and aprons. Serial No. 355,906; Nov. 6. Class 39.
Stevens, F. D., jr., doing business as Larabee Products Company, Wichita, Kans. Leather dressing. Serial No. 352,843; Nov. 6. Class 4.
Stoddard Medicinal Products Company. (See Dooman, David S.)
Stride Products Corporation, Cleveland, Ohio. Corn pads, metatarsal supports, arch supports, etc. Serial No. 356,203; Nov. 6. Class 44.
Summerour & Sons, Inc., Vernon, Tex. Cotton seed. Serial No. 356,086; Nov. 6. Class 1.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses and dresses. Serial No. 354,099; Nov. 6. Class 39.
Texas Company, The, New York, N. Y. Rubbing oil for furniture. Serial No. 355,595; Nov. 6. Class 16.
Tipps, William B., Springfield, Ill. Hair-waving pads. Serial No. 349,059; Nov. 6. Class 44.
Tri-Valley Packing Association, San Francisco, Calif. Canned fruits. Serial No. 354,484; Nov. 6. Class 46.
Tri-Valley Packing Association, San Francisco, Calif. Canned fruits, canned vegetables. Serial No. 354,487; Nov. 6. Class 46.
Union Oil Company of California, Los Angeles, Calif. Paint oils, paint thinners, metal lacquers, floor oil, and mineral spirits. Serial No. 324,855; Nov. 6. Class 16.
United Drug Company, Boston, Mass. Cough drops. Serial No. 355,863; Nov. 6. Class 6.
United States News Publishing Corporation, The, Washington, D. C. Publications. Serial No. 356,548; Nov. 6. Class 38.
United States News Publishing Corporation, The, Washington, D. C. Sections of periodical publications. Serial Nos. 356,549–53; Nov. 6. Class 38.
United States News Publishing Corporation, The, Washington, D. C. Sections of periodical publications. Serial No. 356,786; Nov. 6. Class 38.
Verza Tanning Co., Boston, Mass. Tanned calf skin. Serial No. 355,951; Nov. 6. Class 1.
Veuve Amiot, Société à responsabilité limitée, St.-Hilaire-St.-Florent, (Maine-et-Loire), France. Sparkling wines. Serial No. 354,141; Nov. 6. Class 47.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. Cabinets, files, file cabinets, etc. Serial No. 356,059; Nov. 6. Class 32.
Webster, William A., Company, The, Memphis, Tenn. Dental cream. Serial Nos. 355,913–14; Nov. 6. Class 6.
Webster, William A., Company, The, Memphis, Tenn. Dental cream. Serial No. 355,917; Nov. 6. Class 6.
Weiss, Martin. (See Meiwald, Franz.)
Wight, Frank L., Distilling Company, The, Loreley, Md. Whiskey. Serial No. 356,653; Nov. 6. Class 49.
Winthrop Chemical Company, Inc., New York, N. Y. Hypnotic and sedative. Serial No. 355,746; Nov. 6. Class 6.
Worthall, Ltd., New York, N. Y. Soap. Serial No. 356,467; Nov. 6. Class 4.
Zobel, Myron, New York, N. Y. Partially printed forms. Serial No. 356,136; Nov. 6. Class 37.
Zotos Corporation, New York, N. Y. Hair-waving pads. Serial No. 356,093; Nov. 6. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Adnun Engineering & Manufacturing Company, Nunda, N. Y. Pavers. 318,906; Nov. 6; Serial No. 354,065; published Aug. 28, 1934. Class 23.
Ahrendt, Max H., doing business as Manatee Hammock Fruit Co., Manatee, Fla. Citrus fruits, oranges, and grapefruit. 318,836; Nov. 6; Serial No. 353,836; published Aug. 28, 1934. Class 46.
Aladdin Laboratories, Inc., Minneapolis, Minn. Hair rinse tablet. 318,794; Nov. 6; Serial No. 353,050; published Aug. 21, 1934. Class 6.
Allcock Manufacturing Company, Ossining, N. Y. Preparation for manicuring and caring for the hands. 318,837; Nov. 6; Serial No. 353,743; published Aug. 28, 1934. Class 6.
Alling, Frank W., doing business as George E. Alling & Sons, Winsted, Conn. Combination electric bridge lamps and table ash tray. 318,809; Nov. 6; Serial No. 345,091; published Aug. 28, 1934. Class 21.
All-Star Products Company, York, Pa. Tar remover preparation, carbon remover, shock absorber fluid, etc. 318,866; Nov. 6; Serial No. 352,601; published Aug. 21, 1934. Class 6.
American Distilling Co., The, Pekin, Ill. Whiskey. 318,944–5; Nov. 6; Serial Nos. 354,340–1; published Sept. 4, 1934. Class 49.
American Dyewood Company, New York, N. Y. Dyewood extract. 318,761; Nov. 6; Serial No. 353,254; published Aug. 28, 1934. Class 6.
American Floor Surfacing Machine Company, The, Toledo, Ohio. Sandpaper and abrasive paper and cloth. 318,832; Nov. 6; Serial No. 353,909; published Aug. 28, 1934. Class 4.
American Lead Pencil Company, New York, N. Y. Lead pencils. 318,807; Nov. 6; Serial No. 346,100; published Sept. 4, 1934. Class 37.
American Spirits, Inc., New York, N. Y. Rum. 318,851; Nov. 6; Serial No. 352,416; published Aug. 14, 1934. Class 49.
American Suspender Company, Cincinnati, Ohio. Garters, suspenders, etc. 318,930; Nov. 6; Serial No. 349,215; published Aug. 28, 1934. Class 39.
Anzell Specialty Mfg. Co., Inc., Brooklyn, N. Y. Vanity or make-up mirrors. 318,763; Nov. 6; Serial No. 351,489; published Aug. 28, 1934. Class 32.
Asiatic Petroleum Company, Limited, The, assignor, by mesne assignments, to The Asiatic Petroleum Company Limited, London, England. Candles, night-lights, and mineral wax. 98,236; renewed July 7, 1934.
Aztec Buying Corp., Los Angeles, Calif. Wine. 318,787; Nov. 6; Serial No. 353,054; published Aug. 28, 1934. Class 47.
Berse, Harry, assignor to Essex Razor Blade Corporation, Jersey City, N. J. Razor blades. 318,846; Nov. 6; Serial No. 352,421; published Aug. 28, 1934. Class 23.
Bishop & Babcock Manufacturing Company, The, Cleveland, Ohio. Beer pumps and air pumps. 318,771; Nov. 6; Serial No. 338,721; published Aug. 28, 1934. Class 23.
Bishop & Babcock Manufacturing Company, The, Cleveland, Ohio. Beer pumps and air pumps. 318,772; Nov. 6; Serial No. 338,718; published Aug. 28, 1934. Class 23.
Bond, W. G., Inc., Baltimore, Md. Whiskey. 318,908–9; Nov. 6; Serial Nos. 354,550–1; published Sept. 4, 1934. Class 49.
Bond, W. G., Inc., Baltimore, Md. Whiskey. 318,912–13; Nov. 6; Serial Nos. 354,548–9; published Sept. 4, 1934. Class 49.
Bosch, Pedro F., San Sadurni de Noya, Barcelona, Spain. Wines. 318,948; Nov. 6; Serial No. 350,315; published Aug. 28, 1934. Class 47.
Brown, Harry H., Gloversville, N. Y. Polish for pianos, furniture, leather, upholstery, and automobiles. 318,803; Nov. 6; Serial No. 346,230; published Mar. 13, 1934. Class 16.
Bullock's, Inc., Los Angeles, Calif. Shoes, hats, coats, etc. 318,946; Nov. 6; Serial No. 350,677; published Aug. 28, 1934. Class 39.
Butterfield, Fred, & Co., Inc., New York, N. Y. Women's wearing apparel. 318,902; Nov. 6; Serial No. 351,904; published Aug. 28, 1934. Class 39.
California Mission Vintage Co. (See Guerrieri, Lewis.)
Carbonaro, John, Auburn, N. Y. Cough syrup. 318,896; Nov. 6; Serial No. 346,949; published Aug. 21, 1934. Class 6.
Carstairs, D. H. & J. H., assignors to Carstairs Bros. Distilling Co., Philadelphia, Pa. Whiskey. 318,816; Nov. 6; Serial No. 343,160; published Jan. 16, 1934. Class 49.
Cataract Brewing Co., Inc. of Rochester, N. Y., Rochester, N. Y. Porter, ale, etc. 318,820; Nov. 6; Serial No. 342,257; published Aug. 28, 1934. Class 48.
Cella, Battista, doing business as Roma Wine Company, Lodi, Calif. Wines. 318,859; Nov. 6; Serial No. 352,068; published Aug. 28, 1934. Class 47.
Cella, Battista, doing business as Roma Wine Company, Lodi, Calif. Wines. 318,899–900; Nov. 6; Serial Nos. 351,966–7; published Aug. 28, 1934. Class 47.
Centa Trading Corporation, New York, N. Y. Mirrors. 318,808; Nov. 6; Serial No. 345,007; published Feb. 6, 1934. Class 32.
Certane Co., Inc., Los Angeles, Calif. Pile suppositories and ointments. 318,765; Nov. 6; Serial No. 351,731; published Aug. 28, 1934. Class 6.
Chartre Institute Inc. (See House of Tre-Jur, Inc.)
Civello, Gregorio, Alliance, Ohio. Medicinal preparation. 318,884; Nov. 6; Serial No. 352,030; published Aug. 21, 1934. Class 6.
Clark-Hoover, Inc., South Bend, Ind. Wave set and body deodorant. 318,878; Nov. 6; Serial No. 352,816; published Aug. 28, 1934. Class 6.
Clean Home Products, Inc., Chicago, Ill. Electric cigarette lighter. 318,994; Nov. 6. Class 21.
Cleveland-Cliffs Iron Co., The, Cleveland, Ohio. Acetate of lime, acetic acid, acetone, etc. 318,949; Nov. 6; Serial No. 350,510; published Aug. 21, 1934. Class 6.
Cloud, Jane, Inc., New York, N. Y. Creams, eye tonic, skin tonic, etc. 318,989; Nov. 6. Class 6.
Clover Leaf Products Company, Los Angeles, Calif. Wine. 318,755; Nov. 6; Serial No. 353,379; published Aug. 28, 1934. Class 47.
Cochran Company, The, Cleveland, Ohio. Silverware polish, cleaning compounds. 318,759; Nov. 6; Serial No. 353,321; published Aug. 28, 1934. Class 4.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 318,955; Nov. 6; Serial No. 353,708; published Aug. 28, 1934. Class 4.
Combeasy Co., The. (See Nell, Thomas H.)
Cone Export and Commission Company, New York, N. Y. Cotton goods. 318,847; Nov. 6; Serial No. 352,429; published Aug. 28, 1934. Class 42.
Consolidated Liquor Distributors, Inc., Jersey City, N. J. Whiskey, gin, etc. 318,911; Nov. 6; Serial No. 354,505; published Sept. 4, 1934. Class 49.
Container Corporation of America, Chicago, Ill. Paper pails and cartons. 318,991; Nov. 6. Class 2.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 318,963; Nov. 6; Serial No. 354,284; published Sept. 4, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 318,964–5; Nov. 6; Serial Nos. 354,284–5; published Sept. 4, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 318,969; Nov. 6; Serial No. 354,279; published Sept. 4, 1934. Class 49.
Cook, Ernest L., to E. L. Cook Brick Co., State Farm, Mass., successor. Brick. 99,433; renewed Sept. 1, 1934.
Cooper, William, & Nephews, Incorporated, Chicago, Ill. Insecticides. 318,825; Nov. 6; Serial No. 351,852; published Aug. 21, 1934. Class 6.
Cooper, William, & Nephews, Incorporated, Chicago, Ill. Insecticides and dressing for the destruction of sarcoptic mange, etc. 318,904; Nov. 6; Serial No. 351,853; published Aug. 21, 1934. Class 6.
Creiger, Mrs. Philip E., doing business as Nanex Products, New York, N. Y. Depilatories. 318,877; Nov. 6; Serial No. 352,818; published Aug. 28, 1934. Class 6.
Cromwell and Hart, Los Angeles, Calif. Preparation for making home-made ice cream. 318,992; Nov. 6. Class 46.
Dandro-Sol Laboratories, Inc., Baltimore, Md. Medicated vanishing skin cream. 318,888; Nov. 6; Serial No. 348,062; published Aug. 28, 1934. Class 6.
Davison, Warren W., doing business as NoDoz Laboratories, Colusa, Calif. Medical preparation to minimize autointoxication. 318,985; Nov. 6. Class 6.
De Erven Wed. H. Warnink. (See Houweling, G. E. W.)
Dejonge, Louis, & Co., New York, N. Y. Printing paper. 318,983; Nov. 6. Class 37.
Delaforce Sons & Co., Vila Nova de Gaia, Portugal. Port wine. 318,850; Nov. 6; Serial No. 351,108; published Aug. 28, 1934. Class 47.
Delamain & Company, Jarnac-Cognac, France. Cognac. 318,814; Nov. 6; Serial No. 344,581; published June 5, 1934. Class 49.
Diamond Mineral Water Corporation, Dallas, Tex. Mineral water crystals. 318,874; Nov. 6; Serial No. 352,782; published Aug. 21, 1934. Class 6.
Dieter, John G., & Sons, Inc., Williamsport, Pa. Candles. 318,907; Nov. 6; Serial No. 354,072; published Aug. 28, 1934. Class 46.
Drexel Company of Elgin, Elgin, Ill. Effervescent granular salt. 318,993; Nov. 6. Class 6.
Dubos, Th. J., & Fils Freres, Bordeaux, France. Wines. 318,922; Nov. 6; Serial No. 353,504; published Aug. 28, 1934. Class 47.
Duer, Arthur W., Snow Hill, Md. Medicine and pharmaceutical preparation. 318,901; Nov. 6; Serial No. 351,909; published Aug. 21, 1934. Class 6.
Ehrmann, Hilmar, doing business as Hilmar Ehrmann & Co., Louisville, Ky. Whiskey, gin, and brandy. 318,939; Nov. 6; Serial No. 354,370; published Sept. 4, 1934. Class 49.
Elrico Products Company. (See Wasserstrom, N., & Sons, Inc.)
Esmond Mills, The, New York, N. Y. Blankets. 318,779; Nov. 6; Serial No. 353,471; published Aug. 28, 1934. Class 42.
Essex Razor Blade Corporation. (See Berse, Harry.)
Etablissements Abel Bresson, Societe Anonyme, Beziers, France. Alcoholic cordials. 318,818; Nov. 6; Serial No. 352,972; published Sept. 4, 1934. Class 49.
Etablissements Abel Bresson, Societe Anonyme, Beziers, France. Alcoholic cordials and aperitifs. 318,819; Nov. 6; Serial No. 352,970; published Sept. 4, 1934 Class 49.
Etablissements Abel Bresson, Societe Anonyme, Beziers, France. Vermouth. 318,881; Nov. 6; Serial No. 352,854; published Aug. 28, 1934. Class 47.
Etablissements Violette, Inc., New York, N. Y. Brandies. 318,895; Nov. 6; Serial No. 346,769; published Sept. 4, 1934. Class 49.
Felsen Tobacco Co., Inc., East St. Louis, Ill. Whiskey, gin, rum, etc. 318,935; Nov. 6; Serial No. 354,437; published Sept. 4, 1934. Class 49.
Feuerheerd Brothers & Company Limited, St. Heller, Jersey, Channel Islands. Port wine. 318,947; Nov. 6; Serial No. 350,847; published Aug. 28, 1934. Class 47.
Finch, Joseph S., & Company, Schenley, Pa., assignor to R. C. Williams & Company, Inc., New York, N. Y. Whiskey, gin, rum, etc. 318,791; Nov. 6; Serial No. 353,713; published Aug. 14, 1934. Class 49.
Finishine Laboratories. (See Hagadorn, Elmore W.)
Flex-O-Tube Company, The, Detroit, Mich. Hose couplings. 318,869; Nov. 6; Serial No. 352,996; published Aug. 28, 1934. Class 13.
Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 318,910; Nov. 6; Serial No. 354,604; published Sept. 4, 1934. Class 49.
Friedman, Keller & Co., Inc., Paducah, Ky. Whiskey and gin. 318,936; Nov. 6; Serial No. 354,438; published Sept. 4, 1934. Class 49.
Friedman, Keller & Company, Incorporated, Paducah, Ky. Whiskey. 318,905; Nov. 6; Serial No. 354,607; published Sept. 4, 1934. Class 49.
Friedman, Morris B., Philadelphia, Pa. Pharmaceutical preparation. 318,872; Nov. 6; Serial No. 352,612; published Aug. 28, 1934. Class 6.
Gardex, Inc., Wilmington, Del., and Michigan City, Ind. Garden and agricultural tools. 318,927; Nov. 6; Serial No. 354,076; published Aug. 28, 1934. Class 23.
Gem-Dandy Garter Co., Madison, N. C. Garters, garter belts, and hose supporters. 318,796; Nov. 6; Serial No. 336,041; published Aug. 28, 1934. Class 39.
General Mills, Inc., Minneapolis, Minn. Silverware. 318,830; Nov. 6; Serial No. 354,084; published Aug. 28, 1934. Class 28.
General Paint & Varnish Co., Chicago, Ill. Paint, varnishes, etc. 318,931; Nov. 6; Serial No. 349,234; published Aug. 21, 1934. Class 16.
Gernsback Publications, Inc., New York, N. Y. Publication. 318,840–1; Nov. 6; Serial Nos. 352,483–4; published Sept. 4, 1934. Class 38.
Gernsback Publications, Inc., New York, N. Y. Publications. 318,844–5; Nov. 6; Serial Nos. 352,481–2; published Sept. 4, 1934. Class 38.
Gimbel Brothers, Inc., New York, N. Y. Wines. 318,887; Nov. 6; Serial No. 348,544; published Aug. 28, 1934. Class 47.
Goldie, Edward J., Importation Co., San Francisco, Calif. Whiskey. 318,838; Nov. 6; Serial No. 353,756; published Sept. 4, 1934. Class 49.
Gooderham & Worts, Ltd., Toronto, Ontario, Canada, assignor to Gooderham & Worts Limited, Detroit, Mich. Whisky. 318,842; Nov. 6; Serial No. 352,532; published Sept. 4, 1934. Class 49.
Gooderham & Worts Limited, Detroit, Mich. Whiskey, gin, and cocktails. 318,966; Nov. 6; Serial No. 354,289; published Sept. 4, 1934. Class 49.
Good Humor Corporation of America, Inc., Brooklyn, N. Y. Canned and bottled fruits and vegetables, tomato juice, etc. 318,780; Nov. 6; Serial No. 353,385; published Aug. 28, 1934. Class 46.
Good Humor Corporation of America, Inc., Brooklyn, N. Y. Potato chips. 318,781; Nov. 6; Serial No. 353,386; published Aug. 28, 1934. Class 46.
Good Humor Corporation of America, Inc., Brooklyn, N. Y. Coffee beans and ground coffee. 318,782; Nov. 6; Serial No. 353,387; published Aug. 28, 1934. Class 46.
Gray, William S., & Co., New York, N. Y. Denatured alcohol. 318,785; Nov. 6; Serial No. 353,129; published Aug. 28, 1934. Class 6.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Canned cheese. 318,958; Nov. 6; Serial No. 353,694; published Aug. 28, 1934. Class 46.
Greenberg, Louis, & Son, Inc., New York, N. Y. Combs, pin cushions, shoe laces, etc. 318,774; Nov. 6; Serial No. 351,576; published Aug. 28, 1934. Class 40.
Greenspan Bros. Co., Perth Amboy, N. J. Whisky and gin. 318,831; Nov. 6; Serial No. 353,886; published Aug. 21, 1934. Class 49.
Griffler Wine Company, Inc., The, New York, N. Y. Wine. 318,897; Nov. 6; Serial No. 347,279; published Aug. 28, 1934. Class 47.
Guerrieri, Lewis, doing business as California Mission Vintage Co., Los Angeles, Calif. Wines. 318,920; Nov. 6; Serial No. 353,567; published Aug. 28, 1934. Class 47.
Gutenstein Brothers, New York, N. Y. Jewelry. 318,926; Nov. 6; Serial No. 353,475; published Aug. 28, 1934. Class 28.
Haas Pharmacy, New York, N. Y. Medicinal preparation. 318,778; Nov. 6; Serial No. 353,462; published Aug. 28, 1934. Class 6.
Hagadorn, Elmore W., doing business as Finishine Laboratories, Syracuse, N. Y. Preparation for cleaning windows, mirrors, etc. 318,915; Nov. 6; Serial No. 353,569; published Aug. 28, 1934. Class 4.
Hall, Charles E., Lynchburg, Va. Capsules for colds. 318,852; Nov. 6; Serial No. 351,408; published Aug. 21, 1934. Class 6.
Hauschild, O. A. Johannes, doing business as J. John Nchf, Dresden, Germany. Glue. 318,811; Nov. 6; Serial No. 343,471; published June 19, 1934. Class 5.
Hercules Motors Corporation, Canton, Ohio. Internal combustion engines, power units and accessories. 318,776; Nov. 6; Serial No. 315,687; published Aug. 15, 1933. Class 23.
Hershey Chocolate Corporation, Hershey, Pa. Confectionery. 318,812; Nov. 6; Serial No. 343,922; published Aug. 28, 1934. Class 46.
Higginbotham & Ison, Limited, Manchester, England. Whisky. 318,893; Nov. 6; Serial No. 347,910; published Sept. 4, 1934. Class 49.
Hirsch Distilling Company, Kansas City, Mo. Whiskey. 318,917; Nov. 6; Serial No. 353,653; published Sept. 4, 1934. Class 49.
Hogland, George L., doing business as Sunshine State Cereal Co., Albuquerque, N. Mex. Cereal breakfast food. 318,792; Nov. 6; Serial No. 353,018; published Aug. 28, 1934. Class 46.
Houghton, E. F., & Co., Philadelphia, Pa. Lubricating oils. 318,756; Nov. 6; Serial No. 353,274; published Aug. 28, 1934. Class 15.
Houghton, E. F., & Co., Philadelphia, Pa. Carburizing compounds, disinfectants, etc. 318,762; Nov. 6; Serial No. 353,273; published Aug. 28, 1934. Class 6.
House of Castleberry, Inc., New York, N. Y. Face cream, powder, masks, etc. 318,871; Nov. 6; Serial No. 352,669; published Aug. 21, 1934. Class 6.
House of Tre-Jur, Inc., The, doing business as Chartre Institute Inc., New York, N. Y. Beauty and facial preparations. 318,821; Nov. 6; Serial No. 343,057; published Aug. 28, 1934. Class 6.

Houweling, G. E. W., doing business as De Erven Wed. H. Warnink, Amsterdam, Netherlands. Advocaat, Dutch eggnog. 318,861; Nov. 6; Serial No. 352,245; published July 17, 1934. Class 49.
International Nickel Company, Inc., The, New York, N. Y. Green nickel oxide, black nickel oxide, and flux. 318,767; Nov. 6; Serial No. 353,216; published Aug. 28, 1934. Class 6.
International Paper Company, New York, N. Y. Book paper. 318,882; Nov. 6; Serial No. 348,648; published Sept. 4, 1934. Class 37.
Irish Hills Distilleries, Inc., Detroit, Mich. Whiskey. 318,862–4; Nov. 6; Serial Nos. 352,184–6; published Sept. 4, 1934. Class 49.
J. & S. Carburetor Co., Dallas, Tex. Carburetors. 318,959; Nov. 6; Serial No. 353,700; published Aug. 28, 1934. Class 23.
Jaburg Brothers, Inc., New York, N. Y. Candles, oils, greases, and mineral waxes. 318,953; Nov. 6; Serial No. 349,978; published May 29, 1934. Class 15.
Jewel Tea Co., Inc., Barrington, Ill. Gloss starch, powdered ammonia, and laundry tablets. 318,770; Nov. 6; Serial No. 333,038; published Aug. 28, 1934. Class 6.
Kahn, E., & Co., Inc., Baltimore, Md. Whiskey. 318,940; Nov. 6; Serial No. 354,376; published Sept. 4, 1934. Class 49.
Katz Drug Company, Kansas City, Mo. Coffee, honey, mustard powder, etc. 318,981; Nov. 6. Class 46.
Kema Products Corporation, Chicago, Ill. Composition for welding cracks and leaks, and a solvent. 318,826; Nov. 6; Serial No. 351,815; published Aug. 28, 1934. Class 6.
Kema Products Corporation, Chicago, Ill. Solvent for removing rust, scale, and corrosion. 318,827; Nov. 6; Serial No. 351,814; published Aug. 21, 1934. Class 6.
Kienzler Company, Inc., New York, N. Y. Whiskey. 318,960; Nov. 6; Serial No. 354,298; published Sept. 4, 1934. Class 49.
King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 318,860; Nov. 6; Serial No. 352,908; published Sept. 4, 1934. Class 38.
King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 318,879; Nov. 6; Serial No. 352,907; published Sept. 4, 1934. Class 38.
Kirsch Manufacturing Company, assignor to Kirsch Company, Sturgis, Mich. Metal curtain-rods, portiere-rods, stair-rods, and fixtures therefor. 98,875; renewed Aug. 4, 1934.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 318,788; Nov. 6; Serial No. 353,071; published Aug. 28, 1934. Class 40.
Kohl, L., Pomeroy, Ohio. Salve. 318,775; Nov. 6; Serial No. 352,584; published Aug. 21, 1934. Class 6.
Kressmann, Ed., & Co., Bordeaux, France. Still and sparkling wines. 318,800; Nov. 6; Serial No. 352,382; published Aug. 28, 1934. Class 47.
Kressmann, Ed., & Co., Bordeaux, France. Still and sparkling wines. 318,804; Nov. 6; Serial No. 352,383; published Aug. 28, 1934. Class 47.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Corn flakes, bread, creamery butter, fruit preserves, etc. 318,795; Nov. 6; Serial No. 336,614; published Aug. 28, 1934. Class 46.
Kunin, Samuel, & Sons, Inc., Chicago, Ill. Whiskey. 318,925; Nov. 6; Serial No. 354,614; published Sept. 4, 1934. Class 49.
La Belle Products Co. (See Wasserstrom, N., & Sons, Inc.)
La Bour Company, Inc., The, Elkhart, Ind. Pumps and parts thereof. 318,891; Nov. 6; Serial No. 347,581; published Aug. 28, 1934. Class 23.
Lawford, John H. G., Hythe, England. Propelling pencils. 318,857; Nov. 6; Serial No. 351,338; published Sept. 4, 1934. Class 37.
Leonard Company, The. (See Shoreline Oil Corporation, assignor.)
Lindenhurst Manufacturing Company, Lindenhurst, Long Island, N. Y. Buttons. 318,790; Nov. 6; Serial No. 353,077; published Aug. 28, 1934. Class 40.
Loewenthal, Siegfried, Company, The, Cleveland, Ohio. Whisky. 318,962; Nov. 6; Serial No. 354,311; published Sept. 4, 1934. Class 49.
Lorber Mercantile Company, Kansas City, Mo. Gin. 318,928; Nov. 6; Serial No. 354,162; published Sept. 4, 1934. Class 49.
Los Angeles Brewing Co., Los Angeles, Calif. Malt beverages. 318,867; Nov. 6; Serial No. 341,432; published June 19, 1934. Class 48.
Lovell & Covel Company, Boston, to Lovell & Covel Company, Cambridge, Mass. Candles. 99,763; renewed Sept. 15, 1934.
Maher, Harry J., St. Louis, Mo. Crisp food product made from pure corn. 318,829; Nov. 6; Serial No. 354,047; published Aug. 28, 1934. Class 46.
Manatee Hammock Fruit Co. (See Ahrendt, Max H.)
Many Moons Co., Russellville, Ala. Medicinal preparation for asthma. 318,760; Nov. 6; Serial No. 353,220; published Aug. 28, 1934. Class 6.
Mar-Dis Wines & Spirits Corporation, Baltimore, Md. Whiskey, gin, rum, etc. 318,937; Nov. 6; Serial No. 354,446; published Sept. 4, 1934. Class 49.
Mavrakis, Nick, Baltimore, Md. Hair tonic. 318,824; Nov. 6; Serial No. 352,983; published Aug. 21, 1934. Class 6.
McKesson & Robbins, Incorporated, Fairfield and Bridgeport, Conn. Rum. 318,853; Nov. 6; Serial No. 351,472; published Sept. 4, 1934. Class 49.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Rubber gloves. 318,952; Nov. 6; Serial No. 349,583; published Aug. 28, 1934. Class 39.
Mellier Company, Perfumer, St. Louis, Mo. Perfume. 318,984; Nov. 6. Class 6.
Meneres, Antonio F. (See Sociedade dos Vinhos.)
Merck & Co., Inc., Rahway, N. J. Medicinal preparation. 318,783; Nov. 6; Serial No. 353,346; published Aug. 28, 1934. Class 6.
Micky Malto Products Co., San Francisco, Calif. Powdered composition, including milk, lime, etc. 318,883; Nov. 6; Serial No. 348,820; published Aug. 21, 1934. Class 6.
Millburn, Sumner G., doing business as The Voice Relay Company, Cedar Rapids, Iowa. Microphones and assembled electrical units for amplifying sound. 318,854; Nov. 6; Serial No. 351,022; published Aug. 28, 1934. Class 21.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber boots, overshoes, and arctics; rubber sandals, etc. 318,823; Nov. 6; Serial No. 352,986; published Aug. 28, 1934. Class 39.
Mississippi Valley Liquor Company, St. Louis, Mo. Gin. 318,918; Nov. 6; Serial No. 353,531; published Sept. 4, 1934. Class 49.
Mississippi Valley Liquor Company, St. Louis, Mo. Whiskey. 318,919; Nov. 6; Serial No. 353,532; published Sept. 4, 1934. Class 49.
Mississippi Valley Liquor Company, St. Louis, Mo. Whiskey. 318,923; Nov. 6; Serial So. 353,530; published Sept. 4, 1930. Class 49.
Moncrieff, John, Limited, Perth, Scotland. Glass tubing, glass plates, etc. 318,968; Nov. 6; Serial No. 354,232; published Aug. 28, 1934. Class 33.
Moon Glow Cosmetic Company, Ltd., Hollywood, Calif. Perfumes, toilet waters, rouge, etc. 318,793; Nov. 6; Serial No. 353,032; published Aug. 28, 1934. Class 6.
Moore Corporation, The, Joliet, Ill. Gas stoves and ranges. 318,833; Nov. 6; Serial No. 353,940; published Aug. 28, 1934. Class 34.
Müller, Clemens, Gesellschaft mit beschränkter Haftung, assignor to Clemens Müller Limited (Aktiengesellschaft), Dresden, Germany. Sewing-machines and parts thereof. 97,122; renewed May 19, 1934.
Müller, Clemens, Gesellschaft mit beschränkter Haftung, assignor to Clemens Müller Limited (Aktiengesellschaft), Dresden, Germany. Type-writing machines and parts thereof. 97,123–4; renewed May 19, 1934.
Nachf, Heinrich M., Ulm, Germany. Unguent. 318,889; Nov. 6; Serial No. 348,083; published Aug. 28, 1934. Class 6.
Nachman Spring-Filled Corporation, Chicago, Ill. Spring assemblies for upholstery, mattresses, etc. 318,817; Nov. 6; Serial No. 343,297; published Aug. 28, 1934. Class 32.
Nanex Products. (See Creiger, Mrs. Philip E.)
Narrow Fabric Co., The, West Reading, Pa. Ladies' coiffure caps. 318,815; Nov. 6; Serial No. 343,134; published Aug. 28, 1934. Class 39.
Nash, Frank E., doing business as Frank E. Nash Fence Company, Mount Vernon, N. Y. Iron and wire fences and fences composed of wood and wire. 318,764; Nov. 6; Serial No. 351,519; published Aug. 28, 1934. Class 13.
Nellson, Karl P., Long Beach, Calif. Oil well pumps, separators, pump valves, etc. 318,995; Nov. 6. Class 23.
Nell, Thomas H., doing business as The Combeasy Co., Long Beach, Calif. Vegetable oil preparation for dry scalp. 318,777; Nov. 6; Serial No. 353,403; published Aug. 28, 1934. Class 6.
Nichf, John. (See Hauschild, O. A. Johannes.)
NoDoz Laboratories. (See Davison, Warren W.)
North American Dye Corporation, Mount Vernon, N. Y. Preparation for removing colors from all fabrics and stains from white goods. 318,828; Nov. 6; Serial No. 353,942; published Aug. 28, 1934. Class 6.
Oakite Products, Inc., New York, N. Y. Cleansing compound. 318,802; Nov. 6; Serial No. 346,212; published Aug. 28, 1934. Class 4.
Old Abbey Distilling Co. (See Tonkin Distributing Co.)
Old Collins Company, Inc., Distillers, New York, N. Y. Gin, whiskey, brandy, etc. 318,976; Nov. 6; Serial No. 354,318; published Sept. 4, 1934. Class 49.
Oldmill Paper Products Corp., Long Island City, N. Y. Paper baking cups, baking dishes, candy cups, etc. 318,986; Nov. 6. Class 2.
Oldmill Paper Products Corp., Long Island City, N. Y. Paper cups. 318,987; Nov. 6. Class 2.
Paas Dye Company, Newark, N. J. Colored transfer papers for Easter eggs, etc. 318,757; Nov. 6; Serial No. 353,295; published Sept. 4, 1934. Class 38.
Paper Sales Company, to Paper Service Co., Chicago, Ill., successor. Toilet-paper. 100,222; renewed Oct. 18, 1934.
Parke, Davis & Company, Detroit, Mich. Purified protein derivative. 318,876; Nov. 6; Serial No. 352,834; published Aug. 28, 1934. Class 6.
Parker-Kalon Corporation, New York, N. Y. Screws, drive pins, nails, etc. 318,789; Nov. 6; Serial No. 353,076; published Aug. 28, 1934. Class 13.

Pennsylvania Oil Specialties Company, Petrolia, Pa. Paintlike coatings with and without pigments, etc. 318,822; Nov. 6; Serial No. 352,987; published Aug. 28, 1934. Class 16.
Penola Inc., Pittsburgh, Pa. Lubricating oils and greases. 318,951; Nov. 6; Serial No. 349,481; published Aug. 28, 1934. Class 15.
Perfect Circle Company, The, Hagerstown, Ind. Metallic expanding devices for keeping the split skirt portions of pistons expanded and tools for installing piston rings on pistons. 318,805; Nov. 6; Serial No. 346,012; published Aug. 28, 1934. Class 23.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. 318,806; Nov. 6; Serial No. 346,013; published Aug. 28, 1934. Class 35.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. 318,810; Nov. 6; Serial No. 346,011; published Aug. 28, 1934. Class 35.
Perfect Packers, Tampa, Fla. Fermented grapefruit juice (alcoholic). 318,786; Nov. 6; Serial No. 353,141; published Aug. 28, 1934. Class 47.
Perkins Soap Company, Springfield, Mass. Soap. 318,956–7; Nov. 6; Serial Nos. 353,724–5; published Aug. 28, 1934. Class 4.
Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires. 318,916; Nov. 6; Serial No. 353,578; published Aug. 28, 1934. Class 35.
Pharmacy Products Company, Milwaukee, Wis. Cold cream. 318,988; Nov. 6. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paints, paint primers, enamels, etc. 318,834; Nov. 6; Serial No. 353,788; published Aug. 28, 1934. Class 16.
Plee-Zing, Inc., Chicago, Ill. Lubricating oils and lubricating greases. 318,894; Nov. 6; Serial No. 346,281; published Aug. 28, 1934. Class 15.
Price Brothers, Boston, Mass. Gin, whiskey, and brandy. 318,768; Nov. 6; Serial No. 354,175; published Sept. 4, 1934. Class 49.
Price Brothers, Boston, Mass. Gin, whiskey, and brandy. 318,924; Nov. 6; Serial No. 354,174; published Sept. 4, 1934. Class 49.
Price Brothers, Boston, Mass. Gin, whiskey, and brandy. 318,929; Nov. 6; Serial No. 354,171; published Sept. 4, 1934. Class 49.
Princess Pat Hats, Inc., New York, N. Y. Women's hats. 318,903; Nov. 6; Serial No. 351,870; published Aug. 28, 1934. Class 39.
Puritan Laboratories, Inc., Des Moines, Iowa. Mineral feed. 318,950; Nov. 6; Serial No. 350,537; published Aug. 21, 1934. Class 6.
Raiche, Emma E., doing business as Vigum Laboratories Co., Milwaukee, Wis. Tooth powder. 318,835; Nov. 6; Serial No. 353,820; published Aug. 28, 1934. Class 6.
Rawlings & Sons (London) Limited, London, England. Wines. 318,858; Nov. 6; Serial No. 352,102; published Aug. 28, 1934. Class 47.
Rawlings & Sons (London) Limited, London, England. Wines. 318,865; Nov. 6; Serial No. 352,105; published Aug. 28, 1934. Class 47.
Resen, Oswald M., New York, N. Y. Wedding rings. 318,921; Nov. 6; Serial No. 353,480; published Aug. 28, 1934. Class 28.
Robb, John W., Philadelphia, Pa. Tooth-powder, paste, and wash, and face-cream. 99,788; renewed Sept. 15, 1934.
Roma Wine Company. (See Cella, Battista.)
Sattler-Addison Co., Inc., Baltimore, Md. Whiskey. 318,941; Nov. 6; Serial No. 354,414; published Sept. 4, 1934. Class 49.
Scandinavia Belting Company, Newark, N. J. Asbestos brake lining. 318,934; Nov. 6; Serial No. 349,034; published Aug. 28, 1934. Class 35.
Schnefel Brothers Inc., Newark, N. J. Liquid nail polish remover. 318,886; Nov. 6; Serial No. 348,525; published Aug. 21, 1934. Class 6.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey, gin, rum, etc. 318,932–3; Nov. 6; Serial Nos. 354,476–7; published Sept. 4, 1934. Class 49.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey, gin, rum, etc. 318,938; Nov. 6; Serial No. 354,475; published Sept. 4, 1934. Class 49.
Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 318,990; Nov. 6. Class 6.
Shoreline Oil Corporation, Shreveport, La., assignor to The Leonard Company, Chicago, Ill. Gasoline, motor fuel oils, lubricating oils, and greases. 318,758; Nov. 6; Serial No. 353,301; published Aug. 28, 1934. Class 15.
Sichel, H., & Sons Ltd., London, England. German wines. 318,848; Nov. 6; Serial No. 352,452; published Aug. 28, 1934. Class 47.
Simpson, William, Sons & Company, Philadelphia, Pa. Cotton piece goods. 318,753; Nov. 6; Serial No. 353,356; published Aug. 28, 1934. Class 42.
Smith & Clark Company, Scranton, Pa. Ice cream. 318,773; Nov. 6; Serial No. 353,185; published Sept. 4, 1934. Class 46.
Smith, Joseph, New York, N. Y. Razor blades. 318,873; Nov. 6; Serial No. 352,801; published Aug. 28, 1934. Class 23.
Snow Flake Canning Co., Brunswick, Maine. Canned corn. 99,911; renewed Sept. 22, 1934.
Sociedade dos Vinhos, Antonio Ferreira Meneres, successor, Vila Nova de Gaia, Oporto, Portugal. Still wines. 318,892; Nov. 6; Serial No. 347,701; published Aug. 28, 1934. Class 47.
Società Anonima Martini & Rossi, Torino, Italy. Wines. 318,954; Nov. 6; Serial No. 349,038; published June 12, 1934. Class 47.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation for intra-muscular injection of auro-thiomalate de sodium in solution or in suspension. 318,890; Nov. 6; Serial No. 348,145; published Aug. 21, 1934. Class 6.
Southard & Co. Limited, London, England. Wines. 318,898; Nov. 6; Serial No. 352,017; published Aug. 28, 1934. Class 47.
Speed Chemical Company, Milledgeville, Ga. Dentifrice, mouth wash and gargle. 318,843; Nov. 6; Serial No. 352,453; published Aug. 28, 1934. Class 6.
Standard Brands Incorporated, New York, N. Y. Malt syrup. 318,961; Nov. 6; Serial No. 353,305; published Sept. 11, 1934. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Hydrocarbon solvents. 318,870; Nov. 6; Serial No. 352,682; published Aug. 28, 1934. Class 6.
Standard Oil Company of New Jersey, Wilmington, Del. Hydrocarbon solvents. 318,875; Nov. 6; Serial No. 352,683; published Aug. 21, 1934. Class 16.
Stickney & Poor Spice Co., Boston, Mass. Prepared mustard. 318,855; Nov. 6; Serial No. 354,098; published Aug. 28, 1934. Class 46.
Stinson Drugs, Philadelphia, Pa. Medicines, drugs, and pharmaceutical preparations. 318,980; Nov. 6. Class 6.
Sunshine State Cereal Co. (See Hogland, George L.)
Superflex Welt Corporation, New York, N. Y. Shoes. 318,880; Nov. 6; Serial No. 352,870; published Aug. 28, 1934. Class 39.
Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 318,943; Nov. 6; Serial No. 354,336; published Sept. 4, 1934. Class 49.
Texas Mining & Smelting Company, Laredo, Tex. Oxide of antimony and pigments made therefrom. 318,885; Nov. 6; Serial No. 348,256; published Aug. 21, 1934. Class 6.
Thrifty Drug Co. Ltd., doing business as Thrifty Drug Stores, Los Angeles, Calif. Wines. 318,797; Nov. 6; Serial No. 353,160; published Aug. 28, 1934. Class 47.
Tonkin Distributing Co., San Francisco, Calif. Whiskey. 318,942; Nov. 6; Serial No. 354,329; published Sept. 4, 1934. Class 49.
Tonkin Distributing Co., doing business as Old Abbey Distilling Co., San Francisco, Calif. Gin. 318,977; Nov. 6; Serial No. 354,325; published Sept. 4, 1934. Class 49.
Tonkin Distributing Co., San Francisco, Calif. Whiskey. 318,978; Nov. 6; Serial No. 354,326; published Sept. 4, 1934. Class 49.
Tonkin Distributing Co., San Francisco, Calif. Whiskey. 318,979; Nov. 6; Serial No. 354,328; published Sept. 4, 1934. Class 49.
Ufuta Laboratories, Incorporated, New York, N. Y. Preparation for diseases of the skin and scalp. 318,754; Nov. 6; Serial No. 353,362; published Aug. 28, 1934. Class 6.
Van Camp Hardware & Iron Company, Indianapolis, Ind. Plumbs, levels, squares, etc. 318,839; Nov. 6; Serial No. 353,781; published Aug. 28, 1934. Class 26.
Vienna Laboratory. (See von Lange, Adolf W.)
Vigum Laboratories Co. (See Raiche, Emma E.)
Virga, George, Detroit, Mich. Gin, whiskey, alcoholic cordials, etc. 318,849; Nov. 6; Serial No. 351,042; published Sept. 4, 1934. Class 49.
Virginia Lotion Company, Norton, Va. Liniment. 318,801; Nov. 6; Serial No. 352,273; published Aug. 28, 1934. Class 6.
Voice Relay Company, The. (See Millburn, Sumner G.)
Von Lange, Adolf W., doing business as Vienna Laboratory, Los Angeles, Calif. Laxatives. 318,982; Nov. 6. Class 6.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 318,769; Nov. 6; Serial No. 354,220; published Sept. 4, 1934. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 318,967; Nov. 6; Serial No. 354,228; published Sept. 4, 1934. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 318,970–5; Nov. 6; Serial Nos. 354,222–7; published Sept. 4, 1934. Class 49.
Wasserstrom, N., & Sons, Inc., doing business as La Belle Products Co., Columbus, Ohio. Wines. 318,784; Nov. 6; Serial No. 353,102; published Aug. 28, 1934. Class 47.
Wasserstrom, N., & Sons, Inc., also doing business as El-Rico Products Company, Columbus, Ohio. Wines. 318,798; Nov. 6; Serial No. 353,163; published Aug. 28, 1934. Class 47.
Weston Electrical Instrument Corporation, Newark, N. J. Relays and electrical switch equipment. 318,914; Nov. 6; Serial No. 353,690; published Aug. 28, 1934. Class 21.
Whiteley, William, & Co., Inc., Dover, Del. Whisky. 318,813; Nov. 6; Serial No. 344,305; published Jan. 9, 1934. Class 49.
Williams, R. C., & Company, Inc. (See Finch, Joseph S., & Company.)

Williams, R. C., & Company, Inc., New York, N. Y. Vegetable juices. 318,856; Nov. 6; Serial No. 354,104; published Aug. 28, 1934. Class 46.
Williams, R. C., & Co., Inc., New York, N. Y. Gin and whiskey. 318,868; Nov. 6; Serial No. 353,311; published Aug. 7, 1934. Class 49.
Winford Publications, Inc., New York, N. Y. Publication. 318,799; Nov. 6; Serial No. 353,190; published Sept. 4, 1934. Class 38.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Laxative buffer salts (effervescent). 318,766; Nov. 6; Serial No. 353,191; published Aug. 28, 1934. Class 6.

LIST OF REGISTRANTS OF LABELS

Bacteriolethium Laboratory, New Rochelle, N. Y. Boleum. For Germicidal Ointment for the Treatment of Chronic and Acute Skin and Tissue Disorders, Particularly of a Fungoid of Bacterial Origin. 44,602; Nov. 6.
Bond Stores, Incorporated, doing business as Bond Clothes, New York, N. Y. 2 Trousers with Every Suit. For Men's Clothes. 44,603; Nov. 6.
Continental Distilling Corporation, Philadelphia, Pa. Planters' Club. For Straight Whisky. 44,604; Nov. 6.
Delco-Remy Corporation, Anderson, Ind. Delco for Fords. For Accelerator Starter Controls. 44,605; Nov. 6.
Dornbeggen, John H., Cincinnati, Ohio. Peerless Rheumatism Remedy. For Medicine for Treating Chronic and Muscular Rheumatism, Arthritis, Neuritis, Sciatica, Lumbago, and Neuralgic Rheumatic Pains of the Kidneys. 44,606; Nov. 6.
Drucker, August E., Co., San Francisco, Calif. Drucker's Revelation for the Teeth and Gums. For Tooth Powder. 44,607; Nov. 6.
Equitable Paper Bag Co. Inc., Brooklyn, N. Y. The Devils Own Brand. For Hardwood Charcoal. 44,608; Nov. 6.
Handler, Harry, Chicago, Ill. Apple Dips. For Cigars. 44,609; Nov. 6.
House & Kunz Cigar Company, Milwaukee, Wis. Par Buster. For Cigars. 44,610; Nov. 6.
Huggins-Young Company, Inc., Los Angeles, Calif. Huggins-Young. For Coffee. 44,611; Nov. 6.
Menasha Products Company, The, Menasha, Wis. Cracked Wheat Bread. For Bread. 44,612; Nov. 6.
Moore, Ralph V., Haverford, Pa. Bet Vel Cough Syrup. For Cough Syrup. 44,613; Nov. 6.
Olivieri, Natale, doing business as Specialty Soda Water Bottling Co., Garfield, N. J. French Dry Pale Ginger Ale. For Ginger Ale. 44,614; Nov. 6.
Paul, Peter, Inc., Naugatuck, Conn. Mounds. For Chocolate and Coconut Confection. 44,615; Nov. 6.
Paul, Peter, Inc., Naugatuck, Conn. Main Show. For Chocolate and Nut Confection. 44,616; Nov. 6.
Schottler, Karl, St. Louis, Mo. Old Oak. For Bourbon Whiskey. 44,617; Nov. 6.
Specialty Soda Water Bottling Co. (See Olivieri, Natale.)
Standard Brands Incorporated, New York, N. Y. Royal. For Gelatin Aspic. 44,618; Nov. 6.
Standard Brands Incorporated, New York, N. Y. Tender Leaf. For Tea Balls. 44,619; Nov. 6.
Universal Distillers Inc., Los Angeles, Calif. Old Tavern. For Gin. 44,620; Nov. 6.
Wilkinson, J. W., Company, Indianapolis, Ind. Milk Made Vitamin D 100% Whole Milk Bread. For Bread. 44,621; Nov. 6.

LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Whatever's in Your Notes. For Rugs. 14,901; Nov. 6.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. 9 by 12 by What? For Rugs. 14,902; Nov. 6.
Carson Pirie Scott & Company, Chicago, Ill. Annual Sale of Furs. Ladies' Ready-to-Wear Fur Garments. 14,903; Nov. 6.
General Mills, Inc., Minneapolis, Minn. Schoolboys! Schoolgirls! Mothers! $12,000.00 in Cash Prizes. For Bread. 14,904; Nov. 6.
Goodrich, B. F., Company, The, Akron, Ohio. What Would Happen If You Had a Blow-Out? (Ad No. GBC–34). For Rubber Tires. 14,905; Nov. 6.
Hancock Oil Company of California, The, Long Beach, Calif. Cock o' the Walk. For Gasoline. 14,906; Nov. 6.
Ralston Purina Company, St. Louis, Mo. This Poor Gal Has a Bad Case of Dry Pasturitis! (Poster). For Dairy Feed. 14,907; Nov. 6.
Ralston Purina Company, St. Louis, Mo. If Lay Chow Don't Make Your Hens Lay They Must Be Roosters! Col. Purina (Poster). For Chicken Feed. 14,908; Nov. 6.
Ralston Purina Company, St. Louis, Mo. Control Egg Quality! Feed Purina Layena—The Complete Feed—(Poster). For Chicken Feed. 14,909; Nov. 6.
Ralston Purina Company, St. Louis, Mo. Purina Dog Chow the Most Popular Food for Hunting Dogs—(Poster). For Dog Food. 14,910; Nov. 6.
Ralston Purina Company, St. Louis, Mo. Get Eggs Like These . . with Layena! (Bag Sign). For Chicken Feed. 14,911; Nov. 6.
Ralston Purina Company, St. Louis, Mo. Profitable Cows! Change to Cow Chow and Bulky-Lac the Country's Best Sellers and Your Best Buy Follow the Proven Purina Cow Plan! (Poster). For Dairy Feed. 14,912; Nov. 6.
Ralston Purina Company, St. Louis, Mo. No Flies on Me! (Poster). For Dairy Feed. 14,913; Nov. 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Cups, baking dishes, candy cups, etc., Paper baking. Oldmill Paper Products Corp. 318,986; Nov. 6.
Cups, Paper. Oldmill Paper Products Corp. 318,987; Nov. 6.
Pails and cartons, Paper. Container Corporation of America. 318,991; Nov. 6.

CLASS 4

Cleansing compound. Oakite Products, Inc. 318,802; Nov. 6; Serial No. 346,212; published Aug. 28, 1934.
Polish, cleaning compounds, Silverware. Cochran Company. 318,759; Nov. 6; Serial No. 353,321; published Aug. 28, 1934.
Preparation for cleaning windows, mirrors, etc. E. W. Hagadorn. 318,915; Nov. 6; Serial No. 353,569; published Aug. 28, 1934.
Sandpaper and abrasive paper and cloth. American Floor Surfacing Machine Company. 318,832; Nov. 6; Serial No. 353,909; published Aug. 28, 1934.
Soap. Perkins Soap Company. 318,956–7; Nov. 6; Serial Nos. 353,724–5; published Aug. 28, 1934.
Soap, Toilet. Colgate-Palmolive-Peet Company. 318,955; Nov. 6; Serial No. 353,708; published Aug. 28, 1934.

CLASS 5

Glue. O. A. J. Hauschild. 318,811; Nov. 6; Serial No. 343,471; published June 19, 1934.

CLASS 6

Acetate of lime, acetic acid, acetone, etc. Cleveland-Cliffs Iron Co. 318,949; Nov. 6; Serial No. 350,510; published Aug. 21, 1934.
Beauty and facial preparations. House of Tre-Jur, Inc. 318,821; Nov. 6; Serial No. 343,057; published Aug. 28, 1934.
Capsules for colds. C. E. Hall. 318,852; Nov. 6; Serial No. 351,408; published Aug. 21, 1934.
Carburizing compounds, disinfectants, etc. E. F. Houghton & Co. 318,762; Nov. 6; Serial No. 353,273; published Aug. 28, 1934.
Composition for welding cracks and leaks, and a solvent, Kema Products Corporation. 318,826; Nov. 6; Serial No. 351,815; published Aug. 28, 1934.
Cough syrup. J. Carbonaro. 318,896; Nov. 6; Serial No. 346,949; published Aug. 21, 1934.
Cream, Cold. Pharmacy Products Company. 318,988; Nov. 6.
Cream, powder, masks, etc., Face. House of Castleberry, Inc. 318,871; Nov. 6; Serial No. 352,609; published Aug. 21, 1934.
Creams, eye and skin tonic, etc. Jane Cloud Inc. 318,989; Nov. 6.
Denatured alcohol. William S. Gray & Co. 318,785; Nov. 6; Serial No. 353,129; published Aug. 28, 1934.
Dentifrice, mouth wash and gargle. Speed Chemical Company. 318,843; Nov. 6; Serial No. 352,453; published Aug. 28, 1934.
Depilatories. Mrs. P. E. Cregier. 318,877; Nov. 6; Serial No. 352,818; published Aug. 28, 1934.
Dyewood extract. American Dyewood Company. 318,761; Nov. 6; Serial No. 353,254; published Aug. 28, 1934.
Effervescent granular salt. Drexel Company of Elgin. 318,993; Nov. 6.
Hair rinse tablet. Aladdin Laboratories, Inc. 318,794; Nov. 6; Serial No. 353,050; published Aug. 21, 1934.

Hair tonic. N. Mavrakis. 318,824; Nov. 6; Serial No. 352,983; published Aug. 21, 1934.
Insecticides. William Cooper & Nephews, Incorporated. 318,825; Nov. 6; Serial No. 351,852; published Aug. 21, 1934.
Insecticides and dressing. William Cooper & Nephews, Incorporated. 318,904; Nov. 6; Serial No. 351,853; published Aug. 21, 1934.
Insecticides and fungicides. Sherwin-Williams Company. 318,990; Nov. 6.
Laxatives. A. W. von Lange. 318,982; Nov. 6.
Liniment. Virginia Lotion Company. 318,801; Nov. 6; Serial No. 352,273; published Aug. 28, 1934.
Medical preparation to minimize autointoxication. W. W. Davison. 318,985; Nov. 6.
Medicinal preparation. G. Civello. 318,884; Nov. 6; Serial No. 352,030; published Aug. 21, 1934.
Medicinal preparation. Haas Pharmacy. 318,778; Nov. 6; Serial No. 353,462; published Aug. 28, 1934.
Medicinal preparation. Merck & Co. 318,783; Nov. 6; Serial No. 353,346; published Aug. 28, 1934.
Medicinal preparation for asthma. Many Moons Co. 318,760; Nov. 6; Serial No. 353,220; published Aug. 28, 1934.
Medicine and pharmaceutical preparation. A. W. Duer. 318,901; Nov. 6; Serial No. 351,909; published Aug. 21, 1934.
Medicines, drugs, and pharmaceutical preparations. Stinson Drugs. 318,980; Nov. 6.
Mineral feed. Puritan Laboratories, Inc. 318,950; Nov. 6; Serial No. 350,537; published Aug. 21, 1934.
Mineral water crystals. Diamond Mineral Water Corporation. 318,874; Nov. 6; Serial No. 352,782; published Aug. 21, 1934.
Nail polish remover. Schnefel Brothers Inc. 318,886; Nov. 6; Serial No. 348,525; published Aug. 21, 1934.
Oxide and flux, Green nickel and black. International Nickel Company. 318,767; Nov. 6; Serial No. 353,216; published Aug. 28, 1934.
Oxide of antimony and pigments made therefrom. Texas Mining & Smelting Company. 318,885; Nov. 6; Serial No. 348,256; published Aug. 21, 1934.
Perfume. Mellier Company, Perfumer. 318,984; Nov. 6.
Perfumes, toilet waters, rouge, etc. Moon Glow Cosmetic Company. 318,793; Nov. 6; Serial No. 353,032; published Aug. 28, 1934.
Pharmaceutical preparation. M. B. Friedman. 318,872; Nov. 6; Serial No. 352,612; published Aug. 28, 1934.
Powdered composition, including milk, lime, etc. Micky Maito Products Co. 318,883; Nov. 6; Serial No. 348,820; published Aug. 21, 1934.
Preparation for diseases of the skin and scalp. Ufuta Laboratories, Incorporated. 318,754; Nov. 6; Serial No. 353,362; published Aug. 28, 1934.
Preparation for intra-muscular injection of auro-thiomalate de sodium in solution or in suspension. Societe des Usines Chimiques Rhone-Poulenc. 318,890; Nov. 6; Serial No. 348,145; published Aug. 21, 1934.
Preparation for manicuring and caring for the hands. Allcock Manufacturing Company. 318,837; Nov. 6; Serial No. 353,743; published Aug. 28, 1934.
Preparation for removing colors from all fabrics and stains from white goods. North American Dye Corporation. 318,828; Nov. 6; Serial No. 353,942; published Aug. 28, 1934.
Protein derivative. Purified. Parke, Davis & Company. 318,876; Nov. 6; Serial No. 352,834; published Aug. 28, 1934.
Salts, Laxative buffer. John Wyeth & Brother, Incorporated. 318,766; Nov. 6; Serial No. 353,191; published Aug. 28, 1934.
Salve. L. Kohl. 318,775; Nov. 6; Serial No. 352,584; published Aug. 21, 1934.
Skin cream, Medicated vanishing. Dandro-Sol Laboratories, Inc. 318,888; Nov. 6; Serial No. 348,062; published Aug. 28, 1934.
Solvent for removing rust, scale, and corrosion. Kema Products Corporation. 318,827; Nov. 6; Serial No. 351,814; published Aug. 21, 1934.
Solvents, Hydrocarbon. Standard Oil Company of New Jersey. 318,870; Nov. 6; Serial No. 352,682. published Aug. 28, 1934.
Starch, powdered ammonia, and laundry tablets. Jewel Tea Co. 318,770; Nov. 6; Serial No. 333,038; published Aug. 28, 1934.
Suppositories and ointments, Pile. Certane Co. 318,765; Nov. 6; Serial No. 351,731; published Aug. 28, 1934.
Tar remover preparation, carbon remover preparation, shock absorber fluid, etc. All-Star Products Company. 318,866; Nov. 6; Serial No. 352,601; published Aug. 21, 1934.
Tooth powder. E. E. Ratche. 318,835; Nov. 6; Serial No. 353,820; published Aug. 28, 1934.
Tooth powder, tooth paste, tooth wash, and face cream. J. W. Robb. 99,788; renewed Sept. 15, 1934.
Unguent, H. M. Nacht. 318,889; Nov. 6; Serial No. 348,083; published Aug. 28, 1934.
Vegetable oil preparation for dry scalp. T. H. Nell. 318,777; Nov. 6; Serial No. 353,403; published Aug. 28, 1934.
Wave set and body deodorant. Clark-Hoover, Inc. 318,878; Nov. 6; Serial No. 352,816; published Aug. 28, 1934.

CLASS 12

Brick. E. L. Cook. 99,433; renewed Sept. 1, 1934.

CLASS 13

Couplings, Hose. Flex-O-Tube Company. 318,869; Nov. 6; Serial No. 352,996; published Aug. 28, 1934.
Curtain rods, portière rods, stair rods, and fixtures therefor, Metal. Kirsch Manufacturing Company. 98,875; renewed Aug. 4, 1934.
Fences, Iron, wire, wood, etc. F. E. Nash. 318,764; Nov. 6; Serial No. 351,519; published Aug. 28, 1934.
Screws, drive screws, drive pins, nails, etc. Parker-Kalon Corporation. 318,789; Nov. 6; Serial No. 353,076; published Aug. 28, 1934.

CLASS 15

Candles, night lights, and mineral wax. Asiatic Petroleum Company. 98,236; renewed July 7, 1934.
Candles, oils, greases, and mineral waxes. Jaburg Brothers, Inc. 318,953; Nov. 6; Serial No. 349,978; published May 29, 1934.
Gasoline and lubricating oils and greases. Shoreline Oil Corporation. 318,758; Nov. 6; Serial No. 353,301; published Aug. 28, 1934.
Oils and greases, Lubricating. Penola Inc. 318,951; Nov. 6; Serial No. 349,481; published Aug. 28, 1934.
Oils and greases, Lubricating. Plee-zing, Inc. 318,894; Nov. 6; Serial No. 346,281; published Aug. 28, 1934.
Oils, Lubricating. E. F. Houghton & Co. 318,756; Nov. 6; Serial No. 353,274; published Aug. 28, 1934.

CLASS 16

Coatings which form protective films. Pennsylvania Oil Specialties Company. 318,822; Nov. 6; Serial No. 352,987; published Aug. 28, 1934.
Paint, varnishes, etc. General Paint & Varnish Co. 318,931; Nov. 6; Serial No. 349,234; published Aug. 21, 1934.
Paints, paint primers, enamels, etc. Pittsburgh Plate Glass Company. 318,834; Nov. 6; Serial No. 353,788; published Aug. 28, 1934.
Polish. H. H. Brown. 318,803; Nov. 6; Serial No. 346,230; published Mar. 13, 1934.
Solvents, Hydrocarbon. Standard Oil Company of New Jersey. 318,875; Nov. 6; Serial No. 352,683; published Aug. 21, 1934.

CLASS 21

Lamps, Combination bridge and table and ash tray. F. W. Ailing. 318,809; Nov. 6; Serial No. 345,091; published Aug. 28, 1934.
Lighter, Electric cigarette. Clean Home Products, Inc. 318,994; Nov. 6.
Microphones and assembled electrical units for amplifying sound. S. G. Millburn. 318,854; Nov. 6; Serial No. 351,022; published Aug. 28, 1934.
Relays and electrical switch equipment, etc. Weston Electrical Instrument Corporation. 318,914; Nov. 6; Serial No. 353,690; published Aug. 28, 1934.

CLASS 23

Carburetors. J. & S. Carburetor Co. 318,959; Nov. 6; Serial No. 353,700; published Aug. 28, 1934.
Devices for keeping the split skirt portions of pistons expanded, and tools for installing piston rings on pistons. Perfect Circle Company. 318,805; Nov. 6; Serial No. 346,012; published Aug. 28, 1934.
Engines, power units and accessories, Internal combustion. Hercules Motors Corporation. 318,776; Nov. 6; Serial No. 315,687; published Aug. 15, 1933.
Pavers. Adnun Engineering & Manufacturing Company. 318,906; Nov. 6; Serial No. 354,065; published Aug. 28, 1934.
Pumps and parts thereof. La Bour Company, Inc. 318,891; Nov. 6; Serial No. 347,581; published Aug. 28, 1934.
Pumps, Beer and air. Bishon & Babcock Manufacturing Company. 318,771; Nov. 6; Serial No. 338,721; published Aug. 28, 1934.
Pumps, Beer and air. Bishop & Babcock Manufacturing Company. 318,772; Nov. 6; Serial No. 338,718; published Aug. 28, 1934.
Pumps, separators, pump valves, etc., Oil well. K. P. Neilson. 318,995; Nov. 6.
Razor blades. H. Berse. 318,846; Nov. 6; Serial No. 352,421; published Aug. 28, 1934.
Razor blades. J. Smith. 318,873; Nov. 6; Serial No. 352,801; published Aug. 28, 1934.
Sewing-machines and parts thereof. Clemens Müller Gesellschaft mit beschränkter Haftung. 97,122; renewed May 19, 1934.
Tools, Garden and agricultural. Gardex, Inc. 318,927; Nov. 6; Serial No. 354,076; published Aug. 28, 1934.
Type-writing machines and parts thereof. Clemens Müller Gesellschaft mit beschränkter Haftung. 97,123–4; renewed May 19, 1934.

CLASS 26

Plumbs, levels, squares, etc. Van Camp Hardware & Iron Company. 318,839; Nov. 6; Serial No. 353,781; published Aug. 28, 1934.

CLASS 28

Jewelry. Gutenstein Brothers. 318,926; Nov. 6; Serial No. 353,475; published Aug. 28, 1934.
Rings, Wedding. O. M. Rosen. 318,921; Nov. 6; Serial No. 353,486; published Aug. 28, 1934.
Silverware. General Mills, Inc. 318,830; Nov. 6; Serial No. 354,084; published Aug. 28, 1934.

CLASS 32

Mirrors. Centa Trading Corporation. 318,808; Nov. 6; Serial No. 345,007; published Feb. 6, 1934.
Mirrors, Vanity or makeup. Anzell Specialty Mfg. Co. 318,763; Nov. 6; Serial No. 351,489; published Aug. 28, 1934.
Spring assemblies for upholstery, mattresses, etc. Nachman Spring-Filled Corporation. 318,817; Nov. 6; Serial No. 343,297; published Aug. 28, 1934.

CLASS 33

Glass tubing, glass plates, etc. John Moncrieff, Limited. 318,968; Nov. 6; Serial No. 354,232; published Aug. 28, 1934.

CLASS 34

Stoves and ranges, Gas. Moore Corporation. 318,833; Nov. 6; Serial No. 353,940; published Aug. 28, 1934.

CLASS 35

Brake lining, Asbestos. Scandanavia Belting Company. 318,934; Nov. 6; Serial No. 349,034; published Aug. 28, 1934.
Piston rings. Perfect Circle Company. 318,806; Nov. 6; Serial No. 346,013; published Aug. 28, 1934.
Piston rings. Perfect Circle Company. 318,810; Nov. 6; Serial No. 346,011; published Aug. 28, 1934.
Tires for vehicles, Pneumatic rubber. Pharis Tire and Rubber Company. 318,916; Nov. 6; Serial No. 353,578; published Aug. 28, 1934.

CLASS 37

Paper, Book. International Paper Company. 318,882; Nov. 6; Serial No. 348,648; published Sept. 4, 1934.
Paper, Printing. Louis Dejonge & Co. 318,988; Nov. 6.
Paper, Toilet. Paper Sales Company. 100,222; renewed Oct. 13, 1934.
Pencils, Lead. American Lead Pencil Company. 318,807; Nov. 6; Serial No. 346,100; published Sept. 4, 1934.
Pencils, Propelling. J. H. G. Lawford. 318,857; Nov. 6; Serial No. 351,338; published Sept. 4, 1934.

CLASS 38

Cartoons, Newspaper. King Features Syndicate, Inc. 318,860; Nov. 6; Serial No. 352,908; published Sept. 4, 1934.
Cartoons, Newspaper. King Features Syndicate, Inc. 318,879; Nov. 6; Serial No. 352,907; published Sept. 4, 1934.
Papers for Easter eggs, Colored transfer. Paas Dye Company. 318,757; Nov. 6; Serial No. 353,295; published Sept. 4, 1934.
Publication. Gernsback Publications. 318,840–1; Nov. 6; Serial Nos. 352,483–4; published Sept. 4, 1934.
Publication. Gernsback Publications. 318,844–5; Nov. 6; Serial Nos. 352,481–2; published Sept. 4, 1934.
Publication. Winford Publications, Inc. 318,799; Nov. 6; Serial No. 353,190; published Sept. 4, 1934.

CLASS 39

Apparel, Women's wearing. Fred Butterfield & Co. 318,902; Nov. 6; Serial No. 351,904; published Aug. 28, 1934.
Boots, overshoes, and arctics; rubber sandals, etc., Rubber. Mishawaka Rubber and Woolen Manufacturing Company. 318,823; Nov. 6; Serial No. 352,986; published Aug. 28, 1934.
Caps, Ladies' coiffure. Narrow Fabric Co. 318,815; Nov. 6; Serial No. 343,134; published Aug. 28, 1934.
Garters, garter belts, and hose supporters. Gem-Dandy Garter Co. 318,796; Nov. 6; Serial No. 336,041; published Aug. 28, 1934.
Garters, suspenders, etc. American Suspender Company. 318,930; Nov. 6; Serial No. 349,215; published Aug. 28, 1934.
Gloves, Rubber. McKesson & Robbins, Incorporated. 318,952; Nov. 6; Serial No. 349,583; published Aug. 28, 1934.
Hats, Women's. Princess Pat Hats, Inc. 318,903; Nov. 6; Serial No. 351,870; published Aug. 28, 1934.
Shoes. Superflex Welt Corporation. 318,880; Nov. 6; Serial No. 352,879; published Aug. 28, 1934.
Shoes, hats, coats, etc. Bullock's, Inc. 318,946; Nov. 6; Serial No. 350,677; published Aug. 28, 1934.

CLASS 40

Buttons. Lindenhurst Manufacturing Company. 318,790; Nov. 6; Serial No. 353,077; published Aug. 28, 1934.
Combs, pin cushions, shoe laces, etc. Louis Greenberg & Son, Inc. 318,774; Nov. 6; Serial No. 352,576; published Aug. 28, 1934.
Shields, Dress. I. B. Kleinert Rubber Company. 318,788; Nov. 6; Serial No. 353,071; published Aug. 28, 1934.

CLASS 42

Blankets. Esmond Mills. 318,779; Nov. 6; Serial No. 353,471; published Aug. 28, 1934.
Cotton goods. Cone Export and Commission Company. 318,847; Nov. 6; Serial No. 352,429; published Aug. 28, 1934.
Cotton piece goods. William Simpson, Sons & Company. 318,753; Nov. 6; Serial No. 353,356; published Aug. 28, 1934.

CLASS 46

Candies. J. G. Dieter & Sons, Inc. 318,907; Nov. 6; Serial No. 354,072; published Aug. 28, 1934.
Candies. Lovell & Covel Company. 99,763; renewed Sept. 15, 1934.
Canned and bottled fruits and vegetables, tomato juice, etc. Good Humor Corporation of America, Inc. 318,780; Nov. 6; Serial No. 353,385; published Aug. 28, 1934.
Canned cheese. Great Atlantic & Pacific Tea Company. 318,958; Nov. 6; Serial No. 353,694; published Aug. 28, 1934.
Canned corn. Snow Flake Canning Co. 99,911; renewed Sept. 22, 1934.
Cereal breakfast food. G. L. Hogland. 318,792; Nov. 6; Serial No. 353,018; published Aug. 28, 1934.
Coffee beans and ground coffee. Good Humor Corporation of America, Inc. 318,782; Nov. 6; Serial No. 353,387; published Aug. 28, 1934.
Coffee, honey, mustard powder, etc. Katz Drug Company. 318,981; Nov. 6.
Confectionery. Hershey Chocolate Corporation. 318,812; Nov. 6; Serial No. 343,922; published Aug. 28, 1934.
Cornflakes, bread, creamery butter, fruit preserves, etc. Kroger Grocery & Baking Company. 318,795; Nov. 6; Serial No. 336,614; published Aug. 28, 1934.
Food product made from pure corn, Crisp. H. J. Maher. 318,829; Nov. 6; Serial No. 354,047; published Aug. 28, 1934.
Fruits, Citrus. M. H. Ahrendt. 318,836; Nov. 6; Serial No. 353,836; published Aug. 28, 1934.
Ice cream. Smith & Clark Company. 318,773; Nov. 6; Serial No. 353,185; published Sept. 4, 1934.
Juices, Vegetable. R. C. Williams & Company, Inc. 318,856; Nov. 6; Serial No. 354,104; published Aug. 28, 1934.
Malt syrup. Standard Brands Incorporated. 318,961; Nov. 6; Serial No. 353,305; published Sept. 11, 1934.
Mustard, Prepared. Stickney & Poor Spice Co. 318,855; Nov. 6; Serial No. 354,098; published Aug. 28, 1934.
Potato chips. Good Humor Corporation of America, Inc. 318,781; Nov. 6; Serial No. 353,386; published Aug. 28, 1934.
Preparation for making homemade ice cream. Cromwell and Hart. 318,992; Nov. 6.

CLASS 47

Fermented grapefruit juice (alcoholic). Perfect Packers. 318,786; Nov. 6; Serial No. 353,141; published Aug. 28, 1934.
Vermouth. Etablissements Abel Bresson, Societe Anonyme. 318,881; Nov. 6; Serial No. 352,854; published Aug. 28, 1934.
Wine. Aztec Buying Corp. 318,787; Nov. 6; Serial No. 353,054; published Aug. 28, 1934.
Wine. Clover Leaf Products Company. 318,755; Nov. 6; Serial No. 353,379; published Aug. 28, 1934.
Wine. Griffier Wine Company, Inc. 318,897; Nov. 6; Serial No. 347,279; published Aug. 28, 1934.
Wine, Port. Delaforce Sons & Co. 318,850; Nov. 6; Serial No. 351,108; published Aug. 28, 1934.
Wine, Port. Feuerheerd Brothers & Company Limited. 318,947; Nov. 6; Serial No. 350,847; published Aug. 28, 1934.
Wines, P. F. Bosch. 318,948; Nov. 6; Serial No. 350,315; published Aug. 28, 1934.
Wines, B. Cella. 318,859 Nov. 6; Serial No. 352,068; published Aug. 28, 1934.
Wines, B. Cella. 318,899–900; Nov. 6; Serial Nos. 351,966–7; published Aug. 28, 1934.
Wines, Th. J. Dubos & Fils Freres. 318,922; Nov. 6; Serial No. 353,504; published Aug. 28, 1934.
Wines, Gimbel Brothers, Inc. 318,887; Nov. 6; Serial No. 348,544; published Aug. 28, 1934.
Wines, L. Guerrieri. 318,920; Nov. 6; Serial No. 353,567; published Aug. 28, 1934.
Wines, Rawlings & Sons (London) Limited. 318,858; Nov. 6; Serial No. 352,102; published Aug. 28, 1934.
Wines, Rawlings & Sons (London) Limited. 318,865; Nov. 6; Serial No. 352,105; published Aug. 28, 1934.
Wines, Società Anonima Martini & Rossi. 318,954; Nov. 6; Serial No. 349,038; published June 12, 1934.
Wines, Southard & Co. Limited. 318,898; Nov. 6; Serial No. 352,017; published Aug. 28, 1934.
Wines, Thrifty Drug Co. Ltd. 318,797; Nov. 6; Serial No. 353,160; published Aug. 28, 1934.
Wines, N. Wasserstrom & Sons, Inc. 318,784; Nov. 6; Serial No. 353,102; published Aug. 28, 1934.
Wines, N. Wasserstrom & Sons, Inc. 318,798; Nov. 6; Serial No. 353,163; published Aug. 28, 1934.
Wines, German, H. Sichel & Sons Ltd. 318,848; Nov 6; Serial No. 352,452; published Aug. 28, 1934.
Wines, Still, Sociedade dos Vinhos. 318,892; Nov. 6; Serial No. 347,701; published Aug. 28, 1934.
Wines, Still and sparkling. Ed. Kressmann & Co. 318,800; Nov. 6; Serial No. 352,382; published Aug. 28, 1934.
Wines, Still and sparkling. Ed. Kressmann & Co. 318,804; Nov. 6; Serial No. 352,383; published Aug. 28, 1934.

CLASS 48

Malt beverages. Los Angeles Brewing Co. 318,867; Nov. 6; Serial No. 341,432; published June 10, 1934.
Porter, ale, etc. Cataract Brewing Co. 318,820; Nov. 6; Serial No. 342,257; published Aug. 28, 1934.

CLASS 49

Advocaat, Dutch eggnog. G. E. W. Houweling. 318,861; Nov. 6; Serial No. 352,245; published July 17, 1934.
Brandies. Etablissements Violette, Inc. 318,895; Nov. 6; Serial No. 346,769; published Sept. 4, 1934.
Cognac. Delamain & Company. 318,814; Nov. 6; Serial No. 344,581; published June 5, 1934.

Cordials, Alcoholic. Etablissements Abel Bresson, Societe Anonyme. 318,818; Nov. 6; Serial No. 352,972; published Sept. 4, 1934.
Cordials and aperitifs, Alcoholic. Etablissements Abel Bresson, Societe Anonyme. 318,819; Nov. 6; Serial No. 352,970; published Sept. 4, 1934.
Gin. Lorber Mercantile Company. 318,928; Nov. 6; Serial No. 354,162; published Sept. 4, 1934.
Gin. Mississippi Valley Liquor Company. 318,918; Nov. 6; Serial No. 353,531; published Sept. 4, 1934.
Gin. Tonkin Distributing Co. 318,977; Nov. 6; Serial No. 354,325; published Sept. 4, 1934.
Gin and whiskey. R. C. Williams & Co., Inc. 318,868; Nov. 6; Serial No. 353,311; published Aug. 7, 1934.
Gin, whiskey, alcoholic cordials, etc. G. Virga. 318,849; Nov. 6; Serial No. 351,042; published Sept. 4, 1934.
Gin, whiskey, and brandy. Price Brothers. 318,768; Nov. 6; Serial No. 354,175; published Sept. 4, 1934.
Gin, whiskey, and brandy. Price Brothers. 318,924; Nov. 6; Serial No. 354,174; published Sept. 4, 1934.
Gin, whiskey, and brandy. Price Brothers. 318,929; Nov. 6; Serial No. 354,171; published Sept. 4, 1934.
Gin, whisky, brandy, etc. Old Collins Company, Inc., Distillers. 318,976; Nov. 6; Serial No. 354,318; published Sept. 4, 1934.
Rum. American Spirits, Inc. 318,851; Nov. 6; Serial No. 352,416; published Aug. 14, 1934.
Rum. McKesson & Robbins, Incorporated. 318,853; Nov. 6; Serial No. 351,472; published Sept. 4, 1934.
Whiskey. American Distilling Co. 318,944–5; Nov. 6; Serial Nos. 354,340–1; published Sept. 4, 1934.
Whiskey. W. G. Bond, Inc. 318,908–9; Nov. 6; Serial Nos. 354,530–1; published Sept. 4, 1934.
Whiskey W. G. Bond, Inc. 318,912–13; Nov. 6; Serial Nos. 354,548–9; published Sept. 4, 1934.
Whiskey. D. H. & J. H. Carstairs. 318,816; Nov. 6; Serial No. 343,160; published Jan. 16, 1934.
Whiskey. Frankfort Distilleries, Incorporated. 318,910; Nov. 6; Serial No. 354,604; published Sept. 4, 1934.
Whiskey. Friedman, Keller & Company. 318,905; Nov. 6; Serial No. 354,607; published Sept. 4, 1934.
Whiskey. Edward J. Goldie Importation Co. 318,838; Nov. 6; Serial No. 353,756; published Sept. 4, 1934.
Whiskey. Hirsch Distilling Company. 318,917; Nov. 6; Serial No. 353,653; published Sept. 4, 1934.
Whiskey. Irish Hills Distilleries, Inc. 318,862–4; Nov. 6; Serial Nos. 352,184–6; published Sept. 4, 1934.
Whiskey. E. Kahn & Co. 318,940; Nov. 6; Serial No. 354,376; published Sept. 4, 1934.
Whiskey. Kienzler Company. 318,960; Nov. 6; Serial No. 354,298; published Sept. 4, 1934.
Whiskey. Samuel Kunin & Sons, Inc. 318,925; Nov. 6; Serial No. 354,614; published Sept. 4, 1934.
Whiskey. Mississippi Valley Liquor Company. 318,919; Nov. 6; Serial No. 353,532; published Sept. 4, 1934.
Whiskey. Mississippi Valley Liquor Company. 318,923; Nov. 6; Serial No. 353,530; published Sept. 4, 1934.
Whiskey. Sattler-Addison Co. 318,941; Nov. 6; Serial No. 354,414; published Sept. 4, 1934.
Whiskey. K. Taylor Distilling Co. Inc. 318,943; Nov. 6; Serial No. 354,336; published Sept. 4, 1934.
Whiskey. Tonkin Distributing Co. 318,942; Nov. 6; Serial No. 354,329; published Sept. 4, 1934.
Whiskey. Tonkin Distributing Co. 318,978; Nov. 6; Serial No. 354,326; published Sept. 4, 1934.
Whiskey. Tonkin Distributing Co. 318,979; Nov. 6; Serial No. 354,328; published Sept. 4, 1934.
Whiskey. Hiram Walker & Sons Inc. 318,769; Nov. 6; Serial No. 354,220; published Sept. 4, 1934.
Whiskey. Hiram Walker & Sons Inc. 318,967; Nov. 6; Serial No. 354,228; published Sept. 4, 1934.
Whiskey. Hiram Walker & Sons. 318,970–5; Nov. 6; Serial Nos. 354,222–7; published Sept. 4, 1934.
Whiskey and gin. Friedman, Keller & Co. 318,936; Nov. 6; Serial No. 354,438; published Sept. 4, 1934.
Whiskey, gin, and brandy. H. Ehrmann. 318,939; Nov. 6; Serial No. 354,370; published Sept. 4, 1934.
Whiskey, gin, and cocktails. Gooderham & Worts Limited. 318,966; Nov. 6; Serial No. 354,289; published Sept. 4, 1934.
Whiskey, gin, cordials, etc. Consolidated Liquor Distributors, Inc. 318,911; Nov. 6; Serial No. 354,505; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 318,963; Nov. 6; Serial No. 354,281; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 318,964–5; Nov. 6; Serial Nos. 354,284–5; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 318,969; Nov. 6; Serial No. 354,279; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Felsen Tobacco Co. 318,935; Nov. 6; Serial No. 354,437; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Joseph S. Finch & Company. 318,791; Nov. 6; Serial No. 353,713; published Aug. 14, 1934.
Whiskey, gin, rum, etc. Mar-Dis Wines & Spirits Corporation. 318,937; Nov. 6; Serial No. 354,446; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Joseph E. Seagram & Sons, Inc. 318,932–3; Nov. 6; Serial Nos. 354,476–7; published Sept. 4, 1934.
Whiskey, gin, rum, etc. Joseph E. Seagram & Sons, Inc. 318,938; Nov. 6; Serial No. 354,475; published Sept. 4, 1934.
Whisky. Gooderham & Worts, Ltd. 318,842; Nov. 6; Serial No. 352,532; published Sept. 4, 1934.
Whisky. Higginbotham & Ison Limited. 318,893; Nov. 6; Serial No. 347,910; published Sept. 4, 1934.
Whisky. Siegfried Loewenthal Company. 318,962; Nov. 6; Serial No. 354,311; published Sept. 4, 1934.
Whisky. William Whiteley & Co. 318,813; Nov. 6; Serial No. 344,305; published Jan. 9, 1934.
Whisky and gin. Greenspan Bros. Co. 318,831; Nov. 6; Serial No. 353,886; published Aug. 21, 1934.

LIST OF LABELS

Apple Dips. For Cigars. H. Handler. 44,609; Nov. 6.
Bet Vel Cough Syrup. For Cough Syrup. R. V. Moore. 44,613; Nov. 6.
Boleum. For Germicidal Ointment for the Treatment of Chronic and Acute Skin and Tissue Disorders, Particularly of a Fungoid of Bacterial Origin. Bacteriolethium Laboratory. 44,602; Nov. 6.
Cracked Wheat Bread. For Bread. Menasha Products Company. 44,612; Nov. 6.
Delco for Fords. For Accelerator Starter Controls. Delco-Remy Corporation. 44,605; Nov. 6.
Drucker's Revelation for the Teeth and Gums. For Tooth Powder. August E. Drucker Co. 44,607; Nov. 6.
French Dry Pale Ginger Ale. For Ginger Ale. N. Olivieri. 44,614; Nov. 6.
Huggins-Young. For Coffee. Huggins-Young Company. 44,611; Nov. 6.
Main Show. For Chocolate and Nut Confection. Peter Paul, Inc. 44,616; Nov. 6.
Milk Made Vitamin D 100% Whole Milk Bread. For Bread. J. W. Wilkinson Company. 44,621; Nov. 6.
Mounds. For Chocolate and Cocoanut Confection. Peter Paul, Inc. 44,615; Nov. 6.
Old Oak. For Bourbon Whiskey. K. Schottler. 44,617; Nov. 6.
Old Tavern. For Gin. Universal Distillers Inc. 44,620; Nov. 6.
Par Buster. For Cigars. House & Kunz Cigar Company. 44,610; Nov. 6.
Peerless Rheumatism Remedy. For Medicine for Treating Chronic and Muscular Rheumatism, Arthritis, Neuritis, Sciatica, Lumbago and Neuralgic, Rheumatic Pains of the Kidneys. J. H. Dornbeggen. 44,606; Nov. 6.
Planters' Club. For Straight Whisky. Continental Distilling Corporation. 44,604; Nov. 6.
Royal. For Gelatin Aspic. Standard Brands Incorporated. 44,618; Nov. 6.
Tender Leaf. For Tea Balls. Standard Brands Incorporated. 44,619; Nov. 6.
The Devils Own Brand. For Hardwood Charcoal. Equitable Paper Bag Co. Inc. 44,608; Nov. 6.
2 Trousers With Every Suit. For Men's Clothes. Bond Stores, Incorporated. 44,603; Nov. 6.

LIST OF PRINTS

Annual Sale of Furs. For Ladies' Ready-to-Wear Fur Garments. Carson Pirie Scott & Company. 14,903; Nov. 6.
Cock o' The Walk. For Gasoline. Hancock Oil Company of California. 14,906; Nov. 6.
Control Egg Quality! Feed Purina Layena—The Complete Feed—(Poster). For Chicken Feed. Ralston Purina Company. 14,909; Nov. 6.
Get Eggs Like These—With Layena! (Bag Sign). For Chicken Feed. Ralston Purina Company. 14,011; Nov. 6.
If Lay Chow Don't Make Your Hens Lay They Must be Roosters! Col. Purina. (Poster). For Chicken Feed. Ralston Purina Company. 14,908; Nov. 6.
9 by 12 by What? For rugs. Bigelow-Sanford Carpet Co. Inc. 14,902; Nov. 6.
No Flies on Me! (Poster). For Dairy Feed. Ralston Purina Company. 14,913; Nov. 6.
Profitable Cows! Change to Cow Chow and Bulky-las the Country's Best Sellers and Your Best Buy Follow the Proven Purina Cow Plan! (Poster). Ralston Purina Company. 14,912; Nov. 6.
Purina Dog Chow the Most Popular Food for Hunting Dogs—(Poster). For Dog Food. Ralston Purina Company. 14,910; Nov. 6.
Schoolboys! Schoolgirls! Mothers! $12,000.00 in Cash Prizes. For Bread. General Mills, Inc. 14,904; Nov. 6.
This Poor Gal Has a Bad Case of Dry Pasturitis! (Poster). For Feed. Ralston Purina Company. 14,907; Nov. 6.
What Would Happen if You Had a Blow-Out? (Ad No. GBC-34). For Rubber Tires. B. F. Goodrich Company. 14,905; Nov. 6.
Whatever's in Your Notes. For Rugs. Bigelow-Sanford Carpet Co. Inc. 14,901; Nov. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs**

Abrams, Gertrude. (See Abrams, Mary I. and G.)
Abrams, Mary I. and G., Portland, Oreg. Slumber screen. 1,979,520; Nov. 6.
Adams, Charles R., Donovan, Saskatchewan, Canada. Straw gathering attachment for harvesters. 1,980,027; Nov. 6.
Addressograph Company. (See Gollwitzer, Walter T., assignor.)
Adelmann, Hans, New Rochelle, assignor to Ham Boiler Corporation, Port Chester, N. Y. Brush for a washing machine. 1,979,240; Nov. 6.
Adico Development Corporation. (See Jones, C. L., and Fitzpatrick, assignors.)
Air Reduction Company, Incorporated. (See Anderson, James L., assignor.)
Air Reduction Company, Incorporated. (See Evans, Charles T., assignor.)
Akers, Daniel B., Cincinnati, Ohio. Railroad. 1,980,028; Nov. 6.
Aktiebolaget Svenska Fläktfabriken. (See Bojner, Gustav, assignor.)
Aktiebolaget Svenska Kullgaerfabriken. (See Rydbeck, Patrik S., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Baumann, Adolf, assignor.)
Albanese, Harry M. and J. V., Brooklyn, N. Y. Paint brush preserver. 1,979,241; Nov. 6.
Albanese, Joseph V. (See Albanese, Harry M. and J. V.)
Albrecht, A. J. (See Baker, George B., assignor.)
Alcor Manufacturing Company. (See Nielsen, Karl K., assignor.)
Alemite Corporation. (See Davis, Ernest W., assignor.)
Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Wheeled toy. 1,979,242; Nov. 6.
Allen, John M., Toronto, Ontario, Canada. Hosiery heel and making same. 1,979,360; Nov. 6.
Allman, David W., Toronto, Ontario, Canada. Washing machine. 1,979,361; Nov. 6.
All Metal Products Company. (See Decker, A. J., and Gora, assignors.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting petroleum oil. 1,979,521; Nov. 6.
Aluminum Industries, Inc. (See Staples, Evans M., assignor.)
Amann, Paul, Nenterre, and A. Ple, Paris, France. Manufacture of lasts. 1,979,597; Nov. 6.
Ambrose, Alfred J., Yakima, Wash., assignor to Cascade Lumber Company. Machine for making box tops and bottoms. 1,979,433; Nov. 6.
American Bemberg Corporation. (See Ostermann, Walter, assignor.)
American Bemberg Corporation. (See Zart, A., and Hoeleskamp.)
American Brass Company, The. (See Anderson, Cedric S., assignor.)
American Brass Company, The. (See Coe, James R., assignor.)
American Concrete and Steel Pipe Company. (See Whiting, William A., assignor.)
American Concrete and Steel Pipe Company. (See Whitman, Nathan D., assignor.)
American Enka Corporation. (See Hubbeling, Johan D. W., assignor.)
American Enka Corporation. (See Moritz, Adrian J. L., assignor.)
American Fork & Hoe Company, The. (See Wright, Carl, assignor.)
American Meter Company. (See Diehl, John C., assignor.)
American Mine Door Company, The. (See Gurney, Albert J., assignor.)
American Oxythermic Corporation. (See Fränkl, Mathias, assignor.)
American Seating Company. (See Morgan, Erving B., assignor.)
American Slicing Machine Company. (See Campbell, William J., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Lobedeff, assignors.)
American Steel and Wire Company of New Jersey, The. (See Brown, W. G., and Gleason, assignors.)
American Steel and Wire Company of New Jersey, The. (See Johnson, P. R., Statz, and Wallsten assignors.)
American Steel and Wire Company of New Jersey, The. (See McNamee, O. A., and Vaill, assignors.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Smith, Temple C., assignor.)
Anaconda Wire & Cable Company. (See Maring, Albert, assignor.)
Anderson, Cedric S., assignor to The American Brass Company, Waterbury, Conn. Connecting cables and the like and article produced thereby. 1,979,304; Nov. 6.
Anderson Company, The. (See Smulski, Theodore J., assignor.)
Anderson, Edwin, assignor to F. Hann, Los Angeles, Calif. Hand printer. 1,979,927; Nov. 6.
Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Radiator cabinet. 1,979,817; Nov. 6.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus and method for fusion welding. 1,979,243; Nov. 6.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding tip. 1,979,244; Nov. 6.
Andresen, George, assignor to W. B. Parkyn, Chicago, Ill. Motor-compressor unit. 1,979,851; Nov. 6.
Andrews, Champe S., North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Container for packaging sheet and fabric material. 1,979,245; Nov. 6.
Andrews, Oliver B., Chattanooga, Tenn. Container. 1,979,816; Nov. 6.
Andrus, Orrin E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus and method for indicating defective welds. 1,979,786; Nov. 6.
Archer, Edward G. (See Armitage, F. W., and Archer.)
Arcturus Development Company. (See Krahl, W. L., assignor.)
Ardco Manufacturing Company. (See Stern, Charles, assignor.)
Arderne, Scott, Thesen Limited. (See Rogerson, Joseph, assignor.)
Armitage, Frederick W., and E. G. Archer, assignors by mesne assignments, to T. A. Burford, Hopewell, Va. Variable speed transmission. 1,979,723; Nov. 6.
Armstrong, Adam E., Three Rivers, Mich. Valve mechanism. 1,979,305; Nov. 6.
Armstrong Cork Company. (See Munroe, Frederic L., assignor.)
Armstrong, John J., Crockett, Calif., assignor, by mesne assignments, to E. D. Eggimann, Fort Wayne, Ind. Filter unit. Re19,359; Nov. 6.
Arnold, Max, New York, N. Y. Heater. Des. 93,755; Nov. 6.
Arrow-Hart & Hegeman Electric Company, The. (See Nero, Arvid H., assignor.)
Arth, Benjamin F. (See Siena, S. U., and Arth.)
Arveson, Maurice H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Wax polish. 1,979,787; Nov. 6.
Asencio, Vicente A. L., Valencia, Spain. Drafting instrument. 1,979,724; Nov. 6.
Ash, Charles S., Royal Oak, Mich. Road vehicle. 1,979,598; Nov. 6.
Åström, Bertil, Domnarvet, Sweden. Safety razor. 1,980,029; Nov. 6.
Ateliers Saint-Eloi, The firm of. (See Van Hille, Pierre, assignor.)
Atherton, Alfred L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sectional mercury-arc rectifier. 1,979,660; Nov. 6.
Austin, Harvey B., Narberth, Pa., assignor of one-half to G. A. Thomson, Somerville, N. J. Electric switch. 1,979,852; Nov. 6.
Automatic Drive and Transmission Company. (See Heinrich, Charles B., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
Babcock & Wilcox Company, The. (See Hodge, J. C., and Christensen, assignors.)
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Babcock & Wilcox Company, The. (See Stelling, Henry, assignor.)
Babcock & Wilcox Company, The. (See Trainer, J. E., and Day, assignors.)
Bacher, Rollin L., Lakewood, assignor to The United States Air Compressor Company, Cleveland, Ohio. Chocking device for vehicle lifts. 1,979,788; Nov. 6.
Back, Robert, assignor to The Wahl Company, Chicago, Ill. Writing implement. 1,980,159; Nov. 6.
Bailey, James B., assignor of one-half to James B. Cox, Dryden, Va. Coal cleaning machine. 1,979,362; Nov. 6.

Baird, John L., assignor to Baird Television Limited, London, England. Television and like apparatus. 1,980,150; Nov. 6.
Baird Television Limited. (See Baird, John L., assignor.)
Bake, Louis S. (See Downing, F. B., and Bake.)
Bakelite Building Products Co. Inc. (See Harshberger, Norman P., assignor.)
Baker Axle Company. (See Baker, Erle K., assignor.)
Baker, Erle K., Detroit, Mich., assignor to Baker Axle Company, Cleveland, Ohio. Motor vehicle. 1,979,522; Nov. 6.
Baker, George B., Oklahoma City, assignor of one-half to A. J. Albrecht, El Reno, Okla. Window bracket. 1,979,553; Nov. 6.
Baker, Harry L., assignor to Samcoe Holding Corporation, New York, N. Y. Dyeing. 1,979,818; Nov. 6.
Baker, Russell W., J. Q. Holmes, and A. W. Phelps, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Commutator assembling machine. 1,979,434; Nov. 6.
Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Meter sealing device. 1,979,928; Nov. 6.
Bald, Warren L., Beverly Hills, Calif., and E. S. Deakyne, Laurel, Md. Pile point. 1,979,599; Nov. 6.
Bales, James E. (See O'Connor, J. B., and Bales.)
Ball Brothers Company. (See Harding, John W., assignor.)
Ballauf, Fritz, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azodyestuffs. 1,979,600; Nov. 6.
Ballou, Virg. (See McLaughlin, Wilson L. and H. L., and Ballou.)
Ball-Rite Valve Company. (See Siena, S. U., and Arth, assignors.)
Banigan, Thomas F., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Treating artificial threads. 1,979,929; Nov. 6.
Banner, Otto A., Highland Park, assignor to John Waldron Corporation, Brunswick, N. J. Split roller coupling. 1,979,306; Nov. 6.
Barber Asphalt Company, The. (See Douthett, Orin R., assignor.)
Barber-Colman Company. (See Edgar, John, assignor.)
Barber, William C. (See Welsh, H. S., and Barber.)
Bark, William, Gary, Ind., and F. W. Waterman, Pittsburgh, Pa., assignors to National Tube Company. Method and apparatus for making tubes. 1,979,726; Nov. 6.
Barnett, David A., Hamden, Conn. Transmission system. 1,979,435; Nov. 6.
Barnett, Edward A., Port Arthur, Tex. Automobile mechanism. 1,979,523; Nov. 6.
Barnhart, George E., Pasadena, Calif. Golf club. Des. 93,756; Nov. 6.
Barrett Company, The. (See McCloskey, Gregory E., assignor.)
Barrett, Joseph M., East Cleveland, Ohio. Garment hem marker. 1,979,789; Nov. 6.
Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Abradant material and its manufacture. 1,980,151; Nov. 6.
Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,979,524; Nov. 6.
Barton, Henry. (See Budd, A. G., and Barton.)
Bast, Frank J., Queens Village, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Cycle-controller. 1,979,246; Nov. 6.
Bates, Harry B., assignor to Maintenance Equipment Company, Chicago, Ill. Rail and wheel flange lubricator. 1,979,307; Nov. 6.
Bauer, Gustav, Hamburg, and C. Schmieske, Bremen, Germany. Power transmitter. 1,979,930; Nov. 6.
Bauer, Rudolf, Cologne-Deutz, and G. Mauthe, Cologne-Holweide, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Conversion products of casein. 1,979,601; Nov. 6.
Baumann, Adolf, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Fluid sealed packing gland. 1,979,525; Nov. 6.
Beardsley, George D. (See Kramer, Andrew A., assignor.)
Beché, Hans, Huckeswagen, Germany. Swaging hammer. 1,979,931; Nov. 6.
Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Hinge bracket. 1,979,854; Nov. 6.
Beck, Walter, Frankfort-on-the-Main, and K. Bonath, Cronberg-in-Taunus, assignors to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Fused salt bath for carburizing iron, steel, and the like. 1,980,152; Nov. 6.
Beckett, Edwin, Purchase, N. Y. Weatherproof plant label holder. 1,979,932; Nov. 6.
Beckman, Bernard C., Naperville, and W. T. Hofmann, Chicago, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Making felt, paper, and the like. 1,979,819; Nov. 6.
Beddoes, Hubert, and H. E. Schlenz, assignors to Pacific Flush Tank Company, Chicago, Ill. Safety device for gas mains. 1,979,933; Nov. 6.
Bedford, Ben, Fayetteville, N. Y. Bread butterer. 1,979,436; Nov. 6.
Behimer, Otto, Chicago, Ill., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,979,437; Nov. 6.
Behrman, Marcus B., assignor to Lox Seal Corporation, Brooklyn, N. Y. Pile wire. 1,979,438; Nov. 6.
Beiger, John W., assignor to Carrom Company, Ludington, Mich. Folding chair. 1,979,308; Nov. 6.
Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Table top construction. 1,979,309; Nov. 6.
Belgard, Austin B., Chicago, Ill., assignor to Belgard-Spero, Inc. Spectacles. 1,979,855; Nov. 6.
Belgard-Spero, Inc. (See Belgard, Austin B., assignor.)
Bell, Harvey W., Ardsley-on-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Spring shackle. 1,979,526; Nov. 6.
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell, Joseph W. (See Hemstreet, D. A., and Bell.)
Bell Machine Company, The. (See Bell, Morris A., assignor.)
Bell, Morris A., assignor to The Bell Machine Company, Oshkosh, Wis. Match holder display. Des. 93,757; Nov. 6.
Bell, Raymond T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Railway grade crossing construction. 1,979,790; Nov. 6.
Bell Telephone Laboratories, Incorporated. (See Lane, C. C., and Locke, assignors.)
Bellmer, William. (See Felesina, G., and Bellmer.)
Beloit Iron Works. (See Berry, Earl E., assignor.)
Beloyt Corporation, The. (See Bell, Harvey W., assignor.)
Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Reflectometer. 1,979,952; Nov. 6.
Bénit, Henri, assignor to Compagnie Generale d'Electricite, Paris, France. Hydraulic rotatory and translatory device. 1,979,439; Nov. 6.
Bénit, Henri, assignor to Compagnie Generale d'Electricite, Paris, France. Storage battery charging system. 1,979,440; Nov. 6.
Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,758; Nov. 6.
Bennett, Herman W., and F. Townsley, Owensboro, Ky.; said Townsley assignor to said Bennett. Combined mail box and reflected sign. 1,979,727; Nov. 6.
Bennett, Morris H., Prospect, assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser assembly jig. 1,979,856; Nov. 6.
Benson, Earl U., Cushing, Okla. Automatic thermogravity gas cut-off. 1,979,857; Nov. 6.
Benya, John H., Lakewood, Ohio. Switch. 1,979,441; Nov. 6.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Centrifuge bucket. 1,979,953; Nov. 6.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Manufacturing centrifuge buckets. 1,979,954; Nov. 6.
Berkeley, Busby, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Revolving stage. 1,979,363; Nov. 6.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper winder. 1,979,310; Nov. 6.
Besselievre, Edmund B., Spring Lake, N. J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Detriting apparatus. 1,979,955; Nov. 6.
Bethel, Albert R., Huntington Park, Calif., assignor to Hartford-Empire Company, Hartford, Conn. Glass molding apparatus. 1,979,661; Nov. 6.
Bethel, Albert R., Huntington Park, Calif., assignor to Hartford-Empire Company, Hartford, Conn. Leer. 1,979,662; Nov. 6.
Bethlehem Steel Company. (See Underwood, Charles E., assignor.)
Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Removal of residual bismuthizing reagents in lead refining. 1,979,442; Nov. 6.
Bickelhaupt, Adolf, and H. Schlienz, Sillen-Buch-Stuttgart, assignors to Friedrich Breuning, Stuttgart, Germany. Ball and roller bearing. 1,979,663; Nov. 6.
Biljur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Central lubrication. 1,979,247; Nov. 6.
Bingham Stamping & Tool Company, The. (See Peters, W. L., Feemster, and Schomburg, assignors.)
Birkenbauer, Frederick W., assignor to Pie Bakeries, Inc., Newark, N. J. Multiple pie baking pan. 1,979,664; Nov. 6.
Bishop, Oakley M., Wilmington, Del., and F. W. Johnson, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile printing. 1,979,248; Nov. 6.
Bissell, Marion H., Chicago, Ill. Cleaning and polishing apparatus. 1,979,527; Nov. 6.
Blackburn, Daniel M., assignor to Hendrick Manufacturing Company, Carbondale, Pa. Shaking screen. 1,979,791; Nov. 6.
Blagden, John W., Loughton, and W. E. Huggett, London, assignors of one-third to Howards & Sons Limited, Ilford, England. Isolating or purifying terpene alcohols and hydroaromatic alcohols. 1,980,030; Nov. 6.
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamo-electric machine. 1,979,665; Nov. 6.
Blaw-Knox Company. (See Harrington, Edward I., assignor.)
Bloomfield, Samuel. (See Stepkin, Samuel, assignor.)

Blufton Slaw Cutter Company. (See Kimmel, Leslie D., assignor.)
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electron discharge device. 1,979,668; Nov. 6.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 1,979,956; Nov. 6.
Bojner, Gustav, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden. Apparatus for carrying out heat exchange processes. 1,979,602; Nov. 6.
Bonath, Klaus. (See Beck, W., and Bonath.)
Bond Electric Corporation. (See Darling, Roy L., assignor.)
Bond, Marion E. (See Cotter, W. F., and Bond.)
Booth, James D., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Modulation meter. 1,979,669; Nov. 6.
Borden, Perry A., assignor to The Bristol Company, Waterbury, Conn. System of measurement and control. 1,979,311; Nov. 6.
Bosler, True L., San Diego, Calif. Cartridge reloader. 1,979,603; Nov. 6.
Bossemeyer, William J., Detroit, Mich. Automobile top and its construction. 1,979,858; Nov. 6.
Bouillon, Constant, assignor to The Hendey Machine Company, Torrington, Conn. Headstock for lathes. 1,979,443; Nov. 6.
Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Infant scale. 1,979,364; Nov. 6.
Bow, Edmund. (See Jenks, Louis W., assignor.)
Bowder, S. F., & Company, Inc. (See Warner, Joseph R., assignor.)
Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,979,728; Nov. 6.
Bowling, Wilbur S., assignor to The Electric Furnace Company, Salem, Ohio. Heat treatment. 1,979,820; Nov. 6.
Box Blank Corporation. (See Andrews, Champe S., assignor.)
Box Blank Corporation. (See Kreider, Gideon R., jr., assignor.)
Boyle, William E., Madison, N. J., assignor to Spaulding Fibre Co. Inc., Tonawanda, N. Y. Abrasion resisting tube. 1,979,444; Nov. 6.
Bradford, Zerbe C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Centrifugal switch. 1,979,445; Nov. 6.
Brading, Harry M., Evansville, Ind. Golf club. 1,980,031; Nov. 6.
Bradley, Constantine, Nashville, Tenn. Pneumatic inner tube. 1,979,249; Nov. 6.
Bradstreet, George D., Thomaston, Conn. Spring suspension for motor vehicles. 1,979,821; Nov. 6.
Brady, Adele S., administratrix. (See Hall, E. L., and Brady.)
Brady, Adele S., administratrix. (See Perry, J. A., and Brady.)
Brady, Edward J. (See Hall, E. L., and Brady.)
Brady, Edward J. (See Perry, J. A., and Brady.)
Brainard Steel Corporation. (See Jakoubek, Frank J., assignor.)
Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Self-starting enclosed arc lamp. 1,980,032; Nov. 6.
Brass, Emil E. (See Gardner, C. F., and Brass.)
Breaux, Samuel L., jr., Oakland, Calif. Carrier. Des. 93,759; Nov. 6.
Breuning, Friedrich. (See Bickelhaupt, A., and Schlienz, assignors.)
Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)
Briggs & Stratton Corporation. (See Coughlin, Charles L., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Bristol Company, The. (See Borden, Perry A., assignor.)
Bristol Company, The. (See Kuntny, Gregor W., assignor.)
Brodersen, Max M., Alhambra, assignor to G. A. Lathrop, Los Angeles, Calif. Earth working implement. Re19,360; Nov. 6.
Brown, E. C., Co., The. (See Bullock, Giles E., assignor.)
Brown, Paul B. (See Custer, F., and Brown.)
Brown, Roger S., Chicago, Ill. Tube for boilers, heat exchangers, and the like. 1,979,859; Nov. 6.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 1,980,033; Nov. 6.
Brown, Walter G., Uxbridge, and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Reel. 1,980,153; Nov. 6.
Brown, William D., Pittsburgh, Pa. Production of sponge iron. 1,979,729; Nov. 6.
Browne, Fontague P., Buffalo, N. Y. Adjustable seat for vehicles. 1,979,860; Nov. 6.
Bruce, George A., Renton, and A. A. Mace, Foster, Wash. Arc welding metal electrode fragment holder. 1,979,528; Nov. 6.
Bruckl, John, Union City, N. J., assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Vehicle upholstery. 1,979,792; Nov. 6.
Brune, Samuel O., and O. Peterson, Winnipeg, Manitoba, Canada. Preparing foundations. 1,979,670; Nov. 6.
Brunswick-Balke-Collender Company, The. (See Hedenskoog, Ernest, assignor.)
Budd, Anthony G., and Henry Barton, West Moors, Dorset, England. Mechanical appliance for removing feathers, stubs, and down from fowls, game-birds, ducks, geese, or the like. 1,980,034; Nov. 6.
Budd, Edward G., Manufacturing Company. (See Kelley, George L., assignor.)
Budd Wheel Company. (See Eksergian, C. L., and Smith, assignors.)
Budd Wheel Company. (See Farr, W. H., Eksergian, and Smith, assignors.)
Buka, Simeon, Cincinnati, Ohio. Treating fuel. 1,979,730; Nov. 6.
Bullock, Giles E., assignor to The E. C. Brown Co., Rochester, N. Y. Step plate. 1,979,861; Nov. 6.
Burdge, Kenneth M., Cincinnati, Ohio. Beverage cooling and dispensing apparatus. 1,979,604; Nov. 6.
Burford, Tom A. (See Armitage, F. W., and Archer, assignors.)
Burge, Alfred, Gary, Ind., and J. T. Shelton, Pittsburgh, Pa., assignors to National Tube Company. Coupling gauging machine. 1,979,731; Nov. 6.
Burgie, Alethea R., administratrix. (See Hauser, T. E., and Reichert.)
Burns, George D., St. Albans, N. Y. Condiment holder. 1,979,446; Nov. 6.
Burns, Roy R., Copperhill, Tenn., assignor to Tennessee Copper Company. Ore drying apparatus. 1,979,312; Nov. 6.
Burton-Dixie Corporation. (See Perlesz, Hugo, assignor.)
Burton Explosives, Inc. (See Fox, A. S., and Rapp, assignors.)
Busch-Sulzer Bros. Diesel Engine Company. (See Pollister, Edward B., assignor.)
Butcher, Edwin G., Wahroonga, and W. E. Jupe, Eastwood, New South Wales, Australia. Railway and tramway rail and wheel flange lubrication. 1,979,447; Nov. 6.
Butler, Robert S. (See Newton, H. W., and Butler.)
Butters, Charles, Berkeley, Calif. Amalgamating apparatus and process. 1,979,365; Nov. 6.
Butts, Emil F., Tacoma, Wash. Soluble noncorrosive, cutting compound. 1,979,250; Nov. 6.
Butts, Durain C., Sandusky, Ohio, assignor to Hercules Powder Company, Wilmington, Del. Production of rosin esters. 1,979,671; Nov. 6.
Byrnes, C. P., trustee. (See Pedersen, Ingvald O., assignor.)
Byrnes, Clarence P., trustee. (See Pedersen, I. O., and Stahle, assignors.)
Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland Heights, Ohio. Electric metal working method and apparatus. 1,979,529; Nov. 6.
Cameron, Hugh M., Woodhaven, assignor to John Chatillon & Sons, New York, N. Y. Force measuring machine. 1,979,822; Nov. 6.
Camillus Cutlery Company. (See Hourin, Alton P. B., assignor.)
Campbell, Max E., et al. (See Creen, Robert H., assignor.)
Campbell, Richard T., assignor to Stickley Brothers Company, Grand Rapids, Mich. Furniture leg or the like. Des. 93,760; Nov. 6.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,979,957; Nov. 6.
Cannon, Hugh H., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Sweetening petroleum products. 1,979,448; Nov. 6.
Cannon, John W., Plainfield, N. J. Shingle. 1,979,862; Nov. 6.
Cannon-Prutzman Treating Processes, Ltd. (See Cannon, Hugh H., assignor.)
Cappe, William D. (See Melcher, John P., and Cappe.)
Caprio, Amerigo F., Newark, N. J., assignor to Celluloid Corporation. Tempering cellulose acetate plastics. 1,979,672; Nov. 6.
Car Lighting Improvement Company. (See Watson, Thomas S., assignor.)
Carbide & Carbon Chemical Corporation. (See Frazier, Ralph B., assignor.)
Carbide and Carbon Chemicals Corporation. (See Harvey, Norman D., jr.)
Cardew, Cornelius A., Wahroonga, near Sydney, New South Wales, Australia. Apparatus for testing the permanent way of railways, tramways, or the like. 1,980,035; Nov. 6.
Cardwell Westinghouse Company. (See Sproul, Donald F., assignor.)
Carlson, Axel E. (See Potter, T. I., and Carlson.)
Carpenter, Gilbert B., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,449; Nov. 6.
Carpenter, Gilbert B., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,450; Nov. 6.
Carr, Nels. (See Healy, S. A., McShane, and Carr.)
Carrom Company. (See Beiger, John W., assignor.)
Carson, Francis L., assignor to The Pacific Lumber Company, San Francisco, Calif. Paper and board manufacture. 1,979,864; Nov. 6.
Carson, William W., jr., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Plural unit heat exchanger. 1,979,732; Nov. 6.

Carruthers, Eben H., Ithaca, N. Y. Pump. 1,979,863; Nov. 6.
Cascade Lumber Company. (See Ambrose, Alfred J., assignor.)
Case, J. I., Company. (See Kranick, Frank N. G., assignor.)
Case, J. I., Company. (See MacGregor, Wallace F., assignor.)
Case, Lynn B. (See Rappolt, H. G., and Case.)
Casler, Herman. (See Williams, T., and Casler.)
Casler, Herman, Canastota, and T. Williams, Syracuse, N. Y. Exercising machine. 1,980,036; Nov. 6.
Cassity, Charles B., assignor of one-half to R. Mellon, Kansas City, Mo. Washing machine. 1,979,673; Nov. 6.
Celluloid Corporation. (See Caprio, Amerigo F., assignor.)
Cellulose Research Corporation, The. (See Olsen, Fredrich, assignor.)
Cement-Gun Company, Inc. (See Domina, Georg, assignor.)
Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
Chadwick, Lee S., Shaker Heights, and J. A. Dahlstrom, Bay Village, assignors to Perfection Stove Company, Cleveland, Ohio. Draft regulator. 1,979,865; Nov. 6.
Chalmers, George W., Summit, Ill., assignor to International Patents Development Company, Wilmington, Del. Apparatus for attaching pouring spouts to cans. 1,979,703; Nov. 6.
Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Maine. Molded pulp article. 1,979,704; Nov. 6.
Chapline, Jacob B., Chicago, assignor of one-fourth to G. D. Patterson, Evanston, Ill. Process and apparatus for forming paving material. 1,979,251; Nov. 6.
Chapman, Henry G., assignor to Cyclone Fence Company, Waukegan, Ill. Fence structure. 1,979,866; Nov. 6.
Charmat, Eugène, Paris, France. Method and apparatus for dispensing gas containing beverages and the like. 1,979,605; Nov. 6.
Charter Drive, Inc. (See Charter, James A., assignor.)
Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 1,979,867; Nov. 6.
Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 1,979,868; Nov. 6.
Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 1,979,869; Nov. 6.
Chase, Philip H., Bala-Cynwyd, Pa. Signal. 1,980,037; Nov. 6.
Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)
Cheatham Electric Switching Device Company. (See Stolp, Samuel S., assignor.)
Chedester, Harry J., U. S. Navy. Radius turning tool. 1,979,252; Nov. 6.
Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)
Chicago Carton Company. (See Coy, Don W., assignor.)
Childres, Beler F. (See Shuford, G. W., Childres, and Christian.)
Christensen, Christen, and A. G. Steinmayer, assignors to Electrical Engineers Equipment Co., Chicago, Ill. Switch. 1,979,824; Nov. 6.
Christensen, Magnus. (See Hodge, J. C., and Christensen.)
Christian, Frank. (See Shuford, G. W., Childres, and Christian.)
Cincinnati Bickford Tool Company. (See Klausmeyer, David C., assignor.)
Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer F., assignor.)
Circo Products Corporation. (See Mudon, Thomas J., assignor.)
Clapp, Kenneth S., Cleveland, Ohio. Method and apparatus for recovery of condensates. 1,979,451; Nov. 6.
Clark, Charles, assignor of one-third to A. H. Raynor, Huntington, W. Va. Material kicking machine. 1,979,530; Nov. 6.
Clark Grave Vault Company, The. (See Beck, Allen F., assignor.)
Clark, Herbert E., Oakland, Calif. Valve attachment for liquid containers. 1,979,823; Nov. 6.
Clark, Lancaster P., jr., Fairfield, Conn. Electrical plug device. 1,979,958; Nov. 6.
Clark, Luther I., Hewlett, N. Y. Golf practice ball. 1,979,795; Nov. 6.
Cleveland Fare Box and Four-Way Lock Co. (See Main, Andrew, assignor.)
Clifford, Edward C., Sand Lake, N. Y. Barrel supporting and cooling device. Re19,361; Nov. 6.
Code Electric Products Corporation, The. (See Lewis, Morgan J., assignor.)
Coe, James R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Connecting strips of sheet metal. 1,980,154; Nov. 6.
Cold White Light Inc., The. (See de Lamprecht, Rodolph, assignor.)
Cole, Guy M. (See Phillips, W. M., and Cole.)
Coleman, John G., Lansing, assignor to General Motors Corporation, Detroit, Mich. Piston balancing machine. 1,979,959; Nov. 6.
Collins, Tom, Corporation, The. (See Orton, J. R., and Fuerst, assignors.)
Colonial Broach Company. (See Halborg, Carl J., assignor.)
Colony Management Corporation. (See Emrick, William H., assignor.)
Colson Company, The. (See Pehrsson, Sven J., assignor.)
Columbia Axle Company, The. (See Turner, R. J., and Ragan, assignors.)
Compagnie Generale d'Electricite. (See Bénit, Henri, assignor.)
Comfort, Horace W. (See Johnson, E. L., and Comfort.)
Condon, Robert S., assignor to Gleason Works, Rochester, N. Y. Method of and machine for grinding gears. 1,979,870; Nov. 6.
Cone, Frank L., Windsor, Vt. Work holding and feeding mechanism. 1,979,366; Nov. 6.
Cone, Frank L., Windsor, Vt. Work-holding mechanism. 1,979,367; Nov. 6.
Conklin, Bruce, Huntington, N. Y., assignor to J. R. Sloane, Princeton, N. J. Pump, motor, compressor, or the like. 1,979,368; Nov. 6.
Conill, Fernan O., Cannes, France. Apparatus for the waving of the hair. 1,979,531; Nov. 6.
Consolidated Gas Company of New York, The. (See Walker, W. S., and Forberg, assignors.)
Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Magnesium alloy. 1,979,452; Nov. 6.
Cotter, William F., assignor to United American Bosch Corporation, Springfield, Mass. Radio apparatus. 1,979,315; Nov. 6.
Cotter, William F., and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Program distribution system. 1,979,313; Nov. 6.
Cotter, William F., and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Power line reactor. 1,979,314; Nov. 6.
Cotter, William F., and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Loud speaker. 1,979,453; Nov. 6.
Cotter, William F. and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Electric relay. 1,980,038; Nov. 6.
Coughlin, Charles L., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Key. 1,979,960; Nov. 6.
Cowan, Sidney M., Newark, N. J. Curtain and curtain saddle. 1,979,674; Nov. 6.
Cox, James B. (See Bailey, James B., assignor.)
Coy, Don W., assignor to Chicago Carton Company, Chicago, Ill. Carton blank folding and stapling machine. 1,979,253; Nov. 6.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Folding mechanism. 1,979,316; Nov. 6.
Crèmer, Emil. (See Dühme, E. and Crèmer.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Croom, Guy, assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Adjustable friction crank for counterbalanced pumping units. 1,979,675; Nov. 6.
Crossfield, Albert S. (See Rebber, L. L., Crossfield, and Ragatz.)
Crowell, William D., St. Louis, Mo. Ventilating apparatus for vehicle bodies. 1,980,039; Nov. 6.
Cruikshank, Virginius M., Shamokin, Pa. Automatic furnace stoker. 1,979,871; Nov. 6.
Cullin, Jasper F., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Armature assembly machine. 1,979,454; Nov. 6.
Cuno Engineering Corporation, The. (See Wolfson, Sidney L., assignor.)
Curtis, Leslie F., assignor to United American Bosch Corporation, Springfield, Mass. Electric relay. 1,979,317; Nov. 6.
Curtis-Wiley Marine Salvos. (See Wiley, Elbert H. and C. H., assignors.)
Cushing, William W., and R. K. Palmer, Hamilton, Ontario, Canada. Safety gate. 1,979,369; Nov. 6.
Custer, Fred, and P. B. Brown, assignors to The De Vilbiss Company, Toledo, Ohio. Atomizer. 1,979,455; Nov. 6.
Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
Cyclone Fence Company. (See Chapman, Henry G., assignor.)
Dahlen, Miles A. (See Holmes, F. B., and Dahlen.)
Dahlstrom, John A. (See Chadwick, L. S., and Dahlstrom.)
Dailey, Manvel C. (See Randel, W. S., Dailey, and McNeil.)
Dalton, William, Schenectady, N. Y. Railway track structure. 1,979,825; Nov. 6.
Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Stroke adjusting device for power hammers. 1,979,733; Nov. 6.
Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Preventing corrosion and corrosion resisting joints. 1,979,961; Nov. 6.
Dardelet Threadlock Corporation. (See Hoke, William E., assignor.)
Darling, Roy L., assignor to Bond Electric Corporation, Jersey City, N. J. Candle light. 1,980,040; Nov. 6.
Dath, Charles E., assignor to W. H. Miner, Inc., Chicago, Ill. Doorlatch. 1,979,456; Nov. 6.
Davis, Charles H. (See Lueck, H. W., and C. H. and U. Davis.)
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,979,962; Nov. 6.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,979,370; Nov. 6.

Davis, Uriah. (See Lueck, H. W., and C. H. and U. Davis.)
Dawes, Charles L. (See Ovington, Edward J., assignor.)
Day, Charles M. (See Trainer, J. E., and Day.)
Deakyne, Elwood S. (See Bald, W. L., and Deakyne.)
Decker, Arnold J., and J. Gora, assignors to All Metal Products Company, Wyandotte, Mich. Popgun barrel. 1,979,963; Nov. 6.
Decker, Harry R., Houston, Tex. Street construction. 1,980,041; Nov. 6.
Deere & Company. (See Brown, Theophilus, assignor.)
Deere & Company. (See Frederiksen, Carl J., assignor.)
De Lamprecht, Rodolph, Vancouver, British Columbia, Canada, assignor to The Cold White Light Inc., Seattle, Wash. Producing white luminous tubes of electrified neon gas. 1,979,606; Nov. 6.
Delco Appliance Corporation. (See Wallis, C. T., and Marquart, assignors.)
De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,761; Nov. 6.
Denniston, Adolph L., Park Ridge, assignor to Stromberg Electric Company, Chicago, Ill. Time recorder system. 1,979,318; Nov. 6.
Denniston, Adolph L., Park Ridge, assignor to Stromberg Electric Company, Chicago, Ill. Synchronous motor job time recorder. 1,979,319; Nov. 6.
De Rachat, Nicholas G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,979,532; Nov. 6.
Derby, Elmer R. (See O'Kane, R. G., and Derby.)
Deutsche Edelstahlwerke Aktiengesellschaft. (See Dühme, E., and Cremer, assignors.)
Deutsche Gold & Silber Scheideanstalt, vormals Roessler. (See Beck, W., and Bonath, assignors.)
DeVilbiss Company, The. (See Custer, F., and Brown, assignors.)
Diack, Alexander S., Detroit, Mich. Pneumatic tire construction. 1,979,371; Nov. 6.
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Dickinson, Edwin A., East Orange, assignor to Gray Processes Corporation, Newark, N. J. Petroleum refining apparatus. 1,979,734; Nov. 6.
Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. Meter apparatus. 1,979,607; Nov. 6.
Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Machine for infolding and creasing blanks. 1,979,872; Nov. 6.
Dobbin, Charles, Brooklyn, N. Y. Mail chute. 1,979,796; Nov. 6.
Domina, Georg, Berlin, Germany, assignor to Cement-Gun Company, Inc. Double-chamber back-filling apparatus with automatic control. 1,979,320; Nov. 6.
Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc. Television. 1,980,155; Nov. 6.
Dorr Company, Inc., The. (See Besselievre, Edmund B., assignor.)
Doughnut Machine Corporation. (See Hunter, Herbert T., assignor.)
Douthett, Orin R., Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Treating bitumen. 1,979,676; Nov. 6.
Douthett, Orin R., Passaic, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Treated bitumen. 1,979,677; Nov. 6.
Dover Manufacturing Company. (See Maurer, Charles C., assignor.)
Dowling, Philip H., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of electrical rectifiers. 1,980,042; Nov. 6.
Downing, Frederick B., Carneys Point, and L. S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lead-sodium alloy. 1,979,254; Nov. 6.
Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. Des. 93,762; Nov. 6.
Doxford, William, & Sons Limited. (See Keller, Karl O., assignor.)
Drum, George E., and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Safety guard for machines. 1,979,457; Nov. 6.
DuBrie, Stanley R., Detroit, Mich. Pressure switch. 1,979,608; Nov. 6.
Duffendack, Ora S., and R. A. Wolfe, Ann Arbor, Mich. Quantitative spectral analysis. 1,979,964; Nov. 6.
Dühme, Emil, Berlin-Siemensstadt, and E. Crèmer, Berlin-Charlottenburg, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Crefeld, Germany. Making hard bodies. 1,979,372; Nov. 6.
Dunn, Alonzo M., Perryton, Tex. Woodworking tool. Des. 93,763; Nov. 6.
Dunner, Julius, assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Artificial eyes for dolls, toys, and the like. 1,979,321; Nov. 6.
Du Pont Cellophane Company, Inc. (See Herrmann, Otto, assignor.)
Du Pont, E. I., de Nemours & Company. (See Bishop, O. M., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carpenter, Gilbert B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Bake, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gauerke, Chester G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gubelmann, Ivan, assignor.)
Du Pont, E. I., de Nemours & Company. (See Holmes, F. B., and Dahlen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Alfred J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tyler, Chaplin, assignor.)
Du Pont, E. I., de Nemours & Company. (See Vall, Walter E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Du Pont Rayon Company. (See Banigan, Thomas F., assignor.)
Dupuy, Victor E., Paris, France. Rail bond. 1,979,533; Nov. 6.
Dürkopp-Werke A.-G. (See Mischke, Karl, assignor.)
Duryea, O. C., Corporation. (See Norbom, Elnar B., assignor.)
Earl, Harley J., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Automobile or similar article. Des. 93,764; Nov. 6.
Eastern Malleable Iron Company, The. (See Spring, George B., assignor.)
Easton Car & Construction Company. (See Schuller, Alfred L., assignor.)
Ebert, Joseph, Westmont, N. J., assignor to The Farnstan Company, Philadelphia, Pa. Disazo compound for therapeutic use. 1,979,534; Nov. 6.
Ebert, Joseph, Westmont, N. J., assignor to The Farnstan Company, Philadelphia, Pa. Disazo compounds for therapeutic use. 1,979,678; Nov. 6.
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Hob manufacture. 1,979,535; Nov. 6.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Truing device for grinding wheels. 1,979,536; Nov. 6.
Edgewater Steel Company. (See Wikander, Oscar R., assignor.)
Edison, Thomas A., Incorporated. (See Gramann, Heinrich F. M., assignor.)
Edison, Thomas A., Incorporated. (See Schallis, Charles A., assignor.)
Eggimann, E. D. (See Armstrong, John J., assignor.)
Egloff, Gustav. (See Morrell, J. C., and Egloff.)
Elsen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 1,979,458; Nov. 6.
Eksergian, Carolus L. (See Farr, W. H., Eksergian, and Smith.)
Eksergian, Carolus L., and O. E. Smith, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Wire wheel truing machine and method. 1,980,129; Nov. 6.
Electric Furnace Company, The. (See Bowling, Wilbur S., assignor.)
Electric Railway Improvement Company, The. (See Cawell, Charles A., assignor.)
Electrical Engineers Equipment Co. (See Christensen, C., and Steinmayer, assignors.)
Electro Formation, Inc. (See Tyzzer, Howard J., assignor.)
Electrolux Servel Corporation. (See Köbler, Peter, assignor.)
Elliott Company. (See Elliott, William S., assignor.)
Elliott, William S., assignor to Elliott Company, Pittsburgh, Pa. Motor. 1,979,537; Nov. 6.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Equilibrated paint and varnish remover containing petroleum hydrocarbons. 1,980,043; Nov. 6.
Ellis, Charles E., jr., Mahwah, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator. 1,979,679; Nov. 6.
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Apparatus for defiberizing wood. 1,979,373; Nov. 6.
Elmer, John, and B. J. Kelly, assignors to Sloane-Blabon Corporation, Philadelphia, Pa. Printing. 1,979,735; Nov. 6.
Emons, Ernest E., Kennett Square, Pa., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacle frame. Des. 93,765; Nov. 6.
Emrick, William H., Portland, Oreg., assignor to Colony Management Corporation, New York, N. Y. Making or separating an expansion fit. 1,980,156; Nov. 6.
Engel, Frank A., Roselle, assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J. Pipe clamp. 1,979,680; Nov. 6.
Engel, Frank A., Roselle, F. V. Lawrence, Plainfield, and F. Hudson, Roselle, assignors to Inner-Tite Clamp Corporation, Elizabeth, N. J. Pipe joint packing device. 1,979,255; Nov. 6.
Engelken, Richard C., Passaic, N. J., and H. A. Kliegl, assignors to Kliegl Bros. Universal Electric Stage Lighting Co. Inc., New York, N. Y. Light projector. Des. 93,766; Nov. 6.
Engstrom, Axel E., Evanston, Ill. Soot collector. 1,979,873; Nov. 6.
Enos, Alexander, New York, N. Y. Click lock. 1,979,374; Nov. 6.
Estes, Phillip H. (See Rovere, L. H., and Estes.)

Estes, Phillip H., Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Electrical protective system. 1,979,259; Nov. 6.
Etter, John H., San Francisco, Calif. Ventilated toilet. 1,979,786; Nov. 6.
Evans, Charles T., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Oxygen cutting apparatus. 1,979,965; Nov. 6.
Evans, Edwin R., Chicago, Ill. Braking mechanism. 1,979,874; Nov. 6.
Evans, William L. (See Horkavi, Michael J., assignor.)
Evans, Wilmot R. (See Wolfe, Walter G., assignor.)
Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Pear treating apparatus. 1,979,322; Nov. 6.
Fairbanks, E. and T., and Company. (See Bousfield, Alfred, assignor.)
Fairbanks, Morse & Co. (See Reis, Curt F., assignor.)
Fairmount Glass Works. (See Ferguson, John, assignor.)
Fallon, Clarence M., San Diego, Calif. Pneumatic crutch pad. 1,980,044; Nov. 6.
Farastan Company, The. (See Ebert, Joseph, assignor.)
Farr, Warren H., C. L. Eksergian, and O. E. Smith, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia Pa. Wire wheel truing machine and method. 1,979,966; Nov. 6.
Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Nodulizing cement materials, etc. 1,980,130; Nov. 6.
Faus, Herbert W., White Plains, N. Y. Hot-box indicator. 1,979,875; Nov. 6.
Feemster, David R. (See Peters, W. L., Feemster, and Schomburg.)
Felesina, George, Carlstadt, N. J., and W. Bellmer, Brooklyn, assignors of one-fourth to E. Jurgs and one-fourth to C. Meier, New York, N. Y. Liquid dispensing and cooling device. 1,979,323; Nov. 6.
Ferguson, John, Indianapolis, Ind. Apparatus for making and refining glass. 1,979,609; Nov. 6.
Ferguson, John, assignor to Fairmount Glass Works, Indianapolis, Ind. Apparatus and process for heating glass furnace forehearths. 1,979,610; Nov. 6.
Fernandez, Charles, San Francisco, Calif. Doorcheck. 1,979,826; Nov. 6.
Fiberloid Corporation, The. (See O'Kane, R. G., and Derby, assignors.)
Fidelity Trust Company. (See Chaplin, Merle P., assignor.)
Fielding, John, North Providence, assignor of one-half to J. P. Whitaker, Apponaug, R. I. Clip. 1,979,375; Nov. 6.
Filipowicz, John, Brooklyn, assignor of one-half to A. C. Nolte, New York, N. Y. Pocketbook. 1,980,133; Nov. 6.
Financial Press Companies of America, The. (See Vischer, Alfred, jr.)
Finn, Barrett F., Chicago, Ill. Game apparatus. 1,979,459; Nov. 6.
Finnell, Walter S., Elkhart, Ind. Floor machine. 1,979,797; Nov. 6.
Firestone Tire & Rubber Company, The. (See Hulslander, Ray D., assignor.)
Firestone Tire & Rubber Company, The. (See Lewis, Arthur P., assignor.)
Fischer, Philip A., New York, N. Y. Paper napkin. 1,979,876; Nov. 6.
Fisher, Ernest F., St. Louis, Mo. Air-conditioning apparatus. 1,979,538; Nov. 6.
Fitz Gibbon & Crisp, Inc. (See Lea, Edward S., assignor.)
Fitzpatrick, William H. (See Jones, C. L., and Fitzpatrick.)
Flanagan, George P., assignor to O. J. Seguin, Springfield, Mass. Pan support. 1,980,131; Nov. 6.
Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Liquid fuel burner. 1,980,132; Nov. 6.
Florman, Irving, New York, N. Y. Bathroom scale. 1,980,045; Nov. 6.
Forberg, Trygve. (See Walker, W. S., and Forberg.)
Forbes, John S., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Valve. 1,979,611; Nov. 6.
Forsberg, Harold S., Stratford, Conn. Screw driver. 1,979,460; Nov. 6.
Fowler, Neil A., Oak Park, assignor to General Box Company, Chicago, Ill. Securing covers to containers. 1,979,376; Nov. 6.
Fox, Albert S., New Castle, and F. Rape, Edenburg, Pa., assignors to Burton Explosives, Inc., Cleveland, Ohio. Explosive. 1,979,681; Nov. 6.
Francis, Charles B., Pittsburgh, Pa. Molten metal sampling. 1,979,737; Nov. 6.
Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Separating vapors from gaseous mixtures. 1,979,682; Nov. 6.
Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
Frazier, Ralph B., Norristown, Pa., assignor to Carbide & Carbon Chemical Corporation. Shoe structure. 1,979,461; Nov. 6.
Frederiksen, Carl J., assignor to Deere & Company, Moline, Ill. Wagon hitch. 1,980,046; Nov. 6.
Freedman, Louis, deceased, St. Louis, Mo.; W. K. Frielingsdorf, administrator. Piston. 1,979,967; Nov. 6.
Freese, Ira H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass forming machine. 1,980,047; Nov. 6.
French, George F., Manchester, England. Ladder web of Venetian blinds. 1,980,048; Nov. 6.
Freyn Engineering Company. (See Schofield, Wilfred C., assignor.)
Frielingsdorf, William K., administrator. (See Freedman, Louis.)
Frigidaire Corporation. (See Roberts, Mason M., assignor.)
Frigidaire Corporation. (See Smith, Harry F., assignor.)
Frisch, Erling. (See Schaelchlin, W., and Frisch.)
Frostad, George O., asignor to National Paper Can Company, Cudahy, Wis. Method and apparatus for manufacturing containers. 1,979,827; Nov. 6.
Fry, Benjamin W., St. Louis, Mo. Coin testing and ejecting mechanism for vending machines. 1,979,377; Nov. 6.
Fuerst, Edwin W. (See Orton, J. R., and Fuerst.)
Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Holder for cosmetics and the like. 1,979,828; Nov. 6.
Fulton Sylphon Company, The. (See Carson, William W., jr., assignor.)
Ful-Vue Sales Company, The. (See Emons, Ernest E., assignor.)
Gaimer, Alton P., Philadelphia, Pa. Cap for dispensing containers. 1,980,049; Nov. 6.
Gannett, Chauncey W., assignor to The Wellington Machine Company, Wellington, Ohio. Caster. 1,979,378; Nov. 6.
Gardner, Bernard C., and R. H. Varian, Philadelphia, Pa., assignor to Television Laboratories, Ltd., San Francisco, Calif. Production of refractory metal leaf. 1,979,539; Nov. 6.
Gardner, Charles F., Weehawken, and E. E. Brass, Highland Park, N. J. Combustion controlling device. 1,979,462; Nov. 6.
Gardner, Henry A., Washington, D. C. Zinc-base white pigment and making the same. 1,979,379; Nov. 6.
Gardner, Henry A., Washington, D. C. Pigment and manufacture. 1,979,380; Nov. 6.
Garson, Thorvald N., New Brighton, Staten Island, N. Y. Drum operating mechanism for portable cranes. 1,979,612; Nov. 6.
Gas and Oil Lock Corporation, The. (See Young, Marvin S., assignor.)
Gas and Oil Lock Corporation, The. (See Young, M. S., and Novick, assignors.)
Gaskill, Alfred T. (See Geiger, W. J., and Gaskill.)
Gaudin, Antoine M., Salt Lake City, Utah. Floating hematite. 1,979,324; Nov. 6.
Gauerke, Chester G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed synthetic oil and product derived therefrom. 1,979,260; Nov. 6.
Gaylord, Robert, Incorporated. (See Hane, Hubert H., assignor.)
Geiger, Walter J., and A. T. Gaskill, Cleveland Heights, Ohio, assignors to General Electric Company. Electric projection lamp. 1,979,968; Nov. 6.
Gendich, Michael, Jeannette, Pa. Shade, curtain, and drapery holder. 1,980,050; Nov. 6.
General Aniline Works, Inc. (See Ballauf, F., and Schmelzer, assignors.)
General Aniline Works, Inc. (See Kranzlein, G., and Runne, assignors.)
General Aniline Works, Inc. (See Vogt, W., and Huber, assignors.)
General Aniline Works, Inc. (See Wolfram, A., and Hausdörfer, assignors.)
General Box Company. (See Fowler, Neil A., assignor.)
General Electric Company. (See Bakke, Hans A., assignor.)
General Electric Company. (See Barringer, Lawrence E., assignor.)
General Electric Company. (See Benford, Frank A., assignor.)
General Electric Company. (See Bergman, Sven R., assignor.)
General Electric Company. (See Dantsizen, Christian, assignor.)
General Electric Company. (See Geiger, W. J., and Gaskill, assignors.)
General Electric Company. (See Gilson, Emery G., assignor.)
General Electric Company. (See Marshall, Abraham L., assignor.)
General Electric Company. (See Pfitzer, Emil, assignor.)
General Electric Company. (See Price, David R., assignor.)
General Electric Company. (See Sprung, Helmut, assignor.)
General Electric Company. (See Traub, Wilhelm, assignor.)
General Electric Company. (See Wood, Alexander P., assignor.)
General Industries Company, The. (See Schmittgen, William A., assignor.)
General Industries Company, The. (See van der Woude, Fritz, assignor.)
General Motors Corporation. (See Baker, R. W., Holmes, and Phelps, assignors.)
General Motors Corporation. (See Bradford, Zerbe C., assignor.)
General Motors Corporation. (See Coleman, John G., assignor.)
General Motors Corporation. (See Cullin, Joseph F., assignor.)

General Motors Corporation. (See Earl, Harley J., assignor.)
General Motors Corporation. (See House, Clifford N., assignor.)
General Motors Corporation. (See Neuman, Fred A., assignor.)
General Motors Corporation. (See Phillips, W. M., and Cole, assignors.)
General Motors Corporation. (See Rabezzana, Hector, assignor.)
General Motors Corporation. (See Rossman, Edwin F., assignor.)
General Motors Corporation. (See Short, Charles R., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Peabody, James A., assignor.)
Gershen, Dorothy, Cleveland, Ohio. Lady's underwear. 1,979,540; Nov. 6.
Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Propeller shaft with rubber cushion. 1,979,969; Nov. 6.
Gibson, Alfred E., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Drag line bucket. 1,979,738; Nov. 6.
Gibson, Thomas L. (See Klausmeyer, David C.)
Giesecke, Fred O., Evanston, Ill., assignor to International Patents Development Company, Wilmington, Del. Starch product and making same. 1,979,257; Nov. 6.
Gilbert, Charles T., Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill. Washboard. 1,979,258; Nov. 6.
Gilson, Emery G., Colonie, N. Y., assignor to General Electric Company. Razor blade sharpening machine. 1,979,970; Nov. 6.
Gleason, George A. (See Brown, W. G., and Gleason.)
Gleason Works. (See Condon, Robert S., assignor.)
Glidden, Raymond B., assignor to Kewanee Safe Company, Kewanee, Ill. Sectional key. 1,979,798; Nov. 6.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe roughing tool. 1,979,381; Nov. 6.
Goggins, Jull R., Minneapolis, Minn. Device for delivering tokens. 1,979,613; Nov. 6.
Goldberg, Herman, Chicago, Ill. Grinding and polishing apparatus. 1,979,325; Nov. 6.
Goldman, Albert D., Baltimore, Md. Terminal or clamp. 1,979,382; Nov. 6.
Goliwitzer, Walter T., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Address plate. 1,979,261; Nov. 6.
Gong Bell Manufacturing Company, The. (See Allen, Harold D., assignor.)
Goodman Manufacturing Company. (See Pray, Thomas E. assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Gora, John. (See Decker, A. J., and Gora.)
Goshaw, Irl R., Nutley, N. J., assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,979,463; Nov. 6.
Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
Goth, Erich, Wuppertal-Elberfeld, F. Keyser, Wuppertal-Hammerstein, and M. Kühn, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Halogenated ethanol. 1,979,614; Nov. 6.
Gottlieb, David, Chicago, Ill. Game apparatus. Des. 93,767; Nov. 6.
Gould Coupler Company, The. (See Barrows, Donald S., assignor.)
Grabler Manufacturing Company, The. (See Neilon, Patrick J., assignor.)
Graham, Hubert B., London, and S. F. Warren, Harrow, England. Fire extinguisher. 1,980,051; Nov. 6.
Gramann, Heinrich F. M., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 1,979,829; Nov. 6.
Grand Rapids Store Equipment Company. (See Welch, Kenneth C., assignor.)
Grange, Leo O., assignor to W. J. Jarrett, Chicago, Ill. Retreader. 1,980,134; Nov. 6.
Grant, Benton H., et al. (See Wetherbee, Herbert E., assignor.)
Grant, Richard F., et al. (See Wetherbee, Herbert E., assignor.)
Graves, Herbert C., jr., Radnor, Radnor Township, Chester County, and W. M. Scott, jr., assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switch structure. 1,979,683; Nov. 6.
Gray Processes Corporation. (See Dickson, Edwin A., assignor.)
Grayson, Ralph V., Atlanta, Ga. Fruit and vegetable peeler. 1,979,615; Nov. 6.
Green, Jesse R. (See Martin, W. M., and Green.)
Green, Robert H., assignor of two-thirds to M. E. Campbell, Los Angeles, and F. E. Griffith, Long Beach, Calif. Product and making reenforced coverings. 1,979,684; Nov. 6.
Greschel, Fred. (See Scoville, George L., assignor.)
Griffith, Fred E., et al. (See Green, Robert H., assignor.)
Grindrod George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Apparatus for heat treating foods. 1,979,685; Nov. 6.
Grindrod Process Corporation. (See Grindrod, George, assignor.)
Grisenti, Joseph, San Francisco, Calif. Automatic gear changing mechanism. 1,979,830; Nov. 6.
Groeniger, William C., Columbus, Ohio, assignor to Mueller Co., Decatur, Ill. Combined flush valve and water closet. 1,979,739; Nov. 6.
Groset, John P., and C. J. Halset, assignors to Ideal Machine Company, Chicago, Ill. Machine for making ice-cream cones and the like. 1,979,259; Nov. 6.
Gruetter, John R., Cleveland, Ohio, assignor to Liquid Carbonic Corporation, Chicago, Ill. Label removing machine. 1,979,383; Nov. 6.
Gubelmann, Ivan, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flaked resorcinol. 1,979,971; Nov. 6.
Guild, Frank, Mount Kisco, N. Y. Pneumatic sole for shoes. 1,979,972; Nov. 6.
Gund, Katherine. (See Sanford, F. W., and Marbach, assignors.)
Gunn, Charles H., Burlingame, Calif. Fertilizer distributor. 1,979,541; Nov. 6.
Gurcanus, Edith C., Memphis, Tenn. Flower container stand. Des. 93,768; Nov. 6.
Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Steak slicing and dicing machine. 1,979,464; Nov. 6.
Gutmann, Ferdinand, & Co. (See Eisen, Jay B., assignor.)
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,979,262; Nov. 6.
Hagobian, Jacob S., Bridgeport, Conn. Crown slitter. 1,979,831; Nov. 6.
Hahle, Herbert. (See Schladebach, H., and Hahle.)
Haidle, Balthaser. (See Haidle, F., and Balthaser.)
Haidle, Fred and B., Fallon, Mont. Propeller control. 1,979,616; Nov. 6.
Halborg, Carl J., Detroit, Mich., assignor to Colonial Broach Company. Broaching machine. 1,979,973; Nov.6.
Hall, Edwin L., Philadelphia, and E. J. Brady, Lansdowne, deceased; A. S. Brady, administratrix, assignors to The United Gas Improvement Company, Philadelphia, Pa. Valve for gas pilot lights. 1,980,052; Nov. 6.
Hall, James H. and S., assignors to Hall & Kay, Limited, Ashton-under-Lyne, England. Metal socket, bush, ferrule, rivet, and the like. 1,979,686; Nov. 6.
Hall & Kay, Limited. (See Hall, James H. and S., assignors.)
Hall, Lewis H., Springfield, Mass. Garment hanger. 1,979,687; Nov. 6.
Hall, Sydney. (See Hall, James H. and S.)
Halpin, Abraham, New York, N. Y. Portable receptacle. 1,979,263; Nov. 6.
Halset, Christ J. (See Groset, J. P., and Halset.)
Ham Boiler Corporation. (See Adelmann, Hans, assignor.)
Hamer, William D., assignor to Transelectric Company, Indianapolis, Ind. Electrical tool. 1,979,688; Nov. 6.
Hamm, Daniel J., Beaumont, Tex. Well strainer. 1,979,740; Nov. 6.
Hane, Hubert H., assignor to Robert Gaylord Incorporated, St. Louis, Mo. Brooder box. 1,979,877; Nov. 6.
Hangi, Sukezo, Libue, Kauai, Hawaii. Apparatus for sharpening tools of chisel type. 1,979,741; Nov. 6.
Hann, Francis. (See Anderson, Edwin, assignor.)
Hansell, Clarence W., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Oscillatory circuit. 1,980,158; Nov. 6.
Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removal of ammonia and hydrogen sulphide from gases. 1,979,934; Nov. 6.
Harbaugh, Edwin T., Camden, N. J. Apparatus for blanching nuts. 1,979,384; Nov. 6.
Harding, Henry V. (See McPartlin, L. J., and Harding.)
Harding, John W., Brockway, Pa., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Conveying mechanism. 1,979,878; Nov. 6.
Harrington, Edward L., assignor to Blaw-Knox Company, Pittsburgh, Pa. Bucket structure. 1,979,832; Nov. 6.
Harris, May, Chicago, Ill. Combined apron and toilet case. 1,979,879; Nov. 6.
Harris, Seybold, Potter Company. (See Seybold, Frederick W., assignor.)
Harrison, Albert A. (See Vestal, Merton L., assignor.)
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Shingle and manufacturing the same. 1,980,053; Nov. 6.
Hart & Cooley Manufacturing Co. (See Heasley, Lloyd E., assignor.)
Hart & Hutchinson Company, The. (See Anderson, Gustav H., assignor.)
Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Synchronous motor clock system. 1,979,326; Nov. 6.
Hartford-Empire Company. (See Bethel, Albert R., assignor.)
Hartzell Industries, Inc. (See Hartzell, Robert N., assignor.)

Hartzell, Robert N., assignor to Hartzell Industries, Inc., Piqua, Ohio. Veneer. 1,980,054; Nov. 6.
Harvey, Norman D., jr., Providence, R. I., assignor to Carbide and Carbon Chemicals Corporation. Cosmetic preparation. 1,979,385; Nov. 6.
Hausdörfer, Emil. (See Wolfram, A., and Hausdörfer.)
Hauser, Thomas E., Bowling Green, and P. F. Reichert deceased; A. R. Burgle, Toledo, Ohio, administratrix, assignor to said Hauser. Toilet accessory. 1,979,542; Nov. 6.
Hazel-Atlas Glass Co. (See Freese, Ira H., assignor.)
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,979,386; Nov. 6.
Healy, Stephen A., Chicago, Ill., and J. J. McShane and N. Carr, Davenport, Iowa; said McShane and said Carr assignors to said Healy. Cofferdam frame. 1,980,055; Nov. 6.
Heasley, Lloyd E., Holland, Mich., assignor to Hart & Cooley Manufacturing Co., Chicago, Ill. Register. 1,979,543; Nov. 6.
Heath, Forrest A., Upper Montclair, N. J. Oil burning apparatus. 1,979,465; Nov. 6.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Chemical Construction Corporation, New York, N. Y. Storing oxides of nitrogen. 1,979,544; Nov. 6.
Hedeby, Hans U., Youngstown, Ohio. Power-actuated hand plane. 1,980,056; Nov. 6.
Hedenskoog, Ernest, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling ball brake or retarder. 1,979,466; Nov. 6.
Heideman, Frederick J., Detroit, assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Mechanical refrigeration unit. 1,979,617; Nov. 6.
Heidemann, Georg, Hoppegarten-Berlin, Germany. Automotive vehicle. 1,979,545; Nov. 6.
Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Conveyer mechanism. 1,979,799; Nov. 6.
Heinrich, Charles B., Maple Shade, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch. 1,979,880; Nov. 6.
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz & Kaufman, Ltd. (See Scofield, Philip F., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Temperature control. 1,979,546; Nov. 6.
Hellmuth, Fritz, Berlin-Karlshorst, Germany. Temperature regulating device for beds or bedrooms. 1,979,467; Nov. 6.
Hellstrom, Alice, administratrix. (See Hellstrom, Eric H.)
Hellstrom, Eric H., deceased, St. Paul, Ind., Alice Hellstrom, administratrix. Stone-channeling machine. 1,980,135; Nov. 6.
Hellwig, Carl, Cali, Colombia. Package and article handling implement. 1,979,618; Nov. 6.
Hemstreet, David A., and J. W. Bell, Marysville, Calif. Road building machine. 1,979,619; Nov. 6.
Henap, Michael, New York, N. Y. Hydraulic spoke wheel. 1,979,935; Nov. 6.
Hendey Machine Company, The. (See Bouillon, Constant, assignor.)
Hendey Machine Company, The. (See Llewellyn, Ernest R., assignor.)
Hendrick Manufacturing Company. (See Blackburn, Daniel M., assignor.)
Henriod, Charles E., Areuse, Switzerland. Power transmission mechanism. 1,979,742; Nov. 6.
Hercules Powder Company. (See Butts, Durain C., assignor.)
Herrmann, Otto, Wiesbaden, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Coating and the product resulting therefrom. 1,979,936; Nov. 6.
Herron-Zimmers Moulding Company. (See Rood, Warren B., assignor.)
Hershey, Willard V., Fremont, Ohio. Thread clipper. 1,979,743; Nov. 6.
Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,979,620; Nov. 6.
Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Schlibach, Gustav, assignor.)
Hickok Manufacturing Company, Inc. (See Mix, Edwin S., assignor.)
Hills Brothers Company, The. (See Stott, Alexander W., assignor.)
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hodge, James C., and M. Christensen, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Welding electrode. 1,979,264; Nov. 6.
Hoelkeskamp, Franz. (See Zart, A., and Hoelkeskamp.)
Hofmann, William T. (See Beckman, B. C., and Hofmann.)
Högtors, Hans F. B., assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden. Cash register. 1,979,387; Nov. 6.
Hoguet & Neary. (See Brucki, John, assignor.)
Hoke, William E., Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y. Lapping dies. 1,979,689; Nov. 6.
Hollander, Aindar, Berkeley, Calif. Balanced turbulence pump. 1,979,621; Nov. 6.
Hollander, Aindar, Berkeley, Calif. Rotary hydraulic machine. 1,979,622; Nov. 6.
Holmes, Fletcher B., and M. A. Dahlen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-soluble azo dye intermediate. 1,979,327; Nov. 6.
Holmes, John Q. (See Baker, R. W., Holmes, and Phelps.)
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,979,265; Nov. 6.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,979,266; Nov. 6.
Hood, Andrew, London, England. Construction of "in situ" concrete piles. 1,979,547; Nov. 6.
Horkavi, Michael J., assignor of one-half to W. L. Evans, Gary, Ind. Dispensing apparatus. 1,980,057; Nov. 6.
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,769; Nov. 6.
Horsch, Walter H., Wheaton, assignor to Massey Concrete Products Corporation, Chicago, Ill. Electric vibrator. 1,979,548; Nov. 6.
Hourin, Alton P. B., Camillus, assignor to Camillus Cutlery Company, New York, N. Y. Knife. 1,980,058; Nov. 6.
House, Clifford N., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing and seal therefor. 1,979,388; Nov. 6.
Housen, Morris, Erving, Mass. Paper napkin. 1,980,059; Nov. 6.
Howard, James H., Houston, Tex., assignor to J. H. McEvoy & Company. Pipe engaging slip. 1,979,389; Nov. 6.
Howard, William. (See Trey, S., and Howard.)
Howards & Sons Limited. (See Blagden, J. W., and Huggett, assignors.)
Howe, Henry L., Rochester, N. Y. Method and apparatus for testing bituminous and other mixtures. 1,979,267; Nov. 6.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Shock absorbing means. 1,980,136; Nov. 6.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion-picture-projecting machine. 1,979,800; Nov. 6.
Hubbeling, Johan D. W., assignor to American Enka Corporation, Enka, N. C. Spinning solution and making same. 1,979,268; Nov. 6.
Huber, Eugen. (See Vogt, W., and Huber.)
Hübner, Hanns, Berlin-Lichterfelde, assignor to Carl Lindström Aktiengesellschaft, Berlin, Germany. Electrical reproducer for disk records. 1,980,137; Nov. 6.
Huckel, John F., Kansas City, Mo. Portable refreshment stand. 1,979,549; Nov. 6.
Hudson, Franklin. (See Engel, F. A., Lawrence, and Hudson.)
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Removal of carbonaceous materials from vessels. 1,979,550; Nov. 6.
Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill fluid cleansing means. 1,979,551; Nov. 6.
Huggett, Walter E. (See Blagden, J. W., and Huggett.)
Hughes-Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)
Hughes-Mitchell Processes, Incorporated. (See Sessions, Royal L., assignor.)
Huislander, Ray D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for removing cores from tires. 1,979,552; Nov. 6.
Hunter, Frank B., Indianapolis, Ind. Recreation pool. 1,979,623; Nov. 6.
Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Apparatus for cooling bakery products. 1,979,553; Nov. 6.
Hunter, Thomas M., East Orange, N. J. Rotary welding transformer. 1,979,881; Nov. 6.
Hunter, Thomas M., East Orange, N. J. Rotary welding transformer. 1,979,882; Nov. 6.
Huntington, Edwin C., executor. (See Huntington, Frederick B.)
Huntington, Frederick B., deceased, Mapleton, Oreg., E. C. Huntington, executor. Machine for marking shingles. 1,979,744; Nov. 6.
Huntington, George W., Glencoe, Minn. Cutting and stripping machine for pavement joints and the like. 1,979,554; Nov. 6.
Hutton, Ira F. B. (See Lawrence, W. S., Tuma, and Hutton.)
Hyams, Herbert B., St. Paul, Minn. Merchandise display device. 1,979,883; Nov. 6.
Hyland, Lawrence A. (See Taylor, A. H., Young, and Hyland.)
Hynes, Lee P., Philadelphia, Pa. Electric heater. 1,979,883; Nov. 6.
I. G. Farbenindustrie Aktiengesellschaft. (See Bauer, R., and Mauthe, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., and Mueller-Cunradi, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schladebach, H., and Hahle, assignors.)
I-T-E Circuit Breaker Company. (See Graves, H. C., jr., and Scott, assignors.)
Ideal Machine Company. (See Groset, J. P., and Halset, assignors.)
Ideal Novelty & Toy Co. (See Dunner, Julius, assignor.)
Imperial Chemical Industries Limited. (See Thornley, S., and Twemlow, assignors.)

Ingersoll, Ward H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve operating mechanism. 1,979,690; Nov. 6.
Inland Manufacturing Company. (See Geyer, Harvey D., assignor.)
Inner-Tite Clamp Corporation. (See Engel, Frank A., assignor.)
Inner-Tite Clamp Corporation. (See Engel, F. A., Lawrence, and Hudson, assignors.)
Insulated Steel Construction Company. (See Smith, Robert, jr., assignor.)
Insulite Company, The. (See Ellis, George H., assignor.)
International Patents Development Company. (See Chalmers, George W., assignor.)
International Patents Development Company. (See Glesecke, Fred O., assignor.)
Iowa Fiber Box Company, et al. (See Witte, James G., assignor.)
Ishimura, Lyuho S., Kyoto, Japan. Apparatus for converting lead suboxide to litharge. 1,979,745; Nov. 6.
Israel, Harry, and A. H. Roehr, Dayton, Ohio. Electric insect exterminator. Des. 93,770; Nov. 6.
Jackman, Fred W., Beverly Hills, Calif., assignor to United Research Corporation, Long Island City, N. Y. Sound accompaniment for composite motion pictures. 1,979,937; Nov. 6.
Jackson, James D., Artarmon, near Sydney, New South Wales, Australia. Cooking stove. 1,980,060; Nov. 6.
Jackson, Robert J., Wanganui, New Zealand. Measuring container for powdered and granular substances. 1,980,061; Nov. 6.
Jackson, Walter C., assignor to Tingley-Reliance Rubber Corporation, Rahway, N. J. Cushion and weather strip. 1,979,691; Nov. 6.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,979,938; Nov. 6.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tumbler lock and fitting the same to a predetermined key change. 1,979,939; Nov. 6.
Jacobs, Edward, New York, N. Y. Receptacle for carbonating and dispensing liquids. 1,979,390; Nov. 6.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and its furnace. 1,979,884; Nov. 6.
Jakoubek, Frank J., Elmwood Park, Ill., assignor to Brainard Steel Corporation, Warren, Ohio. Band tightening device. 1,979,555; Nov. 6.
Janeway, Price W., jr., Media, assignor to The United Gas Improvement Company, Philadelphia, Pa. Bolted pipe joint. 1,980,062; Nov. 6.
Janisch, Bride. (See Janisch, Maximillian P., assignor.)
Janisch, Maximillian P., assignor of one-half to B. Janisch, Milwaukee, Wis. Device for relighting gas ranges. 1,979,408; Nov. 6.
Janssens, Peter A., Chicago, Ill. Cake drier. 1,979,940; Nov. 6.
Jarrett, Walter J. (See Grange, Leo O., assignor.)
Jaxheimer, William H. (See Drum, G. E., and Jaxheimer.)
Jenks, Louis W., assignor of one-half to E. Bow, Berkeley, Calif. Carburetor. 1,979,834; Nov. 6.
Jennings, Chester S., Syracuse, N. Y., and F. R. Talsey, Lowell, Mass., assignors to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,979,801; Nov. 6.
Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Emergency valve for vehicle tanks. 1,980,063; Nov. 6.
Jewell, Ira H., Evanston, Ill. Air conditioning and dispensing system. 1,979,941; Nov. 6.
Johnson, Alfred J., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of suspensions. 1,979,469; Nov. 6.
Johnson, Everard L., Patchogue, and H. W. Comfort, Blue Point, N. Y. Flash light operating device. 1,979,942; Nov. 6.
Johnson, Frank W. (See Bishop, O. M., and Johnson.)
Johnson, Paul R., J. Statz, and W. A. Wallsten, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Layout and apparatus for handling wires or strips. 1,980,138; Nov. 6.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,980,064; Nov. 6.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,980,065; Nov. 6.
Johnston, James C., Seattle, Wash., assignor to Gladding McBean & Company. Joining bell and spigot pipe sections. 1,979,470; Nov. 6.
Jones, Charles L., Pelham, and W. H. Fitzpatrick, Jackson Heights, N. Y., assignors, by mesne assignments, to Adico Development Corporation. Apparatus for and method of making solid carbon dioxide. 1,979,556; Nov. 6.
Jones, Clifford C., Washington, D. C. Boundary layer control for airfoils. 1,980,139; Nov. 6.
Jones, Clifford C., Washington, D. C. Boundary layer control for airfoils. 1,980,140; Nov. 6.
Jorgensen, Bernhardt, Beverley, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,979,269; Nov. 6.
Juengling, Karl F., Lakewood, Ohio. Hot gas gate. 1,979,885; Nov. 6.
Jupe, William E. (See Butcher, E. G., and Jupe.)
Jurgs, Emil, et al. (See Felesina, G., and Bellmer, assignors.)
Justheim, Clarence I., Salt Lake City, Utah. Insulated dish. Re19,362; Nov. 6.
Kabushiki Kaisha Sumitomo Seikosko. (See Saito, Seizo, assignor.)
Kahn, Herbert M. (See Morgan, C. W., and Kahn.)
Kales Stamping Company. (See Zink, Fred W., assignor.)
Kaller, William J., Williamsport, assignor of forty-nine percent to G. M. Rieppel, Cowanesque, Pa. Razor blade sharpener. 1,979,271; Nov. 6.
Katzman, Max, Utica, N. Y. Electric vaporizer. Re19,367; Nov. 6.
Katzman, Max, Utica, assignor to Kaz Manufacturing Company, Inc., New York, N. Y. Electric vaporizer. Re19,368; Nov. 6.
Katzman, Max., assignor to Kaz Manufacturing Company, Inc., Utica, N. Y. Electric vaporizer. 1,980,066; Nov. 6.
Kaumagraph Company. (See Lawrence, W. S., Tuma, and Hutton, assignors.)
Kayser, Friedrich. (See Goth, E., Kayser, and Kühn.)
Kaz Manufacturing Company, Inc. (See Katzman, Max, assignor.)
Kehl, Robert J., Bayside, N. Y., assignor to The Linde Air Products Company. Welding apparatus. 1,979,270; Nov. 6.
Keith, James H., Loachapoka, Ala. Railway leveling device. 1,979,886; Nov. 6.
Keller, Karl O., assignor to William Oxford & Sons Limited, Sunderland, England. Reciprocating-crosshead engine. 1,979,557; Nov. 6.
Kelley, George L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method of and apparatus for drawing sheet metal. 1,979,472; Nov. 6.
Kelly, Bernard J. (See Elmer, J., and Kelly.)
Kelsey-Hayes Wheel Company. (See Wagenhorst, James H., assignor.)
Kelsey-Hayes Wheel Corporation. (See Maker, Dewey L., assignor.)
Kelvinator Corporation. (See Knapp, Andrew E., assignor.)
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Kemet Laboratories Company, Inc. (See Cooper, Hugh S., assignor.)
Kenerson, Stanley M., assignor to The Standard Electric Time Company, Springfield, Mass. Signaling system. 1,979,328; Nov. 6.
Kenlit Mfg. Co. (See MacKay, James A., assignor.)
Kenneweg, Christian H., Millvale, Pittsburgh, Pa. Internal combustion engine. 1,979,746; Nov. 6.
Kenneweg, Christian H., Millvale, Pa. Supercharger. 1,979,747; Nov. 6.
Kerotest Manufacturing Company. (See Forbes, John S., assignor.)
Keurvorst, William N., Verdun, Quebec, Canada. Railroad rail supporting structure. 1,979,329; Nov. 6.
Kewanee Safe Company. (See Glidden, Raymond B., assignor.)
Kimmel, George P., Washington, D. C. Spectacle front. Des. 93,771; Nov. 6.
Kimmel, Leslie D., assignor to Bluffton Slaw Cutter Company, Bluffton, Ohio. Manufacturing fruit and vegetable slicers. 1,979,748; Nov. 6.
King, John T., Pampa, Tex. Preventing choking of oil wells and the like. 1,979,558; Nov. 6.
Kinley, Myron M., Tulsa, Okla., assignor to Zero Hour Torpedo Company, Casper, Wyo. Plugging device. 1,979,802; Nov. 6.
Kinzie, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Pressure actuated valve. 1,980,067; Nov. 6.
Klausmeyer, David C., deceased, by H. H. Sundermann, executor, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Column clamp and power feed interlock. 1,979,473; Nov. 6.
Klausmeyer, David C., deceased, by H. H. Sundermann, executor, and T. L. Gibson, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Cartridge type drive gear assembly. 1,979,474; Nov. 6.
Klemgard, Edwin N., Martinez, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Lubricating grease. 1,979,943; Nov. 6.
Kliegl Bros. Universal Electric Stage Lighting Co., Inc. (See Engelken, R. C., and Kliegl, assignors.)
Kliegl, Herbert A. (See Engelken, R. C., and Kliegl.)
Klilx, Alexander H., assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for the uniform distribution of tobacco in the spreader of a cigarette-making machine. 1,979,624; Nov. 6.
Knapp, Andrew E., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerated display case. 1,979,625; Nov. 6.
Knettles, Walter L., Groton, N. Y. Fly book. 1,979,475; Nov. 6.
Knopp, Otto A., Oakland, Calif. Electric heater. 1,979,471; Nov. 6.
Knowles, Dewey D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stroboscopic testing apparatus. 1,979,692; Nov. 6.
Koehring Company. (See Tranaas, Emil L., assignor.)
Köhler, Peter, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Serial Corporation, New York, N. Y. Absorption refrigerating apparatus. 1,979,482; Nov. 6.

Koidl, Thomas, Hoheneggelsen, near Hildesheim, Germany. Manufacturing hollow building blocks, tiles, and bricks. 1,979,626; Nov. 6.
Kold-Hold Manufacturing Company. See Heideman, Frederick, J., assignor.)
Kooperativa Förbundet Förening U. P. A. (See Högfors, Hans F. B., assignor.)
Koppers Company of Delaware, The. (See Hansen, Christian J., assignor.)
Koppers Company of Delaware, The. (See Schöneborn, Heinrich, assignor.)
Koppers Company of Delaware, The. (See Shoeld, Mark, assignor.)
Koppers Company of Delaware, The. (See Sperr, Frederick W. jr., assignor.)
Koppers Company of Delaware, The. (See van Ackeren, Joseph, assignor.)
Kost, Hans, Bergen, Germany, assignor to E. Schniewind, New York, N. Y. Electric-arc welding. 1,979,944; Nov. 6.
Kozak, Henry, Clifton, N. J. Clothesline arrangement. 1,979,627; Nov. 6.
Krahl, Walter L., Montclair, N. J., assignor, by mesne assignments, to Arcturus Development Company. Element structure for electron devices. 1,980,068; Nov. 6.
Kramer, Andrew A., assignor to George D. Beardsley, Kansas City, Mo. Pontoon floating deck for tanks. 1,979,272; Nov. 6.
Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Manure loader and spreader. 1,979,945; Nov. 6.
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament and making the same. 1,979,887; Nov. 6.
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament and making the same. 1,979,888; Nov. 6.
Kränzlein, Georg, and E. Runne, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Hochst, Inc., New York, N. Y. Mono alkyl ethers of 1,4-dihydroxy anthracene. 1,979,628; Nov. 6.
Kraus, Abraham. (See Mittelman, S. J., and Kraus.)
Krauch, Carl, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of tires. 1,979,946; Nov. 6.
Krauch, Carl, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Resilient tire. 1,979,947; Nov. 6.
Kreider, Gideon R., jr., Lebanon, Pa., assignor to Box Blank Corporation, New York, N. Y. Box. 1,979,835; Nov. 6.
Kreig, Eva J., and A. T. Stromertz, San Jose, Calif. Safety emblem. Des. 93,772; Nov. 6.
Kriezer, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Handle or knob for a rheostat or the like. Des. 93,773; Nov. 6.
Kroll, Nathan J. (See Kroll, Samuel and N. J.)
Kroll, Samuel and N. J., Chicago, Ill. Seat. Des. 93,774; Nov. 6.
Kryzer, Benjamin H., Pine City, Minn. Automatic starter. 1,979,836; Nov. 6.
Kühn, Martin. (See Goth, E., Kayser, and Kühn.)
Kühn, Paul, Niederschelden-on-the-Sieg, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Steel and its production. 1,979,629; Nov. 6.
Kuntny, Gregor W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Control apparatus. 1,979,330; Nov. 6.
Kyle, William D. (See Steinmayer, A. G., and Kyle.)
Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Ester of hydroxybenzoic acid. 1,979,559; Nov. 6.
Labaw, Le Roy H., Bellemead, N. J. Pump. 1,979,476; Nov. 6.
Lacto-Yeast Company, Inc. (See Owen, William L., assignor.)
Lamson Company, The. (See Jennings, C. S., and Taisey, assignors.)
Land, Frank S. (See Robertson, Walter S., assignor.)
Lane, Cuthbert C., Little Neck, and G. A. Locke, Glenwood, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph exchange system. 1,979,273; Nov. 6.
Lane, Harold. (See Pratt, J. W., and Lane.)
Lane, Harold. (See Swales, G. P., Roberts, and Lane.)
Lange, Henry, Quincy, Ill. Stove or heater. 1,979,889; Nov. 6.
Lansing, Marie P., administratrix. (See Wilson, William P.)
Larsen, Alfred P., Wentworth, S. Dak. Heated stock waterer. 1,979,749; Nov. 6.
Larsen, Milner E., Bickleton, Wash. High-lift attachment for frameless plows. 1,979,750; Nov. 6.
Lathrop, George A. (See Brodersen, Max M., assignor.)
Lawrence, Frank V. (See Engel, F. A., Lawrence, and Hndson.)
Lawrence, Winthrop S., Rego Park, V. Tuma, Astoria, and I. F. B. Hutton, Woodhaven, assignors to Kaumagraph Company, New York, N. Y. Marking materials. 1,979,331; Nov. 6.
Laybolt, Harry, Brockton, assignor to Plymouth Rubber Company, Inc., Canton, Mass. Shoe sole. 1,979,391; Nov. 6.
Lea, Edward S., Morrisville, Pa., assignor to Fitz Gibbon & Crisp, Inc., Trenton, N. J. Humidifier. 1,979,630; Nov. 6.
Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 1,979,751; Nov. 6.
Leake, Hugh M., Cambridge, England. Seed drill. 1,979,948; Nov. 6.
Lebedeff, Yurii E. (See Betterton, J. O., and Lebedeff.)
Lee Engineering Research Corporation. (See Lee, Royal, assignor.)
Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Motor controlling apparatus. 1,979,890; Nov. 6.
Lee, Walter J., Cuyahoga Falls, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill. Tire. 93,775; Nov. 6.
Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighting device. 1,979,332; Nov. 6.
Leland Electric Company, The. (See Leland, George H., assignor.)
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Sprinkling system. 1,979,477; Nov. 6.
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Boring machine. 1,979,478; Nov. 6.
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Tool controlling device. 1,979,479; Nov. 6.
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Circuit controlling means for an induction motor. 1,979,480; Nov. 6.
LePere, John G., assignor to Williams Sealing Corporation, Decatur, Ill. Closure and seal therefor. 1,979,274; Nov. 6.
Levin, David, New York, N. Y. Shoe buckle or similar article. Des. 93,776; Nov. 6.
Levin, David, New York, N. Y. Shoe. Des. 93,777; Nov. 6.
Levin, David, New York, N. Y. Shoe. Des. 93,778; Nov. 6.
Levine, Abraham, Elizabeth, N. J. Bag lock. 1,979,560; Nov. 6.
Lewin, Arthur, New York, N. Y. Wrapping paper. Des. 93,779; Nov. 6.
Lewis, Arthur P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Friction drive device. 1,979,561; Nov. 6.
Lewis, Barnard J., Brookline, Mass. Process and plate for color printing. 1,980,069; Nov. 6.
Lewis, Morgan J., Massillon, Ohio, assignor to The Code Electric Products Corporation, Philadelphia, Pa. Meter box. 1,979,949; Nov. 6.
Lilienfeld, Julius E., Brooklyn, N. Y. Autoelectronic triode device. 1,979,275; Nov. 6.
Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Cutter device. 1,979,891; Nov. 6.
Linde Air Products Company, The. (See Kehl, Robert J., assignor.)
Lindenberger, Henry, Chicago, Ill. Extractor. 1,979,693; Nov. 6.
Lindstrom, Carl, Aktiengesellschaft. (See Hübner, Hanns, assignor.)
Line Material Company. (See Steinmayer, A. G., and Kyle, assignors.)
Link Belt Company. (See Weiss, Charles R., assignor.)
Liquid Carbonic Corporation. (See Gruetter, John R., assignor.)
Livingston, Charles M., assignor to A. N. Porter, Tulsa, Okla. Straight lift pumping unit. 1,979,803; Nov. 6.
Llewellyn, Ernest R., Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn. Power transmitting apparatus. 1,979,333; Nov. 6.
Locke, George A. (See Lane, C. C., and Locke.)
Lockwood Manufacturing Company, The. (See Young, George G., assignor.)
Loeffler, George, New York, N. Y. Spring suspension seat. 1,979,892; Nov. 6.
Logan, William A., Kinghorn, Fife, Scotland. Mining machine. 1,979,694; Nov. 6.
Lopez, Leonard A., Wilmington, Calif. Raking and picking up tool. 1,979,752; Nov. 6.
Lose, James E., and R. H. Watson, Munhall, Pa. Open-hearth slag utilization. 1,979,753; Nov. 6.
Lotter, Adolph G., assignor to Stationers Loose-Leaf Company, Milwaukee, Wis. Loose leaf binder. 1,979,950; Nov. 6.
Lox Seal Corporation. (See Behrman, Marcus B., assignor.)
Lübcke, Ernst, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Cathode ray tube. 1,979,392; Nov. 6.
Luce, Richard W., Westfield, N. J., assignor to Signal Service Corporation. Mounting for reflector units in signs. 1,979,695; Nov. 6.
Lueck, Henry W., C. H. and U. Davis, Park Ridge, Ill. Safety lamp. 1,979,837; Nov. 6.
Lufkin Foundry & Machine Company. (See Croom, Guy, assignor.)
Lutz, George A., Cranford, N. J., assignor to National Electric Products Corporation, New York, N. Y. Multiple passage wiring duct. 1,979,804; Nov. 6.
Lynch, Theodore L., Huntington Park, H. L. Rilling, Long Beach, and H. A. Redfield, Alhambra; said Redfield assignor to H. R. Staples, Los Angeles, Calif. Device for indicating inclination. 1,979,481; Nov. 6.

Lynn, Clarence, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Commutating brush. 1,979,696; Nov. 6.
Lyon, Carlos E., assignor to G. S. Lyon & Sons Lumber & Mfg. Co., Decatur, Ill. Sash. 1,979,951; Nov. 6.
Lyon, G. S., & Sons Lumber & Mfg. Co. (See Lyon, Carlos E., assignor.)
Lyon Metal Products, Incorporated. (See O'Connor, J. B., and Bales, assignors.)
Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Lock mechanism. 1,979,893; Nov. 6.
Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Butt hinge construction. 1,979,894; Nov. 6.
Lyth John J., Valleyfield, Quebec, Canada. Machine for winding material of ribbon like form into rolls. 1,979,334; Nov. 6.
Mace, Arthur A. (See Bruce, G. A., and Mace.)
MacGregor Instrument Company. (See MacGregor, John, assignor.)
MacGregor, John, Roslindale, assignor to MacGregor Instrument Company, Needham, Mass. Cushion carrying case for syringe outfits and the like. 1,980,141; Nov. 6.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Harvester pick-up. 1,979,974; Nov. 6.
MacKay, James A., Chicago, Ill., assignor to Kenlit Mfg. Co., Medford, Mass. Chair cushion. Des. 93,780; Nov. 6.
Madden William J., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Refrigerator container. 1,980,070; Nov. 6.
Mahle, Ernst, Stuttgart, Germany. Piston. 1,979,335; Nov. 6.
Malden Form Brassiere Co. Inc. (See Rosenthal William, assignor.)
Main, Andrew, assignor, by mesne assignments, to Cleveland Fare Box and Four-Way Lock Co., Cleveland, Ohio. Lock mechanism. 1,979,805; Nov. 6.
Maintenance Equipment Company. (See Bates, Harry B., assignor.)
Maker, Dewey L., Detroit, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation. Hub cap mounting. 1,979,895; Nov. 6.
Manlscalco, Pietro, Chicago, Ill. Heat exchanging device. 1,979,975; Nov. 6.
Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Separation of wax from hydrocarbon oils. 1,980,071; Nov. 6.
Mann, George S., Ipswich, England. Automatic gramophone. 1,979,276; Nov. 6.
Maraniss, Rebecca S., New York, N. Y. Textile fabric or the like. Des. 93,781; Nov. 6.
Marbach, Frank G. (See Sanford, F. W., and Marbach.)
Marguerre, Fritz, Mannheim, Germany. Thermodynamic energy storage method. 1,979,393; Nov. 6.
Maring, Albert, Muskegon, Mich., assignor to Anaconda Wire & Cable Company, New York, N. Y. Annealing furnace. 1,979,697; Nov. 6.
Markatos, Spiros C., New York, N. Y. Hat ironing and finishing machine. 1,979,698; Nov. 6.
Marquart, Norman O. (See Wallis, C. T., and Marquart.)
Marquette Manufacturing Company, Inc. (See Niles, R. B., assignor.)
Marsh, Esli A., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Bag filling apparatus. 1,979,483; Nov. 6.
Marshall Abraham L., Schenectady, N. Y., assignor to General Electric Company. Gas detector. 1,979,976; Nov. 6.
Martin, Jesse C., jr., Los Angeles, Calif., assignor to Walworth Patents Inc., Boston, Mass. Valve and packing. 1,979,977; Nov. 6.
Martin, Patrick A., Birmingham, England. Hand bag and case. 1,979,978; Nov. 6.
Martin, Philip M. (See Rose, Edward, assignor.)
Martin, William M., and J. R. Green, Bozeman, Mont. Display device. 1,979,336; Nov. 6.
Martini, Frederick C., Chicago, Ill. Garden marker. 1,979,979; Nov. 6.
Masdin, Albert J., Sharpsville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Balance coil. 1,979,699; Nov. 6.
Massey Concrete Products Corporation. (See Horsch, Walter H., assignor.)
Mastrangelo, Alphonso. (See Mastrangelo, Frank and A.)
Mastrangelo, Frank and A., Fitchburg, Mass. Settee. Des. 93,782; Nov. 6.
Mastrangelo, Frank and A., Fitchburg, Mass. Settee. Des. 93,783; Nov. 6.
Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Communication system. 1,979,484; Nov. 6.
Mathews, Wallace B., assignor to Standard Oil Company, Chicago, Ill. Blind gasket. 1,979,806; Nov. 6.
Mathieson Alkali Works, Inc., The. (See Tressler, Donald K., assignor.)
Mathis, John H., Company. (See Taylor, George R., assignor.)
Matthiessen, Conrad H., jr., Pasadena, Calif. Detachable spout. 1,979,337; Nov. 6.
Mattson, Carl K., Chicago, Ill. Rope and cable holder. 1,980,072; Nov. 6.
Maurer, Charles C., assignor to Dover Manufacturing Company, Dover, Ohio. Flatiron. 1,979,631; Nov. 6.
Mauthe, Gustav. (See Bauer, R., and Mauthe.)
May, Russell P., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic film threading motion picture machine. 1,979,700; Nov. 6.
McAdams, Henry E., Detroit, Mich. Apparel ornament. 1,979,980; Nov. 6.
McAlister, Norman J., Anderson County, S. C. Protective system. 1,979,754; Nov. 6.
McAlpine, Malcolm, London, England. Lining tunnels, shafts, or the like. 1,979,896; Nov. 6.
McBean, Gladding, & Company. (See Johnston, James C., assignor.)
McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,979,838; Nov. 6.
McClure, Harry B., Visalia, Calif. Fruit picking bag. 1,979,632; Nov. 6.
McDermott, Louis J., San Francisco, Calif. Disinfecting device. 1,979,755; Nov. 6.
McEvoy, J. H., & Company. (See Howard, James H., assignor.)
McKesson, Elmer I., Toledo, Ohio. Breathing therapy apparatus. 1,979,981; Nov. 6.
McLaughlin, Herrold L. (See McLaughlin, Wilson L. and H. L., and Ballou.)
McLaughlin, John W. (See Sniffin, John G., assignor.)
McLaughlin, Wilson L. and H. L., and V. Ballou; said H. L. McLaughlin and said V. Ballou assignors of their entire right to National Pure Water Corporation, Des Moines, Iowa. Steam generator. 1,979,394; Nov. 6.
McLoughlin, Harold F., and F. W. Osborne, Birmingham, England. Electric switch. 1,979,277; Nov. 6.
McMullen, Donald R., assignor to Wright Austin Company, Detroit, Mich. Gauge glass illuminator. 1,979,982; Nov. 6.
McMurtry, Ulysses B., Toronto, Ontario, Canada. Chair. 1,979,278; Nov. 6.
McNamee, Owen A., and C. P. Vaill, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Holding device. 1,979,756; Nov. 6.
McNeil, William M. (See Randel, W. S., Dailey, and McNeil.)
McPartlin, Lloyd J., and H. V. Harding, Detroit, Mich. Rubber safety socket. 1,979,485; Nov. 6.
McShane, Jesse J. (See Healy, S. A., McShane, and Carr.)
Meek, Harold T., St. Louis, Mo. Garment protector. 1,979,983; Nov. 6.
Meier, Christian, et al. (See Felesina, G., and Bellmer, assignors.)
Meinecke, Christian W., East Orange, N. J. Nipple or the like. Des. 93,784; Nov. 6.
Meinecke, Christian W., East Orange, N. J. Bottle cap. Des. 93,785; Nov. 6.
Melcher, John P., Pittsburgh, and W. D. Cappe, Glenshaw, assignors to Pittsburgh Valve, Foundry and Construction Company, Pittsburgh, Pa. Machine fixture. 1,979,897; Nov. 6.
Mellon, Robert. (See Cassity, Charles B., assignor.)
Mélot, Henri F., Montrouge, France. Liquid fuel burner. 1,979,757; Nov. 6.
Melvin, John H., Rochester, N. Y. Spark plug wrench. 1,980,073; Nov. 6.
Mergenthaler Linotype Company. (See Stouges, Anthony J., assignor.)
Merrimac Chemical Company, Inc. (See Wilson, William S., assignor.)
Merritt, Ericsson H., Lockport, N. Y. Coating apparatus. 1,979,758; Nov. 6.
Merryweather, Clyde, Cuyahoga Falls, Ohio. Plastering base. 1,979,701; Nov. 6.
Mertens, Paul, Newark, N. J. Combination finger ring and ornamental pin. 1,979,702; Nov. 6.
Metropolitan Engineering Company. (See Smith, Albert A., assignor.)
Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 1,979,633; Nov. 6.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Milani, Edward, San Francisco, Calif. Shipping receptacle. 1,979,759; Nov. 6.
Miller, Albert, Mondovi, Wis. Corn planter attachment. 1,980,074; Nov. 6.
Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
Minard, Wheeler, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,979,395; Nov. 6.
Miner, W. H., Inc. (See Dath, Charles E., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Miner, W. H., Inc. (See Robertson, William E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Ingersoll, Ward H., assignor.)
Mischke, Karl, Zurich, Switzerland, assignor to Dürkopp-Werke A.-G., Bielefeld, Germany. Stretching and cutting device on machines for pulling out threads. 1,979,396; Nov. 6.
Misonne, Léonard, Gilly, Belgium. Photographic apparatus. 1,979,397; Nov. 6.
Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Treating ore materials. 1,979,279; Nov. 6.
Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ore materials. 1,979,280; Nov. 6.

Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ores. 1,979,281; Nov. 6.
Mitteiman, Samuel J., and A. Kraus, New York, N. Y. Watchcase. 1,979,338; Nov. 6.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Ornamental initial and insignia device. 1,980,075; Nov. 6.
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Moomaw, Lewis H., Wilmette, Ill. Motion-picture camera. 1,979,984; Nov. 6.
Moone, Albert E. F., Wilmington, assignor to Orenda Corporation, Chicago, Ill. Apparatus for making liners. 1,979,985; Nov. 6.
Mooney, Melvin, Chicago, Ill. Speed regulator and the like. 1,979,398; Nov. 6.
Morgan, Charles W., Chicago, Ill., and H. M. Kahn, Appleton, Wis. Toy. 1,980,076; Nov. 6.
Morgan, Erving B., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 1,979,562; Nov. 6.
Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Chair seat. 1,979,563; Nov. 6.
Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Desk. 1,979,564; Nov. 6.
Morgen, Ralph A., Kansas City, Mo. Dry-cleaning process. 1,979,399; Nov. 6.
Morgenstern, Charles E., assignor to Robbins & Myers, Inc., Springfield, Ohio. Safety device. 1,979,839; Nov. 6.
Moritz, Adrian J. L., Buncombe County, assignor to American Enka Corporation, Enka, N. C. Method and apparatus for spooling artificial silk. 1,979,898; Nov. 6.
Mork, Harry S., Brookline, Mass. Cellulosic composition. 1,979,986; Nov. 6.
Morrell, Jacque C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,979,565; Nov. 6.
Morse, Reginald K., Clackamas County, Oreg. Collapsible bed. 1,979,566; Nov. 6.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Mudon, Thomas J., assignor to Circo Products Corporation, Chicago, Ill. Sign flasher. 1,979,807; Nov. 6.
Mueller Co. (See Groeniger, William C., assignor.)
Mueller Co. (See Mueller, Frank H., assignor.)
Mueller-Cunradi, Martin. (See Krauch, C., and Mueller-Cunradi.)
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Pipe or rod coupling and joint. 1,979,760; Nov. 6.
Mullin, Bernard C., Detroit, Mich. Crank and connecting rod connection. 1,979,987; Nov. 6.
Mullin, Margaret, New York, N. Y. Shoe. Des. 93,786; Nov. 6.
Multigraph Company. (See Osborn, Henry C., assignor.)
Munford, Theodore W., assignor to Surface Combustion Corporation, Toledo, Ohio. Recuperator. 1,980,077; Nov. 6.
Munroe, Frederic L., assignor to Armstrong Cork Company, Lancaster, Pa. Brake band. 1,979,988; Nov. 6.
Murphy, David F. (See Schneider, S., and Murphy.)
Murray Corporation of America, The. (See Widman, Charles H., assignor.)
Mussbach, Ernst, New York, N. Y. Window attachment. 1,979,808; Nov. 6.
Myers, Myron L., Elizabeth, N. J., assignor to United Dry Docks, Incorporated, New York, N. Y. Coating metallic objects. 1,979,486; Nov. 6.
N. V. Philips, Gloielampenfabrieken. (See Vingerhoets, Antonius W., assignor.)
National Aniline & Chemical Company, Inc. (See Wood, Robert O., assignor.)
National Automatic Tool Company, The. (See Schafer, Robert A., assignor.)
National Electric Products Corporation. (See Lutz, George A., assignor.)
National Paper Can Company. (See Frostad, George O., assignor.)
National Pneumatic Company. (See Parvin, Edward G., assignor.)
National Pure Water Corporation. (See McLaughlin, Wilson L. and H. L., and Ballou, assignors.)
National Tube Company. (See Bark, W., and Waterman, assignors.)
National Tube Company. (See Burge, A., and Shelton, assignors.)
National Washboard Company. (See Gilbert, Charles T., assignor.)
Neilon, Patrick J., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Distributing piping for sprinkler systems. 1,979,400; Nov. 6.
Neilsen, Karl K., assignor to Alcor Manufacturing Company, Chicago, Ill. Candle socket. 1,979,339; Nov. 6.
Nelson, Arvid, Jamestown, N. Y. Toilet seat cover. 1,979,634; Nov. 6.
Nelson, Hans A., Exira, Iowa. Scoop board for vehicle boxes. 1,979,401; Nov. 6.
Nelson, John, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,980,078; Nov. 6.
Nero, Arvid H., West Hartford assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric lamp socket. 1,980,079; Nov. 6.
Neuman, Fred A., Lansing, assignor to General Motors Corporation, Detroit, Mich. Painting mask for wheels. 1,979,989; Nov. 6.
Newman, Charles, Elizabeth, N. J. Razor blade honing and stropping device. 1,979,282; Nov. 6.
Newton, Harry W., Chicago, Ill., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Filter cake discharge. 1,979,990; Nov. 6.
Newton, Harry W., Chicago, Ill., and R. S. Butler, Los Angeles, Calif., assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Method and apparatus for forming, compacting, and discharging filter cake. 1,979,991; Nov. 6.
Newton, Ray F., Corvallis, Oreg. Luggage rack and tire carrier. 1,979,809; Nov. 6.
Nichols John M., Hempstead, N. Y. Binder. 1,979,900; Nov. 6.
Nicholson, Carl M., New York, N. Y. Folding rule. 1,979,567; Nov. 6.
Niles, RB, Minneapolis, assignor to Marquette Manufacturing Company, Inc., St. Paul, Minn. Adjustable connecter. 1,980,080; Nov. 6.
Nolte, Albert C. (See Filipowicz, John assignor.)
Norbom, Einar B., Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,979,761; Nov. 6.
Nordberg Manufacturing Co. (See Newton, Harry W., assignor.)
Nordberg Manufacturing Co. (See Newton, H. W., and Butler, assignors.)
Norman, Earl E., Kalamazoo, Mich. Valve operating mechanism. 1,979,340; Nov. 6.
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Novick, Abraham. (See Young, M. S., and Novick.)
Nu-Wa Service Company. (See Vaughn, William H., assignor.)
Nye Tool & Machine Works, The. (See Lilleberg, Tideman M., assignor.)
Nygren, Gustaf B., Krylbo, Sweden. Musical instrument. 1,979,635; Nov. 6.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Concentric shield for cables. 1,979,402; Nov. 6.
O'Brien, Robert J., and A. A. Rubin, Newark, N. J. Diaper and the like. 1,980,899; Nov. 6.
O'Connor, John B., and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Folding table. 1,979,568; Nov. 6.
Offer, Samuel. (See Sabik, G., and Offer.)
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating device using copper oxide rectifiers. 1,980,142; Nov. 6.
Oil-Elec-Tric Engineering Corporation. (See Sigwald, Charles G., assignor.)
O'Kane, Robert G., and E. R. Derby, Springfield, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Finishing sheet pyroxylin. 1,979,762; Nov. 6.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Insulation for doors. 1,979,636; Nov. 6.
Olsen, Fredrich, Alton, Ill., assignor, by mesne assignments, to The Cellulose Research Corporation. Preparing cellulose. 1,979,341; Nov. 6.
Olson, Andrew, Port Allegheny, Pa. Bottle transfer apparatus. 1,979,763; Nov. 6.
Olson, John, St. Paul, Minn. Laminated paper container. 1,979,992; Nov. 6.
O'Neill, James J., Oakland, Calif. Piston ring sizing machine. 1,979,637; Nov. 6.
Ontario Manufacturing Company. (See Downs, Marwood A., assignor.)
Orenda Corporation. (See Foone, Albert E. F., assignor.)
Orton, Julian R., Cincinnati, and E. W. Fuerst, Toledo, assignors to The Tom Collins Corporation, Cincinnati, Ohio. Bottle. Des. 93,787; Nov. 6.
Osborn, Henry C., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Accounting system. 1,979,283; Nov. 6.
Osborne, Frank W. (See McLoughlin, H. F., and Osborne.)
Ostermann, Walter, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Production of artificial silk. 1,979,403; Nov. 6.
Ott, Oran W., Los Angeles, and A. J. Smithers, Alhambra, assignors to Pacific Pipe & Supply Company, Los Angeles, Calif. Water heater. Re19,363; Nov. 6.
Ovington, Edward J., Auburndale, assignor of one-half to C. L. Dawes, Cambridge, Mass. Bearing. 1,980,081; Nov. 6.
Ovington, Edward J., Auburndale, assignor of one-half to C. L. Dawes, Cambridge, Mass. Making bearings. 1,980,082; Nov. 6.
Owen, William Lindwell, assignor to Lacto-Yeast Company, Inc., Baton Rouge, La. Preparation of acidophilus products. 1,980,083; Nov. 6.
Pacific Flush Tank Company. (See Beddoes, H., and Schlenz, assignors.)
Pacific Lumber Company, The. (See Carson, Francis L., assignor.)
Pacific Pipe & Supply Company. (See Ott, O. W., and Smithers, assignors.)
Palmer, Robert K. (See Cushing, W. W., and Palmer.)
Parker, Howard W., Park Ridge, assignor to The E. H. Wachs Company, Chicago, Ill. Pumping device. 1,979,342; Nov. 6.
Parkyn, W. B. (See Andresen, George, assignor.)
Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of distribution. 1,979,703; Nov. 6.

Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-operating apparatus. 1,979,569; Nov. 6.
Patent and Licensing Corporation, The. (See Beckman, B. C., and Hofmann, assignors.)
Paterson, Thomas W., Allerton, Liverpool, England. Hydraulic transmission of power. 1,979,570; Nov. 6.
Patterson, Grier D. (See Chapline, Jacob B., assignor.)
Pautler, Ray W., St. Louis, Mo. Safety razor. 1,979,404; Nov. 6.
Pawsat, Ruben L., Maysville, Ky., assignor to Wald Manufacturing Company. Device for compressing piston rings and cleaning grooves. 1,979,767; Nov. 6.
Payne, Louis G., Dayton, Washington. Lock and container. 1,979,405; Nov. 6.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread extractor for weft replenishing looms. 1,979,764; Nov. 6.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 1,979,765; Nov. 6.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Inertia-actuated weft detector. 1,979,766; Nov. 6.
Peabody, James A., Evanston, Ill., assignor to General Railway Signal Company, Rochester, N. Y. Power-operated lock for spring switches. 1,980,084; Nov. 6.
Pearce, John W. B., Toledo, Ohio. Double universal joint. 1,979,768; Nov. 6.
Peck, Frank G., New Haven, Conn. Container setting-up machine. 1,979,993; Nov. 6.
Peck, William H., Scarsdale, N. Y. Television apparatus. 1,979,840; Nov. 6.
Pedersen, Ingvald O., Pittsburgh, assignor to C. P. Byrnes, Sewickley, Pa., as trustee. Drawing bell and spigot-type pipe. 1,979,571; Nov. 6.
Pedersen, Ingvald O., Wilkinsburg, Pa., and E. G. Stahle, Lumberport, W. Va. Forming glass receptacles and article produced thereby. 1,979,572; Nov. 6.
Pedersen, Ingvald O., Pittsburgh, Pa., and E. G. Stahle, Lumberport, W. Va., assignors to C. P. Byrnes, trustee, Sewickley, Pa. Glass article. 1,979,573; Nov. 6.
Pedersen, John A., Brooklyn, N. Y., assignor to J. A. Roebling's Sons Company, Trenton, N. J. Cable cutting and stripping tool. 1,979,487; Nov. 6.
Pehrsson, Sven J., assignor to The Colson Company, Elyria, Ohio. Bag truck. 1,979,406; Nov. 6.
Pennsylvania Railroad Company, The. (See Madden, William J., assignor.)
Pérez, Horacio E., New York, N. Y. Automatic pneumatic gear shift. 1,979,488; Nov. 6.
Perfection Stove Company. (See Chadwick, L. S., and Dahlstrom, assignors.)
Periesz, Hugo, assignor to Burton-Dixie Corporation, Chicago, Ill. Worktable. 1,979,901; Nov. 6.
Periesz, Hugo, assignor to Burton-Dixie Corporation, Chicago, Ill. Automatic sewing machine. 1,980,001; Nov. 6.
Perry, Joseph A., Swarthmore, and E. J. Brady, deceased, Lansdowne; A. S. Brady, administratrix, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas pilot control. 1,980,085; Nov. 6.
Perugia, Andre, Paris, France. Shoe. Des. 93,788; Nov. 6.
Perugia, Andre, Paris, France. Shoe. Des. 93,789; Nov. 6.
Peters, William L., D. R. Feemster, and W. H. Schomburg, assignors to The Bingham Stamping & Tool Company, Toledo, Ohio. Forming hollow articles. 1,980,143; Nov. 6.
Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter. 1,979,810; Nov. 6.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Oscillation generation. 1,979,994; Nov. 6.
Peterson, Oscar. (See Brune, S. O., and Peterson.)
Peterson, Oscar W., Wollaston, Mass., assignor to Providence Braid Company, Pawtucket, R. I. Sewing thread. 1,979,343; Nov. 6.
Pfeil, Arthur, assignor to Red Arrow Electric Corporation, Irvington, N. J. Constant current transformer. 1,979,769; Nov. 6.
Pfitzer, Emil, Berlin-Kopenick, Germany, assignor to General Electric Company. Insulation. 1,979,995; Nov. 6.
Phelps, Alva W. (See Baker, R. W., Holmes, and Phelps.)
Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,790; Nov. 6.
Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,791; Nov. 6.
Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,792; Nov. 6.
Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,793; Nov. 6.
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,979,638; Nov. 6.
Phillips, William M., Birmingham, and G. M. Cole, assignors to General Motors Corporation, Detroit, Mich. Electroplating process. 1,979,996; Nov. 6.
Pieper, Oscar H., Rochester, N. Y. X-ray machine. 1,979,997; Nov. 6.
Pier, Mathias, Heidelberg, and F. Ringer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Non-knocking motor fuel. 1,979,841; Nov. 6.
Pike, Theodore F., Minneapolis, assignor to Water Level Controls Company, St. Paul, Minn. Hydropneumatic control apparatus. 1,979,407; Nov. 6.
Pines Winterfront Company. (See Petersen, Edgar G., assignor.)
Pipe Bakeries, Inc. (See Birkenhauer, Frederick W., assignor.)
Pittsburgh Valve, Foundry, and Construction Company. (See Melcher, John P., and Cappe, assignors.)
Ple, Andre. (See Amann, P., and Ple.)
Plymouth Rubber Company, Inc. (See Laybolt, Harry, assignor.)
Polister, Edward B., assignor to Busch-Sulzer Bros. Diesel Engine Company, St. Louis, Mo. Two-cycle engine scavenging and charging. 1,979,770; Nov. 6.
Porter, Albert N. (See Livingston, Charles M., assignor.)
Pote, Henry J., Swampscott, Mass. Shoe fastener. 1,980,086; Nov. 6.
Potter, Howard M., Youngstown, Ohio. Floral basket. 1,979,771; Nov. 6.
Potter, Thomas I. (See Potter, T. I., and Carlson, assignors.)
Potter, Thomas I., and A. E. Carlson, assignors to T. I. Potter, Buffalo, N. Y. Sanitary shelf. 1,979,902; Nov. 6.
Power, Thomas J., Milwaukee, Wis., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Clothes washing machine. 1,979,408; Nov. 6.
Pratt, John W., and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,979,409; Nov. 6.
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain and bit therefor. 1,979,344; Nov. 6.
Pressman, Jack, New York, N. Y. Game. 1,979,345; Nov. 6.
Press- und Walzwerk Aktiengesellschaft, et al. (See Smith, Sydney, assignor.)
Price, David R., Swampscott, Mass, assignor to General Electric Company. Telemetering method and apparatus. 1,979,998; Nov. 6.
Price, Harold W., Toronto, Ontario, Canada, assignor, by mesne assignments, to Robertshaw Thermostat Company, Youngwood, Pa. Thermostatic gas control. Re19,364; Nov. 6.
Priest, William C., Davenport, Iowa. Lens grinding machine. 1,979,489; Nov. 6.
Prosperity Company Inc., The. (See Davis, Ernest, assignor.)
Prosperity Company Inc., The. (See Winnewisser, Emil A., assignor.)
Providence Braid Company. (See Peterson, Oscar W., assignor.)
Quaker City Iron Works. (See Jensen, James A., assignor.)
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug for high compression engines. 1,979,999; Nov. 6.
Radio Corporation of America. (See Hansell, Clarence A., assignor.)
Radio Corporation of America. (See Mathes, Richard E., assignor.)
Radio Corporation of America. (See May, Russell P., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Spangler, Frank, assignor.)
Radio Corporation of America. (See Tholstrup, Henry, assignor.)
Radio Corporation of America. (See Umbreit, Stanton, assignor.)
Radio Inventions, Inc. (See Donle, Harold P., assignor.)
Ragan, Frederick H. (See Turner, R. J., and Ragan.)
Ragatz, Edward G. (See Rebber, L. L., Crossfield, and Ragatz.)
Randall, Edward C. (See Watkin, A. P. J., and Winter, assignors.)
Randel, Wilbur S., M. C. Dailey, and W. M. McNeil, assignors to United States Gypsum Company, Chicago, Ill. Producing high strength calcined gypsum. 1,979,704; Nov. 6.
Rape, Floyd. (See Fox, A. S., and Rape.)
Rappolt, Herman G., New York, N. Y., and L. B. Case, Highland Park, N. J. Method and apparatus for coating and drying materials. 1,979,346; Nov. 6.
Rast, Julius H., Charleston, S. C. Detachable tool handle. 1,980,087; Nov. 6.
Rauch, Charles F., St. Louis, Mo. A metal chair or similar article. Des. 93,794; Nov. 6.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Airplane gasoline gauge. 1,979,705; Nov. 6.
Raynor, Arthur H. (See Clark, Charles, assignor.)
Reading Hardware Corporation. (See Lyons, Arthur G., assignor.)
Reamy, Christopher S., Los Angeles, Calif. Can cover. 1,979,706; Nov. 6.
Reardon, Harvey J., Chicago, Ill. Duplicating device. 1,979,811; Nov. 6.
Rebber, Leland L., San Pedro, A. S. Crossfield, Wilmington, and E. G. Ragatz, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for heating and cracking oil. 1,979,639; Nov. 6.
Red Arrow Electric Corporation. (See Pfeil, Arthur, assignor.)

Redfield, Howard A. (See Lynch, T. L., Rilling, and Redfield.)
Redler, Arnold, Sharpness, England, assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 1,980,088; Nov. 6.
Redler Conveyer Company. (See Redler, Arnold, assignor.)
Reece Folding Machine Company. (See Dixon, Walter L., assignor.)
Reed, Charles L., Corning, N. Y. Antiskid device. 1,979,772; Nov. 6.
Reese, Anabel H., assignor of one-half to L. J. White, Petersburg, Va. Warmer for nursing bottles. 1,979,666; Nov. 6.
Reichert, Paul F. (See Hauser, T. E., and Reichert.)
Reimers, Alfred E., Harrington Park, N. J. Sadiron. 1,979,574; Nov. 6.
Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric machine. 1,979,812; Nov. 6.
Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Rotor for magnetos. 1,979,813; Nov. 6.
Rice, Edward, jr., New York, N. Y. Refrigeration. 1,980,089; Nov. 6.
Rieppel, George M. (See Koller, William J., assignor.)
Rilling, Harry L. (See Lynch, T. L., Rilling, and Redfield.)
Ringer, Friedrich. (See Pier, M., and Ringer.)
Ritch, Nell, San Antonio, Tex. Pencil holder. 1,979,773; Nov. 6.
Rivera, Antonio, Mexico D. F., Mexico. Receptacle for liquids. 1,979,903; Nov. 6.
Robbins & Myers, Inc. (See Morgenstern, Charles E., assignor.)
Roberts, Caudius H. M., Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,979,347; Nov. 6.
Roberts, Cushman & Company. (See Roberts, Edward, jr., assignor.)
Roberts, Edward, jr., Hohokus, N. J., assignor to Roberts, Cushman & Company, New York, N. Y. Marking, printing, and embossing machine. 1,979,640; Nov. 6.
Roberts, Mason M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,979,842; Nov. 6.
Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster construction. 1,979,904; Nov. 6.
Roberts, William T. B. (See Swales, G. P., Roberts, and Lane.)
Robertshaw Thermostat Company. (See Price, Harold W., assignor.)
Robertson, John, Oakland, Calif. Package-opening device. 1,979,641; Nov. 6.
Robertson, Robert R., Chicago Heights, Ill. Bar support. 1,979,410; Nov. 6.
Robertson, Walter S., Attleboro, Mass., assignor to F. S. Land, Kansas City, Mo. Brooch. Des. 93,795; Nov. 6.
Robertson, William E., Wilmette, assignor to W. H. Miner, Inc., Chicago, Ill. Insulating means. 1,979,490; Nov 6.
Rockwell, Edward A., Long Island City, N. Y. Impulse fuel feeding device. 1,980,090; Nov. 6.
Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,980,091; Nov. 6.
Rocus, Florence E., Santa Barbara, Calif. Kitchen novelty mald. Des. 93,796; Nov. 6.
Roebling's, John A., Sons Company. (See Pedersen, John A., assignor.)
Roehr, Alexander H. (See Israel, Harry, and Roehr.)
Roethel, John H., Detroit, Mich. Window regulator, Re19,365; Nov. 6.
Rogerson, Joseph, assignor to Arderne, Scott, Thesen Limited, Woodstock, Cape Town, Union of South Africa. Process and apparatus for the manufacture of mouldings and shaped sections from fiber boards, wood pulp boards, crushed cane boards, beaver boards, and the like. 1,979,905; Nov. 6.
Rood, Warren B., Detroit, Mich., assignor to Herron-Zimmers Moulding Company. Tire band. 1,979,575; Nov. 6.
Roos, Edward, River Forest, Ill. Collapsible table. 1,979,843; Nov. 6.
Rose, Edward, Greenwich, assignor to Philip Milton Martin, Stamford, Conn. Trimming shears. 1,980,092; Nov. 6.
Rosenberg, Herman, New York, N. Y. Anchorage device. 1,980,093; Nov. 6.
Rosenthal, William, assignor to Malden Form Brassiere Co. Inc., New York, N. Y. Brassière. 1,979,576; Nov. 6.
Rossiter, Edwin Ralph, Sydney, New South Wales, Australia. Bottle closure can releasing means and cups associated therewith. 1,980,094; Nov. 6.
Rossman, Edwin F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 1,979,401; Nov. 6.
Rouenville, Herbert, Copenhagen, Denmark. Amusement device. 1,979,844; Nov. 6.
Rovere, Lewis H., Brooklyn, N. Y., and P. H. Estes, Rutherford, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Electrical protective system. 1,979,284; Nov. 6.
Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Alarm for fire extinguishing systems. 1,980,095; Nov. 6.
Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Control valve. 1,980,096; Nov. 6.
Royal Typewriter Company, Inc. (See Hess, Edward B., assignor.)
Rubin, Abraham A. (See O'Brien, R. J., and Rubin.)
Ruddles, George F., Chicago, Ill. Motor fuel lubricating and antiknock materials. 1,980,097; Nov. 6.
Ruggles-Klingemann Mfg. Co. (See Tobin, Arthur L., assignor.)
Runne, Ernst. (See Kranzlein, G., and Runne.)
Russell, John, Sydney, New South Wales, Australia, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Method of and apparatus for filling bags with powdered or granular products. 1,979,492; Nov. 6.
Russell, Robert C., Dallas, Tex. Valve-operating mechanism. 1,979,348; Nov. 6.
Rutledge, Marcus J., Los Angeles, Calif. Ironing board. 1,980,098; Nov. 6.
Ryan, George E., Germantown, Tenn. Oil press. 1,980,000; Nov. 6.
Rydbeck, Patrik S., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller bushing. 1,979,707; Nov. 6.
Rystrom, Charles H., et al. (See Wahlmark, Gunnar A., assignor.)
Sabik, George, Western Springs, and S. Offer, assignors to U. S. Duplicator Company, Chicago, Ill. Duplicating machine. 1,979,285; Nov. 6.
Sahlberg, Rolf K. O., New York, N. Y. Beam. 1,979,642; Nov. 6.
Sahlberg, Rolf K. O., New York, N. Y. Composite beam. 1,979,643; Nov. 6.
St. Regis Paper Company. (See Marsh, Esli A., assignor.)
St. Regis Paper Company. (See Russell, John, assignor.)
Saito, Seizo, Toyonaka-cho, assignor to Kabushiki Kaisha Sumitomo Seiskosko, Konohana-ku Osaka, Japan. Brake apparatus for a wheel. 1,979,644; Nov. 6.
Saito, Seizo, Toyonaka-Cho, assignor to Kabushiki Kaisha Sumitomo Seikosko, Konohana-ku, Osaka, Japan. Brake apparatus for a wheel. 1,979,906; Nov. 6.
Salvio, Salvatore R., New York, N. Y. Dental impression form. 1,979,493; Nov. 6.
Samcoe Holding Corporation. (See Baker, Harry L., assignor.)
Sands, Henry F., Warwick, R. I. Soap bar. 1,979,411; Nov. 6.
Sanford, Frank W., and F. G. Marbach, assignors to K. Gund, Cleveland, Ohio. Meat-tendering machine. 1,979,494; Nov. 6.
Sanford, John W., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor. 1,979,286; Nov. 6.
Sanite Corporation. (See Whitehouse, John N., assignor.)
Savidge, Evan P., Los Angeles, Calif. Aircraft. 1,980,002; Nov. 6.
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley frog. 1,979,708; Nov. 6.
Schacht, William F., Huntington, Ind. Obstruction remover for sink drains and the like. 1,980,099; Nov. 6.
Schaelchlin, Walter, Wilkinsburg, and E. Frisch, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Time limit contactor. 1,979,709; Nov. 6.
Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Dual control for hydraulic transmission. 1,979,710; Nov. 6.
Schallis, Charles A., Lincoln Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Automatic toaster. 1,979,845; Nov. 6.
Scheiber, Johannes, Leipzig, Germany. Manufacture of varnishes and the like. 1,979,495; Nov. 6.
Schilbach, Gustav, Cannstatt, assignor to firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Device for closing filled bags. 1,979,496; Nov. 6.
Schladebach, Hermann, Dessau in Anhalt, and H. Hähle, Dessau-Ziebigk in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Coating preparation. 1,979,645; Nov. 6.
Schlenz, Harry E. (See Beddoes, H., and Schlenz.)
Schlienz, Hans. (See Bickelhaupt, A., and Schlienz.)
Schlumberger, Conrad, assignor to Societe de Prospection Electrique, Procedes Schlumberger, Paris, France. Electromagnetic process for surveying the deviations of drill holes. 1,980,100; Nov. 6.
Schmelzer, Albert. (See Ballauf, F., and Schmelzer.)
Schmid, Albert P. (See Kranz, P., and Schmid.)
Schmidinger, Joseph, Long Island City, N. Y. Flasher. 1,979,349; Nov. 6.
Schmieske, Carl. (See Bauer, G., and Schmieske.)
Schmittgen, William A., assignor to The General Industries Company, Elyria, Ohio. Support for phonograph turntables. 1,979,350; Nov. 6.
Schnakenberg, Henry, Honesdale, Pa. Emergency brake lever. 1,979,907; Nov. 6.
Schneider, Adolph F., Allentown, Pa. Head-down persuader. 1,980,101; Nov. 6.
Schneider, Hermann. (See Straub, F., and Schneider.)
Schneider, Samuel A., Washington, D. C. Clothes banger. 1,979,646; Nov. 6.
Schneider, Simon, and D. F. Murphy, Oakland, Calif. Lock for door traps and the like. 1,979,497; Nov. 6.

Schneiderwirth, Herman J., New York, N. Y. 3,6 diamino 2-alkyl pyridine and producing the same. 1,979,351; Nov. 6.
Schniewind, Ewald. (See Kost, Hans, assignor.)
Schofield, Wilfred C., assignor to Freyn Engineering Company, Chicago, Ill. Locking cap. 1,980,003; Nov. 6.
Schomburg, William H. (See Peters, W. L., Feemster, and Schomburg.)
Schöneborn, Heinrich, Kettwig-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Recovery of benzol and its homologues from solvents. 1,980,009; Nov. 6.
Schramm, Albert A., Chicago, Ill. Stepladder. 1,980,004; Nov. 6.
Schuller, Alfred L., Upper Montclair, N. J., assignor to Easton Car & Manufacturing Company, Easton, Pa. Vehicle coupler. 1,979,908; Nov. 6.
Schulz, Herbert, Berlin, Germany. Continuously operating centrifugal machine. 1,979,909; Nov. 6.
Schwarz, Philipp, Wuppertal-Barmen, Germany. Spool or bobbin for roll films. 1,979,412; Nov. 6.
Schwarz, Richard E. (See Shoemaker, J. J., and Schwarz.)
Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Cathode control. 1,979,352; Nov. 6.
Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Valve. 1,979,910; Nov. 6.
Scott, William M., jr. (See Graves, H. C., jr., and Scott.)
Scott & Williams, Incorporated. (See Shuford, G. W., Childres, and Christian, assignors.)
Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
Scovill Manufacturing Company. (See Wayne, Glenn H., assignor.)
Scoville, George L., Hamilton, Ohio, assignor to F. Greschel, Lakeland, Fla. Mail dispenser. 1,979,774; Nov. 6.
Sears, Roebuck and Co. (See Lee, Walter J., assignor.)
Seeger, Gustave R. (See Seeger, Walter G. and G. R.)
Seeger Refrigerator Company. (See Seeger, Walter G. and G. R., assignors.)
Seeger, Walter G. and G. R., assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator closure. 1,980,005; Nov. 6.
Seft, Rudolph R., Brackenridge, Pa. Shear guide. 1,979,413; Nov. 6.
Seguin, Oscar J. (See Flanagan, George P., assignor.)
Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacturing secondary aromatic amines. 1,980,102; Nov. 6.
Sergeant, Charles H., deceased, Long Island City; D. B. Sergeant, administratrix. Internal combustion engine. 1,979,711; Nov. 6.
Sergeant, Dorothea, administratrix. (See Sergeant, Charles H.)
Sessions, Royal L., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ore material. 1,979,287; Nov. 6.
Service Station Equipment Company. (See Woodford, Joseph C., assignor.)
Seybold, Frederick W., Dayton, assignor to Harris, Seybold, Potter Company, Cleveland, Ohio. Knife grinder. 1,979,775; Nov. 6.
Shell Development Company. (See Klemgard, Edwin N., assignor.)
Shell Development Company. (See Young, Edwin H. P., assignor.)
Shelton, James T. (See Burge, A., and Shelton.)
Shields, William S., Evanston, Ill. Handling sewage sludge. 1,979,647; Nov. 6.
Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Recovery of benzol and its homologues from solvents. 1,980,009; Nov. 6.
Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Recovering ammonia from gas by contact with acid phosphate. 1,980,006; Nov. 6.
Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Removing ammonia from gases. 1,980,007; Nov. 6.
Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Manufacture of fertilizers. 1,980,008; Nov. 6.
Shoemaker, Joseph J., Clawson, and R. E. Schwarz, Royal Oak, Mich. Group feed distribution system. 1,979,353; Nov. 6.
Short, Charles R., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Composite piston. 1,979,498; Nov. 6.
Shuford, Gale W., B. F. Childres, and F. Christian, Drexel, N. C., assignors to Scott & Williams, Incorporated, New York, N. Y. Stop motion device. 1,980,103; Nov. 6.
Siemens & Halske Aktiengesellschaft. (See Lübcke, Ernst, assignor.)
Siena, Salvatore U., and B. M. Arth, assignors, by mesne assignments, to Ball-Rite Valve Company, Cleveland, Ohio. Valve construction. 1,980,144; Nov. 6.
Signal Service Corporation. (See Luce, Richard W., assignor.)
Sigwald, Charles G., assignor to Oil-Elec-Tric Engineering Corporation, Minneapolis, Minn. Oil burner air diffuser. 1,979,577; Nov. 6.
Silverspitz, Morris, Brooklyn, N. Y. Fishing tackle case. 1,980,104; Nov. 6.
Simmons, Kate, Wichita Falls, Tex. Protective mat for drawers. 1,979,578; Nov. 6.
Singer Manufacturing Company, The. (See Stempelin, Ralph, assignor.)
Sirian Lamp Company. (See Braselton, Chester H., assignor.)
Skipsey, Allon, St. Albans, England. Vulcanization of caoutchouc. 1,979,499; Nov. 6.
Sloane-Blabon Corporation. (See Elmer, J. and Kelly, assignors.)
Sloane, James R. (See Conklin, Bruce, assignor.)
Smidth, F. L., & Co. (See Fasting, Johan S., assignor.)
Smith, Albert A., Riverdale, N. J., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding. 1,979,712; Nov. 6.
Smith, A. O., Corporation. (See Andrus, Orrin E., assignor.)
Smith, A. O., Corporation. (See Bell, Raymond T., assignor.)
Smith, A. O. Corporation. (See Heineman, Warren F., assignor.)
Smith, Drum & Company. (See Drum, G. E., and Jaxheimer, assignors.)
Smith, Francis R., Wakefield, Mass. Forming collared apertures in sheet metal articles including chronometer indicators. 1,979,288; Nov. 6.
Smith, Francis R., Wakefield, Mass. Indicator for chronometers and the like. 1,979,289; Nov. 6.
Smith, Franklin S., Brooklyn, N. Y. Condenser construction. 1,979,290; Nov. 6.
Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,979,291; Nov. 6.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,979,292; Nov. 6.
Smith, Obed E. (See Eksergian, C. L., and Smith.)
Smith, Obed E. (See Farr, W. H., Eksergian, and Smith.)
Smith, Raymond D., Pleansantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Plural action interval timer. 1,979,293; Nov. 6.
Smith, Robert, jr., assignor to Insulated Steel Construction Company, Cleveland, Ohio. Service station. Des. 93,797; Nov. 6.
Smith, Sydney, assignor of one-half to The Wellman Seaver Rolling Mill Company, Limited, London, England, and one-half to Press- und Walzwerk Aktiengesellschaft, Dusseldorf, Reisholz, Germany. Push bench guide. 1,979,579; Nov. 6.
Smith, Temple C., Westfield, N. J., assignor to American Telephone and Telegraph Company. Differential mechanism. 1,979,414; Nov. 6.
Smith's, John E., Sons Company. (See Van Hooydonk, Adrian C., assignor.)
Smithers, Arthur J. (See Ott, O. W., and Smithers.)
Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Recording instrument. 1,979,713; Nov. 6.
Sniffin, John G., Huntington Park, assignor of one-half to J. W. McLaughlin, Whittier, Calif. Separator. 1,979,500; Nov. 6.
Societe de Prospection Electrique, Procedes Schlumberger. (See Schlumberger, Conrad, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Soso, Marko T., Los Angeles, Calif. Finishing, draining, and packing mechanism for centrifugal casting machines. 1,979,415; Nov. 6.
South West Box Company, et al. (See Witte, James G., assignor.)
Spalding, William A., Newton, Mass. Package. 1,979,714; Nov. 6.
Spangler, Frank, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio selector drive. 1,979,416; Nov. 6.
Spaulding Fibre Co. (See Boyle, William E., assignor.)
Special Equipment Company. (See Ewald, Mark, assignor.)
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. By-product ammonia recovery method. 1,980,010; Nov. 6.
Sperry Gyroscope Company, Inc. (See Wilson, William P., assignor.)
Spring, George B., Newtonville, Mass., assignor to Eastern Malleable Iron Company, New Britain, Conn. Pole mounting. 1,979,580; Nov. 6.
Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Cushioning device. 1,979,846; Nov. 6.
Sprung, Helmut, Berlin-Oberschoneweide, Germany, assignor to General Electric Company, Schenectady, N. Y. Production of magnetic strips or tapes. 1,980,011; Nov. 6.
Staff, William E., Jenkintown, Pa. Convertible game board. 1,980,105; Nov. 6.
Stahle, Erik G. (See Pedersen, I. O., and Stahle.)
Standard Electric Time Company, The. (See Harter, George F., assignor.)
Standard Electric Time Company, The. (See Kenerson, Stanley M., assignor.)
Standard I. G. Company. (See Pier, M., and Ringer, assignors.)
Standard Oil Company. (See Arveson, Maurice H., assignor.)
Standard Oil Company. (See Mathews, Wallace B., assignor.)

Standard Sanitary Manufacturing Company. (See Tafel, Theodore, jr., assignor.)
Standard Sanitary Manufacturing Company. (See Woolfolk, Arthur P., assignor.)
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,979,417; Nov. 6.
Stanley Works, The. (See Raymond, Horace H., assignor.)
Stanolind Pipe Line Company. (See Stirling, J. Campbell, assignor.)
Staples, Evans M., assignor to Aluminum Industries, Inc., Cincinnati, Ohio. Molding machine. 1,979,581; Nov. 6.
Staples, Harry R. (See Lynch, T. L., Rilling, and Redfield, assignor.)
Stationers Loose Leaf Company. (See Lotter, Adolph G., assignor.)
Statz, John. (See Johnson, P. R., Statz, and Wallsten.)
Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,798; Nov. 6.
Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,799; Nov. 6.
Steinmayer, Alwin G. (See Christensen, C., and Steinmayer.)
Steinmayer, Alwin G., and W. D. Kyle, assignors to Line Material Company, South Milwaukee, Wis. Fuse. 1,979,418; Nov. 6.
Stelling, Henry, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler level indicator. 1,980,012; Nov. 6.
Stelzer, Franz H. B., assignor to "Universelle" Cigarettenmaschinen Fabrik J. C. Muller & Co., Dresden, Germany. Method and apparatus for making cigar fillers. 1,979,648; Nov. 6.
Stempelin, Ralph, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work holding and positioning device. 1,980,106; Nov. 6.
Stephenson, Norman M., Los Angeles, Calif. Plug fuse. 1,979,715; Nov. 6.
Stephenson, Reuben M., Oakland, Calif. Apparatus for spraying materials. 1,979,649; Nov. 6.
Stephenson, Thomas B., Springfield, Mass. Illuminated advertising, display, and demonstrating sign. 1,979,776; Nov. 6.
Stepkin, Samuel, Los Angeles, Calif., assignor to S. Bloomfield. Cooking device. 1,979,501; Nov. 6.
Stern, Charles, Jersey City, assignor to Ardco Manufacturing Company, Hoboken, N. J. Governor-controlled drilling valves for locomotives. 1,980,107; Nov. 6.
Steudel, Erich O., Chicago, Ill. Cake plate. 1,979,911; Nov. 6.
Stevens, John A., Broadstairs, England. Lamp for road vehicles. 1,979,650; Nov. 6.
Stewart, Oscar D., Underwood, N. Dak. Anticlogging attachment for grain augers. 1,980,108; Nov. 6.
Stickle, John B., Indianapolis, Ind. High pressure condensate return. 1,979,651; Nov. 6.
Stickley Brothers Company. (See Campbell, Richard T., assignor.)
Still, Carl, Recklinghausen, Germany. Leveling bar. 1,979,419; Nov. 6.
Stimson, Stuart C., Oklahoma City, Okla. Powder dispensing device. 1,979,294; Nov. 6.
Stirling, J. Campbell, assignor to Stanolind Pipe Line Company, Tulsa, Okla. Testing device. 1,979,912; Nov. 6.
Stockly, Harold A., Alhambra, Calif. Air conditioning system. 1,980,109; Nov. 6.
Stoip, Samuel S., Louisville, Ky., assignor to Cheatham Electric Switching Device Company. Binding post terminal. 1,979,582; Nov. 6.
Stott, Alexander W., Clearwater, Fla., assignor to The Hills Brothers Company, Inc., New York, N. Y. Preserving fruit peel. 1,980,013; Nov. 6.
Stouges, Anthony J., Queens Village, assignor to Mergenthaler Linotype Company, New York, N. Y. Slug casting machine. 1,980,110; Nov. 6.
Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,980,111; Nov. 6.
Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,980,112; Nov. 6.
Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Chromiferous azo-dyestuffs and making same. 1,979,913; Nov. 6.
Strauch, Clauss B., New York, N. Y. Dual container. 1,979,777; Nov. 6.
Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicing machine. 1,979,847; Nov. 6.
Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicer. 1,979,848; Nov. 6.
Stromberg Electric Company. (See Denniston, Adolph L., assignor.)
Stromertz, Archie T. (See Krieg, E. J., and Stromertz.)
Stuart, Henry B., assignor to Whitin Machine Works, Whitinsville, Mass. Lubricating device for twister rings. 1,979,778; Nov. 6.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Huffman, Mervin C., assignor.)
Sullivan Machinery Company. (See Sanford, John W., assignor.)
Sundermann, H. Henry, executor. (See Klausmeyer, David C.)
Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Calculating machine. 1,979,295; Nov. 6.
Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Surface Combustion Corporation. (See Munford, Theodore W., assignor.)
Sutcliffe, Willis J., Waterloo, Iowa. Target trap. 1,979,502; Nov. 6.
Svenson, Ernest J., et al. (See Wahlmark, Gunnar A., assignor.)
Swales, George P., W. T. B. Roberts, and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,979,420; Nov. 6.
Sweeney, William H., Washington, D. C. Television apparatus. 1,979,296; Nov. 6.
Swenson, Samuel R., Chicago, Ill. Stamping machine. 1,980,014; Nov. 6.
Sylvan, Erick, Astoria, Oreg. Trolling spoon. Des. 93,800; Nov. 6.
Sylvester, Walter, Tunstall, England. Pit prop. 1,979,503; Nov. 6.
Tafel, Theodore, jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company. Nozzle. 1,979,504; Nov. 6.
Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
Taisey, Fred R. (See Jennings, C. S., and Taisey.)
Taylor, Albert H., L. C. Young, and L. A. Hyland, Washington, D. C. Aircraft altitude determination system. 1,979,297; Nov. 6.
Taylor, Frances R., Broken Bow, Nebr. Grave marker. Des. 93,801; Nov. 6.
Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,980,113; Nov. 6.
Taylor, George R., Woodlynne, assignor to John H. Mathis Company, Camden, N. J. Skeg for barges and like vessels. 1,980,114; Nov. 6.
Taylor, John L., Milwaukee, Wis. Drilling chuck. 1,979,652; Nov. 6.
Television Laboratories, Ltd. (See Gardner, B. C., and Varian, assignors.)
Tennessee Copper Company. (See Burns, Roy R., assignor.)
Tenney, Irving L., New York, N. Y. Winding device. 1,979,354; Nov. 6.
Tenney, Irving L., New York, N. Y. Winding mechanism. 1,979,355; Nov. 6.
Terry, Albert V., Redditch, England. Sculling exerciser. 1,979,716; Nov. 6.
Terry, Robert W., Columbus, Ohio. Biological product and producing the same. 1,979,421; Nov. 6.
Terzian, Harutyun G., assignor to The United Gas Improvement Company, Philadelphia, Pa. Making mixed oil gas and water gas. 1,980,115; Nov. 6.
Texas Company, The. (See Behimer, Otto, assignor.)
Texas Company, The. (See Manley, Robert E., assignor.)
Theodos, Vangel, San Francisco, Calif. Car track crossing. 1,979,583; Nov. 6.
Tholstrup, Henry, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Converter. 1,979,422; Nov. 6.
Thompson, Leroy J., Grand Rapids, Mich. Seal. 1,979,356; Nov. 6.
Thompson, Newton B., Wilson, Ark. Vehicle trailer construction. 1,980,015; Nov. 6.
Thompson, William J., Detroit, Mich. Game device. 1,979,584; Nov. 6.
Thompson, William J., Detroit, Mich. Counting device. 1,979,585; Nov. 6.
Thomson, George A. (See Austin, Harvey B., assignor.)
Thornley, Sidney, Grangemouth, Scotland, and A. Y. Twemlow, Moston, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring. 1,979,505; Nov. 6.
Thurston, Walter R., Los Angeles, Calif. Brake dressing and process therefor. 1,980,016; Nov. 6.
Timken Roller Bearing Company, The. (See William, Sidney D., assignor.)
Tingley Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)
Tobin, Arthur L., Lynnfield Center, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Temperature-limiting mechanism for hot-water systems. 1,979,779; Nov. 6.
Toborg, Emil L. G., Little Falls, N. Y. Sliding shelf sectional bookcase. 1,980,116; Nov. 6.
Todd, Wilbur, Chicago, Ill. Four-wheel brake mechanism. 1,979,849; Nov. 6.
Tomlin, John R., Brooklyn, N. Y. Mechanism for controlling the tension of material drawn from a roll. 1,979,914; Nov. 6.
Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Collapsible spool for motion picture film. 1,979,423; Nov. 6.
Townsley, Frank. (See Bennett, H. W., and Townsley.)

Trainer, James E., Akron, Ohio, and C. M. Day, Denver, Colo., assignors to The Babcock & Wilcox Company, Newark, N. J. Pipe section. 1,979,424; Nov. 6.
Tranaas, Emil L., assignor to Koehring Company, Milwaukee, Wis. Side by side drum mixing machine. 1,979,915; Nov. 6.
Transelectric Company. (See Hamer, William D., assignor.)
Transue & Williams Steel Forging Corporation. (See Williams, George E., assignor.)
Traub, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Electric discharge device. 1,980,017; Nov. 6.
Trefethen, Charles G., Worcester, Mass. Alarm device. 1,979,653; Nov. 6.
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Tressler, Donald K., Pittsburgh, Pa., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Waxlike substances and preparing same. 1,979,586; Nov. 6.
Tretolite Company. (See Roberts, Claudius H. M., assignor.)
Trey, Serge, and W. Howard, College Point, N. Y. Aeroplane wing. 1,979,298; Nov. 6.
Tuma, Vladimir. (See Lawrence, W. S., Tuma, and Hutton.)
Turiansky, Abraham, New York, N. Y. Shoe. Des. 93,802; Nov. 6.
Turner, John L., St. Louis, Mo. Sash control. 1,979,654; Nov. 6.
Turner, Russell J., Butler, Pa., and F. H. Ragan, Shaker Heights, assignors to The Columbia Axle Company, Cleveland, Ohio. Nonmetallic connection. 1,980,117; Nov. 6.
Turney, Harry L., Los Angeles, Calif. Draw works. 1,979,780; Nov. 6.
Twemlow, Alfred Y. (See Thornley, S., and Twemlow.)
Tyler, Chaplin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resolving emulsions. 1,980,118; Nov. 6.
Tyxzer, Howard J., Melrose, assignor to Electro Formation, Inc., Medford, Mass. Electrolytic condenser. 1,979,916; Nov. 6.
Umbreit, Stanton, West Orange, N. J., assignor to Radio Corporation of America. Making getter material. 1,979,506; Nov. 6.
Underwood, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Coke oven machine. 1,979,507; Nov. 6.
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Combined loose leaf binder and reading stand. 1,979,814; Nov. 6.
Union Oil Company of California. (See Rebber, L. L., Crossfield, and Ragatz, assignors.)
Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
United American Bosch Corporation. (See Cotter, William F., assignor.)
United American Bosch Corporation. (See Cotter, W. F., and Bond, assignors.)
United American Bosch Corporation. (See Curtis, Leslie F., assignor.)
United Dry Docks, Incorporated. (See Myers, Myron L., assignor.)
United Fruit Company. (See Wilson, Robert M., assignor.)
United Gas Improvement Company, The. (See Hall, E. L., and Brady, assignors.)
United Gas Improvement Company, The. (See Janeway, Price W., jr., assignor.)
United Gas Improvement Company, The. (See Perry, J. A., and Brady, assignors.)
United Gas Improvement Company, The. (See Terzian, Harutyun G., assignor.)
United Research Corporation. (See Jackman, Fred W., assignor.)
United Shoe Machinery Corporation. (See Goddu, George, assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Minard, Wheeler, assignor.)
United Shoe Machinery Corporation. (See Pratt, J. W., and Lane, assignors.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United Shoe Machinery Corporation. (See Swales, G. P., Roberts, and Lane, assignors.)
United States Air Compressor Company, The. (See Bacher, Rollin L., assignor.)
U. S. Duplicator Company. (See Sabik, G., and Offer, assignors.)
United States Gypsum Company. (See Randel, W. S., Dailey, and McNeil, assignors.)
United States Hoffman Machinery Corporation. (See Power, Thomas J., assignor.)
Universal Hydraulic Corporation. (See Kinzie, Phillip A., assignor.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See de Rachat, Nicholas G., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
Universal Winding Company. (See Nelson, John, assignor.)
Universal Winding Company. (See Taylor, George N., assignor.)
"Universelle" Cigarettenmaschinen Fabrik J. C. Muller & Co. (See Klix, Alexander H., assignor.)
"Universelle" Cigarettenmaschinen Fabrik J. C. Muller & Co. (See Stelzer, Franz H. B., assignor.)
Vail, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic esters. 1,979,717; Nov. 6.
Vaill, Charles P. (See McNamee, O. A., and Vaill.)
Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coke-oven apparatus. 1,980,018; Nov. 6.
Van Daam, Gerrit, Buffalo, N. Y. Electric heater. Des. 93,803; Nov. 6.
Van den Bel, Jacobus G., Overveen, Netherlands. Clamping member for clamping the one end of a cord, which is fixedly fastened to the clamping member with the other end. 1,979,508; Nov. 6.
Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Electric motor mechanism. 1,979,357; Nov. 6.
Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Tandem motor mechanism. 1,979,425; Nov. 6.
Van Hille, Pierre, assignor to the firm of Ateliers Saint-Eloi, Tourcoing, Nord, France. Driving mechanism for revolving needle bars of combing and gilling machines. 1,979,509; Nov. 6.
Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Meat cutting machine. 1,979,587; Nov. 6.
Van Scherpenberg, August L., Tirlemont, Belgium. Making edible sugar syrup. 1,979,781; Nov. 6.
Varaud, André, Geneva, Switzerland. Mechanical time fuse. 1,979,426; Nov. 6.
Varian, Russell H. (See Gardner, B. C., and Varian.)
Vaughn, William H., Augusta, assignor to Nu-Wa Service Company, Milledgeville, Ga. Envelope container. 1,979,917; Nov. 6.
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,979,299; Nov. 6.
Vereinigte Stahlwerke Aktiengesellschaft. (See Kühn, Paul, assignor.)
Vestal, Merton I., assignor of one-half to A. A. Harrison, Fall River, Mass. Transmission device. 1,980,145; Nov. 6.
Victor Chemical Works. (See Zinn, Robert E., assignor.)
Vingerhoets, Antonius W., assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Time switch device. 1,980,146; Nov. 6.
Vischer, Alfred, jr., Ridgewood, N. J., assignor to The Financial Press Companies of America, Boston, Mass. Telegraphic printing mechanism. 1,979,510; Nov. 6.
Vogt, Wolfram, and E. Huber, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the diazine series. 1,979,667; Nov. 6.
Voorhees, Daniel W., jr., Peru, Ill. Tractor attachment mechanism. 1,979,511; Nov. 6.
Vreeland, Frederick K., Montclair, N. J. Remote control for radioreceivers. 1,979,588; Nov. 6.
Vretman, Carl G., Atlanta, Ga. Method and apparatus for conditioning air in refrigerators. 1,979,589; Nov. 6.
Vretman, Carl G., Atlanta, Ga. Process and apparatus for conditioning air in refrigerators. 1,979,590; Nov. 6.
Wachs, E. H., Company, The. (See Parker, Howard W., assignor.)
Wachtel, Sam, and L. B. Zeldis, Philadelphia, Pa. Making garments and product thereof. 1,979,300; Nov. 6.
Wagenhorst, James H., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich. Making vehicle wheels. 1,979,815; Nov. 6.
Wahl Company, The. (See Back, Robert, assignor.)
Wahlmark, Gunnar A., assignor of one-third to E. J. Svenson and one-third to C. H. Rystrom, Rockford, Ill. Carburetor. 1,979,918; Nov. 6.
Wait, Justin F., Bronx, N. Y. Composition of matter and producing the same. 1,980,119; Nov. 6.
Wald Manufacturing Company. (See Pawsat, Ruben L., assignor.)
Waldorf Paper Products Company. (See Boeye, Paul F. assignor.)
Waldron, John. Corporation. (See Banner, Otto A., assignor.)
Walker, Woods S., and T. Forberg, assignors to The Consolidated Gas Company of New York, New York, N. Y. Safety device for gas pilots. 1,980,120; Nov. 6.
Wallace, Morton, Swedesboro, N. J. Cable terminal protector. 1,980,121; Nov. 6.

Wallis, Cyril T., and N. O. Marquart, assignors to Delco Appliance Corporation, Rochester, N. Y. Magnetic speedometer. 1,980,019; Nov. 6.
Wallsten, Walfred A. (See Johnson, P. R., Statz, and Wallsten.)
Walworth Patents Inc. (See Martin, Jesse C., jr., assignor.)
Warner Bros. Pictures, Inc. (See Berkeley, Busby, assignor.)
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Warner, Joseph R., assignor to S. F. Bower & Company, Inc., Fort Wayne, Ind. Lubricator. 1,979,591; Nov. 6.
Warren, Stanley F. (See Graham, Hubert B.)
Wasson, Robert B., Cranford, N. J. Logarithmic calculating mechanism. 1,979,512; Nov. 6.
Water Level Controls Company. (See Pike, Theodore F., assignor.)
Waterman, Fred W. (See Bark, W., and Waterman.)
Watkin, Albert P. J., and G. J. Winter; said Winter assignor to E. C. Randall, Buffalo, N. Y. Heel. 1,980,122; Nov. 6.
Watson, Ralph H. (See Lose, J. E., and Watson.)
Watson, Thomas S., assignor to Car Lighting Improvement Company, Milwaukee, Wis. Car lighting system. 1,979,513; Nov. 6.
Wayne, Glenn H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Machine for rolling screw threads. 1,979,919; Nov. 6.
Webb, George C., Buffalo, N. Y. Tray. 1,979,301; Nov. 6.
Weber, George H., New York, N. Y. Sheave. 1,980,123; Nov. 6.
Webster, William R., Bridgeport, Conn. Ground rod. 1,980,020; Nov. 6.
Wehr, Walter W., Allentown, Pa. Motor driven sound and picture recording camera and reproducer. 1,979,718; Nov. 6.
Weiss, Charles R., Indianapolis, Ind., assignor to Link Belt Company. Chain link. 1,979,592; Nov. 6.
Weisse, Ernst, Leipzig, Germany. Photographic camera. 1,979,719; Nov. 6.
Welch, Kenneth C., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Illuminated panel. 1,979,358; Nov. 6.
Wellington Machine Company, The. (See Gannett, Chauncey W., assignor.)
Wellman Engineering Company, The. (See Gibson, Alfred E., assignor.)
Wellman Seaver Rolling Mill Company, The, et al. (See Smith, Sydney, assignor.)
Wells, Raymond L., Attleboro, Mass. Safety catch. 1,980,124; Nov. 6.
Welsh, Harry S., and W. C. Barber, Rochester, N. Y. Combination radiator and humidifier. 1,979,427; Nov. 6.
Werner, Otto. (See Wilkes, C. H., and Werner.)
Western Union Telegraph Company, The. (See Estes, Phillip H., assignor.)
Western Union Telegraph Company, The. (See Rovere, L. H., and Estes, assignors.)
Westinghouse Electric Elevator Company. (See Ellis, Charles E., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Atherton, Alfred L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Booth, James D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lynn, Clarence, assignor.)
Westinghouse Electric & Manufacturing Company. (See Maslin, Albert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, W., and Frisch, assignors.)
Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
Wetherbee, Herbert E., Cleveland Heights, Ohio, assignor, by mesne assignments, of seven-tenths to R. F. Grant, and one-tenth to B. H. Grant, New York, N. Y. Chemically etching glass surfaces. 1,980,021; Nov. 6.
Wheeler, John L., St. Louis, Mo. Measuring faucet. 1,979,428; Nov. 6.
Whitaker, Joseph P. (See Fielding, John, assignor.)
Whitall Tatum Company. (See Steelman, James S., assignor.)
White, Harry L., Pittsburgh, Pa. Score displaying means. 1,979,593; Nov. 6.
White, Leta J. (See Reese, Anabel H., assignor.)
Whitehouse, John N., New York, N. Y., assignor to Sanite Corporation, Burlington, N. J. Method and apparatus for covering articles with sheet material. 1,980,022; Nov. 6.
Whitin Machine Works. (See Stuart, Henry B., assignor.)
Whiting, William A., Huntington Park, Calif., assignor to American Concrete and Steel Pipe Company. Lining concrete pipe and the like. 1,979,655; Nov. 6.
Whitman, Nathan D., South Pasadena, Calif., assignor to American Concrete and Steel Pipe Company. Apparatus for wrapping pipe. 1,979,656; Nov. 6.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Backfire release. 1,979,302; Nov. 6.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism. 1,979,920; Nov. 6.
Whitney, Noel C., Terre Haute, Ind. Baseball game apparatus. 1,980,125; Nov. 6.
Widman, Charles H., Detroit, Mich., assignor to The Murray Corporation of America. Outside molding or reveal. 1,980,023; Nov. 6.
Wier, Albert E., Brooklyn, N. Y. Projecting apparatus. 1,979,921; Nov. 6.
Wiggins, John H., Tulsa, Okla. Seal for floating tank roofs. 1,979,657; Nov. 6.
Wikander, Oscar R., assignor to Edgewater Steel Company, Pittsburgh, Pa. Car construction. 1,979,359; Nov. 6.
Wiley, Carl H. (See Wiley, Elbert H. and C. H.)
Wiley, Elbert H. and C. H., assignors to Curtis-Wiley Marine Salvors, Seattle, Wash. Mechanical arm and hand. 1,979,782; Nov. 6.
Wilkes, Clarence H., Gloversville, and O. Werner, Johnstown, N. Y.; said Wilkes assignor to said Werner. Apparatus for making sandwich rolls. 1,979,429; Nov. 6.
Williams, George E., assignor to Transue & Williams Steel Forging Corporation, Alliance, Ohio. Separable link. 1,980,126; Nov. 6.
Williams, Howard C., Kentwood, La. Automatic road signal. 1,979,922; Nov. 6.
Williams Sealing Corporation. (See Le Pere, John G., assignor.)
Williams, Sidney D., assignor to The Timken Roller Bearing Company, Canton, Ohio. Manganese-molybdenum-vanadium steel and articles made therefrom. 1,979,594; Nov. 6.
Williams, Theodore. (See Casler, H., and Williams.)
Williams, Theodore, Syracuse, and H. Casler, Canastota, N. Y. Exercising machine. 1,979,783; Nov. 6.
Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, Robert M., Jackson Heights, assignor to United Fruit Company, New York, N. Y. Display stand. 1,979,514; Nov. 6.
Wilson, William P., deceased, Detroit, by Marie P. Wilson, administratrix, Lansing, Mich., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Director. 1,979,720; Nov. 6.
Wilson, William S., Boston, assignor to Merrimac Chemical Company, Inc., Everett, Mass. Manufacture of organic esters. 1,975,515; Nov. 6.
Wilson, William S., Brookline, assignor to Merrimac Chemical Company, Everett, Mass. Manufacture of organic esters. 1,979,516; Nov. 6.
Wilt, Lewis E., Akron, Ohio. Rubber heel and reenforcing and nail retaining member therefor. 1,980,127; Nov. 6.
Winnewisser, Emil A., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Control mechanism for alternately operated motors. 1,980,024; Nov. 6.
Winter, George J. (See Watkin, A. P. J., and Winter.)
Winthrop Chemical Company, Inc. (See Goth, E., Kayser, and Kühn, assignors.)
Wired Radio, Inc. (See Goshaw, Irl R., assignor.)
Witte, James G., assignor of one-half to Iowa Fiber Box Company, Keokuk, Iowa, and one-half to South West Box Company, Sand Springs, Okla. Paper can. 1,979,923; Nov. 6.
Wohlfeld, Edward J., Indianapolis, Ind. Game board. Des. 93,804; Nov. 6.
Wohlfeld, Joseph H., Philadelphia, Pa. Collapsible reservoir holder. 1,979,517; Nov. 6.
Wolf Brothers. (See Wolf, Howard A.)
Wolf, Elias, et al. (See Wolf, Howard A., assignor.)
Wolf, Howard A., et al. (See Wolf, Howard A., assignor.)
Wolf, Howard A., assignor to L., H. A., and E. Wolf, copartners doing business as Wolf Brothers, Philadelphia, Pa. Method and apparatus for making paper bags. 1,979,721; Nov. 6.
Wolf, Louis, et al. (See Wolf, Howard A., assignor.)
Wolfe, Ralph A. (See Duffenback, O. S., and Wolfe.)
Wolfe, Walter G., Greenwood, assignor to Wilmot R. Evans, trustee, Boston, Mass. Lens system. 1,980,147; Nov. 6.
Wolfram, Arthur, Frankfort-on-the-Main-Rodelheim, and E. Hausdörfer, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinone dyestuff and obtaining same. 1,980,025; Nov. 6.
Wolfson, Sidney L., assignor to The Cuno Engineering Corporation, Meriden, Conn. Electric cigar lighter. 1,980,157; Nov. 6.
Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Fabricated dynamo-electric machine. 1,980,026; Nov. 6.
Wood, Robert O., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of iron oxide pigment. 1,979,595; Nov. 6.
Woodeson, William A., Gateshead-on-Tyne, England. Burner for the firing of furnaces. 1,979,784; Nov. 6.
Woodford, Joseph C., Ardmore, assignor to Service Station Equipment Company, Conshohocken, Pa. Fluid dispensing apparatus. 1,980,148; Nov. 6.
Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,303; Nov. 6.

Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,518; Nov. 6.
Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,519; Nov. 6.
Woolfolk, Arthur P., Pittsburgh, Pa., assignor to Standard Sanitary Manufacturing Company. Bathing fixture. 1,979,596; Nov. 6.
Wright Austin Company. (See McMullen, Donald R., assignor.)
Wright, Carl, Ashtabula, assignor to The American Fork & Hoe Company, Geneva, Ohio. Forming shafts for golf clubs. 1,979,430; Nov. 6.
Wroten, William J. M., Clayton, Del. Milk cooler. 1,979,785; Nov. 6.
Wupper, Benjamin F., Chicago, Ill. Game. 1,979,431; Nov. 6.
Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
Young, Edwin H. P., London, England, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Drip-feed device. 1,980,128; Nov. 6.
Young, George G., Kansas City, Mo., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Baking receptacle. 1,979,924; Nov. 6.
Young, Leo C. (See Taylor, A. H., Young, and Hyland.)
Young, Marvin S., Scarsdale, assignor to The Gas and Oil Lock Corporation, New York, N. Y. Combination discharge and inflow control means. Re19,366; Nov. 6.
Young, Marvin S., Scarsdale, and A. Novick, Flushing, assignors to The Gas and Oil Lock Corporation, New York, N. Y. Combination inflow controlling and fluid discharge means. 1,979,850; Nov. 6.
Zander, Ernest O., Oakland, Calif. Weed cutter. 1,979,432; Nov. 6.
Zart, Arthur, and F. Hoelkeskamp, Barmen-Rittershausen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Apparatus for the production of artificial threads from cuprammonium solution. 1,979,925; Nov. 6.
Zauskey, Thomas L., Chicago, Ill. Lighting system and apparatus. 1,979,658; Nov. 6.
Zegorav, Bogislavs, New York, N. Y. Shoe. Des. 93,805; Nov. 6.
Zeldis, Louis B. (See Wachtel, S., and Zeldis.)
Zero Hour Torpedo Company. (See Kinley, Myron M., assignor.)
Zierick, Ambrose E., New York, N. Y. Coin sorting machine. 1,979,659; Nov. 6.
Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Rear view mirror. 1,980,149; Nov. 6.
Zinn, Robert E., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Water softener. 1,979,926; Nov. 6.
Zworykin, Vladimir K., Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Sorting apparatus. 1,979,722; Nov. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abradant material and its manufacture. L. E. Barringer. 1,980,151; Nov. 6.
Abrasion resisting tube. W. E. Boyle. 1,979,444; Nov. 6.
Accounting system. H. C. Osborn. 1,979,283; Nov. 6.
Acidophilus products, Preparation of. W. L. Owen. 1,980,083; Nov. 6.
Acids, Preparation of organic. G. B. Carpenter. 1,979,449–50; Nov. 6.
Acids, Preparation of organic. J. C. Woodhouse. 1,979,518–19; Nov. 6.
Address plate. W. T. Gollwitzer. 1,979,261; Nov. 6.
Adjustable connecter. RB Niles. 1,980,080; Nov. 6.
Aeroplane wing. S. Trey and W. Howard. 1,979,298; Nov. 6.
Air conditioning and dispensing system. I. H. Jewell. 1,979,941; Nov. 6.
Air conditioning apparatus. E. F. Fisher. 1,979 538; Nov. 6.
Air conditioning system. H. A. Stockly. 1,980,109; Nov. 6.
Aircraft. E. P. Savidge. 1,980,002; Nov. 6.
Aircraft altitude determination system. A. H. Taylor, L. C. Young, and L. A. Hyland. 1,979,297; Nov. 6.
Air in refrigerators, Method and apparatus for conditioning. C. G. Vretman. 1,979,589; Nov. 6.
Air in refrigerators, Process and apparatus for conditioning. C. G. Vretman. 1,979,590; Nov. 6.
Airplane gasoline gauge. H. H. Raymond. 1,979,705; Nov. 6.
Alarm device. C. G. Trefethen. 1,979,653; Nov. 6.
Alarm for fire extinguishing systems. A. C. Rowley. 1,980,095; Nov. 6.
Alcohols and hydroaromatic alcohols, Isolating or purifying terpene. J. W. Blagden and W. E. Huggett. 1,980,030; Nov. 6.
Alcohols, Processing. J. C. Woodhouse. 1,979,303; Nov. 6.
Amalgamating apparatus and process. C. Butters. 1,979,365; Nov. 6.
Ammonia and hydrogen sulphide from gases, Removal of. C. J. Hansen. 1,979,934; Nov. 6.
Ammonia from gas by contact with acid phosphate, Recovering. M. Shoeld. 1,980,006; Nov. 6.
Ammonia from gases, Removing. M. Shoeld. 1,980,007; Nov. 6.
Amusement device. H. Rouenville. 1,979,844; Nov. 6.
Anchorage device. H. Rosenberg. 1,980,093; Nov. 6.
Annealing furnace. A. Maring. 1,979,697; Nov. 6.
Anticlogging attachment for grain augers. O. D. Stewart. 1,980,108; Nov. 6.
Antiskid device. C. L. Reed. 1,979,772; Nov. 6.
Apertures in sheet metal articles including chronometer indicators, Forming collared. F. R. Smith. 1,979,288; Nov. 6.
Apron and toilet case, Combined. M. Harris. 1,979,879; Nov. 6.
Armature assembly machine. J. F. Cullin. 1,979,454; Nov. 6.
Aromatic amines, Manufacturing secondary. W. L. Semon. 1,980,102; Nov. 6.
Articles with sheet material, Method and apparatus for covering. J. N. Whitehouse. 1,980,022; Nov. 6.
Atomizer. F. Custer and P. B. Brown. 1,979,455; Nov. 6.
Attachment for frameless plows, High-lift. M. E. Larsen. 1,979,750; Nov. 6.
Autoelectronic triode device. J. E. Lilienfeld. 1,979,275; Nov. 6.
Automatic clutch. C. B. Heinrich. 1,979,880; Nov. 6.
Automatic road signal. H. C. Williams. 1,979,922; Nov. 6.
Automobile mechanism. E. A. Barnett. 1,979,523; Nov. 6.
Automobile or similar article. H. J. Earl. Des. 93,764; Nov. 6.
Automobile top and its construction. W. J. Bossemeyer. 1,979,858; Nov. 6.
Azo-dyestuffs and making same, Chromiferous. F. Straub and H. Schneider. 1,979,913; Nov. 6.
Azodyestuffs, Water-insoluble. F. Ballauf and A. Schmelzer. 1,979,600; Nov. 6.
Back-filling apparatus with automatic control, Double-chamber. G. Domina. 1,979,320; Nov. 6.
Backfire release. M. P. Whitney. 1,979,302; Nov. 6.
Bag: *See*—
Fruit picking bag.
Bag and case, Hand. P. A. Martin. 1,979,978; Nov. 6.
Bag filling apparatus. E. A. Marsh. 1,979,483; Nov. 6.
Bag lock. A. Levine. 1,979,560; Nov. 6.
Bags, Device for closing filled. G. Schilbach. 1,979,496; Nov. 6.
Bags, Method and apparatus for making paper. H. A. Wolf. 1,979,721; Nov. 6.
Bags with powdered or granular products, Method of and apparatus for filling. J. Russell. 1,979,492; Nov. 6.

Bakery products, Apparatus for cooling. H. T. Hunter. 1,979,533; Nov. 6.
Baking receptacle. G. G. Young. 1,979,924; Nov. 6.
Balanced turbulence pump. A. Hollander. 1,979,621; Nov. 6.
Ball and roller bearing. A. Bickelhaupt and H. Schlienz. 1,979,663; Nov. 6.
Ball, Golf practice. L. I. Clark. 1,979,795; Nov. 6.
Band-tightening device. F. J. Jakoubek. 1,979,555; Nov. 6.
Bar: *See*—
Leveling bar. Soap bar.
Bar support. R. R. Robertson. 1,979,410; Nov. 6.
Barrel supporting and cooling device. E. C. Clifford. Re19,361; Nov. 6.
Baseball game apparatus. N. C. Whitney. 1,980,125; Nov. 6.
Basket, Floral. H. M. Potter. 1,979,771; Nov. 6.
Bathing fixture. A. P. Woolfolk. 1,979,596; Nov. 6.
Battery charging system, Storage. H. Benjt. 1,979,440; Nov. 6.
Beam. R. K. O. Sahlberg. 1,979,642; Nov. 6.
Beam, Composite. R. K. O. Sahrberg. 1,979,643; Nov. 6.
Bearing: *See*—
Ball and roller bearing.
Bearing. E. J. Ovington. 1,980,081; Nov. 6.
Bearing and seal therefor. C. N. House. 1,979,388; Nov. 6.
Bearings, Making. E. J. Ovington. 1,980,082; Nov. 6.
Bed, Collapsible. R. K. Morse. 1,979,566; Nov. 6.
Bench guide, Push. S. Smith. 1,979,579; Nov. 6.
Benzol and its homologues from solvents, Recovery. H. Schöneborn. 1,980,009; Nov. 6.
Beverage cooling and dispensing apparatus. K. M. Burdge. 1,979,604; Nov. 6.
Beverages and the like, Method and apparatus for dispensing gas containing. E. Charmat. 1,979,605; Nov. 6.
Binder. J. M. Nichols. 1,979,900; Nov. 6.
Binder and reading stand, Combined loose-leaf. P. O. Unger. 1,979,814; Nov. 6.
Binder, Loose leaf. A. G. Lotter. 1,979,950; Nov. 6.
Biological product and producing the same. R. W. Terry. 1,979,421; Nov. 6.
Bitumen, Treated. O. R. Douthett. 1,979,677; Nov. 6.
Bitumen, Treating. O. R. Douthett. 1,979,676; Nov. 6.
Bituminous and other mixtures, Method and apparatus for testing. H. L. Howe. 1,979,267; Nov. 6.
Blocks, tiles, and bricks, Manufacturing hollow building. T. Koidl. 1,979,626; Nov. 6.
Board: *See*—
Convertible game board. Ironing board.
Bodies, Making, hard. E. Dühme and E. Cremer. 1,979,372; Nov. 6.
Boiler and its furnace, Steam. D. S. Jacobus. 1,979,884; Nov. 6.
Boiler cleaner. F. Bowers. 1,979,728; Nov. 6.
Bolted pipe joint. P. W. Janeway, jr. 1,980,062; Nov. 6.
Bookcase, Sliding shelf sectional. E. L. G. Toborg. 1,980,116; Nov. 6.
Boring machine. G. H. Leland. 1,979,478; Nov. 6.
Bottle. J. R. Orton and E. W. Fuerst. Des. 93,787; Nov. 6.
Bottle. J. S. Steelman. Des. 93,798–9; Nov. 6.
Bottle cap. C. W. Melnecke. Des. 93,785; Nov. 6.
Bottle closure cap releasing means and caps associated therewith. E. R. Rossiter. 1,980,094; Nov. 6.
Bottle transfer opparatus. A. Olson. 1,979,763; Nov. 6.
Boundary layer control for airfoils. C. C. Jones. 1,980,140; Nov. 6.
Box: *See*—
Brooder box. Meter box.
Box. P. F. Boeye. 1,979,956; Nov. 6.
Box. G. R. Kreider, jr. 1,979,835; Nov. 6.
Brace apparatus for a wheel. S. Saito. 1,979,644; Nov. 6.
Bracket: *See*—
Hinge bracket. Window bracket.
Brake apparatus for a wheel. S. Saito. 1,979,906; Nov. 6.
Brake band. F. L. Munroe. 1,979,988; Nov. 6.
Brake dressing and process therefor. W. R. Thurston 1,980,016; Nov. 6.
Brake lever, Emergency. H. Schnakenberg. 1,979,907; Nov. 6.
Brake mechanism, Four-wheel. W. Todd. 1,979,849; Nov. 6.
Brake or retarder, Bowling ball. E. Hedenskoog. 1,979,466; Nov. 6.
Braking mechanism. E. R. Evans. 1,979,874; Nov. 6.
Brassière. W. Rosenthal. 1,979,570; Nov. 6.
Bread butterer. B. Bedford. 1,979,436; Nov. 6.
Breathing therapy apparatus. E. I. McKesson. 1,979,981; Nov. 6.

Broaching machine. C. J. Halborg. 1,979,973; Nov. 6.
Brooch. W. S. Robertson. Des. 93,795; Nov. 6.
Brooder box. H. H. Hane. 1,979,877; Nov. 6.
Brush, Commutating. C. Lynn. 1,979,696; Nov. 6.
Brush for a washing machine. H. Adelmann. 1,979,240; Nov. 6.
Brush preserver, Paint. H. M. and J. V. Albanse. 1,979,241; Nov. 6.
Bucket, Centrifuge. S. R. Bergman. 1,979,953; Nov. 6.
Bucket, Drag line. A. E. Gibson. 1,979,738; Nov. 6.
Bucket structure. E. L. Harrington. 1,979,832; Nov. 6.
Buckets, Manufacturing centrifuge. S. R. Bergman. 1,979,954; Nov. 6.
Buckle or similar article, Shoe. D. Levin. Des. 93,776; Nov. 6.
Burner: *See*—
Liquid fuel burner.
Burner air diffuser, Oil. C. G. Sigwald. 1,979,577; Nov. 6.
Burner for the firing of furnaces. W. A. Woodeson. 1,979,784; Nov. 6.
Bushing, Roller. P. S. Rydbeck. 1,979,707; Nov. 6.
By-product ammonia recovery method. F. W. Sperr, jr. 1,980,010; Nov. 6.
Cabinet, Radiator. G. H. Anderson. 1,979,817; Nov. 6.
Cable cutting and stripping tool. J. A. Pedersen. 1,979,487; Nov. 6.
Cable terminal protector. M. Wallace. 1,980,121; Nov. 6.
Cables and the like and article produced thereby, Connecting. C. S. Anderson. 1,979,304; Nov. 6.
Cake drier. P. A. Janssens. 1,979,940; Nov. 6.
Calculating machine. O. J. Sundstrand. 1,979,295; Nov. 6.
Camera and reproducer, Motor driven sound and picture recording. W. W. Wehr. 1,979,718; Nov. 6.
Camera, Motion picture. L. H. Moomaw. 1,979,984; Nov. 6.
Camera, Photographic. E. L. Weisse. 1,979,719; Nov. 6.
Can: *See*—
Paper can. Rack and tire carrier.
Can cover. C. S. Reamy. 1,979,706; Nov. 6.
Candle light. R. L. Darling. 1,980,040; Nov. 6.
Caoutchouc, Vulcanization of. A. Skipsey. 1,979,499; Nov. 6.
Cap for dispensing containers. A. P. Gainer. 1,980,049; Nov. 6.
Car construction. E. B. Norbom. 1,979,761; Nov. 6.
Car construction. O. R. Wikander. 1,979,359; Nov. 6.
Car lighting system. T. S. Watson. 1,979,513; Nov. 6.
Carbon dioxide, Apparatus for and method of making solid. C. L. Jones and W. H. Fitzpatrick. 1,979,556; Nov. 6.
Carbonaceous materials from vessels, Removal of. L. C. Huff. 1,979,550; Nov. 6.
Carburetor. L. W. Jenks. 1,979,834; Nov. 6.
Carburetor. G. A. Wahlmark. 1,979,918; Nov. 6.
Carton blank folding and stapling machine. D. W. Coy. 1,979,253; Nov. 6.
Carrier. S. L. Breaux. Des. 93,759; Nov. 6.
Cartridge reloader. T. L. Bosler. 1,979,603; Nov. 6.
Case: *See*—
Apron and toilet case. Fishing tackle case.
Display case.
Case for syringe outfits and the like, Cushion carrying. J. MacGregor. 1,980,141; Nov. 6.
Cash register. H. F. B. Högfors. 1,979,387; Nov. 6.
Caster. C. W. Gannett. 1,979,378; Nov. 6.
Catch, Safety. R. L. Wells. 1,980,124; Nov. 6.
Cathode control. P. F. Scofield. 1,979,352; Nov. 6.
Cathode ray tube. E. Lübcke. 1,979,392; Nov. 6.
Cellulose acetate plastics, Tempering. A. F. Caprio. 1,979,672; Nov. 6.
Cellulose, Preparing. F. Olsen. 1,979,341; Nov. 6.
Celluiosic composition. H. S. Mork. 1,979,986; Nov. 6.
Cement materials, etc., Nodulizing. J. S. Fasting. 1,980,130; Nov. 6.
Centrifugal machine, Continuously operating. H. Schulz. 1,979,909; Nov. 6.
Centrifugal switch. Z. C. Bradford. 1,979,445; Nov. 6.
Chain and bit therefor, Cutter. T. E. Pray. 1,979,344; Nov. 6.
Chain link, C. R. Weiss. 1,979,592; Nov. 6.
Chair: *See*—
Folding chair.
Chair. U. B. McMurtry. 1,979,278; Nov. 6.
Chair or similar article, Metal. C. F. Rauch. Des. 93,794; Nov 6
Chair seat. E. B. Morgan. 1,979,563; Nov. 6.
Chocking device for vehicle lifts. R. L. Bacher. 1,979,788; Nov. 6.
Chuck, Drilling. J. L. Taylor. 1,979,652; Nov. 6.
Chute, Mail. C. Dobbin. 1,979,796; Nov. 6.
Cigar fillers, Method and apparatus for making. F. H. B. Stelzer. 1,979,648; Nov. 6.
Circuit controlling means for an induction motor. G. H. Leland. 1,979,480; Nov. 6.
Circuit, Oscillatory. C. W. Hansell. 1,980,158; Nov. 6.
Clamp: *See*—
Pipe clamp.
Clamp and power feed interlock, Column. D. C. Klausmeyer. 1,979,473; Nov. 6.
Clamping member for clamping the one end of a cord, which is fixedly fastened to the clamping member with the other end. J. G. van den Bel. 1,979,508; Nov. 6.

Cleaner: *See*—
Boiler cleaner.
Cleaning and polishing apparatus. M. H. Bissell. 1,979,527; Nov. 6.
Cleaning process, Dry. R. A. Morgen. 1,979,399; Nov. 6.
Click lock. A. Enos. 1,979,374; Nov. 6.
Clip. J. Fielding. 1,979,375; Nov. 6.
Clipper, Thread. W. V. Hershey. 1,979,743; Nov. 6.
Clock system, Synchronous motor. G. F. Harter. 1,979,326; Nov. 6.
Closure and seal therefor. J. G. Le Pere. 1,979,274; Nov. 6.
Clothes hanger. S. A. Schneider. 1,979,646; Nov. 6.
Clothesline arrangement. H. Kozak. 1,979,627; Nov. 6.
Clothes washing machine. T. J. Power. 1,979,408; Nov. 6.
Clutch: *See*—
Automatic clutch.
Coal cleaning machine. J. B. Bailey. 1,979,362; Nov. 6.
Coating and the product resulting therefrom. O. Herrmann. 1,979,936; Nov. 6.
Coating apparatus. E. H. Merritt. 1,979,758; Nov. 6.
Coating machine. J. B. Hadaway. 1,979,262; Nov. 6.
Coating preparation. H. Schladebach and H. Hähle. 1,979,645; Nov. 6.
Cofferdam frame. S. A. Healy, J. J. McShane, and N. Carr. 1,980,055; Nov. 6.
Coil, Balance. A. J. Maslin. 1,979,699; Nov. 6.
Coin sorting machine. A. E. Zierick. 1,979,659; Nov. 6.
Coin testing and ejecting mechanism for vending machines. B. W. Fry. 1,979,377; Nov. 6.
Coke-oven apparatus. J. van Ackeren. 1,980,018; Nov. 6.
Coke oven machine. C. E. Underwood. 1,979,507; Nov. 6.
Collapsible reservoir holder. J. H. Wohlfeld. 1,979,517; Nov. 6.
Collapsible table. E. Roos. 1,979,843; Nov. 6.
Color printing, Process and plate for. B. J. Lewis. 1,980,069; Nov. 6.
Coloring. S. Thornley and A. Y. Twemlow. 1 979,505; Nov. 6.
Combustion controlling device. C. F. Gardner and E. E. Brass. 1,979,462; Nov. 6.
Communication system. R. E. Mathes. 1,979,484; Nov. 6.
Commutator assembling machine. R. W. Baker, J. Q. Holmes and A. W. Phelps. 1,979,434; Nov. 6.
Composition of matter and producing the same. J. F. Walt. 1,980,119; Nov. 6.
Compressor. J. W. Sanford. 1,979,286; Nov. 6.
Concrete piles, Construction of "in situ". A. Hood. 1,979 547; Nov. 6.
Condensate return, High pressure. J. B. Stickle. 1,979,651; Nov. 6.
Condensates, Method and apparatus for recovery of. K. S. Klapp. 1,979,451; Nov. 6.
Condenser: *See*—
Electrolytic condenser.
Condenser assembly jig. M. H. Bennett. 1,979,856; Nov. 6.
Condenser construction. F. S. Smith. 1,979,290; Nov. 6.
Condiment holder. G. D. Burns. 1,979,446; Nov. 6.
Connecter: *See*—
Adjustable connecter.
Connection, Nonmetallic. R. J. Turner and F. H. Ragan. 1,980 117; Nov. 6.
Container: *See*—
Dual container. Paper container.
Envelope container. Refrigerator container.
Container. O. B. Andrews. 1,979,816; Nov. 6.
Container closure. J. B. Elsen. 1,979,458; Nov. 6.
Container for packaging sheet and fabric material. C. S. Andrews. 1,979,245; Nov. 6.
Container for powdered and granular substances, Measuring. R. J. Jackson. 1,980,061; Nov. 6.
Container setting-up machine. F. G. Peck. 1,979,993; Nov. 6.
Containers, Method and apparatus for manufacturing. G. O. Frostad. 1,979,827; Nov. 6.
Control apparatus. G. W. Kuntny. 1,979,330; Nov. 6.
Control apparatus, Hydropneumatic. T. F. Pike. 1,979,407; Nov. 6.
Control for hydraulic transmission, Dual. R. A. Schafer. 1,979,710; Nov. 6.
Control for radioreceivers, Remote. F. K. Vreeland. 1,979,588; Nov. 6.
Control means, Combination discharge and inflow. M. S. Young. Re19,366; Nov. 6.
Control mechanism for alternately operated motors. E. A. Winnewisser. 1,980,024; Nov. 6.
Control valve. A. C. Rowley. 1,980 096; Nov. 6.
Conversion products of casein. R. Bauer and G. Mauthe. 1,979,601; Nov. 6.
Converter. H. Tholstrup. 1,979,422; Nov. 6.
Convertible game board. W. E. Staff. 1,980,105; Nov. 6.
Conveyer. A. Redler. 1,980,088; Nov. 6.
Conveyer mechanism. W. F. Heineman. 1,979,799; Nov. 6.
Conveying mechanism. J. W. Harding. 1,979,878; Nov. 6.
Cooking device. S. Stepkin. 1,979,501; Nov. 6.
Cooler: *See*—
Milk cooler.
Cores from tires, Method and apparatus for removing. R. D. Hulslander. 1,979,552; Nov. 6.
Corn planter attachment. A. Miller. 1,980,074; Nov. 6.

Corrosion and corrosion resisting joints, Preventing. C. Dantsizen. 1,979,961; Nov. 6.
Cosmetic preparation. N. D. Harvey, jr. 1,979,385; Nov. 6.
Counting device. W. J. Thompson. 1,979,585; Nov. 6.
Coupling: *See*—
Split roller coupling.
Coupling gauging machine. A. Burge and J. T. Shelton. 1,979,731; Nov. 6.
Cover: *See*—
Can cover. Toilet seat cover.
Coverings, Product and process of making reenforced. R. H. Green. 1,979,684; Nov. 6.
Covers to containers, Securing. N. A. Fowler. 1,979,376; Nov. 6.
Crank and connecting rod connection. B. C. Mullin. 1,979,987; Nov. 6.
Crank for counterbalanced pumping units. Adjustable friction. G. Croom. 1,979,675; Nov. 6.
Crown slitter. J. S. Hagobian. 1,979,831; Nov. 6.
Current transformer, Constant. A. Pfeil. 1,979,769; Nov. 6.
Curtain and curtain saddle. S. M. Cowan. 1,979,674; Nov. 6.
Cushion and weather strip. W. C. Jackson. 1,979,691; Nov. 6.
Cushion, Chair. J. A. MacKay. Des. 93,780; Nov. 6.
Cushioning device. D. F. Sproul. 1,979,846; Nov. 6.
Cutter: *See*—
Weed cutter.
Cutter device. T. M. Lilleberg. 1,979,891; Nov. 6.
Cutting and stripping machine for pavement joints and the like. G. W. Huntington. 1,979,554; Nov. 6.
Cutting compound, Soluble, noncorrosive. E. F. Butts. 1,979,250; Nov. 6.
Cycle controller. F. J. Bast. 1,979,246; Nov. 6.
Desk. E. B. Morgan. 1,979,564; Nov. 6.
Detriting apparatus. E. B. Besselievre. 1,979,955; Nov. 6.
Diaper and the like. R. J. O'Brien and A. A. Rubin. 1,980,899; Nov. 6.
Dies, Lapping. W. E. Hoke. 1,979,689; Nov. 6.
Differential mechanism. T. C. Smith. 1,979,414; Nov. 6.
Director. W. P. Wilson. 1,979,720; Nov. 6.
Disazo compound for therapeutic use. J. Ebert. 1,979,534; Nov. 6.
Disazo compounds for therapeutic use. J. Ebert. 1,979,678; Nov. 6.
Dish, Insulated. C. I. Justheim. Re19,362; Nov. 6.
Disinfecting device. L. J. McDermott. 1,979,755; Nov. 6.
Dispenser: *See*—
Mail dispenser.
Dispensing apparatus. M. J. Horkavi. 1,980,057; Nov. 6.
Display case, Refrigerated. A. E. Knapp. 1,979,625; Nov. 6.
Display device. W. M. Martin and J. R. Green. 1,979,336; Nov. 6.
Display, Match holder. M. A. Bell. Des. 93,757; Nov. 6.
Display stand. R. M. Wilson. 1,979,514; Nov. 6.
Distribution system. J. S. Parsons. 1,979,703; Nov. 6.
Doorcheck. C. Fernandez. 1,979,826; Nov. 6.
Doorlatch. C. E. Dath. 1,979,456; Nov. 6.
Door operating apparatus. E. G. Parvin. 1,979,569; Nov. 6.
Double universal joint. J. W. B. Pearce. 1,979,768; Nov. 6.
Draft regulator. L. S. Chadwick and J. A. Dahlstrom. 1,979,885; Nov. 6.
Draft rigging. D. S. Barrows. 1,979,524; Nov. 6.
Drafting instrument. V. A. L. Asencio. 1,979,724; Nov. 6.
Draw works. H. L. Turney. 1,979,780; Nov. 6.
Drier: *See*—
Cake drier.
Drill: *See*—
Seed drill.
Drip-feed device. E. H. P. Young. 1,980,128; Nov. 6.
Drive device, Friction. A. P. Lewis. 1,979,561; Nov. 6.
Driving mechanism for revolving needle bars of combing and gilling machines. P. Van Hille. 1,979,509; Nov. 6.
Drum mixing machine, Side by side. E. L. Trangas. 1,979,915; Nov. 6.
Drum operating mechanism for portable cranes. T. N. Garson. 1,979,612; Nov. 6.
Dual container. C. B. Strauch. 1,979,777; Nov. 6.
Duplicating device. H. J. Reardon. 1,979,811; Nov. 6.
Duplicating machine. G. Sabik and S. Offer. 1,979,285; Nov. 6.
Dye intermediates, Water-soluble azo. F. B. Holmes and M. A. Dahlen. 1,979,327; Nov. 6.
Dyeing. H. L. Baker. 1,979,818; Nov. 6.
Dyestuff and obtaining same, Anthraquinone. A. Wolfram and E. Hausdörfer. 1,980,025; Nov. 6.
Dyestuff, of the diazine series. W. Vogt and E. Huber. 1,979,667; Nov. 6.
Earth working implement. E. M. Brodersen. Re19,360; Nov. 6.
Electric discharge device. W. Traub. 1,980,017; Nov. 6.
Electric heater. L. P. Hynes. 1,979,883; Nov. 6.
Electric heater. O. A. Knopp. 1,979,471; Nov. 6.
Electric heater. G. Van Daam. Des. 93,803; Nov. 6.
Electric machine, Dynamo. J. H. Blankenbuehler. 1,979,665; Nov. 6.
Electric machine, Fabricated dynamo. A. P. Wood. 1,980,026; Nov. 6.
Electric machine, Magneto. C. F. Reis. 1,979,812; Nov. 6.
Electric projection lamp. W. J. Geiger and A. T. Gaskill. 1,979,968; Nov. 6.
Electric switch. H. B. Austin. 1,979,852; Nov. 6.
Electric switch. H. F. McLoughlin and F. W. Osborne. 1,979,277; Nov. 6.
Electrical protective system. P. H. Estes. 1,979,256; Nov. 6.
Electrical protective system. L. H. Rovere and P. H. Estes. 1,979,284; Nov. 6.
Electrical rectifiers, Manufacture of. P. H. Dowling. 1,980,042; Nov. 6.
Electrical reproducer for disk records. H. Hübner. 1,980,137; Nov. 6.
Electrical tool. W. D. Hamer. 1,979,688; Nov. 6.
Electrode fragment holder, Azo welding metal. G. A. Bruce and A. A. Mace. 1,979,528; Nov. 6.
Electrode, Welding. J. C. Hodge and M. Christensen. 1,979,264; Nov. 6.
Electrolytic condenser. H. J. Tyzzer. 1,979,916; Nov. 6.
Electromagnetic process for surveying the deviations of drill holes. C. Schlumberger. 1,980,100; Nov. 6.
Electron discharge device. C. A. Boddie. 1,979,668; Nov. 6.
Electroplating process. W. M. Phillips and G. M. Cole. 1,979,996; Nov. 6.
Element structure for electron devices. W. L. Krahl. 1,980,068; Nov. 6.
Elevator. C. E. Ellis, jr. 1,979,679; Nov. 6.
Emblem, Safety. E. A. Krieg and A. T. Stromertz. Des. 93,772; Nov. 6.
Emulsions, Resolving. C. Tyler. 1,980,118; Nov. 6.
Enclosed arc lamp, Self-starting. C. H. Braselton. 1,980,032; Nov. 6.
Engine: *See*—
Internal combustion engine.
Reciprocating crosshead engine.
Engine scavenging and charging, Two-cycle. E. B. Pollister. 1,979,770; Nov. 6.
Envelope container. W. H. Vaughn. 1,979,917; Nov. 6.
Ester of hydroxybenzoic acid. L. P. Kyrides. 1,979,559; Nov. 6.
Esters, Manufacture of organic. W. S. Wilson. 1,979,515–16; Nov. 6.
Esters, Preparation of organic. W. E. Vail. 1,979,717; Nov. 6.
Esters, Production of rosin. D. C. Butts. 1,979,671; Nov. 6.
Ethanol, Halogenated. E. Goth, F. Kayser, and M. Kühn. 1,979,614; Nov. 6.
Ethers of 1,4-dihydroxy anthracene, Mono alkyl. G. Kränzlein and E. Runne. 1,979,628; Nov. 6.
Exercising machine. H. Casler and T. Williams. 1,980,036; Nov. 6.
Exercising machine. T. Williams and H. Casler. 1,979,783; Nov. 6.
Expansion fit, Making or separating an. W. H. Emrick. 1,980,156; Nov. 6.
Explosive. A. S. Fox and F. Rape. 1,979,681; Nov. 6.
Extractor. H. Lindenberger. 1,979,693; Nov. 6.
Eyes for dolls, toys, and the like, Artificial. J. Dunner. 1,979,321; Nov. 6.
Fastener: *See*—
Shoe fastener.
Fastening-inserting machine. W. Minard. 1,979,395; Nov. 6.
Fastening inserting machine. J. W. Pratt and H. Lane. 1,979,409; Nov. 6.
Fastening-inserting machine. J. F. Standish. 1,979,417; Nov. 6.
Faucet, Measuring. J. L. Wheeler. 1,979,428; Nov. 6.
Feed water regulator. V. V. Veenschoten. 1,979,299; Nov. 6.
Felt, paper, and the like, Making. B. C. Beckman and W. T. Hofmann. 1,979,819; Nov. 6.
Fence structure. H. G. Chapman. 1,979,866; Nov. 6.
Fertilizer distributor. C. H. Gunn. 1,979,541; Nov. 6.
Fertilizers, Manufacture of. M. Shoeld. 1,980,008; Nov. 6.
Filter cake discharge. H. W. Newton. 1,979,990; Nov. 6.
Filter cake, Method and apparatus for forming, compacting, and discharging. H. W. Newton and R. S. Butler. 1,979,991; Nov. 6.
Filter unit. J. J. Armstrong. Re19,359; Nov. 6.
Finishing, draining, and packing mechanism for centrifugal casting machines. M. T. Soso. 1,979,415; Nov. 6.
Fire extinguisher. H. B. Graham and S. F. Warren. 1,980,051; Nov. 6.
Fishing tackle case. M. Silverspitz. 1,980,104; Nov. 6.
Flash light operating device. E. L. Johnson and H. W. Comfort. 1,979,942; Nov. 6.
Flasher. J. Schmidinger. 1,979,349; Nov. 6.
Flatiron. C. C. Maurer. 1,979,631; Nov. 6.
Floor machine. W. S. Finnell. 1,979,797; Nov. 6.
Flower container stand. E. C. Gurganus. Des. 93,768; Nov. 6.
Fluid dispensing apparatus. J. C. Woodford. 1,980,148; Nov. 6.
Fly book. W. L. Knettles. 1,979,475; Nov. 6.
Folding chair. J. W. Beiger. 1,979,308; Nov. 6.
Folding chair. E. B. Morgan. 1,979,562; Nov. 6.
Folding mechanism. C. S. Crafts. 1,979,316; Nov. 6.
Folding table. J. B. O'Connor and J. E. Bales. 1,979,568; Nov. 6.

Foods, Apparatus for heat treating. G. Grindrod. 1,979,685; Nov. 6.
Force measuring machine. H. M. Cameron. 1,979,822; Nov. 6.
Form, Dental impression. S. R. Salvio. 1,979,493; Nov. 6.
Foundations, Preparing. S. O. Brune and O. Peterson. 1,979,670; Nov. 6.
Frame: *See*—
Cofferdam frame.
Fruit peel, Preserving. A. W. Stott. 1,980,013; Nov. 6.
Fruit picking bag. H. B. McClure. 1,979,632; Nov. 6.
Fuel feeding device, Impulse. E. A. Rockwell. 1,980,090; Nov. 6.
Fuel lubricating and antiknock materials, Motor. G. F. Ruddies. 1,980,097; Nov. 6.
Fuel, Nonknocking motor. M. Pier and F. Ringer. 1,979,841; Nov. 6.
Fuel pump. E. A. Rockwell. 1,980,091; Nov. 6.
Fuel, Treating. S. Buka. 1,979,730; Nov. 6.
Furnace: *See*—
Annealing furnace.
Furnace forehearth, Apparatus and process for heating glass. J. Ferguson. 1,979,610; Nov. 6.
Furniture leg or the like. R. T. Campbell. Des. 93,760; Nov. 6.
Fuse. A. G. Steinmayer and W. D. Kyle. 1,979,418; Nov. 6.
Fuse, Mechanical time. A. Varaud. 1,979,426; Nov. 6.
Fuse, Plug. N. M. Stephenson. 1,979,715; Nov. 6.
Fusion welding, Apparatus and method for. J. L. Anderson. 1,979,243; Nov. 6.
Game. J. Pressman. 1,979,345; Nov. 6.
Game. B. F. Wupper. 1,979,431; Nov. 6.
Game apparatus. B. F. Finn. 1,979,459; Nov. 6.
Game apparatus. D. Gottlieb. Des. 93,767; Nov. 6.
Game board. E. J. Wohlfeld. Des. 93,804; Nov. 6.
Game device. W. J. Thompson. 1,979,584; Nov. 6.
Garment hanger. L. H. Hall. 1,979,687; Nov. 6.
Garment or ironing press. E. Davis. 1,979,962; Nov. 6.
Garment protector. H. T. Meek. 1,979,983; Nov. 6.
Garments and product thereof, Making. S. Wachtel and L. B. Zeldis. 1,979,300; Nov. 6.
Gas and water gas, Making mixed oil. H. G. Terzian. 1,980,115; Nov. 6.
Gas cut-off, Automatic thermogravity. E. U. Benson. 1,979,857; Nov. 6.
Gas detector. A. L. Marshall. 1,979,976; Nov. 6.
Gas pilot control. J. A. Perry and E. J. Brady. 1,980,085; Nov. 6.
Gasket, Blind. W. B. Mathews. 1,979,806; Nov. 6.
Gate: *See*—
Hot gas gate. Safety gate.
Gauge: *See*—
Airplane gasoline gauge.
Gauge glass illuminator. D. R. McMullen. 1,979,982; Nov. 6.
Gear assembly Cartridge type drive. D. C. Klausmeyer and T. L. Gibson. 1,979,474; Nov. 6.
Gear changing mechanism, Automatic. J. Grisenti. 1,979,830; Nov. 6.
Gear shift, Automatic pneumatic. H. E. Pérez. 1,979,488; Nov. 6.
Gears, Method of and machine for grinding. R. S. Condon. 1,979,870; Nov. 6.
Generator: *See*—
Oscillation generator. Steam generator.
Getter material, Making. S. Umbreit. 1,979,506; Nov. 6.
Glass, Apparatus for making and refining. J. Ferguson. 1,979,609; Nov. 6.
Glass article. I. O. Pedersen and E. G. Stahle. 1,979,573; Nov. 6.
Glass forming machine. I. H. Freese. 1,980,047; Nov. 6.
Glass molding apparatus. A. R. Bethel. 1,979,661; Nov. 6.
Glass surfaces, Chemically etching. H. E. Wetherbee. 1,980,021; Nov. 6.
Golf club. G. E. Barnhart. Des. 93,756; Nov. 6.
Golf club. H. M. Brading. 1,980,031; Nov. 6.
Grade crossing construction, Railway. R. T. Bell. 1,979,790; Nov. 6.
Gramophone Automatic. G. S. Mann. 1,979,276; Nov. 6.
Grease, Lubricating. E. N. Klemgard. 1,979,943; Nov. 6.
Grinder, Knife. F. W. Seybold. 1,979,775; Nov. 6.
Grinding and polishing apparatus. H. Goldberg. 1,979,325; Nov. 6.
Ground rod. W. R. Webster. 1,980,020; Nov. 6.
Group feed distribution system. J. J. Shoemaker and R. E. Schwarz. 1,979,353; Nov. 6.
Guard for machines, Safety. G. E. Drum and W. H. Jaxheimer. 1,979,457; Nov. 6.
Gypsum, Producing high strength calcined. W. S. Randel, M. C. Dailey, and W. M. McNeil. 1,979,704; Nov. 6.
Hair, Apparatus for the waving of the. F. O. Conill. 1,979,531; Nov. 6.
Hammer, Swaging. H. Bechè. 1,979,931; Nov. 6.
Handle: *See*—
Tool handle.
Handle or knob for a rheostat or the like. A. W. Krieger. Des. 93,773; Nov. 6.
Hanger: *See*—
Clothes hanger. Garment hanger.
Harvester pick-up. W. F. MacGregor. 1,979,974; Nov. 6.
Hat ironing and finishing machine. S. C. Markatos. 1,979,698; Nov. 6.
Head-down persuader. A. P. Schneider. 1,980,101; Nov. 6.
Headstock for lathes. C. Bouillon. 1,979,443; Nov. 6.
Heat exchange apparatus. C. H. Leach. 1,979,751; Nov. 6.
Heat exchange processes, Apparatus for carrying out. G. Bojner. 1,979,602; Nov. 6.
Heat exchanger, Plural unit. W. W. Carson, jr. 1,979,732; Nov. 6.
Heat exchanging device. P. Maniscalco. 1,979,975; Nov. 6.
Heat treatment. W. S. Bowling. 1,979,820; Nov. 6.
Heater: *See*—
Electric heater. Water heater.
Heater. M. Arnold. Des. 93,755; Nov. 6.
Heel. A. P. J. Watkin and G. J. Winter. 1,980,122; Nov. 6.
Heel and reenforcing and nail retaining member therefor, Rubber. L. E. Wilt. 1,980,127; Nov. 6.
Heel-seat fitting machine. G. Hazelton. 1,979,386; Nov. 6.
Hematite, Floating. A. M. Gaudin. 1,979,324; Nov. 6.
Hinge bracket. A. F. Beck. 1,979,854; Nov. 6.
Hinge construction, Butt. A. G. Lyons. 1,979,894; Nov. 6.
Hob manufacture. J. Edgar. 1,979,535; Nov. 6.
Holder: *See*—
Collapsible reservoir holder. Plant label holder.
Condiment holder. Rope and cable holder.
Electrode fragment holder. Shade, curtain and drape holder.
Pencil holder.
Holder for cosmetics and the like. G. C. Fullmer. 1,979,828; Nov. 6.
Holding device. O. A. McNamee and C. P. Vaill. 1,979,756; Nov. 6.
Hollow articles, Forming. W. L. Peters, D. R. Feemster, and W. H. Schomburg. 1,980,143; Nov. 6.
Hosiery heel and making same. J. M. Allen. 1,979,360; Nov. 6.
Hat-box indicator. H. W. Faus. 1,979,875; Nov. 6.
Hot gas gate. K. F. Juengling. 1,979,885; Nov. 6.
Humidifier. E. S. Lea. 1,979,630; Nov. 6.
Hydraulic machine, Rotary. A. Hollander. 1,979,622; Nov. 6.
Hydraulic rotatory and translatory device. H. Bénit. 1,979,439; Nov. 6.
Hydraulic spoke wheel. M. Hénap. 1,979,935; Nov. 6.
Illuminating, advertising, display, and demonstrating sign. T. B. Stephenson. 1,979,776; Nov. 6.
Inclination, Device for indicating. T. L. Lynch, H. L. Rilling, and H. A. Redfield. 1,979,481; Nov. 6.
Indicator: *See*—
Hat-box indicator.
Mercury boiler level indicator.
Indicator for chronometers and the like. F. R. Smith. 1,979,289; Nov. 6.
Inflow controlling and fluid discharge means, Combination. M. S. Young and A. Novick. 1,979,850; Nov. 6.
Initial and insignia device, Ornamental. E. S. Mix. 1,980,075; Nov. 6.
Insect exterminator, Electric. H. Israel and A. H. Roehr. Des. 93,770; Nov. 6.
Insulating means. W. E. Robertson. 1,979,490; Nov. 6.
Insulation. E. Pfitzer. 1,979,995; Nov. 6.
Insulation for doors. R. J. Olander. 1,979,636; Nov. 6.
Internal combustion engine. C. H. Kenneweg. 1,979,746; Nov. 6.
Internal combustion engine. C. H. Sergeant. 1,979,711; Nov. 6.
Iron, Production of sponge. W. D. Brown. 1,979,729; Nov. 6.
Ironing board. M. J. Rutledge. 1,980,098; Nov. 6.
Joint: *See*—
Bolted pipe joint. Double universal joint.
Key. C. L. Coughlin. 1,979,960; Nov. 6.
Key, Sectional. R. B. Glidden. 1,979,798; Nov. 6.
Kitchen novelty maid. F. E. Rocus. Des. 93,796; Nov. 6.
Knife. A. P. B. Hourin. 1,980,058; Nov. 6.
Label removing machine. J. R. Gruetter. 1,979,383; Nov. 6.
Ladder web or Venetian blinds. G. F. French. 1,980,048; Nov. 6.
Lamp: *See*—
Electric projection lamp. Safety lamp.
Enclosed arc lamp.
Lamp for road vehicles. J. A. Stevens. 1,979,650; Nov. 6.
Lasting machine. B. Jorgensen. 1,979,269; Nov. 6.
Lasts, Manufacture of. P. Amann and A. Pic. 1,979,597; Nov. 6.
Layout and apparatus for handling wires or strips. P. R. Johnson, J. Statz, and W. A. Wallsten. 1,980,138; Nov. 6.
Layer control for airfoils, Boundary. C. C. Jones. 1,980,139; Nov. 6.
Lead-sodium alloy. F. B. Downing and L. S. Bake. 1,979,254; Nov. 6.
Lead suboxide to litharge, Apparatus for converting. L. S. Eshimura. 1,979,745; Nov. 6.
Leer. A. R. Bethel. 1,979,662; Nov. 6.
Lens grinding machine. W. C. Priest. 1,979,489; Nov. 6.
Lens system. W. G. Wolfe. 1,980,147; Nov. 6.
Leveling bar. C. Still. 1,979,419; Nov. 6.
Light: *See*—
Candle light.
Lighter, Electric cigar. S. L. Wolfson. 1,980,157; Nov. 6.

Lighting device. O. J. Leins. 1,979,332; Nov. 6.
Lighting system and apparatus. T. L. Zauskey. 1,979,658; Nov. 6.
Liners, Apparatus for making. A. E. F. Moone. 1,979,985; Nov. 6.
Link, Separable. G. E. Williams. 1,980,126; Nov. 6.
Liquid dispensing and cooling device. G. Felesina and W. Bellmer. 1,979,323; Nov. 6.
Liquid fuel burner. J. Fletcher. 1,980,132; Nov. 6.
Liquid fuel burner. H. F. Mélot. 1,979,757; Nov. 6.
Lock: *See*—
Bag lock. Click lock.
Lock. E. N. Jacobi. 1,979,938; Nov. 6.
Lock and container. L. G. Payne. 1,979,405; Nov. 6.
Lock and fitting the same to a predetermined key change, Tumbler. E. N. Jacobi. 1,979,939; Nov. 6.
Lock for door traps and the like. S. Schneider and D. F. Murphy. 1,979,497; Nov. 6.
Lock for spring switches, Power-operated. J. A. Peabody. 1,980,084; Nov. 6.
Lock mechanism. A. G. Lyons. 1,979,893; Nov. 6.
Lock mechanism. A. Main. 1,979,805; Nov. 6.
Locking cap. W. C. Schofield. 1,980,003; Nov. 6.
Locomotive booster construction. M. H. Roberts. 1,979,904; Nov. 6.
Logaritimic calculating mechanism. R. B. Wasson. 1,979,512; Nov. 6.
Loud speaker. W. F. Cotter and M. E. Bond. 1,979,453; Nov. 6.
Lubricating apparatus. E. W. Davis. 1,979,370; Nov. 6.
Lubricating device for twister rings. H. B. Stuart. 1,979,778; Nov. 6.
Lubrication, Central. J. Bijur. 1,979,247; Nov. 6.
Lubricator: *See*—
Rail and wheel flange lubricator.
Lubricator. J. R. Warner. 1,979,591; Nov. 6.
Machine fixture. J. P. Melcher and W. D. Cappe. 1,979,897; Nov. 6.
Machine for infolding and creasing blanks. W. L. Dixon. 1,979,872; Nov. 6.
Machine for making box tops and bottoms. A. J. Ambrose. 1,979,433; Nov. 6.
Machine for making ice-cream cones and the like. J. P. Groset and C. J. Halset. 1,979,259; Nov. 6.
Machine for marking shingles. F. B. Huntington. 1,979,744; Nov. 6.
Machine for rolling screw threads. G. H. Wayne. 1,979,919; Nov. 6.
Machine for shaping uppers over lasts. G. P. Swales, W. T. B. Roberts, and H. Lane. 1,979,420; Nov. 6.
Machine for winding material of ribbon like form into rolls. J. J. Lyth. 1,979,334; Nov. 6.
Magnesium alloy. H. S. Cooper. 1,979,452; Nov. 6.
Magnetic strips or tapes, Production of. H. Sprung. 1,980,011; Nov. 6.
Mail box and reflected sign, Combined. H. W. Bennett and F. Townsley. 1,979,727; Nov. 6.
Mail dispenser. G. L. Scoville. 1,979,774; Nov. 6.
Manganese-molybdenum-vanadium steel and articles made therefrom. S. D. Williams. 1,979,594; Nov. 6.
Manure loader and spreader. F. N. G. Kranick. 1,979,945; Nov. 6.
Marker, Garden. F. C. Martini. 1,979,979; Nov. 6.
Marker, Garment hem. J. M. Barrett. 1,979,789; Nov. 6.
Marker, Grave. F. R. Taylor. Des. 93,801; Nov. 6.
Marking, printing, and embossing machine. E. Roberts, jr. 1,979,640; Nov. 6.
Mat for drawers, Protective. K. Simmons. 1,979,578; Nov. 6.
Material, Apparatus for spraying. R. M. Stephenson. 1,979,649; Nov. 6.
Material kicking machine. C. Clark. 1,979,530; Nov. 6.
Materials, Marking. W. S. Lawrence, V. Tuma, and I. F. B. Hutton. 1,979,331; Nov. 6.
Materials, Method and apparatus for coating and drying. H. G. Rappolt and L. B. Case. 1,979,346; Nov. 6.
Measurement and control, System of. P. A. Borden. 1,979,311; Nov. 6.
Meat cutting machine. A. C. Van Hooydonk. 1,979,587; Nov. 6.
Meat slicing machine. E. G. Streckfuss. 1,979,847; Nov. 6.
Meat-tendering machine. F. W. Sanford and F. G. Marbach. 1,979,494; Nov. 6.
Mechanical appliance for removing feathers, stubs, and down from fowls, game-birds, ducks, geese or the like. A. G. Budd and H. Barton. 1,980,034; Nov. 6.
Mechanical arm and hand. E. H. and C. H. Wiley. 1,979,782; Nov. 6.
Merchandise display device. H. B. Hyams. 1,979,833; Nov. 6.
Mercury-arc rectifier, Sectional. A. L. Atherton. 1,979,660; Nov. 6.
Mercury boiler level indicator. H. Stelling. 1,980,012; Nov. 6.
Metal leaf, Production of refractory. B. C. Gardner and R. H. Varian. 1,979,539; Nov. 6.
Metal, Method of and apparatus for drawing sheet. G. L. Kelley. 1,979,472; Nov. 6.
Metal sampling, Molten. C. B. Francis. 1,979,737; Nov. 6.
Metal working method and apparatus, Electric. C. A. Cadwell. 1,979,529; Nov. 6.
Metallic objects, Coating. M. L. Myers. 1,979,486; Nov. 6.
Meter: *See*—
Modulation meter.
Meter apparatus. J. C. Diehl. 1,979,607; Nov. 6.
Meter box. M. J. Lewis. 1,979,949; Nov. 6.
Meter sealing device. H. A. Bakke. 1,979,928; Nov. 6.
Milk cooler. W. J. M. Wroten. 1,979,785; Nov. 6.
Mining apparatus. M. P. Holmes. 1,979,265; Nov. 6.
Mining machine. M. P. Holmes. 1,979,266; Nov. 6.
Mining machine. W. A. Logan. 1,979,694; Nov. 6.
Mirror, Rear view. F. W. Zink. 1,980,149; Nov. 6.
Modulation meter. J. D. Booth. 1,979,669; Nov. 6.
Molds, Apparatus and method for indicating defective. O. E. Andrus. 1,979,786; Nov. 6.
Molding machine. E. M. Staples. 1,979,581; Nov. 6.
Molding or reveal, Outside. C. H. Widman. 1,980,023; Nov. 6.
Moldings and shaped sections from fiber boards, wood pulp boards, crushed cane boards, beaver boards, and the like, Process and apparatus for the manufacture of. J. Rogerson. 1,979,905; Nov. 6.
Motor. W. S. Elliott. 1,979,537; Nov. 6.
Motor-compressor unit. G. Andresen. 1,979,851; Nov. 6.
Motor controlling apparatus. R. Lee. 1,979,890; Nov. 6.
Motor mechanism, Electric. F. van der Woude. 1,979,357; Nov. 6.
Motor mechanism, Tandem. F. van der Woude. 1,979,425; Nov. 6.
Mounting for reflector units in signs. R. W. Luce. 1,979,695; Nov. 6.
Mounting, Hub cap. D. L. Maker. 1,979,895; Nov. 6.
Mounting, Pole. G. B. Spring. 1,979,580; Nov. 6.
Music, Apparatus for the production of. B. F. Miessner. 1,979,633; Nov. 6.
Musical instrument. G. B. Nygren. 1,979,635; Nov. 6.
Napkin, Paper. P. A. Fischer. 1,979,876; Nov. 6.
Napkin, Paper. M. Hausen. 1,980,059; Nov. 6.
Nipple or the like. C. W. Meinecke. Des. 93,784; Nov. 6.
Nozzle. T. Tafel, jr. 1,979,504; Nov. 6.
Nuts, Apparatus for blanching. E. T. Harbaugh. 1,979,384; Nov. 6.
Obstruction remover for sink drains and the like. W. F. Schacht. 1,980,099; Nov. 6.
Oil and product derived therefrom, Mixed synthetic. C. G. Gauerke. 1,979,260; Nov. 6.
Oil, Apparatus for heating and cracking. L. L. Rebber, A. S. Crossfield, and E. G. Ragatz. 1,979,639; Nov. 6.
Oil burning apparatus. F. A. Heath. 1,979,465; Nov. 6.
Oil conversion, Hydrocarbon. N. G. de Rachat. 1,979,532; Nov. 6.
Oil press. G. E. Ryan. 1,980,000; Nov. 6.
Oil wells and the like, Preventing choking of. J. T. King. 1,979,558; Nov. 6.
Oils, Treating hydrocarbon. O. Behimer. 1,979,437; Nov. 6.
Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,979,565; Nov. 6.
Ore drying apparatus. R. R. Burns. 1,979,312; Nov. 6.
Ore material, Chloridizing. R. L. Sessions. 1,979,287; Nov. 6.
Ore materials, Chloridizing. T. A. Mitchell. 1,979,280; Nov. 6.
Ore materials, Treating. T. A. Mitchell. 1,979,279; Nov. 6.
Ores, Chloridizing. T. A. Mitchell. 1,979,281; Nov. 6.
Ornament and making the same, Christmas tree. P. Kranz and A. P. Schmid. 1,979,887–8; Nov. 6.
Ornament, Apparel. H. E. McAdams. 1,979,980; Nov. 6.
Oscillation generation. H. O. Peterson. 1,979,994; Nov. 6.
Oxides of nitrogen, Storing. I. Hechenbleikner. 1,979,544; Nov. 6.
Oxygen cutting apparatus. C. T. Evans. 1,979,965; Nov. 6.
Package. W. A. Spalding. 1,979,714; Nov. 6.
Package and article handling implement. C. Hellwig. 1,979,618; Nov. 6.
Package opening device. J. Robertson. 1,979,641; Nov. 6.
Packing gland, Fluid sealed. A. Baumann. 1,979,525; Nov. 6.
Pad: *See*—
Pneumatic crutch pad.
Paint and varnish remover containing petroleum hydrocarbons, Equilibrated. C. Ellis. 1,980,043; Nov. 6.
Painting mask for wheels. F. A. Neuman. 1,979,989; Nov. 6.
Pan, Multiple pie baking. F. W. Birkenhauer. 1,979,664; Nov. 6.
Pan support. G. P. Flanagan. 1,980,131; Nov. 6.
Panel, Illuminated. K. C. Welch. 1,979,358; Nov. 6.
Paper and board manufacture. F. L. Carson. 1,979,864; Nov. 6.
Paper can. J. G. Witte. 1,979,923; Nov. 6.
Paper container, Laminated. J. Olson. 1,979,992; Nov. 6.
Paper winder. E. E. Berry. 1,979,310; Nov. 6.
Paper, Wrapping. A. Lewin. Des. 93,779; Nov. 6.
Paving material, Process and apparatus for forming. J. B. Chapline. 1,979,251; Nov. 6.
Pear treating apparatus. M. Ewald. 1,979,322; Nov. 6.
Peeler, Fruit and vegetable. R. V. Grayson. 1,979,615; Nov. 6.
Pencil holder. N. Ritch. 1,979,773; Nov. 6.
Petroleum emulsions, Breaking. C. H. M. Roberts. 1,979,347; Nov. 6.
Petroleum oil, Process and apparatus for converting. J. G. Alther. 1,979,521; Nov. 6.

Petroleum products, Sweetening. H. H. Cannon. 1,979,448; Nov. 6.
Petroleum refining apparatus. E. A. Dickinson. 1,979,734; Nov. 6.
Phonograph. H. F. M. Gramann. 1,979,829; Nov. 6.
Photographic apparatus. L. Misonne. 1,979,397; Nov. 6.
Picture machine, Automatic film threading motion. R. P. May. 1,979,700; Nov. 6.
Picture projecting machine, Motion. A. S. Howell. 1,979,800; Nov. 6.
Pigment and making the same, Zinc-base white. H. A. Gardner. 1,979,379; Nov. 6.
Pigment and method of manufacture. H. A. Gardner. 1,979,380; Nov. 6.
Pigment, Production of iron oxide. R. O. Wood. 1,979,595; Nov. 6.
Pile point. W. L. Bald and E. S. Deakyne. 1,979,599; Nov. 6.
Pipe and the like, Lining concrete. W. A. Whiting. 1,979,655; Nov. 6.
Pipe, Apparatus for wrapping. N. D. Whitman. 1,979,656; Nov. 6.
Pipe clamp. F. A. Engel. 1,979,680; Nov. 6.
Pipe, Drawing bell and spigot-type. I. O. Pedersen. 1,979,571; Nov. 6.
Pipe engaging slip. J. H. Howard. 1,979,389; Nov. 6.
Pipe joint packing device. F. A. Engel, F. V. Lawrence, and F. Hudson. 1,979,255; Nov. 6.
Pipe or rod coupling and joint. F. H. Mueller. 1,979,760; Nov. 6.
Pipe section. J. E. Trainer and C. M. Day. 1,979,424; Nov. 6.
Pipe sections, Joining bell and spigot. J. C. Johnston. 1,979,470; Nov. 6.
Piping for sprinkler systems, Distributing. P. J. Neilon. 1,979,400; Nov. 6.
Piston. L. Freedman. 1,979,967; Nov. 6.
Piston. E. Mahle. 1,979,335; Nov. 6.
Piston balancing machine. J. G. Coleman. 1,979,959; Nov. 6.
Piston, Composite. C. R. Short. 1,979,498; Nov. 6.
Piston ring sizing machine. J. J. O'Neill. 1,979,637; Nov. 6.
Piston rings and cleaning grooves, Device for compressing. R. L. Pawsat. 1,979,767; Nov. 6.
Plane, Power actuated hand. H. U. Hedeby. 1,980,056; Nov. 6.
Plant label holder, Weatherproof. E. Beckett. 1,979,932; Nov. 6.
Plastering base. C. Merryweather. 1,979,701; Nov. 6.
Plate, Cake. E. O. Steudel. 1,979,911; Nov. 6.
Plug device, Electrical. L. P. Clark, jr. 1,979,958; Nov. 6.
Plugging device. M. M. Kinley. 1,979,802; Nov. 6.
Pneumatic crutch pad. C. M. Fallon. 1,980,044; Nov. 6.
Pneumatic dispatch system. C. S. Jennings and F. R. Talsey. 1,979,801; Nov. 6.
Pneumatic inner tube. C. Bradley. 1,979,249; Nov. 6.
Pocketbook. J. Filipowicz. 1,980,133; Nov. 6.
Pontoon floating deck for tanks. A. A. Kramer. 1,979,272; Nov. 6.
Pool, Recreation. F. B. Hunter. 1,979,623; Nov. 6.
Popgun barrel. A. J. Decker and J. Gora. 1,979,963; Nov. 6.
Portable receptacle. A. Halpin. 1,979,263; Nov. 6.
Post terminal, Binding. S. S. Stolp. 1,979,582; Nov. 6.
Powder dispensing device. S. C. Stimson. 1,979,294; Nov. 6.
Power, Hydraulic transmission of. T. W. Paterson. 1,979,570; Nov. 6.
Power line reactor. W. F. Cotter and M. E. Bond. 1,979,314; Nov. 6.
Power transmission mechanism. C. E. Henriod. 1,979,742; Nov. 6.
Power transmitter. G. Bauer and C. Schmieske. 1,979,930; Nov. 6.
Power transmitting apparatus. E. R. Llewellyn. 1,979,333; Nov. 6.
Press: *See*—
Garment or ironing press. Oil press.
Pressure actuated valve. P. A. Kinzie. 1,980,067; Nov. 6.
Pressure switch. S. R. Du Brie. 1,979,608; Nov. 6.
Printer, Hand. E. Anderson. 1,979,927; Nov. 6.
Printing. J. Elmer and B. J. Kelly. 1,979,735; Nov. 6.
Program distribution system. W. F. Cotter and M. E. Bond. 1,979,313; Nov. 6.
Projecting apparatus. A. E. Wier. 1,979,921; Nov. 6.
Projector, Light. R. C. Engelken and H. A. Kliegel. Des. 93,766; Nov. 6.
Prop, Pit. W. Sylvester. 1,979 503; Nov. 6.
Propeller control. F. and B. Haidle. 1,979,616; Nov. 6.
Propeller shaft with rubber cushion. H. D. Geyer. 1,979,969; Nov. 6.
Protective system. N. J. McAlister. 1,979,754; Nov. 6.
Protector: *See*—
Cable terminal protector. Garment protector.
Pulp article, Molded. M. P. Chaplin. 1,979,794; Nov. 6.
Pump: *See*—
Balanced turbulence pump. Fuel pump.
Pump. E. H. Carruthers. 1,979,863; Nov. 6.
Pump. L. H. Labaw. 1,979,476; Nov. 6.
Pump motor, compressor or the like. B. Conklin. 1,979,368; Nov. 6.
Pumping device. H. W. Parker. 1,979,342; Nov. 6.
Pumping unit, Straight lift. C. M. Livingston. 1,979,803; Nov. 6.
Rack and tire carrier, Luggage. R. F. Newton. 1,979,809; Nov. 6.
Radiator and humidifier, Combination. H. S. Welsh and W. C. Barber. 1,979,427; Nov. 6.
Radiator shutter. E. G. Petersen. 1,979,810; Nov. 6.
Radio apparatus. W. F. Cotter. 1,979,315; Nov. 6.
Radio selector drive. F. Spangler. 1,979,416; Nov. 6.
Radius turning tool. H. J. Chedester. 1,979,252; Nov. 6.
Rail and wheel flange lubrication, Railway and tramway. B. G. Butcher and W. E. Jupe. 1,979,447; Nov. 6.
Rail and wheel flange lubricator. H. B. Bates. 1,979,307; Nov. 6.
Rail bond. V. E. Dupuy. 1,979,533; Nov. 6.
Railroad. D. B. Akers. 1,980,028; Nov. 6.
Rail supporting structure, Railroad. W. N. Keurvorst. 1,979,329; Nov. 6.
Railway leveling device. J. H. Keith. 1,979,886; Nov. 6.
Railways, tramways, or the like, Apparatus for testing the permanent way of. C. A. Cardew. 1,980,035; Nov. 6.
Raking and picking up tool. L. A. Lopez. 1,979,752; Nov. 6.
Ranges, Device for relighting gas. M. P. Janisch. 1,979,468; Nov. 6.
Razor blade honing and stropping device. C. Newman. 1,979,282; Nov. 6.
Razor blade sharpening machine. E. G. Gilson. 1 979,970; Nov. 6.
Razor, Safety. B. Åström. 1,980,029; Nov. 6.
Razor, Safety. R. W. Pautler. 1,979,404; Nov. 6.
Reagents in lead refining, Removal of residual dehismuthizing. J. O. Betterton and Y. E. Lebedeff. 1,979,442; Nov. 6.
Receptacle: *See*—
Baking receptacle. Shipping receptacle.
Portable receptacle.
Receptacle for carbonating and dispensing liquids. E. Jacobs. 1,979,390; Nov. 6.
Receptacle for liquids. A. Rivera. 1,979,903; Nov. 6.
Receptacles and article produced thereby, Forming. I. Pedersen and E. G. Stahle. 1,979,572; Nov. 6.
Reciprocating-crosshead engine. K. O. Keller. 1,979,557; Nov. 6.
Recording instrument. T. J. Smulski. 1,979,713; Nov. 6.
Recuperator. T. W. Munford. 1,980,077; Nov. 6.
Reel. W. G. Brown and G. A. Gleason. 1,980,153; Nov. 6.
Reflectometer. F. A. Benford. 1,979,952; Nov. 6.
Refreshment stand, Portable. J. F. Huckel. 1,979,549; Nov. 6.
Refrigerating apparatus. L. A. Philipp. 1,979,638; Nov. 6.
Refrigerating apparatus. M. M. Roberts. 1,979,842; Nov. 6.
Refrigerating apparatus. H. F. Smith. 1,979,291; Nov. 6.
Refrigerating apparatus, Absorption. P. Köhler. 1,979,482; Nov. 6.
Refrigeration. E. Rice, jr. 1,980,089; Nov. 6.
Refrigeration unit, Mechanical. F. J. Heldeman. 1,979,617; Nov. 6.
Refrigerator closure. W. G. and G. R. Seeger. 1,980,005; Nov. 6.
Refrigerator container. W. J. Madden. 1,980,070; Nov. 6.
Register. L. E. Heasley. 1,979,543; Nov. 6.
Regulating device using copper oxide rectifiers. B. E. O'Hagan. 1,980,142; Nov. 6.
Regulator: *See*—
Draft regulator. Window regulator.
Feed water regulator.
Relay, Electric. W. F. Cotter and M. E. Bond. 1,980,038; Nov. 6.
Relay, Electric. L. F. Curtis. 1,979,317; Nov. 6.
Resorcinol, Flaked. I. Gubelmann. 1,979,971; Nov. 6.
Retreader. L. O. Grange. 1,980,134; Nov. 6.
Ring and ornamental pin, Combination finger. P. Mertens. 1,979,702; Nov. 6.
Road building machine. D. A. Hemstreet and J. W. Bell. 1,979,619; Nov. 6.
Rock drill fluid cleansing means. M. C. Huffman. 1,979,551; Nov. 6.
Rod: *See*—
Ground rod.
Rope and cable holder. C. K. Mattson. 1,980,072; Nov. 6.
Rotor for magnetos. C. F. Reis. 1,979,813; Nov. 6.
Rule, Folding. C. M. Nicholson. 1,979,567; Nov. 6.
Sadiron. A. E. Reimers. 1,979,574; Nov. 6.
Safety device. C. E. Morgenstern. 1,979,839; Nov. 6.
Safety device for gas mains. H. Beddoes and H. E. Schlenz. 1,979,933; Nov. 6.
Safety device for gas pilots. W. S. Walker and T. Forberg. 1,980,120; Nov. 6.
Safety gate. W. W. Cushing and R. K. Palmer. 1,979,369; Nov. 6.
Safety lamp. H. W. Lueck, and C. H. and U. Davis. 1,979,837; Nov. 6.
Salt bath for carburizing iron, steel, and the like, Fused. W. Beck and K. Bonath. 1,980,152; Nov. 6.
Sandwich rolls, Apparatus for making. C. H. Wilkes and O. Werner. 1,979,429; Nov. 6.
Sash. C. E. Lyon. 1,979,951; Nov. 6.
Sash control. J. L. Turner. 1,979,654; Nov. 6.
Scale, Bathroom. I. Florman. 1,980,045; Nov. 6.
Scale, Infant. A. Bousfield. 1,979,364; Nov. 6.

Scoop board for vehicle boxes. H. A. Nelson. 1,979,401; Nov. 6.
Score displaying means. H. L. White. 1,979,593; Nov. 6.
Screen: *See*—
Shaking screen. Slumber screen.
Screw driver. H. S. Forsberg. 1,979,460; Nov. 6.
Sculling exerciser. A. V. Terry. 1,979,716; Nov. 6.
Seal. L. J. Thompson. 1,979,356; Nov. 6.
Seal for floating tank roofs. J. H. Wiggins. 1,979,657; Nov. 6.
Seat: *See*—
Chair seat. Spring suspension seat.
Seat. S. and N. J. Kroll. Des. 93,774; Nov. 6.
Seat for vehicles, Adjustable. M. P. Browne. 1,979,860; Nov. 6.
Seed drill. H. M. Leake. 1,979,948; Nov. 6.
Separator. J. G. Sniffin. 1,979,500; Nov. 6.
Service station. R. Smith, jr. Des. 93,797; Nov. 6.
Settee. F. and A. Mastrangelo. Des. 93,782–3; Nov. 6.
Sewage sludge, Handling. W. S. Shields. 1,979,647; Nov. 6.
Sewing machine, Automatic. H. Perlesz. 1,980,001; Nov. 6.
Shade, curtain, and drapery holder. M. Gendich. 1,980,050; Nov. 6.
Shafts for golf clubs, Forming. C. Wright. 1,979,430; Nov. 6.
Shaking screen. D. M. Blackburn. 1,979,791; Nov. 6.
Sharpener, Razor blade. W. J. Koller. 1,979,271; Nov. 6.
Shear guide. R. R. Seft. 1,979,413; Nov. 6.
Shears, Trimming. E. Rose. 1,980,092; Nov. 6.
Sheave. G. H. Weber. 1,980,123; Nov. 6.
Sheet pyroxylin, Finishing. R. G. O'Kane and E. R. Derby. 1,979,762; Nov. 6.
Shelf, Sanitary. T. I. Potter and A. E. Carlson. 1,979,902; Nov. 6.
Shield for cables, Concentric. H. Nyquist. 1,979,402; Nov. 6.
Shingle. J. W. Cannon. 1,979,862; Nov. 6.
Shingle and manufacturing the same. N. P. Harshberger. 1,980,053; Nov. 6.
Shipping receptacle. E. Milani. 1,979,759; Nov. 6.
Shock absorber. E. F. Rossman. 1,979,491; Nov. 6.
Shock absorbing means. W. K. Howe. 1,980,136; Nov. 6.
Shoe. B. Benjamin. Des. 93,758; Nov. 6.
Shoe. V. De Liso. Des. 93,761; Nov. 6.
Shoe. D. Levin. Des. 93,777–8; Nov. 6.
Shoe. M. Mullin. Des. 93,786; Nov. 6.
Shoe. A. Perugia. Des. 93,788–9; Nov. 6.
Shoe. H. K. Phifer. Des. 93,790–3; Nov. 6.
Shoe. A. Turiansky. Des. 93,802; Nov. 6.
Shoe. B. Zegorav. Des. 93,805; Nov. 6.
Shoe fastener. H. J. Pote. 1,980,086; Nov. 6.
Shoe roughing tool. G. Goddu. 1,979,381; Nov. 6.
Shoe sole. H. Laybolt. 1,979,391; Nov. 6.
Shoe structure. R. B. Frazier. 1,979,461; Nov. 6.
Sign flasher. T. J. Mudon. 1,979,807; Nov. 6.
Signal: *See*—
Automatic road signal.
Signal. P. H. Chase. 1,980,037; Nov. 6.
Signaling system. S. M. Kenerson. 1,979,328; Nov. 6.
Silk, Method and apparatus for spooling artificial. A. J. L. Moritz. 1,979,898; Nov. 6.
Silk, Production of artificial. W. Ostermann. 1,979,403; Nov. 6.
Skeg for barges and like vessels. G. R. Taylor. 1,980,114; Nov. 6.
Slag utilization, Open-hearth. J. E. Lose and R. H. Watson. 1,979,733; Nov. 6.
Slicer, Meat. E. G. Streckfuss. 1,979,848; Nov. 6.
Slicers, Manufacturing fruit and vegetable. L. D. Kimmel. 1,979,748; Nov. 6.
Slicing machine. W. J. Campbell. 1,979,957; Nov. 6.
Slug casting machine. A. J. Stouges. 1,980,110–12; Nov. 6.
Slumber screen. M. I. and G. Abrams. 1,979,520; Nov. 6.
Soap bar. H. F. Sands. 1,979,411; Nov. 6.
Socket, bush, ferrule, rivet, and the like, Metal. J. H. and S. Hall. 1,979,686; Nov. 6.
Socket, Candle. K. K. Neilsen. 1,979,339; Nov. 6.
Socket, Electric lamp. A. H. Nero. 1,980,079; Nov. 6.
Socket, Rubber safety. L. J. McPartlin and H. V. Harding. 1,979,485; Nov. 6.
Sole for shoes, Pneumatic. F. Guild. 1,979,972; Nov. 6.
Soot collector. A. E. Engstrom. 1,979,873; Nov. 6.
Sorting apparatus. V. K. Zworykin. 1,979,722; Nov. 6.
Sound accompaniment for composite motion pictures. F. W. Jackman. 1,979,937; Nov. 6.
Spark plug for high compression engines. H. Rabezzana. 1,979,999; Nov. 6.
Spark plug wrench. J. H. Melvin. 1,980,073; Nov. 6.
Spectacle frame. E. E. Emons. Des. 93,765; Nov. 6.
Spectacle front. G. P. Kimmel. Des. 93,771; Nov. 6.
Spectacles. A. B. Belgard. 1,979,855; Nov 6.
Spectral analysis, Quantitative. O. S. Duffendack and R. A. Wolfe. 1,979,964; Nov. 6.
Speed regulator and the like. M. Mooney. 1,979,398; Nov. 6.
Speed transmission, Variable. F. W. Armitage and E. G. Archer. 1,979,723; Nov. 6.
Speedometer, Magnetic. C. T. Wallis and N. O. Marquart. 1,980,019; Nov. 6.
Spinning solution and making same. J. D. W. Hubbeling. 1,979,268; Nov. 6.
Split roller coupling. O. A. Banner. 1,979,306; Nov. 6.
Spool for motion picture film, Collapsible. A. W. Tondreau. 1,979,423; Nov. 6.
Spool or bobbin for roll films. P. Schwarz. 1,979,412; Nov. 6.
Spoon or other article of flatwear. M. A. Downs. Des. 93,762; Nov. 6.
Spoon, Trolling. E. Sylvan. Des. 93,800; Nov. 6.
Spout, Detachable. C. H. Matthiessen, jr. 1,979,337; Nov. 6.
Spouts to cans, Apparatus for attaching pouring. G. W. Chalmers. 1,979,793; Nov. 6.
Spring shackle. H. W. Bell. 1,979,526; Nov. 6.
Spring suspension for motor vehicles. G. D. Bradstreet. 1,979,821; Nov. 6.
Spring suspension seat. G. Loeffler. 1,979,892; Nov. 6.
Sprinkling system. G. H. Leland. 1,979,477; Nov. 6.
Stage, Revolving. B. Berkeley. 1,979,363; Nov. 6.
Stamping machine. S. R. Swenson. 1,980,014; Nov. 6.
Stand: *See*—
Display stand. Refreshment stand.
Starch product and making same. F. O. Giesecke. 1,979,257; Nov. 6.
Starter, Automatic. B. H. Kryzer. 1,979,836; Nov. 6.
Starter, Engine. J. A. Charter. 1,979,807–9; Nov. 6.
Starting machine, Automatic. M. P. Whitney. 1,979,920; Nov. 6.
Steak slicing and dicing machine. A. J. Gurney. 1,979,464; Nov. 6.
Steam generator. W. L. and H. L. McLaughlin and V. Ballou. 1,979,394; Nov. 6.
Steel and its production. P. Kühn. 1,979,629; Nov. 6.
Stepladder. A. A. Schramm. 1,980,004; Nov. 6.
Step plate. G. E. Bullock. 1,979,861; Nov. 6.
Stoker, Automatic furnace. V. M. Crulkshank. 1,979,871; Nov. 6.
Stone-channeling machine. E. H. Hellstrom. 1,980,135; Nov. 6.
Stop motion device. G. Shuford, B. F. Childres, and F. Christian. 1,980,103; Nov. 6.
Stove, Cooking. J. D. Jackson. 1,980,060; Nov. 6.
Stove or heater. H. Lange. 1,979,889; Nov. 6.
Strainer, Well. D. J. Hamm. 1,979,740; Nov. 6.
Straw gathering attachment for harvesters. C. R. Adams. 1,980,027; Nov. 6.
Street obstruction. H. R. Decker. 1,980,041; Nov. 6.
Stretching and cutting-device on machines for pulling out threads. K. Mischke. 1,979,396; Nov. 6.
Strips of sheet metal, Connecting. J. R. Coe. 1,980,154; Nov. 6.
Stroboscopic testing apparatus. D. D. Knowles. 1,979,692; Nov. 6.
Stroke adjusting device for power hammers. M. H. Damerell. 1,979,733; Nov. 6.
Supercharger. C. H. Kenneweg. 1,979,747; Nov. 6.
Support: *See*—
Bar support. Pan support.
Support for phonograph turntables. W. A. Schmittgen. 1,979,350; Nov. 6.
Suspension, Stabilization of. A. J. Johnson. 1,979,469; Nov. 6.
Switch: *See*—
Centrifugal switch. Pressure switch.
Electric switch.
Switch. J. H. Benya. 1,979,441; Nov. 6.
Switch. C. Christensen and A. G. Steinmayer. 1,979,824; Nov. 6.
Switch structure. H. C. Graves, jr., and W. M. Scott, jr. 1,979,683; Nov. 6.
Syrup, Making edible sugar. A. L. van Scherpenberg. 1,979,781; Nov. 6.
Table: *See*—
Collapsible table. Folding table.
Table top construction. J. W. Belger. 1,979,309; Nov. 6.
Tar distillation. G. E. McCloskey. 1,979,838; Nov. 6.
Target trap. W. J. Sutcliffe. 1,979,502; Nov. 6.
Telegraph exchange system. C. C. Lane and G. A. Locke. 1,979,273; Nov. 6.
Telegraphic printing mechanism. A. Bischer, jr. 1,979,510; Nov. 6.
Telemetering method and apparatus. D. R. Price. 1,979,998; Nov. 6.
Television. H. P. Donle. 1,980,155; Nov. 6.
Television and like apparatus. J. L. Baird. 1,980,150; Nov. 6.
Television apparatus. W. H. Peck. 1,979,840; Nov. 6.
Television apparatus. W. H. Sweeney. 1,979,296; Nov. 6.
Television system. I. R. Goslaw. 1,979,463; Nov. 6.
Temperature control. R. M. Heintz. 1,979,546; Nov. 6.
Temperature limiting mechanism for hot water systems. A. L. Tobin. 1,979,779; Nov. 6.
Temperature regulating device for beds or bedrooms. F. Hellmuth. 1,979,467; Nov. 6.
Tension of materials drawn from a roll, Mechanism for controlling the. J. R. Tomlin. 1,979,914; Nov. 6.
Terminal or clamp. A. D. Goldman. 1,979,382; Nov. 6.
Testing device. J. C. Stirling. 1,979,912; Nov. 6.
Textile fabric or the like. R. S. Maraniss. Des. 93,781; Nov. 6.
Textile printing. O. M. Bishop and F. W. Johnson. 1,979,248; Nov. 6.
Thermodynamic energy storage method. F. Marguerre. 1,979,393; Nov. 6.
Thermostatic gas control. H. W. Price. Re19,364; Nov. 6.

Thread extractor for weft replenishing looms. O. V. Payne. 1,979,764; Nov. 6.
Thread holder for weft replenishing looms. O. V. Payne. 1,979,765; Nov. 6.
Thread, Sewing. O. W. Peterson. 1,979,343; Nov. 6.
Threads from cuprammonium solution, Apparatus for the production of artificial. A. Zart and F. Hoelkeskamp. 1,979,925; Nov. 6.
Threads, Treating artificial. T. F. Banigan. 1,979,929; Nov. 6.
3,6 diamino 2-alkyl pyridine and producing the same. H. J. Schneiderwirth. 1,979,351; Nov. 6.
Time limit contactor. W. Schaelchlin and E. Frisch. 1,979,709; Nov. 6.
Time recorder, Synchronous motor job. A. L. Denniston. 1,979,319; Nov. 6.
Time recorder system. A. L. Denniston. 1,979,318; Nov. 6.
Time switch device. A. W. Vingerhoets. 1,980,146; Nov. 6.
Timer, Plural action interval. R. D. Smith. 1,979,293; Nov. 6.
Tire. W. J. Lee. Des. 93,775; Nov. 6.
Tire band. W. B. Rood. 1,979,575; Nov. 6.
Tire construction, Pneumatic. A. S. Diack. 1,979,371; Nov. 6.
Tire, Resilient. C. Krauch and M. Mueller-Cunradi. 1,979,947; Nov. 6.
Tires, Production of. C. Krauch and M. Mueller-Cunradi. 1,979,946; Nov. 6.
Toaster, Automatic. C. A. Schallis. 1,979,845; Nov. 6.
Tobacco in the spreader of a cigarette-making machine, Apparatus for the uniform distribution of. A. H. Klüx. 1,979,624; Nov. 6.
Toilet accessory. T. E. Hauser and P. F. Reichert. 1,979,542; Nov. 6.
Toilet seat cover. A. Nelson. 1,979,634; Nov. 6.
Toilet, Ventilated. J. H. Etter. 1,979,736; Nov. 6.
Tokens, Device for delivering. J. R. Goggins. 1,979,613; Nov. 6.
Tool: *See*—
Electrical tool. Raking and picking up tool.
Radius turning tool. Shoe roughing tool.
Tool controlling device. G. H. Leland. 1,979,479; Nov. 6.
Tool handle, Detachable. J. H. Rast. 1,980,087; Nov. 6.
Tools of chisel type, Apparatus for sharpening. S. Hangi. 1,979,741; Nov. 6.
Toy. C. W. Morgan and H. M. Kahn. 1,980,076; Nov. 6.
Toy, Wheeled. H. D. Allen. 1,979,242; Nov. 6.
Track crossing, Car. V. Theodos. 1,979,583; Nov. 6.
Track structure, Railway. W. Dalton. 1,979,825; Nov. 6.
Tractor. T. Brown. 1,980,033; Nov. 6.
Tractor attachment mechanism. D. W. Voorhees, jr. 1,979,511; Nov. 6.
Transformer, Rotary welding. T. M. Hunter. 1,979,881–2; Nov. 6.
Transmission device. M. I. Vestal. 1,980,145; Nov. 6.
Transmission system. D. A. Barnett. 1,979,435; Nov. 6.
Trap: *See*—
Target trap.
Tray. G. C. Webb. 1,979,301; Nov. 6.
Trolley frog. W. Schaake. 1,979,708; Nov. 6.
Truck, Bag. S. J. Pehrsson. 1,979,406; Nov. 6.
Truing device for grinding wheels. J. Edgar. 1,979,536; Nov. 6.
Tube: *See*—
Abrasion resisting tube. Pneumatic inner tube.
Cathode ray tube.
Tubes for boilers, heat exchangers, and the like. R. S. Brown. 1,979,859; Nov. 6.
Tubes, Method and apparatus for making. W. Bark and P. W. Waterman. 1,979,726; Nov. 6.
Tubes of electrified neon gas, Producing white luminous. R. de Lamprecht. 1,979,606; Nov. 6.
Tunnels, shafts, or the like, Lining. M. McAlpine. 1,979,896; Nov. 6.
Typewriting machine. E. B. Hess. 1,979,620; Nov. 6.
Typewriting machine. J. A. B. Smith. 1,979,292; Nov. 6.
Underwear, Lady's. D. Gershen. 1,979,540; Nov. 6.
Upholstery, Vehicle. J. Bruckl. 1,979,792; Nov. 6.
Valve: *See*—
Control valve. Pressure actuated valve.
Valve. J. S. Forbes. 1,979,611; Nov. 6.
Valve. P. L. Scott. 1,979,910; Nov. 6.
Valve and packing. J. C. Martin, jr. 1,979,977; Nov. 6.
Valve and water closet, Combined flush. W. C. Groeniger. 1,979,739; Nov. 6.
Valve attachment for liquid containers. H. E. Clark. 1,979,823; Nov. 6.
Valve construction. S. U. Siena and B. M. Arth. 1,980,144; Nov. 6.
Valve for gas pilot lights. E. L. Hall and E. J. Brady. 1,980,052; Nov. 6.
Valve for vehicle tanks, Emergency. J. A. Jensen. 1,980,063; Nov. 6.
Valve mechanism. A. E. Armstrong. 1,979,305; Nov. 6.
Valve operating mechanism. W. H. Ingersoll. 1,979,690; Nov. 6.
Valve operating mechanism. E. E. Norman. 1,979,340; Nov. 6.
Valve operating mechanism. R. C. Russell. 1,979,348; Nov. 6.
Valves for locomotives, Governor-controlled drifting. C. Stern. 1,980,107; Nov. 6.
Vaporizer, Electric. M. Katzman. Re19,367–8; Nov. 6.
Vaporizer, Electric. M. Katzman. 1,980,066; Nov. 6.
Vapors from gaseous mixtures, Separating. M. Frankl. 1,979,682; Nov. 6.
Varnishes and the like, Manufacture of. J. Scheiber. 1,979,495; Nov. 6.
Vehicle, Automotive. G. Heidemann. 1,979,545; Nov. 6.
Vehicle coupler. A. L. Schuller. 1,979,908; Nov. 6.
Vehicle, Motor. E. K. Baker. 1,979,522; Nov. 6.
Vehicle, Road. C. S. Ash. 1,979,598; Nov. 6.
Vehicle trailer construction. N. B. Thompson. 1,980,015; Nov. 6.
Veneer. R. N. Hartzell. 1,980,054; Nov. 6.
Ventilating apparatus for vehicle bodies. W. de F. Crowell. 1,980,039; Nov. 6.
Vibrator, Electric. W. H. Horsch. 1,979,548; Nov. 6.
Wagon hitch. C. J. Frederiksen. 1,980,046; Nov. 6.
Warmer for nursing bottles. A. H. Reese. 1,979,666; Nov. 6.
Washboard. C. T. Gilbert. 1,979,258; Nov. 6.
Washing machine. D. W. Allman. 1,979,361; Nov. 6.
Washing machine. C. B. Cassity. 1,979,673; Nov. 6.
Washing machine. H. L. Johnston. 1,980,064–5; Nov. 6.
Watchcase. S. J. Mittelman and A. Kraus. 1,979,338; Nov. 6.
Water heater. O. W. Ott and A. J. Smithers. Des. 19,363; Nov. 6.
Water softener. R. E. Zinn. 1,979,926; Nov. 6.
Waterer, Heated stock. A. P. Larsen. 1,979,749; Nov. 6.
Wax from hydrocarbon oils, Separation of. R. E. Manley. 1,980,071; Nov. 6.
Wax-like substances and preparing same. D. K. Tressler. 1,979,586; Nov. 6.
Wax polish. M. H. Arveson. 1,979,787; Nov. 6.
Weed cutter. E. O. Zander. 1,979,432; Nov. 6.
Weft detector, Inertia actuated. O. V. Payne. 1,979,766; Nov. 6.
Welding. A. A. Smith. 1,979,712; Nov. 6.
Welding apparatus. R. J. Kehl. 1,979,270; Nov. 6.
Welding, Electric arc. H. Kost. 1,979,944; Nov. 6.
Welding tip. J. L. Anderson. 1,979,244; Nov. 6.
Wheel: *See*—
Hydraulic spoke wheel.
Wheel. H. J. Horn. Des. 93,769; Nov. 6.
Wheel truing machine and method, Wire. C. L. Eksergian and O. E. Smith. 1,980,129; Nov. 6.
Wheel truing machine and method, Wire. W. H. Farr, C. L. Eksergian, and O. E. Smith. 1,979,966; Nov. 6.
Wheels, Making vehicle. J. H. Wagenhorst. 1,979,815; Nov. 6.
Winding device. I. L. Tenney. 1,979,354; Nov. 6.
Winding machine. J. Nelson. 1,980,078; Nov. 6.
Winding machine. G. N. Taylor. 1,980,113; Nov. 6.
Winding mechanism. I. L. Tenney. 1,979,355; Nov. 6.
Window attachment. E. Mussbach. 1,979,808; Nov. 6.
Window bracket. G. B. Baker. 1,979,853; Nov. 6.
Window regulator. J. H. Roethel. Re19,365; Nov. 6.
Wire, Pile. M. B. Behrman. 1,979,438; Nov. 6.
Wiring duct, Multiple passage. G. A. Lutz. 1,979,804; Nov. 6.
Wood, Apparatus for defiberizing. G. H. Ellis. 1,979,373; Nov. 6.
Woodworking tool. A. M. Dunn. Des. 93,763; Nov. 6.
Work holding and feeding mechanism. F. L. Cone. 1,979,366; Nov. 6.
Work holding and positioning device. R. Stempelin. 1,980,106; Nov. 6.
Work holding mechanism. F. L. Cone. 1,979,367; Nov. 6.
Worktable. H. Perlesz. 1,979,901; Nov. 6.
Wrench: *See*—
Spark plug wrench.
Writing implement. R. Back. 1,980,159; Nov. 6.
X-ray machine. O. H. Pieper. 1,979,997; Nov. 6.

CLASSIFICATION OF PATENTS

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NOTE.—First number = class, second number = subclass, third number = patent number

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2— 10: 1,980,101
48: 1,979,879
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45: 1,979,831
33— 2: 1,979,789
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56— 122: 1,980,108
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97— 75: R. 19,360
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117— 2: 1,979,995
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13: 1,979,900
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39: 1,979,624
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133— 3: 1,979,659
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14: 1,979,772
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209— 64: 1,979,365
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169: R. 19,359
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211— 153: 1,979,902
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285— 1: 1,980,080
17: 1,980,002
111: 1,979,424
1,979,901
115: 1,979,760
119: 1,979,255
1,979,680
287— 52.02: 1,979,675
64: 1,980,154
87: 1,979,557
90: 1,980,117
288— 1: 1,979,977
290— 37: 1,979,836
38: 1,979,302
1,979,920
292— 75: 1,979,826
241: 1,979,456
294— 22: 1,979,618
69: 1,979,832
296— 44: 1,980,023
94: 1,980,039
137: 1,979,558
299— 70: 1,980,095
89: 1,979,455
140: 1,980,132
153: 1,979,649
301— 37: 1,979,895
302— 55: 1,979,320
308— 38: 1,979,875
163: 1,979,957
184: 1,979,663
187: 1,979,388
1,980,123
212: 1,979,707
238: 1,980,081
309— 14: 1,979,335
1,979,498
41: 1,979,967
312— 35: 1,979,613
114: 1,979,514

U. S. GOVERNMENT PRINTING OFFICE: 1934

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Allied Mills, Inc., Chicago, Ill. Poultry scratch feeds. Serial No. 356,503; Nov. 13. Class 46.

American Coffee Corporation, New York, N. Y. Coffee. Serial No. 355,134; Nov. 13. Class 46.

American Woolen Company, New York, N. Y. Blankets. Serial No. 355,558; Nov. 13. Class 42.

Anne Underwear Co., Inc., New York, N. Y. Nightgowns, pajamas, slips, etc. Serial No. 355,528; Nov. 13. Class 39.

Apex Engineering Company, The, Plainville, Ohio. Chemical solution to be added to gasoline. Serial No. 355,696; Nov. 13. Class 6.

Arden, Elizabeth, Inc., New York, N. Y. Soap. Serial No. 355,956; Nov. 13. Class 4.

Arden, Elizabeth, Inc., New York, N. Y. Perfumes and perfumery. Serial No. 355,957; Nov. 13. Class 6.

Asbestos Manufacturing Company, Huntington, Ind. Brake lining. Serial No. 346,847; Nov. 13. Class 35.

Aurandt, Richard D., doing business as Richard Aurandt & Co., San Francisco, Calif. Sound-reproducing units of the phonograph type. Serial No. 355,459; Nov. 13. Class 36.

Bally Manufacturing Company, Chicago, Ill. Amusement device. Serial No. 356,753; Nov. 13. Class 22.

Barker Bros. Incorporated, Los Angeles, Calif. Draperies, curtain fabrics in the piece, textile carpets and rugs. Serial No. 353,113; Nov. 13. Class 42.

Barnhardt Brothers, Charlotte, N. C. Hosiery. Serial Nos. 355,994–5; Nov. 13. Class 39.

Barton & Guestier, Bordeaux, France. Wines. Serial No. 349,225; Nov. 13. Class 47.

Bayer Baking Company, Inc., Shreveport, La. Bread, rolls, and biscuits. Serial No. 356,143; Nov. 13. Class 46.

Bedford Distilling Company, The, Bedford, Ohio. Whiskey. Serial No. 355,875; Nov. 13. Class 49.

Berland Shoe Stores, Inc., The, St. Louis, Mo. Wearing apparel for ladies and misses. Serial No. 355,605; Nov. 13. Class 39.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial No. 356,331; Nov. 13. Class 23.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial No. 356,573; Nov. 13. Class 23.

Bloomingdale Bros., Inc., New York, N. Y. Wine. Serial No. 356,686; Nov. 13. Class 47.

Bonwit Teller, Inc., New York, N. Y. Shoes. Serial No. 356,067; Nov. 13. Class 39.

Brevolite Lacquer Company, North Chicago, Ill. Lacquers for coating wood, glass, etc. Serial No. 347,043; Nov. 13. Class 16.

Brevolite Lacquer Company, North Chicago, Ill. Aluminum powder. Serial No. 347,044; Nov. 13. Class 16.

Brevolite Lacquer Company, North Chicago, Ill. Lacquers for coating wood, glass, etc. Serial No. 347,046; Nov. 13. Class 16.

Brick, Edgar, doing business as C. W. Brick Milling Co., Columbus, N. J. Dairy feeds, horse feeds, etc. Serial No. 354,920; Nov. 13. Class 46.

Bridgewater Distilling Co., West Bridgewater, Pa. Whiskey. Serial No. 357,039; Nov. 13. Class 49.

British American Brewing Co., Limited, Windsor, Ontario, Canada. Beer. Serial No. 347,539; Nov. 13. Class 48.

Burbank, Walter C., New York, N. Y. Golf balls. Serial No. 356,941; Nov. 13. Class 22.

Buston, Jameson G., North Tazewell, Va. Ginger beer, maltless beverages, and sirups and extracts for making same. Serial No. 355,828; Nov. 13. Class 45.

California Growers Wineries, Inc., Fresno, Calif. Wines. Serial No. 356,688; Nov. 13. Class 47.

Cann, Harry P., and Brother Company, The, Baltimore, Md. Loose-leaf fillers and binders, composition books, etc. Serial No. 356,334; Nov. 13. Class 37.

Carlyle Laboratories Inc., New York, N. Y. Lip stick. Serial No. 354,977; Nov. 13. Class 6.

Chesapeake Distilling and Distributing Company, The, Baltimore, Md. Gin and whiskey. Serial No. 356,796; Nov. 13. Class 49.

Coligliates', Jean, Fils, doing business as John Coligliates, Piræus, Greece. Brandy, alcoholic cordials, and kummel. Serial No. 352,740; Nov. 13. Class 49.

Colledge, E. W., General Sales Agent, Inc., Jacksonville and Norwood, Jacksonville, Fla. Insecticide. Serial No. 354,892; Nov. 13. Class 6.

Collegiate Manufacturing Company, Ames, Iowa. Blank forms. Serial No. 356,103; Nov. 13. Class 37.

Container Corporation of America, Chicago, Ill. Paper board boxes and shipping cartons. Serial No. 356,945; Nov. 13. Class 2.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial Nos. 356,698–7; Nov. 13. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial No. 356,699; Nov. 13. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial Nos. 356,701–7; Nov. 13. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial Nos. 356,709–16; Nov. 13. Class 49.

Cope, L. E., Products Co., Cleveland, Ohio. Compound for removing corns and callouses. Serial No. 355,795; Nov. 13. Class 6.

Cosmetics, Inc., Los Angeles, Calif. Cosmetics. Serial No. 355,183; Nov. 13. Class 6.

Crockery City Ice & Products Co., East Liverpool, Ohio. Beer, ale, and malt beverages. Serial No. 356,759; Nov. 13. Class 48.

Crockery City Ice & Products Co., East Liverpool, Ohio. Beer. Serial No. 356,899; Nov. 13. Class 48.

Dell Publishing Company, Inc., New York, N. Y. Publication. Serial No. 355,612; Nov. 13. Class 38.

Del Valle Distributing Co., San Francisco, Calif. Wines. Serial No. 356,145; Nov. 13. Class 47.

Dille, John F., Chicago, Ill. Clothing. Serial No. 355,465; Nov. 13. Class 39.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. Serial Nos. 356,946–7; Nov. 13. Class 37.

Dorgan-McPhillips Packing Corporation, Mobile, Ala. Canned shrimp. Serial No. 356,581; Nov. 13. Class 46.

Drewrys Ltd., U. S. A., The, Chicago, Ill. Ale. Serial No. 355,797; Nov. 13. Class 48.

Drey, Simpson & Company, Limited, Stockport and Manchester, England. Piece goods. Serial No. 355,468; Nov. 13. Class 42.

Drossner, Nathan, doing business as McCarter Bottling Company and McCarter Bottling Co., Philadelphia, Pa. Maltless beverages. Serial No. 356,314; Nov. 13. Class 45.

Dutch Lunch Products Company. (See Milani's, Inc.)

Dyche, Mary E., doing business as The Vogue Art Company, Amarillo, Tex. Colored permanent-wave solution. Serial No. 356,659; Nov. 13. Class 6.

Eastman Kodak Company, Rochester, N. Y. Photographic chemicals. Serial No. 356,025; Nov. 13. Class 6.

Essex Razor Blade Corporation, Elizabeth and Jersey City, N. J., assignor to H. E. Shaw Company, Worcester, Mass. Razor blades. Serial No. 354,928; Nov. 13. Class 23.

Felsen Tobacco Co., Inc., East St. Louis, Ill. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial No. 355,355; Nov. 13. Class 49.

Ferrier, George F., Pittsburgh, Pa. Liniment. Serial No. 355,761; Nov. 13. Class 6.

Flamingo Brewing Company, Miami, Fla. Beer. Serial No. 356,343; Nov. 13. Class 48.

Ford Pharmacal Company, The, Cleveland, Ohio. Medicinal preparation. Serial No. 355,966; Nov. 13. Class 6.

Forstrem, J., née Baudoin, Paris, France. Perfume, toilet water, rouge, etc. Serial Nos. 355,309–11; Nov. 13. Class 6.

Foster & Wood Canning Company, Lodi, Calif. Canned fruits and vegetables. Serial No. 356,619; Nov. 13. Class 46.

Fouke Fur Company, St. Louis, Mo. Furs, skins, hides, etc. Serial No. 355,470; Nov. 13. Class 1.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial No. 348,020; Nov. 13. Class 49.

Fritz, Louis, Mineral & Soda Water Co., Inc., The, Covington, Ky. Maltless beverages and sirups and extracts for making the same. Serial No. 356,003; Nov. 13. Class 45.

Fuhrmann, Frank, Shelburne Falls, Mass. Candy. Serial No. 356,877; Nov. 13. Class 46.

Fulton Bag & Cotton Mills, Atlanta, Ga. Toweling. Serial No. 356,186; Nov. 13. Class 42.

Gautschy, Ernest G., Long Beach, Calif. Scalp lotion. Serial No. 355,471; Nov. 13. Class 6.

General Houses, Inc., Chicago, Ill. Preformed buildings and parts thereof and models of buildings and their parts. Serial No. 341,652; Nov. 13. Class 12.

General Sugar Estates, Inc., New York, N. Y. Sugar. Serial No. 335,355; Nov. 13. Class 46.

German Brewing Co., The, Cumberland, Md. Malt beverages. Serial No. 356,903; Nov. 13. Class 48.

Gilbert Shoe Co., The, Thiensville, Wis. Shoes. Serial No. 348,757; Nov. 13. Class 39.

Godet Freres, La Rochelle, France. Cognac. Serial No. 355,934; Nov. 13. Class 49.

Golden Crisp Products Company. (See Rice, Julian M.)

Gorham Manufacturing Company, Providence, R. I. Clocks, watches, and parts thereof. Serial No. 356,661; Nov. 13. Class 27.

Granat, Joseph, San Francisco, Calif. Finger rings. Serial No. 352,821; Nov. 13. Class 28.

Grand Union Company, The, New York, N. Y. Canned vegetables. Serial No. 355,618; Nov. 13. Class 46.

Grand Union Company, The, New York, N. Y. Canned fruits and vegetables. Serial No. 355,619; Nov. 13. Class 46.

Grinnell Brothers, Detroit, Mich. Laundry washing machines. Serial No. 345,666; Nov. 13. Class 24.

Guinness, Arthur, Son & Co., Ltd., London, England. Beer. Serial No. 354,421; Nov. 13. Class 48.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gulf Fertilizer Company, The, Tampa, Fla. Fertilizing preparation to be mixed with the soil. Serial No. 356,621; Nov. 13. Class 10.
Hammett, J. L., Company, Cambridge, Mass., and Newark, N. J. Metal block cutting tools. Serial No. 354,992; Nov. 13. Class 23.
Hammondsport Vintage Corporation, Penn Yan, N. Y. Champagne. Serial No. 356,725; Nov. 13. Class 47.
Hartol Products Corporation, New York, N. Y. Gasoline and oils. Serial No. 353,985; Nov. 13. Class 15.
Heilig & Co., Inc., New York, N. Y. Gloves. Serial No. 356,109; Nov. 13. Class 39.
Helm Manufacturing Company, Fort Worth, Tex. Cotton seed treating machinery. Serial No. 354,917; Nov. 13. Class 23.
Henderson, William K., Shreveport, La. Whiskey. Serial No. 354,801; Nov. 13. Class 49.
Hendrickson, Arthur H., Freehold, N. J. Brandy. Serial No. 355,734; Nov. 13. Class 49.
Hershey Chocolate Corporation, Hershey, Pa. Chocolate. Serial No. 350,123; Nov. 13. Class 46.
Holed-Tite Packing, Inc., New York, N. Y. Egg-Flats, packing sheets, cartons, etc. Serial No. 287,473; Nov. 13. Class 2.
Hower, R. G., Lewistown, Pa. Baseball bats. Serial No. 356,953; Nov. 13. Class 22.
Hudson & Thompson, Montgomery, Ala. Coffee. Serial No. 353,068; Nov. 13. Class 46.
Inko Publicity Corp., New York, N. Y. Publication. Serial No. 356,480; Nov. 13. Class 38.
International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 355,940; Nov. 13. Class 39.
Jackson Brewing Company, New Orleans, La. Malt beverage. Serial No. 354,751; Nov. 13. Class 48.
Jackson-Sax, Boston, Mass. Women's shoes, boots and slippers. Serial No. 354,207; Nov. 13. Class 39.
Jelenko, J. F. and Company, Inc., New York, N. Y. Dental golds. Serial No. 356,666; Nov. 13. Class 44.
Jung, L. E., & Wulff Company, Inc., New Orleans, La. Distilled alcoholic liquors. Serial No. 356,225; Nov. 13. Class 49.
Kaufmann, K. & Co., Inc., Newark, N. J. Traveling bags, suit cases, and portable wardrobe cases, etc. Serial No. 355,735; Nov. 13. Class 3.
Keefe, Daniel J., jr., doing business as Keefe Chemical Co., East Milton, Mass. Deodorant and germicide. Serial No. 355,807; Nov. 13. Class 6.
Kimberly-Clark Corporation, Neenah, Wis. Artificial leather insoles. Serial No. 355,438; Nov. 13. Class 39.
King Features Syndicate, Inc., New York, N. Y. Cartoons. Serial No. 355,571; Nov. 13. Class 38.
Kirby, A. L., doing business as Magna Publications, Mount Morris, Ill. Publication. Serial No. 356,770; Nov. 13. Class 38.
Kosher Star Sausage Mfg. Co., Chicago, Ill. Meats and meat products. Serial No. 349,727; Nov. 13. Class 46.
Kressmann, Ed., & Co., Bordeaux, France. Brandies. Serial No. 355,360; Nov. 13. Class 49.
Krieger, George, Mendocino, Calif. Medicinal compound. Serial No. 352,084; Nov. 13. Class 6.
Lamont, Corliss & Company, New York, N. Y. Chocolate flavoring syrup. Serial No. 353,337; Nov. 13. Class 45.
Larkin Soap Company, Teaneck, N. J. Soap. Serial No. 356,141; Nov. 13. Class 4.
Laurel Hosiery Company, Inc., Reading, Pa. Hosiery. Serial No. 355,941; Nov. 13. Class 39.
Leggett, Francis H. & Company, New York, N. Y. Canned salmon. Serial No. 355,361; Nov. 13. Class 46.
Libby, McNeill & Libby, Chicago, Ill. Beer. Serial No. 356,772; Nov. 13. Class 48.
Lloyd, Harry, Johnstown, Ohio. Preparation for poultry and domestic animals. Serial No. 350,984; Nov. 13. Class 6.
Louisiana-Texas Pecan Co., Inc., Shreveport, La. Shelled nuts. Serial No. 356,845; Nov. 13. Class 46.
Lucky Tiger Manufacturing Company, Kansas City, Mo. Skin tonic, shampoo, hair dressing, and skin ointment. Serial No. 356,119; Nov. 13. Class 6.
Lundgren, Robert, doing business as Rubrosa Products Co., New York, N. Y. Eau de Cologne rubs. Serial No. 355,682; Nov. 13. Class 6.
M. J. B. Co., San Francisco, Calif. Coffee. Serial No. 356,009; Nov. 13. Class 46.
MacKenzie, L. R., Incorporated, Tulsa, Okla. Asphaltic paint ingredients. Serial No. 340,479; Nov. 13. Class 12.
Magazine Publishers, Inc., New York, N. Y. Magazine. Serial No. 356,597; Nov. 13. Class 38.
Magna Publications. (See Kirby, A. L.)
Marveline Products Co. (See Robbins, Charles.)
Matheos Bros. Ice Cream Co. Inc., Spencerport, N. Y. Candy and frozen confections. Serial No. 353,221; Nov. 13. Class 46.
McCarter Bottling Company. (See Drossner, Nathan.)
Medicone Company, Incorporated, New York, N. Y. Antiseptic vaginal suppository. Serial No. 355,848; Nov. 13. Class 6.
Meletti, Aldo, Estate of, doing business as Ditta Silvio Meletti, Ascoli Piceno, Italy. Aniseed liquor. Serial No. 349,837; Nov. 13. Class 49.
Miele, James, doing business as Frank Miele's Son, New York, N. Y. Whiskeys. Serial No. 356,908; Nov. 13. Class 49.
Milani's, Inc., doing business as Dutch Lunch Products Company, Seattle, Wash. Egg noodle chicken dinner. Serial No. 342,979; Nov. 13. Class 46.
Monteverde & Parodi, Inc., San Francisco, Calif. Wines. Serial No. 356,779; Nov. 13. Class 47.
Morrell, John, & Co., Ottumwa, Iowa. Food for dogs, cats, etc. Serial No. 350,532; Nov. 13. Class 46.
Morrell, John, & Co., Ottumwa, Iowa. Food for dogs, cats, etc. Serial No. 350,645; Nov. 13. Class 46.
Morse Andrews Co., Attleboro, Mass. Articles of jewelry. Serial No. 355,226; Nov. 13. Class 28.
Murval Products Company, Philadelphia, Pa. Cleaning and polishing compound. Serial No. 355,769; Nov. 13. Class 4.
N. V. Vereenigde Touwfabrieken, Rotterdam, Netherlands. Textile floor covering, carpets, etc. Serial No. 354,712; Nov. 13. Class 42.
National Industrial Publishing Co., Pittsburgh, Pa. Periodical. Serial No. 356,780; Nov. 13. Class 38.
New Process Company, Warren, Pa. Combined thermometer, humidity guide, and barometer. Serial No. 355,708; Nov. 13. Class 26.
New York Evening Journal, Inc., New York, N. Y. Nom de plume for a newspaper section. Serial No. 355,897; Nov. 13. Class 38.
North American Rayon Corporation, New York, N. Y. Thread and yarn of artificial origin. Serial Nos. 356,077–9; Nov. 13. Class 43.
Nulomoline Company, The, New York, N. Y. Vegetable flavoring substance simulating beef extract. Serial No. 356,266; Nov. 13. Class 46.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 357,022; Nov. 13. Class 49.
Oxweld Acetylene Company, New York, N. Y. Oxy-acetylene welding, cutting, descaming, and heating machines, and parts and tools. Serial No. 353,992; Nov. 13. Class 23.
Pacific Amusement Manufacturing Co., The, Chicago, Ill. Amusement apparatus. Serial Nos. 356,959–60; Nov. 13. Class 22.
Pad-Y-Wax Co., Inc., New York, N. Y. Waxing pads. Serial No. 355,685; Nov. 13. Class 4.
Penn Metal Company, Boston, Mass. Metal lathing. Serial No. 355,812; Nov. 13. Class 12.
Pepper, Jas. E., & Company, Lexington, Ky. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial No. 356,231; Nov. 13. Class 49.
Pfunder, F. H., Inc., Minneapolis, Minn. Tablets for pain. Serial No. 356,536; Nov. 13. Class 6.
Plastergon Wall Board Company, Buffalo, N. Y. Fibre wall board. Serial No. 356,457; Nov. 13. Class 12.
Plough, Inc., Memphis, Tenn. Publication. Serial No. 356,910; Nov. 13. Class 38.
Pool & Piper, Inc., Evanston, Ill. Children's shoes. Serial No. 354,522; Nov. 13. Class 39.
Red Cross Pharmacy, Inc., Cleveland, Ohio. Facial creams, milk lotion, and face powder. Serial No. 355,495; Nov. 13. Class 6.
Reo Motor Car Company, Lansing, Mich. Automobiles and structural parts thereof. Serial No. 348,409; Nov. 13. Class 19.
Rice, Julian M., doing business as Golden Crisp Products Company, Montgomery, Ala. Peanut butter sandwiches. Serial No. 356,818; Nov. 13. Class 46.
Robbins, Charles, doing business as Marveline Products Co., Lansing, Mich. Cleaning, polishing, and waxing compound for furniture, woodwork, etc. Serial No. 353,352; Nov. 13. Class 16.
Rochester Brewing Company, Inc., Rochester, N. Y. Ale. Serial No. 356,384; Nov. 13. Class 48.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Amusement device. Serial No. 355,983; Nov. 13. Class 22.
Rubrosa Products Co. (See Lundgren, Robert.)
St. George Winery & Distillery, doing business as St. George Winery, Fresno, Calif. Brandy. Serial No. 356,083; Nov. 13. Class 49.
Schepps Brewing Corporation, Dallas, Tex. Beer. Serial No. 356,887; Nov. 13. Class 48.
Schmidt, A. O., doing business as A. O. Schmidt Co., San Francisco, Calif. Skin ointment. Serial No. 355,237; Nov. 13. Class 6.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, etc. Serial No. 355,541; Nov. 13. Class 39.
Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Valve stems for pneumatic tubes. Serial No. 356,541; Nov. 13. Class 13.
Scottish Importing Corporation, Kansas City, Mo. Whiskey. Serial No. 355,415; Nov. 13. Class 49.
Sears, Roebuck and Co., Chicago, Ill. Shears and scissors. Serial No. 355,543; Nov. 13. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Women's underwear. Serial No. 355,902; Nov. 13. Class 39.
Sentinel Products Corporation, Cleveland, Ohio. Absorbent cotton, gauze, bandages, etc. Serial No. 353,861; Nov. 13. Class 44.
Sentinel Products Corporation, Cleveland, Ohio. Absorbent cotton, gauze, bandages, etc. Serial No. 353,905; Nov. 13. Class 44.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Shaw, H. E., Company. (See Essex Razor Blade Corporation, assignor.)
Sherman, A. Mfg. Co., The, Stamford, Conn. Whiskey. Serial No. 356,918; Nov. 13. Class 49.
Shoecraft Inc., New York, N. Y. Shoes. Serial No. 355,642; Nov. 13. Class 39.
Shuron Optical Company, Inc., Geneva, N. Y. Machines for manufacturing, finishing, adjusting, and testing lenses and lens mountings, etc. Serial No. 354,391; Nov. 13. Class 26.
Sinai Kosher Sausage Factory, Chicago, Ill. Meats and meat products. Serial No. 349,750; Nov. 13. Class 46.
Skinner & Eddy Corporation, Seattle, Wash. Whiskey. Serial No. 356,919; Nov. 13. Class 49.
Smith & Lissauer, Inc., New York, N. Y. Embroidered pillowcases, bed sheets, and towels. Serial No. 355,448; Nov. 13. Class 42.
Snow King Baking Powder Co., The, Cincinnati, Ohio. Baking powder. Serial No. 329,244; Nov. 13. Class 46.
Southern Drug Company Incorporated, Washington, D. C. Cold and cleansing cream and skin tonic. Serial No. 356,016; Nov. 13. Class 6.
Southern Kraft Corporation, New York, N. Y. Wrapping paper. Serial Nos. 356,054–5; Nov. 13. Class 37.
Spalding, A. G. & Bros., New York, N. Y. Golf clubs. Serial No. 356,920; Nov. 13. Class 22.
Spalding, A. G. & Bros., New York, N. Y. Baseball bats. Serial No. 356,921; Nov. 13. Class 22.
Spellman, E. L. Co., Inc., Hoboken, N. J. Wines. Serial No. 356,746; Nov. 13. Class 47.
Standard Brands Incorporated, New York, N. Y. Yeast. Serial No. 356,747; Nov. 13. Class 46.
Standard Oil Company, The, Cleveland, Ohio. Antifreeze compositions for radiators. Serial No. 355,647; Nov. 13. Class 6.
Stanley, Wm. H., Inc., New York, N. Y. Canned fish. Serial No. 356,823; Nov. 13. Class 46.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 355,907; Nov. 13. Class 37.
Strickland Paper Company, Inc., Birmingham, Ala. Writing and printing paper. Serial No. 355,908; Nov. 13. Class 37.
Tansey Mar-Cro-Cel Manufacturing Company, San Francisco, Calif. Hair curlers. Serial No. 354,778; Nov. 13. Class 40.
Texas Company, The, New York, N. Y. Lubricants. Serial No. 343,232; Nov. 13. Class 15.
Trecka, Andrew, Chicago, Ill. Salve. Serial No. 355,497; Nov. 13. Class 6.
Tricouni S. A., Geneva, Switzerland. Sports articles. Serial No. 353,584; Nov. 13. Class 22.
Uca-Pak Mfg. Co., Salt Lake City, Utah. Cough powder, rub and nose drop preparation, and combination packages of medicated pads with covering bandage and nose drop preparation. Serial No. 356,063; Nov. 13. Class 6.
Union Oil Company of California, Los Angeles, Calif. Paint oils, paint thinners, metal lacquers, etc. Serial No. 324,913; Nov. 13. Class 16.
United Gasoline Dealers, Inc., St. Paul, Minn. Gasoline, lubricating oils, and greases. Serial No. 355,690; Nov. 13. Class 15.
U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters or for the swatting portion of fly swatters. Serial No. 355,822; Nov. 13. Class 50.
Vacu Churns Limited, Auckland, New Zealand. Butter and cheese. Serial No. 355,873; Nov. 13. Class 46.
Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Petroleum products. Serial No. 355,338; Nov. 13. Class 15.
Van Raalte Company, New York, N. Y. Women's hosiery and underwear. Serial No. 353,308; Nov. 13. Class 39.
Vitalized Peanut Corporation, The, Suffolk, Va. Peanut oil for massage purposes and soothing and treating the skin. Serial No. 355,454; Nov. 13. Class 6.
Vogue Art Company, The. (See Dyche, Mary E.)
Walker Manufacturing Co., The, Boston, Mass. Whiskey, gin, and brandy. Serial Nos. 356,926–7; Nov. 13. Class 49.
Ward Baking Company, New York, N. Y. Cake. Serial No. 356,324; Nov. 13. Class 46.
Ward, Thomas, Distilling Company, Incorporated, The, Westminster, Md. Gin and whiskey. Serial No. 356,975; Nov. 13. Class 49.
Wash-O-Lator Corporation, Washington, D. C. Washing machines. Serial No. 349,298; Nov. 13. Class 24.
Welch Grape Juice Company, The, Westfield, N. Y. Seeded grapes. Serial No. 347,893; Nov. 13. Class 46.
Wesco Foods Company, Cincinnati, Ohio. Cake. Serial No. 344,822; Nov. 13. Class 46.
Wiener Metallwaren- und Schnallenfabrik Schar-Smolka, Vienna, Austria, and New York, N. Y. Parts of metal for skis and ski-poles. Serial No. 349,057; Nov. 13. Class 22.
Williams Company, The, London, Ohio. Steel wool pads. Serial No. 349,048; Nov. 13. Class 4.
Wilson Produce Company, Green River, Utah. Fresh melons. Serial No. 356,558; Nov. 13. Class 46.
Wisner, André, Paris, France. Wines. Serial No. 348,154; Nov. 13. Class 47.
Woodmen of the World, Denver, Colo. Letter sheets, benefit certificates, etc. Serial No. 347,946; Nov. 13. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Ades, George, doing business as G. A. Manufacturing Co., New York, N. Y. Cleaning preparations for rugs, carpets, etc. 319,068; Nov. 13; Serial No. 352,411; published Sept. 4, 1934. Class 4.
Advance Aluminum Castings Corp., Chicago, Ill. Pressure cookers. 319,114; Nov. 13; Serial No. 353,789; published Sept. 4, 1934. Class 13.
Alliance Vinicole de Bourgogne, Société Anonyme, Nuits-Saint-Georges, France. Sparkling wines. 319,055; Nov. 13; Serial No. 353,103; published Sept. 4, 1934. Class 47.
Alliance Vinicole de Bourgogne, Société Anonyme, Nuits-Saint-Georges, France. Still wines. 319,060–1; Nov. 13; Serial Nos. 353,003–4; published Sept. 4, 1934. Class 47.
Alliance Vinicole de Bourgogne, Société Anonyme, Nuits-Saint-Georges, France. Still wines. 319,078; Nov. 13; Serial No. 352,886; published Sept. 4, 1934. Class 47.
Alligator Company, The. (See Ferguson Waterproof Co.)
American Rubber Company, Boston, Mass., assignor to United States Rubber Company, New York, N. Y. Rubber boots and shoes. 100,477; renewed Oct. 20, 1934.
Associated Portland Cement Manufacturers (1900), Limited, by change of name to The Associated Portland Cement Manufacturers, Limited, London, England. Portland cement. 101,481; renewed Oct. 20, 1934.
Associated Portland Cement Manufacturers (1900), Limited, by change of name to The Associated Portland Cement Manufacturers, Limited, London, England. Portland cement. 101,556; renewed Dec. 29, 1934.
Asturr Trading Company, Inc., New York, N. Y. Wine. 319,110; Nov. 13; Serial No. 353,876; published Sept. 4, 1934. Class 47.
B & R Rubber Company, The, Brookfield and North Brookfield, Mass., assignor to Quabaug Rubber Company, North Brookfield, Mass., successor. Rubber soles and heels. 102,556; renewed Feb. 16, 1935.
Baldwin Company, The, Cincinnati, Ohio. Pianos, player-pianos, and piano-players. 101,355; renewed Dec. 8, 1934.
Bally Manufacturing Company, Chicago, Ill. Amusement device. 318,997; Nov. 13; Serial No. 354,502; published Sept. 4, 1934. Class 22.
Bare, Geo. L., doing business as Bare Marketing Co., Modesto, Calif. Grapes. 319,085; Nov. 13; Serial No. 291,431; published July 15, 1930. Class 46.
Barry, Edward J. (See Feil, S. R., Company, The, assignor.)
Barteldes Seed Company, The, Lawrence, Kans. Alfalfa and sweet clover seed. 319,057; Nov. 13; Serial No. 353,056; published Sept. 4, 1934. Class 1.
Bauer, Eugen, Gesellschaft mit beschränkter Haftung, Stuttgart-Untertürkheim, Germany. Apparatus for recording, reproducing, and/or projecting pictures, sounds, and pictures simultaneously, cameras, etc. 319,027; Nov. 13; Serial No. 351,097; published Sept. 4, 1934. Class 26.
Bay City Brewing Company, Bay City, Mich. Beer. 319,059; Nov. 13; Serial No. 353,008; published Sept. 4, 1934. Class 48.
Beaver-Remmers Graham Company. (See Cincinnati Soap Company, The.)
Belotti, A. Louis, doing business as Calneva Products Company, San Francisco, Calif. Cubed biscuits for dogs. 319,025; Nov. 13; Serial No. 350,309; published Sept. 4, 1934. Class 46.
Benz, Geo., & Sons, St. Paul, Minn. Whisky. 43,397; renewed Sept. 20, 1934.
Biggs, Evelyn, Washington, D. C. Hair pomade. 319,035; Nov. 13; Serial No. 351,963; published Sept. 4, 1934. Class 6.
Bonfort's Wine and Spirit Circular, Inc., Chicago, Ill. Periodical. 319,024; Nov. 13; Serial No. 350,010; published Sept. 11, 1934. Class 38.
Bon Ton Wall Paper Co. (See Gross, Harry.)
Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf sheets and binders and parts thereof, pads, etc. 318,998; Nov. 13; Serial No. 354,495; published Sept. 11, 1934. Class 37.
Bronx Window Shade & Awning Co., to Bronx Window Shade & Awning Co. Inc., New York, N. Y., successor. Awnings. 99,420; renewed Sept. 1, 1934.
Burdick Corporation, The, Milton, Wis. Allergy treatment solution. 319,067; Nov. 13; Serial No. 352,424; published Sept. 4, 1934. Class 6.

Burgess, Edwin, assignor to Edwin Burgess, Limited, London, England, successor. Ointment. 102,038; renewed Jan. 26, 1935.
Calneva Products Company. (See Belotti, A. Louis.)
Calumet Refining Co., Chicago, Ill. Lubricating oils and greases. 319,093; Nov. 13; Serial No. 347,964; published Sept. 4, 1934. Class 15.
Cando Corporation, The, Cambridge, Mass. Cleaning and polishing preparations. 319,026; Nov. 13; Serial No. 350,885; published Sept. 4, 1934. Class 4.
Carborundum Company, The, Niagara Falls, N. Y. Furnaces and parts thereof, hearths and parts thereof, etc. 319,008; Nov. 13; Serial No. 354,244; published Sept. 4, 1934. Class 34.
Celeste Products, Philadelphia, Pa. Shampoo powder. 319,014; Nov. 13; Serial No. 354,111; published Sept. 4, 1934. Class 6.
Century Engineering Corporation, Cedar Rapids, Iowa. Oil burners and parts thereof. 319,107; Nov. 13; Serial No. 342,963; published Sept. 4, 1934. Class 34.
Cetta, Maria, doing business as La Parisienne Bakery Co., Brooklyn, N. Y. Breads. 318,996; Nov. 13; Serial No. 354,504; published Sept. 4, 1934. Class 46.
Check-Neal Coffee Co., Nashville, Tenn., assignor, by mesne assignments, to Maxwell House Products Company, Inc., New York, N. Y. Coffee. 101,506–7; renewed Dec. 22, 1934.
Chell, Société Anonyme, La Garenne-Colombes and Paris, France. Concentrated liver extract, etc. 319,118; Nov. 13; Serial No. 353,707; published Sept. 4, 1934. Class 6.
Chemische Fabrik Halle-Ammendorf Gebr. Hartmann, Ammendorf, near Halle (Saale), Germany. Inks for the graphic industry and printing inks. 319,007; Nov. 13; Serial No. 354,246; published Sept. 4, 1934. Class 11.
Chernlak, Meyer B., New York, N. Y. Reflectors. 319,124; Nov. 13; Serial No. 353,500; published Sept. 4, 1934. Class 34.
Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Lip sticks and lip pomades. 319,120; Nov. 13; Serial No. 353,602; published Sept. 4, 1934. Class 6.
Cincinnati Soap Company, The, doing business as Beaver-Remmers-Graham Company, Cincinnati, Ohio. Toilet and laundry soaps. 319,064; Nov. 13; Serial No. 352,222; published Sept. 4, 1934. Class 4.
Clark Thread Company, The. (See Spool Cotton Company, The, assignor.)
Clover Farm Stores Corporation, Cleveland, Ohio. Canned fruits and canned vegetables. 319,013; Nov. 13; Serial No. 354,114; published Sept. 4, 1934. Class 46.
Cluett, Peabody & Co., Inc., Troy, N. Y. Handkerchiefs. 103,902; renewed March 16, 1935.
Compania Exportadora Espanola, Barcelona, Spain. Olive oil. 319,100; Nov. 13; Serial No. 346,851; published Sept. 4, 1934. Class 46.
Couch, S. H., Company, Inc. (See Samson Electric Company, assignor.)
Cramer's Bakery Inc., Ltd., Los Angeles, Calif. Publication. 319,090; Nov. 13; Serial No. 354,402; published Sept. 11, 1934. Class 38.
Cresta Blanca Wine Company, Livermore and San Francisco, Calif. Wine. 319,132; Nov. 13; Serial No. 353,322; published Sept. 4, 1934. Class 47.
Crump, Murrel, doing business as The Frigid-Mix Company, San Antonio, Tex. Ice cream powder. 319,044; Nov. 13; Serial No. 353,292; published Sept. 4, 1934. Class 46.
Devine, Dwight, & Sons, to Dwight Divine & Sons, Inc., Ellenville, N. Y., successor. Pocket knives, kitchen knives, pruners, budders, and erasers. 102,918; renewed March 2, 1935.
Diamond O. B. Mfg. Co. (See Fransosi, Antonio.)
Dmoch, Otto, doing business as The Liskin Company, Brooklyn, N. Y. Liquid skin for reenforcing the backs of furs, etc. 319,019; Nov. 13; Serial No. 338,818; published Sept. 4, 1934. Class 5.
Dousman, John P., Milling Company, De Pere, Wis. Wheat flour. 99,859; renewed Sept. 22, 1934.
Edwards, William, and Son, London, England. Embrocation. 11,723; Re-renewed Dec. 2, 1934.
Electronic Process Company, now by change of name The Sealebuoy Company, Boston, Mass. Electronic discharge bulb. 319,103; Nov. 13; Serial No. 345,593; published Sept. 4, 1934. Class 21.
Elgin National Watch Company, Chicago and Elgin, Ill. Watches, watch movements, and watch cases. 319,011; Nov. 13; Serial No. 354,197; published Sept. 4, 1934. Class 27.
Escondido Cooperative Citrus Association, Escondido, Calif. Fresh citrus fruits. 319,039; Nov. 13; Serial No. 348,482; published Sept. 4, 1934. Class 46.
Etablissements Abel Bresson, Societe Anonyme, Beziers, France. Vermouth. 319,076; Nov. 13; Serial No. 352,853; published Sept. 4, 1934. Class 47.
Etablissements Abel Bresson, Societe Anonyme, Beziers, France. Vermouth. 319,081; Nov. 13; Serial No. 352,968; published Sept. 4, 1934. Class 47.
Etablissements Abel Bresson, Societe Anonyme, Beziers, France. Vermouth. 319,082; Nov. 13; Serial No. 352,971; published Sept. 4, 1934. Class 47.
Feil, S. R., Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Edward J. Barry, New York, N. Y. Toilet cerate. 99,865; renewed Sept. 22, 1934.
Ferguson Waterproof Co., St. Louis, Mo., to The Alligator Company, Wilmington, Del. and St. Louis, Mo., successor. Clothing. 100,312; renewed Oct. 20, 1934.
Fleming, Birkby & Goodall, Limited, Halifax, England. Machine belts and belting. 43,939; renewed Dec. 27, 1934.
Florio & C. Societa Anonima Vinicola Italiana, Milan, Italy, assignor to Florio & C. Societa Anonima Vinicola Italiana, Turin, Italy. Marsala wine. 103,159; renewed Mar. 16, 1935.
Fodor, John, jr., and Stephen Palenik, Binghamton, N. Y. Picture puzzles. 319,088; Nov. 13; Serial No. 336,202; published Sept. 4, 1934. Class 22.
Fontana Food Products Co., South San Francisco, Calif. Macaroni. 319,043; Nov. 13; Serial No. 353,268; published Sept. 4, 1934. Class 46.
Foods, Inc., Appleton, Wis. Pickles, piccalilli, sweet pickled watermelon, etc. 319,021; Nov. 13; Serial No. 340,440; published Nov. 14, 1933. Class 46.
Foster and Wood Canning Company, Lodi, Calif. Canned fruits and vegetables. 319,083; Nov. 13; Serial No. 348,874; published Sept. 4, 1934. Class 46.
Frankwyn Productions, Inc., New York, N. Y. Magazine. 319,010; Nov. 13; Serial No. 354,200; published Sept. 11, 1934. Class 38.
Fransosi, Antonio, doing business as Diamond O. B. Mfg. Co., Providence, R. I. Dandruff preparations, preparation for eradicating wrinkles, for relief of baldness, etc. 319,033 Nov. 13; Serial No. 351,855; published Sept. 4, 1934. Class 6.
Frigid-Mix Company, The. (See Crump, Murrel.)
Frisbie Pie Co., The, Bridgeport, Conn. Pies. 319,117; Nov. 13; Serial No. 353,755; published Sept. 4, 1934. Class 46.
G. A. Manufacturing Co. (See Ades, George.)
Gandolfi, L., & Co. Inc., New York, N. Y. Wines. 319,040; Nov. 13; Serial No. 354,608; published Sept. 4, 1934. Class 47.
Garnier, Ralph L., Los Angeles, Calif. Half-tone photo-engravings. 319,023; Nov. 13; Serial No. 349,720; published Sept. 11, 1934. Class 38.
Gases Incorporated, Chicago, Ill. Compressed gases. 319,017; Nov. 13; Serial No. 354,083; published Sept. 4, 1934. Class 6.
General Cellulose Company, Inc., The, Westfield, N. J. Absorbent cellulose paper. 319,037; Nov. 13; Serial No. 352,062; published Sept. 11, 1934. Class 37.
General Fire Extinguisher Company, Providence, R. I. Sprinkler heads. 319,102; Nov. 13; Serial No. 345,905; published Sept. 4, 1934. Class 23.
General Mills, Inc. (See Louisville Milling Company, assignor.)
General Mills, Inc. (See Washburn-Crosby Co., assignor.)
Georgia Kaolin Company, Elizabeth, N. J. Clay. 319,006; Nov. 13; Serial No. 354,249; published Sept. 4, 1934. Class 1.
Glissen Company, The. (See Nixon, George.)
Globe-Union Mfg. Co., Milwaukee, Wis. Ice skates. 319,002; Nov. 13; Serial No. 354,439; published Sept. 4, 1934. Class 22.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber belting. 101,845; renewed Sept. 21, 1934.
Gourland, Michel, New York, N. Y. Bath softening and perfuming lotion. 319,012; Nov. 13; Serial No. 354,155; published Sept. 4, 1934. Class 10.
Grainger, W. B., Packing Co., Salinas, Calif. Fresh lettuce. 319,113; Nov. 13; Serial No. 353,801; published Sept. 4, 1934. Class 46.
Griffler Wine Co., Inc. The, New York, N. Y. Vermouth. 319,028–9; Nov. 13; Serial Nos. 351,353–4; published Sept. 4, 1934. Class 47.
Gross, Harry, doing business as Bon Ton Wall Paper Co., Philadelphia, Pa. Wall paper. 319,062; Nov. 13; Serial No. 353,000; published Sept. 11, 1934. Class 37.
Hart Manufacturing Company, The, Cleveland, Ohio. Die-stocks for pipes, bolts, rods, and tubing. 43,389; renewed Sept. 20, 1934.
Hartford Products Corporation, Hartford, Conn. Beverage strainers. 319,112; Nov. 13; Serial No. 353,849; published Sept. 4, 1934. Class 13.
Hilex Company, The, St. Paul, Minn. Liquid cleaning, bleaching, deodorizing, and disinfecting preparation. 319,109; Nov. 13; Serial No. 353,928; published Sept. 4, 1934. Class 6.
Hookless Fastener Company, Meadville, Pa. Chains of all descriptions used in connection with slide fasteners. 319,009; Nov. 13; Serial No. 354,295; published Sept. 4, 1934. Class 13.
Horner, George W., & Co. Limited, Chester-Le-Street, England. Bon-bons, toffees, caramels, etc. 101,164; renewed Nov. 17, 1934.
Hosmer, Frank F., Glendale, Calif. Trusses. 319,020; Nov. 13; Serial No. 339,456; published Sept. 4, 1934. Class 44.
Igleheart Brothers, Incorporated. (See Phoenix Flour Mill, assignor.)
Illinois Canning Company, The, Hoopeston, Ill. Canned vegetables. 319,106; Nov. 13; Serial No. 344,279; published Sept. 4, 1934. Class 46.
Ivers & Pond Piano Company, Boston, Mass. Pianos. 43,427; renewed Sept. 27, 1934.
Ivers & Pond Piano Company, Boston, Mass. Pianos. 43,711; renewed Nov. 15, 1934.
Johns-Manville Corporation, New York, N. Y. Insulating board. 319,115; Nov. 13; Serial No. 353,786; published Aug. 28, 1934. Class 12.

Johnson Gas Appliance Company, Cedar Rapids, Iowa. Gas burners. 319,123; Nov. 13; Serial No. 353,514; published Sept. 4, 1934. Class 34.
Kelly, Walter E., Portland, Oreg. Surf-planes. 319,074; Nov. 13; Serial No. 352,742; published Sept. 4, 1934. Class 22.
King Specialty Manufacturing Company, Mayfield, Ky. Combination chair, stepladder, and ironing board. 319,054; Nov. 13; Serial No. 353,136; published Sept. 4, 1934. Class 50.
Kraft-Phenix Cheese Corporation, Chicago, Ill. Cheese coated popcorn. 319,046; Nov. 13; Serial No. 354,045; published Sept. 4, 1934. Class 46.
La Parisienne Bakery Co. (See Cetta, Maria.)
Lee, William W., & Co., Watervliet and Troy, N. Y., assignor to Wm. W. Lee & Company, Troy, N. Y. Croup remedy. 101,958; renewed Jan. 19, 1935.
Lees Manufacturing Co., The, Westport, Conn., and New York, N. Y. Twines and cords. 103,104; renewed March 16, 1935.
Lesse, William, doing business as The Wildrose Company, Philadelphia, Pa. Liquid preparation for cleaning diamonds and jewelry. 319,111; Nov. 13; Serial No. 353,853; published Sept. 4, 1934. Class 4.
Libby, McNeill & Libby, Chicago, Ill. Sauer-kraut. 101,583; renewed Dec. 29, 1934.
Liebig's Extract of Meat Company, Limited, assignor to Oxo, Limited, London, England. Fluid beefs, meat extract, bouillon, etc. 102,421; renewed Feb. 9, 1935.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 319,041; Nov. 13; Serial No. 354,620; published Sept. 4, 1934. Class 49.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 319,048; Nov. 13; Serial No. 354,624; published Sept. 4, 1934. Class 49.
Liskin Company, The. (See Dmoch, Otto.)
Louisville Milling Company, Louisville, Ky., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 102,570; renewed Feb. 16, 1935.
Macy, R. H., & Co., Inc., New York, N. Y. Upholstered sofas, love seats, club chairs, etc. 319,052; Nov. 13; Serial No. 353,176; published Sept. 4, 1934. Class 32.
Maffitt, Ellen W., doing business as The Patch Products Company, Hot Springs, Va. Pickles. 319,038; Nov. 13; Serial No. 352,089; published Sept. 4, 1934. Class 46.
Maison Blanche Co., New Orleans, La. Shoes, millinery, hats, etc. 103,170; renewed March 16, 1935.
Maison F. Chauvenet, S. A., Nuits-St-Georges, France. Wines. 319,095; Nov. 13; Serial No. 347,621; published Sept. 4, 1934. Class 47.
Maison F. Chauvenet, S. A., Nuits-St-Georges, France. Wines. 319,096; Nov. 13; Serial No. 347,619; published Sept. 4, 1934. Class 47.
Maison F. Chauvenet, S. A., Nuits-St-Georges, France. Wines. 319,097–8; Nov. 13; Serial Nos. 347,616–17; published Sept. 4, 1934. Class 47.
Martin Bros., to Martins, Limited, London, England, successor. Smoking tobacco and cigarettes. 43,476; renewed Oct. 11, 1934.
Masury-Young Company, Charlestown, Mass. Preparation for cleaning, preserving, and beautifying wood, painted cement floors, etc. 319,071; Nov. 13; Serial No. 352,624; published Sept. 11, 1934. Class 16.
Maxwell House Products Company, Inc. (See Check-Neal Coffee Co., assignor.)
McChesney, Harry W., St. Louis, Mo., assignor to Plough, Inc., Memphis, Tenn. Medicinal liniment. 100,580; renewed Oct. 20, 1934.
McLaughlin, W. F., & Company, Chicago, Ill. Tea and blended coffee. 100,004; renewed Sept. 29, 1934.
Melba Manufacturing Company, Chicago, Ill., assignor, by mesne assignments, to Vadsco Sales Corporation, Long Island City, N. Y. Perfumes, toilet powders, and creams. 100,371; renewed Oct. 20, 1934.
Michels, Peter J., New York, N. Y. Razors, shears, scissors, and files. 103,109; renewed Mar. 16, 1935.
Midgetlab Company, St. Louis, Mo. Chemical sets. 319,034; Nov. 13; Serial No. 351,864; published Sept. 4, 1934. Class 26.
Mitchell & Dillon Coal Company, Chicago, Ill. Coal. 101,309; renewed Nov. 24, 1934.
Morris, Mann & Reilly, New York, N. Y., assignor to Morris, Mann & Reilly, Inc. Articles made of or plated with precious metal. 102,927; renewed Mar. 2, 1935.
Mumm, G. H., & Co., Rheims, assignor to Societe Vinicole de Champagne, Paris and Rheims, France. Champagne and other sparkling wines. 97,345–6; renewed June 2, 1934.
Murphy, Parker, Waterloo, Iowa. Pure orange juices. 319,058; Nov. 13; Serial No. 353,038; published Sept. 4, 1934. Class 45.
Muter Company, The, Chicago, Ill. Thermometers and humidity indicators. 319,050; Nov. 13; Serial No. 353,226; published Sept. 4, 1934. Class 26.
National Metal Edge Box Co., Philadelphia, Pa. Cardboard box preparation in nature of varnish. 319,121; Nov. 13; Serial No. 353,592; published Sept. 11, 1934. Class 16.
National Oil Products Company. (See Nopco Laboratories, Inc., assignor.)
National Pumps Corporation, Dayton, Ohio. Apparatus for eliminating air from liquid in the discharge line of a pump or the like. 319,053; Nov. 13; Serial No. 353,139; published Sept. 4, 1934. Class 23.
National Roofing Company, The, assignor to National Manufacturing Corporation, Tonawanda, N. Y. Asphaltum cements. 102,720; renewed Feb. 23, 1935.
National Tube Company, Pittsburgh, Pa. Metal pipes, tubes, and casings. 102,635; renewed Feb. 16, 1935.
New York Theatre Program Corporation, New York, N. Y. Periodical. 319,018; Nov. 13; Serial No. 354,573; published Sept. 11, 1934. Class 38.
Nixon, George, doing business as The Glissen Company, Mobile, Ala. Composition for cleaning dental plates. 319,016; Nov. 13; Serial No. 354,094; published Sept. 4, 1934. Class 4.
Nopco Laboratories, Inc., assignor to National Oil Products Company, Harrison, N. J. Vitamine D carrying menstruums for ingredients of breads, cakes, etc. 319,091; Nov. 13; Serial No. 337,085; published Sept. 4, 1934. Class 46.
Northwestern Barb Wire Company, Sterling, Ill. Galvanized fences. 319,015; Nov. 13; Serial No. 354,095; published Sept. 4, 1934. Class 13.
Norton, Francis A., Joplin, Mo. Ignition system and equipment for internal combustion engines. 319,087; Nov. 13; Serial No. 334,068; published Sept. 4, 1934. Class 21.
Orowitz, Eli M., Atlantic City, N. J. Newspaper column. 319,129; Nov. 13; Serial No. 353,406; published Sept. 11, 1934. Class 38.
Oxo, Limited. (See Liebig's Extract of Meat Company, Limited, assignor.)
Palenik, Stephen. (See Fodor, John, jr., and Stephen Palenik.)
Parker, R. T., Inc., Flushing, N. Y. Laxative preparations. 319,030; Nov. 13; Serial No. 351,821; published Sept. 4, 1934. Class 6.
Patch Products Company, The. (See Maffit, Ellen W.)
Peet, Rogers, Company, New York, N. Y. Games, sporting goods, and gymnasium supplies. 103,121; renewed Mar. 16, 1935. Class 22.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. 319,101; Nov. 13; Serial No. 346,706; published Sept. 4, 1934. Class 35.
Phoenix Flour Mill, Evansville, Ind., assignor to Igleheart Brothers, Incorporated, New York, N. Y. Self-rising flour. 100,609; renewed Oct. 20, 1934.
Photo Utilities, Inc., New York, N. Y. Exposure meters, photographic shutters, lenses, etc. 319,077; Nov. 13; Serial No. 352,873; published Sept. 4, 1934. Class 26.
Plochman & Harrison, Chicago, Ill. Mustard. 319,069; Nov. 13; Serial No. 352,449; published Sept. 4, 1934. Class 46.
Plochman & Harrison, Chicago, Ill. Mustard. 319,099; Nov. 13; Serial No. 346,926; published Sept. 4, 1934. Class 46.
Plough, Inc. (See McChesney, Harry W., assignor.)
Premium Bakers Inc., Brooklyn, N. Y. Bread and pumpernickle bread. 319,022; Nov. 13; Serial No. 349,098; published Sept. 4, 1934. Class 46.
Putnam Knitting Company, Coboes, N. Y. Knitted washcloths and towels. 103,207; renewed Mar. 23, 1935.
Quabaug Rubber Company. (See B & R Rubber Company, The, assignor.)
Quinn, J. W., Drug Company, Inc., Greenwood, Miss. Laxative preparations, tonic, liniment, etc. 319,125; Nov. 13; Serial No. 353,483; published Sept. 4, 1934. Class 6.
Ralston Purina Company, St. Louis, Mo. Dairy feed. 102,843; renewed Feb. 23, 1935.
Ralston Purina Company, St. Louis, Mo. Horse and mule feed, dairy feed, etc. 102,844; renewed Feb. 23, 1935.
Ralston Purina Company, St. Louis, Mo. Bread. 102,845; renewed Feb. 23, 1935.
Rawlings & Sons (London) Limited, London, England. Wines. 319,063; Nov. 13; Serial No. 352,103; published Sept. 4, 1934. Class 47.
Reading Rubber Manufacturing Company, Reading, Mass. Rubberized, water-proofed, and treated fabrics. 319,089; Nov. 13; Serial No. 354,357; published Sept. 4, 1934. Class 50.
Rheinische Kronen-Sektkellerei "Schloss Ardeck". (See Schweickert, Heinrich.)
Rice-Stix Dry Goods Co., St. Louis, Mo. Children's blouses, overalls, coats, etc. 101,874; renewed Jan. 12, 1935.
Rising Paper Company, Housatonic, Mass. Paper. 319,004; Nov. 13; Serial No. 354,264; published Sept. 11, 1934. Class 37.
Rising Paper Company, Housatonic, Mass. Paper. 319,005; Nov. 13; Serial No. 354,262; published Sept. 11, 1934. Class 37.
Samson Electric Company, Canton, Mass., assignor to S. H. Couch Company, Inc., Quincy, Mass. Open-circuit electric batteries. 101,876; renewed Jan. 12, 1935.
Sarona, Inc. (See Schering Corporation, assignor.)
Sealebuoy Company, The. (See Electronic Process Company.)
Schering Corporation, assignor to Sarona, Inc., Bloomfield, N. J. Apparatus for cleaning liquid conduits. 319,072; Nov. 13; Serial No. 352,632; published Sept. 4, 1934. Class 23.
Schroeder, Joseph C., St. Louis, Mo. Medicines and pharmaceutical preparations. 99,796; renewed Sept. 15, 1934.
Schwab & Wuischpard, New York, N. Y. Watch cases. 319,092; Nov. 13; Serial No. 348,195; published Sept. 4, 1934. Class 27.

Schweickert, Heinrich, doing business as Rheinische Kronen-Sektkellerei "Schloss Ardeck", Gau-Algesheim-on-the-Rhine, Germany. Sparkling Wines. 319,094; Nov. 13; Serial No. 347,880; published Sept. 4, 1934. Class 47.
Sears Brothers & Company, Watsonville, Calif. Fresh vegetables. 319,051; Nov. 13; Serial No. 353,184; published Sept. 4, 1934. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Garden hose. 319,128; Nov. 13; Serial No. 353,452; published Sept. 4, 1934. Class 35.
Seligman, Wellesley J., New York, N. Y. Tapioca flour sold for use in the preparation of adhesives, etc. 319,065–6; Nov. 13; Serial Nos. 352,402–3; published Sept. 4, 1934. Class 1.
Shelby Blade Company, Memphis, Tenn. Razor blades. 319,075; Nov. 13; Serial No. 352,840; published Sept. 4, 1934. Class 23.
Société Anonyme Immobilière & Agricole de l'Harrach, Algiers, Algeria. Wines. 319,104; Nov. 13; Serial No. 345,477; published Sept. 4. 1934. Class 47.
Societe Vinicole de Champagne. (See Mumm, G, H., & Co., assignor.)
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils. 319,999–001; Nov. 13; Serial Nos. 354,478–80; published Sept. 4, 1934. Class 15.
Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses and lens blanks. 319,130–1; Nov. 13; Serial Nos. 353,358–9; published Sept. 4, 1934. Class 26.
Southeastern Brewing Co., Chattanooga, Tenn. Beer and ale. 319,116; Nov. 13; Serial No. 353,773; published Sept. 4, 1934. Class 48.
Spalding, A. G., & Bros., New York, N. Y. Tennis rackets. 319,047; Nov. 13; Serial No. 354,006; published Aug. 21, 1934. Class 22.
Spink, Charles, & Son. (See Sporting News Publishing Company, The.)
Spool Cotton Company, The, Newark, N. J., and New York, N. Y., assignor to The Clark Thread Company, Newark, N. J. Thread. 102,589; renewed Feb. 16, 1935.
Sporting News Publishing Company, The, doing business as Charles Spink & Son, St. Louis, Mo. Publications. 319,108; Nov. 13; Serial No. 353,968; published Sept. 11, 1934. Class 38.
Stevens, Frederic B., Inc., Detroit, Mich. Parting compound. 319,127; Nov. 13; Serial No. 353,455; published Sept. 4, 1934. Class 1.
Stone, J., & Company, Limited, Deptford, England. Aluminum alloys. 319,119; Nov. 13; Serial No. 353,688; published Sept. 4, 1934. Class 14.
Stone Straw Corporation, Washington, D. C. Drinking straws. 319,070; Nov. 13; Serial No. 352,507; published Sept. 4, 1934. Class 50.
Sweet, Orr & Co. Inc., New York, N. Y., to Sweet-Orr & Co., Inc., Wappingers Falls, and New York, N. Y. Overalls, trousers, and shirts. 100,648; renewed Oct. 20, 1934.
Tacony File & Hardware Company, Philadelphia, Pa. Files. 103,211; renewed Mar. 23, 1935.
Tennant, G. H., Company, Minneapolis, Minn. Bottle crates. 319,084; Nov. 13; Serial No. 278,443; published Sept. 4, 1934. Class 2.
Thayer, Henry, & Company, assignor to Henry Thayer & Company, Inc., Cambridge, Mass. Medicines and remedies for diseases. 101,886; renewed Jan. 12, 1935.
Thum, Martin, Rochester, N. Y. Spring bed and spring seat bottoms. 319,122; Nov. 13; Serial No. 353,548; published Sept. 4, 1934. Class 32.
Turner Packing Company, Brooksville, Fla. Fertilizer. 319,049; Nov. 13; Serial No. 353,245; published Sept. 4, 1934. Class 10.
Underwood, William, Company, Boston, assignor, by mesne assignments, to William Underwood Company, Watertown, Mass. Canned fish, ham, poultry, and beef. 100,229; renewed Oct. 13, 1934.
Union Special Machine Company, Chicago, Ill. Machine-needles. 100,051; renewed Sept. 29, 1934.
United States Rubber Company. (See American Rubber Company, assignor.)
Universal Cotton Roll Co., The, Hollywood, Calif. Absorbent catamenial tampons. 319,056; Nov. 13; Serial No. 353,084; published Sept. 4, 1934. Class 44.
Vadsco Sales Corporation. (See Melba Manufacturing Company, assignor.)
Victor Casket Hardware Co., Galesburg, Ill. Casket and burial vault hardware. 319,031; Nov. 13; Serial No. 351,832; published Sept. 4, 1934. Class 13.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. Safes, burglar and fire proof cabinets, etc. 319,105; Nov. 13; Serial No. 345,278; published Sept. 4, 1934. Class 25.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Fasteners. 319,042; Nov. 13; Serial No. 353,248; published Sept. 14, 1934. Class 13.
Washburn-Crosby Co., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 102,475; renewed Feb. 9, 1935.
Watson, Angus, & Co., Newcastle-on-Tyne, England, assignor, by mesne assignments, to Angus Watson & Co. (America) Limited, San Francisco, Calif. Sardines. 43,871; renewed Dec. 20, 1934.
Werk, M., Company, The, St. Bernard, Ohio. Cleaning compound for general laundry, textile, and similar industrial uses. 319,045; Nov. 13; Serial No. 354,061; published Sept. 4, 1934. Class 4.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Choke fittings for application to the exhaust outlet of a triple valve device. 319,079–80; Nov. 13; Serial Nos. 352,940–1; published Sept. 4, 1934. Class 13.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magnetic metal alloys. 319,003; Nov. 13; Serial No. 354,333; published Sept. 4, 1934. Class 14.
White, George S., Incorporated, Yonkers, N. Y., Danbury, Conn., and Los Angeles, Calif., assignor to George S. White, Los Angeles, Calif. Disinfectants. 101,062; renewed Nov. 10, 1934.
Wildrose Company, The. (See Lesse, William.)
Wile, Julius, Sons & Co., Inc., New York, N. Y. Moselle wine. 319,036; Nov. 13; Serial No. 352,054; published Sept. 4, 1934. Class 47.
Wrigley, Wm., Jr. Company, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing-gum. 100,058; renewed Sept. 29, 1934.
Wrigley, Wm., Jr. Company, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing gum. 100,061; renewed Sept. 29, 1934.
Wrigley, Wm., Jr. Company, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing-gum. 100,064–7; renewed Sept. 29, 1934.
Wrigley, Wm., Jr. Company, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing-gum. 100,070; renewed Sept. 29, 1934.
Yardley of London, Inc., Union City, N. J. Astringent cerates, astringents, beauty and bleach creams, etc. 319,073; Nov. 13; Serial No. 352,701; published Aug. 21, 1934. Class 6.
Zimmer, Peter, doing business as Zimmer Printers' Supply Co., New York, N. Y. Metal face wood printing blocks. 319,126; Nov. 13; Serial No. 353,461; published Sept. 11, 1934. Class 50.
Ziv Steel & Wire Co., Chicago, Ill. Tool, hobbing and die steel, and iron. 319,032; Nov. 13; Serial No. 351,834; published Sept. 4, 1934. Class 14.

LIST OF REGISTRANTS OF LABELS

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Shoulder Pad. For Shoulder Pads. 44,622; Nov. 13.
Ambrosia Chocolate Co., Milwaukee, Wis. Ambrosia Pure Milk Chocolate. For Milk Chocolate. 44,623; Nov. 13.
Anderson Home Infirmary, Inc., The, Springfield, Mo. 2 in 1 Laxative Compound for Intestinal Putrefaction. For Laxative Compound Tablets. 44,624; Nov. 13.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spice Drops. For Spice Drops. 44,625; Nov. 13.
Bird & Son, Inc., East Walpole, Mass. Pari-Smart. For Shoes. 44,626; Nov. 13.
Bobs Candy and Pecan Company, The, Albany, Ga. Bobs'. For Candy and Peanuts. 44,627; Nov. 13.
California Prune & Apricot Growers Association, San Jose, Calif. Whip-Prune. For Strained Prune Pulp. 44,628; Nov. 13.
Century Brewing Association, Seattle, Wash. Century's Rheinlander Beer. For Beer. 44,629; Nov. 13.
D. D. D. Corporation, Batavia, Ill. D. D. D. Prescription. For Product Intended to Relieve Itching and Other Irritations of the Skin and Scalp. 44,630; Nov. 13.
Driver & Woodrow, Wenatchee, Wash. Four Star Brand. For Fresh Apples. 44,631; Nov. 13.
Fruit Growers Cooperative, Sturgeon Bay, Wis. Door County Brand. For Pitted Sour Red Cherries. 44,632; Nov. 13.
General Concession Corporation, Cleveland, Ohio. Main Street Merchandise Store. For Merchandise Cartons and Consists of All the Printed Matter on the Face of the Carton Except the Panels Containing the Removable Tabs. 44,633; Nov. 13.
Hancock Oil Company of California, The, Long Beach, Calif. Cock o' the Walk. For Gasoline. 44,634; Nov. 13.
Kennel Gardens, Inc., Elkridge, Md. One-Spot Flea Killer. For Powder to Kill Fleas and Lice on Animals. 44,635; Nov. 13.
Lauder, Joel Henry, Elgin, Ill. Puritan-Tea. For an Herb Tea. 44,636; Nov. 13.
Miller, Volina, Lubbock, Tex. Dr. Miller's Glen-Co-Line. For Preparation for Colds, Bronchitis, Pneumonia, and Sinus Trouble. 44,637; Nov. 13.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Hair Dressing Pomade. For Hair Dressing Pomade. 44,638; Nov. 13.
Northern Illinois Cereal Company, Lockport, Ill. Gold Medal New Process Oats with Tumbler. For Oats. 44,639; Nov. 13.

Northern Paper Mills, Green Bay, Wis. Royal Arms. For Tissue, a Type of Toilet Paper. 44,640; Nov. 13.
Paragon, Incorporated, Chicago, Ill. Sea Hawk. For Bourbon Whiskey. 44,641; Nov. 13.
Paragon, Incorporated, Chicago, Ill. Delaware. For Straight Whiskey. 44,642; Nov. 13.
Paragon, Incorporated, Chicago, Ill. Hunters Lodge. For Whiskey. 44,643; Nov. 13.
Paragon, Incorporated, Chicago, Ill. Valley Forge. For Bourbon Whiskey. 44,644; Nov. 13.
Perfection Biscuit Company, Fort Wayne, Ind. Soda-Flake Crackers. For Crackers. 44,645; Nov. 13.
Salada Tea Co. Inc., Boston, Mass. 'Salada' Red Label. For Black Tea. 44,646–7; Nov. 13.
Salada Tea Co. Inc., Boston, Mass. 'Salada' Brown Label. For Black Tea. 44,648–9; Nov. 13.
Salada Tea Co. Inc., Boston, Mass. 'Salada' Brown Label. For Mixed Tea. 44,650–1; Nov. 13.
Sambo Dairy Products, Inc., Brooklyn, N. Y. Flower Garden. For Blackberry Preserves. 44,652; Nov. 13.
Squires, Harry, doing business as Squires Laboratories, Thompsonville, Conn. Squires. For Hair Tonic. 44,653; Nov. 13.
Taylor & Ferguson Ltd., Glasgow, Scotland. Taylor's Fine Old Liqueur Scotch Whisky. For Scotch Whisky. 44,654; Nov. 13.
Tolfree, Edward R., doing business as "X" Laboratories, New York, N. Y. "X" Radiator Flush. For a Scale-Removing and Flushing Compound for Automobile Radiators. 44,655; Nov. 13.
Valmor Products Company. (See Neumann, Morton G.)
Ward Baking Company, New York, N. Y. Hetty Harper Ward's. For Cake. 44,656; Nov. 13.
Wight, Frank L., Distilling Company, The, Baltimore, Md. Sherbrook. For Straight Rye Whiskey. 44,657; Nov. 13.
"X" Laboratories. (See Tolfree, Edward R.)
Yough Brewing Company, Connellsville, Pa. Yough Beer. For Beer. 44,658; Nov. 13.

LIST OF REGISTRANTS OF PRINTS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spice Drops. For Spice Drops. 14,914; Nov. 13.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Attack! Resist! For Rugs. 14,915; Nov. 13.
Cream of Wheat Corporation, Minneapolis, Minn. Is Your Child in for a Siege of Miserable Colds? For Wheat Breakfast Food. 14,916; Nov. 13.
Friberg, Alger R., doing business as A. R. Friberg Co., Los Angeles, Calif. Seals the Contact. For Brake Lining Cement. 14,917; Nov. 13.
Ralston Purina Company, St. Louis, Mo. Hot Weather Prescription! (Poster). For Dairy Feed. 14,918; Nov. 13.
Ralston Purina Company, St. Louis, Mo. First Aid to Burnt Pasture! (Poster). For Dairy Feed. 14,919; Nov. 13.
Schreiber Brewing Company, Inc., Buffalo, N. Y. Thoroughly Delicious. For Beer. 14,920; Nov. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay. Georgia Kaolin Company. 319,006; Nov. 13; Serial No. 354,240; published Sept. 4, 1934.
Coal. Mitchell & Dillon Coal Company. 101,309; renewed Nov. 24, 1934.
Parting compound. Frederic B. Stevens, Inc. 319,127; Nov. 13; Serial No. 353,455; published Sept. 4, 1934.
Seed and sweet clover seed, Alfalfa. Barteldes Seed Company. 319,057; Nov. 13; Serial No. 353,056; published Sept. 4, 1934.
Tapioca flour for use in the preparation of adhesives, etc. W. J. Seligman. 319,065–6; Nov. 13; Serial Nos. 352,402–3; published Sept. 4, 1934.

CLASS 2

Crates of wood and metal, Bottle. G. H. Tennant Company. 319,084; Nov. 13; Serial No. 278,443; published Sept. 4, 1934.

CLASS 4

Cleaning and polishing preparations. Cando Corporation. 319,026; Nov. 13; Serial No. 350 885; published Sept. 4, 1934.
Cleaning compound. M. Werk Company. 319,045; Nov. 13; Serial No. 354,061; published Sept. 4, 1934.
Cleaning preparation. G. Ades. 319,068; Nov. 13; Serial No. 352,411; published Sept. 4, 1934.
Composition for cleaning dental plates, etc. G. Nixon. 319,016; Nov. 13; Serial No. 354,094; published Sept. 4, 1934.
Liquid preparation. W. Lesse. 319,111; Nov. 13; Serial No. 353,853; published Sept. 4, 1934.
Soaps Toilet and laundry. Cincinnati Soap Company. 319,064; Nov. 13; Serial No. 352,222; published Sept. 4, 1934.

CLASS 5

Liquid skin. O. Dmoch. 319,019; Nov. 13; Serial No. 338,818; published Sept. 4, 1934.

CLASS 6

Allergy treatment solution. Burdick Corporation. 319,067; Nov. 13; Serial No. 352,424; published Sept. 4, 1934.
Astringent cerates, astringents, beauty and bleach creams, etc. Yardley of London, Inc. 319,073; Nov. 13; Serial No. 352,701; published Aug. 21 1934.
Croup remedy. William W. Lee & Co. 101,958; renewed Jan. 19, 1935.
Dandruff preparations, preparation for eradicating wrinkles, for relief of baldness, and freckles. A. Fransosi. 319,033; Nov. 13; Serial No. 351,855; published Sept. 4, 1934.
Disinfectants. G. S. White. 101,062; renewed Nov. 10, 1934.
Embrocation. William Edwards and Son. 117,237; renewed Dec. 2, 1934.
Gases, Compressed. Gases Incorporated. 319,017; Nov. 13; Serial No. 354,083; published Sept. 4, 1934.
Hair pomade. E. Riggs. 319,035; Nov. 13; Serial No. 351,963; published Sept. 4, 1934.
Laxative preparations. R. T. Parker, Inc. 319,030; Nov. 13; Serial No. 351,821; published Sept. 4, 1934.
Laxative preparations, tonic for malaria, chills and fever, liniment, etc. J. W. Quinn Drug Company. 319,125; Nov. 13; Serial No. 353,483; published Sept. 4, 1934.
Liniment, Medicinal. H. W. McChesney. 100,580; renewed Oct. 20, 1934.
Lip sticks and lip pomades. Chesebrough Manufacturing Company, Consolidated. 319,120; Nov. 13; Serial No. 353,602; published Sept. 4, 1934.
Liquid cleaning, deodorizing and disinfecting preparation. Hilex Company. 319,109; Nov. 13; Serial No. 353,928; published Sept. 4, 1934.
Liver extract. Concentrated. Chell. Société Anonyme. 319,118; Nov. 13; Serial No. 353,707; published Sept. 4, 1934.
Lotion, Bath softening and perfuming. M. Gouland. 319,012; Nov. 13; Serial No. 354,155; published Sept. 4, 1934.
Medicines and pharmaceutical preparations. J. C. Schroeder. 99,796; renewed Sept. 15, 1934.
Medicines and remedies for diseases. Henry Thayer & Company. 101,886; renewed Jan. 12, 1935.
Ointment. E. Burgess. 102,038; renewed Jan. 26, 1935.
Perfumes, toilet powders and creams. Melba Manufacturing Company. 100,371; renewed Oct. 20, 1934.
Shampoo powder. Celeste Products. 319,014; Nov. 13; Serial No. 354,111; published Sept. 4, 1934.
Toilet cerate. S. R. Feil Company. 99,865; renewed Sept. 22, 1934.

CLASS 7

Twines and cords. Leos Manufacturing Co. 103,104; renewed March 16, 1935.

CLASS 10

Fertilizer. Turner Packing Company. 319,049; Nov. 13; Serial No. 353,245; published Sept. 4, 1934.

CLASS 11

Inks for the graphic industry and printing inks. Chemische Fabrik Halle-Ammendorf gebr. Hartmann. 319,067; Nov. 13; Serial No. 354,246; published Sept. 4, 1934.

CLASS 12

Board, Insulating. Johns-Manville Corporation. 319,115; Nov. 13; Serial No. 353,786; published Aug. 28, 1934.
Cement, Portland. Associated Portland Cement Manufacturers (1900), Limited. 101,481; renewed Oct. 20, 1934.
Cement, Portland. Associated Portland Cement Manufacturers (1900), Limited. 101,556; renewed Dec. 29, 1934.
Cements, Asphaltum. National Roofing Company. 102,720; renewed Feb. 23, 1935.

CLASS 13

Casket and burial vault hardware. Victor Casket Hardware Co. 319,031; Nov. 13; Serial No. 351,832; published Sept. 4, 1934.
Chains of all descriptions used in connection with slide fasteners. Hookless Fastener Company. 319,009; Nov. 13; Serial No. 354,205; published Sept. 4, 1934.

Choke fittings for application to the exhaust outlet of a triple valve device. The Westinghouse Air Brake Company. 319,079–80; Nov. 13; Serial Nos. 352,940–1; published Sept. 4, 1934.
Cookers, Pressure. Advance 'Aluminum Castings Corp. 319,114; Nov. 13; Serial No. 353,789; published Sept. 4, 1934.
Fasteners, Slide. Waldes Koh-I-Noor, Inc. 319,042; Nov. 13; Serial No. 353,248; published Sept. 4, 1934.
Fences, Galvanized. Northwestern Barb Wire Company. 319,015; Nov. 13; Serial No. 354,095; published Sept. 4, 1934.
Pipes, tubes, and casings, Metal. National Tube Company. 102,635; renewed Feb. 16, 1935.
Strainers, Beverage. Hartford Products Corporation. 319,112; Nov. 13; Serial No. 353,849; published Sept. 4, 1934.

CLASS 14

Aluminium alloys (unwrought or partly wrought). J. Stone & Company, Limited. 319,119; Nov. 13; Serial No. 353,688; published Sept. 4, 1934.
Magnetic metal alloys. Westinghouse Electric & Manufacturing Company. 319,003; Nov. 13; Serial No. 354,333; published Sept. 4, 1934.
Tool, hobbing and die steel, and iron. Ziv Steel & Wire Co. 319,032; Nov. 13; Serial No. 351,834; published Sept. 4, 1934.

CLASS 15

Oils and greases. Calumet Refining Co. 319,093; Nov. 13; Serial No. 347,964; published Sept. 4, 1934.
Oils, Lubricating. Socony-Vacuum Oil Company. 319,999–320,001; Nov. 13; Serial Nos. 354,478–80; published Sept. 4, 1934.

CLASS 16

Preparation for cleaning, preserving, and beautifying wood, cement floors, etc. Masury-Young Company. 319,071; Nov. 13; Serial No. 352,624; published Sept. 11, 1934.
Preparation in nature of varnish, Cardboard. National Metal Edge Box Co. 319,121; Nov. 13; Serial No. 353,592; published Sept. 11, 1934.

CLASS 17

Tobacco and cigarettes, Smoking. Martin Bros. 43,476; renewed Oct. 11, 1934.

CLASS 21

Batteries, Open-circuit electric. Samson Electric Company. 101,876; renewed Jan. 12, 1935.
Electronic discharge bulb. Electronic Process Company. 319,103; Nov. 13; Serial No. 345,593; published Sept. 4, 1934.
Ignition system and equipment for internal combustion. F. A. Norton. 319,087; Nov. 13; Serial No. 334,068; published Sept. 4, 1934.

CLASS 22

Amusement device. Bally Manufacturing Company. 318,997; Nov. 13; Serial No. 354,502; published Sept. 4, 1934.
Games, sporting goods, and gymnasium supplies. Roger Peet Company. 103,121; renewed Mar. 16, 1935.
Puzzles, Picture. John Fodor, jr., and Stephen Palenik. 319,088; Nov. 13; Serial No. 336,202; published Sept. 4, 1934.
Skates, Ice. Globe-Union Mfg. Co. 319,002; Nov. 13; Serial No. 354,439; published Sept. 4, 1934.
Surf-planes. W. E. Kelly. 319,074; Nov. 13; Serial No. 352,742; published Sept. 4, 1934.
Tennis rackets. A. G. Spalding & Bros. 319,047; Nov. 13; Serial No. 354,006; published Aug. 21, 1934.

CLASS 23

Apparatus for cleaning liquid conduits. Schering Corporation. 319,072; Nov. 13; Serial No. 352,632; published Sept. 4, 1934.
Apparatus for eliminating air from liquid in the discharge line of a pump or the like. National Pump Corporation. 319,053; Nov. 13; Serial No. 353,139; published Sept. 4, 1934.
Die-stocks for pipes, bolts, rods, and tubing. Hart Manufacturing Company. 43,389; renewed Sept. 20, 1934.
Files. Tacony File & Hardware Company. 103,211; renewed Mar. 23, 1935.
Knives, Kitchen-knives, pruners, budders, and erasers, Pocket. Dwight Divine & Sons. 102,918; renewed Mar. 2, 1935.
Machine-needles. Union Special Machine Company. 100,051; renewed Sept. 29, 1934.
Razor blades. Shelby Blade Company. 319,075; Nov. 13; Serial No. 352,840; published Sept. 4, 1934.
Razors, shears, scissors, and files. P. J. Michels. 103,109; renewed Mar. 16, 1935.
Sprinkler heads. General Fire Extinguishing Company. 319,102; Nov. 13; Serial No. 345,905; published Sept. 4, 1934.

CLASS 25

Safes, burglar and fire proof cabinets, etc. Victor Safe & Equipment Company. 319,105; Nov. 13; Serial No. 345,278; published Sept. 4, 1934.

CLASS 26

Apparatus for recording, reproducing, and/or projecting pictures, sounds, and pictures simultaneously, cameras, etc. Eugen Bauer Gesellschaft mit beschrankter Haftung. 319,027; Nov. 13; Serial No. 351,097; published Sept. 4, 1934.
Chemical sets. Midgetlab. 319,034; Nov. 13; Serial No. 353,864; published Sept. 4, 1934.
Lenses and lens blanks, Ophthalmic. Soft-Lite Lens Company. 319,130–1; Nov. 13; Serial Nos. 353,358–9; published Sept. 4, 1934.
Meters, photographic shutters, etc., Exposure. Photo Utilities, Inc. 319,077; Nov. 13; Serial No. 352,873; published Sept. 4, 1934.
Thermometers and humidity indicators. Muter Company. 319,050; Nov. 13; Serial No. 353,226; published Sept. 4, 1934.

CLASS 27

Watch cases. Schwab & Wuischpard. 319,092; Nov. 13; Serial No. 348,195; published Sept. 4, 1934.
Watches, watch movements, and watch cases. Elgin National Watch Company. 319,011; Nov. 13; Serial No. 354,197; published Sept. 4, 1934.

CLASS 28

Articles made of or plated with precious metal. Morris, Mann & Reilly. 102,927; renewed Mar. 2, 1935.

CLASS 32

Bed and spring seat bottoms, Spring. M. Thum. 319,122; Nov. 13; Serial No. 353,548; published Sept. 4, 1934.
Sofas, love seats, club chairs, etc., Upholstered. R. H. Macy & Co. 319,052; Nov. 13; Serial No. 353,176; published Sept. 4, 1934.

CLASS 34

Burners and parts thereof, Oil. Century Engineering Corporation. 319,107; Nov. 13; Serial No. 342,963; published Sept. 4, 1934.
Burners, Gas. Johnson Gas Appliance Company. 319,123; Nov. 13; Serial No. 353,514; published Sept. 4, 1934.
Furnaces and parts thereof, hearths and parts thereof, etc. Carborundum Company. 319,008; Nov. 13; Serial No. 354,244; published Sept. 4, 1934.
Reflectors. M. B. Cherniak. 319,124; Nov. 13; Serial No. 353,500; published Sept. 4, 1934.

CLASS 35

Belts and belting, Machine. Fleming, Birkby & Goodall, Limited. 43,939; renewed Dec. 27, 1934.
Hose, Garden. Sears, Roebuck and Co. 319,128; Nov. 13; Serial No. 353,452; published Sept. 4, 1934.
Piston rings. Perfect Circle Company. 319,101; Nov. 13; Serial No. 346,706; published Sept. 4, 1934.
Rubber belting. Goodyear Tire & Rubber Company. 101,845; renewed Sept. 21, 1934.
Pianos. Ivers & Pond Piano Company. 43,427; renewed Sept. 27, 1934.
Pianos. Ivers & Pond Piano Company. 43,711; renewed Nov. 15, 1934.
Pianos, player-pianos, and piano-players. Baldwin Company. 101,355; renewed Dec. 8, 1934.

CLASS 37

Paper. Rising Paper Company. 319,004; Nov. 13; Serial No. 354,264; published Sept. 11, 1934.
Paper. Rising Paper Company. 319,005; Nov. 13; Serial No. 354,262; published Sept. 11, 1934.
Paper, Absorbent cellulose. General Cellulose Company. 319,037; Nov. 13; Serial No. 352,062; published Sept. 11, 1934.
Paper, Wall. H. Gross. 319,062; Nov. 13; Serial No. 353,000; published Sept. 11, 1934.
Sheets and binders and parts thereof, pads, etc., Loose-leaf. Boorum & Pease Company. 318,998; Nov. 13; Serial No. 354,495; published Sept. 11, 1934.

CLASS 38

Magazine. Frankwyn Productions, Inc. 319,010; Nov. 13; Serial No. 354,200; published Sept. 11, 1934.
Newspaper column. E. M. Orowitz. 319,129; Nov. 13; Serial No. 353,406; published Sept. 11, 1934.
Periodical. Bonfort's Wine and Spirit Circular, Inc. 319,024; Nov. 13; Serial No. 350,010; published Sept. 11, 1934.
Periodical. New York Theatre Program Corporation. 319,018; Nov. 13; Serial No. 354,573; published Sept. 11, 1934.
Photo-engravings, Half-tone. R. L. Garnier. 319,023; Nov. 13; Serial No. 349,720; published Sept. 11, 1934.
Publication. Cramer's Bakery Inc. 319,090; Nov. 13; Serial No. 354,402; published Sept. 11, 1934.
Publications. Sporting News Publishing Company. 319,108; Nov. 13; Serial No. 353,968; published Sept. 11, 1934.

CLASS 39

Blouses, overalls, coats, etc., Children's. Rice-Stix Dry Goods Co. 101,874; renewed Jan. 12, 1935.
Boots and shoes, Rubber. American Rubber Company. 100,477; renewed Oct. 20, 1934.
Clothing. Ferguson Waterproof Co. 100,312; renewed Oct. 20, 1934.

Overalls, trousers, and shirts. Sweet, Orr & Co. Inc. 100,648; renewed Oct. 20, 1934.
Shoes, millinery, hats, etc. Maison Blanche Co. 103,170; renewed Mar. 16, 1935.
Soles and heels, Rubber. B & R Rubber Company. 102,556; renewed Feb. 16, 1935.

CLASS 42

Handkerchiefs. Cluett, Peabody & Co. 103,902; renewed Mar. 16, 1935.
Wash-cloths and towels, Knitted. Putnam Knitting Company. 103,207; renewed Mar. 23, 1935.

CLASS 43

Thread. Spool Cotton Company. 102,589; renewed Feb. 16, 1935.

CLASS 44

Catamenial tampons, Absorbent. Universal Cotton Roll Co. 319,056; Nov. 13; Serial No. 353,084; published Sept. 4, 1934.
Trusses. F. F. Hosmer. 319,020; Nov. 13; Serial No. 339,456; published Sept. 4, 1934.

CLASS 45

Orange juices, Pure. P. Murphy. 319,058; Nov. 13; Serial No. 353,038; published Sept. 4, 1934.

CLASS 46

Beefs, meat extract, bouillon, etc., Fluid. Liebig's Extract of Meat Company. 102,421; renewed Feb. 9, 1935.
Biscuits for dogs, Cubed. A. L. Belotti. 319,025; Nov. 13; Serial No. 350,309; published Sept. 4, 1934.
Bon-bons, toffees, caramels, etc. George W. Horner & Co. Limited. 101,164; renewed Nov. 17, 1934.
Bread. Ralston Purina Company. 102,845; renewed Feb. 23, 1935.
Bread and pumpernickle bread. Premium Bakers Inc. 319,022; Nov. 13; Serial No. 349,098; published Sept. 4, 1934.
Breads. M. Cetta. 318,996; Nov. 13; Serial No. 354,504; published Sept. 4, 1934.
Canned fish, ham, poultry, and beef. William Underwood Company. 100,229; renewed Oct. 13, 1934.
Canned fruits and vegetables. Clover Farm Stores Corporation. 319,013; Nov. 13; Serial No. 354,114; published Sept. 4, 1934.
Canned fruits and vegetables. Foster and Wood Canning Company. 319,083; Nov. 13; Serial No. 348,874; published Sept. 4, 1934.
Canned vegetables. Illinois Canning Company. 319,106; Nov. 13; Serial No. 344,279; published Sept. 4, 1934.
Coffee. Cheek-Neal Coffee Co. 101,506–7; renewed Dec. 22, 1934.
Feed, Dairy. Ralston Purina Company. 102,843; renewed Feb. 23, 1935.
Feed, dairy feed, etc., Horse and mule. Ralston Purina Company. 102,844; renewed Feb. 23, 1935.
Flour, Self-rising. Phoenix Flour Mill. 100,609; renewed Oct. 20, 1934.
Flour, Wheat. John P. Dousman Milling Company. 99,859; renewed Sept. 22, 1934.
Flour, Wheat-. Louisville Milling Company. 102,570; renewed Feb. 16, 1935.
Flour, wheat-. Washburn-Crosby Co. 102,475; renewed Feb. 9, 1935.
Fruits, Fresh citrus. Escondido Cooperative Citrus Association. 319,039; Nov. 13; Serial No. 348,482; published Sept. 4, 1934.
Grapes. G. L. Bare. 319,085; Nov. 13; Serial No. 291,431; published July 15, 1930.
Gum, Chewing. Wm. Wrigley Jr. Company. 100,058; renewed Sept. 29, 1934.
Gum, Chewing. Wm. Wrigley Jr. Company. 100,061; renewed Sept. 29, 1934.
Gum, Chewing. Wm. Wrigley Jr. Company. 100,064–7; renewed Sept. 29, 1934.
Gum, Chewing. Wm. Wrigley Jr. Company. 100,070; renewed Sept. 29, 1934.
Ice cream powder. M. Crump. 319,044; Nov. 13; Serial No. 353,292; published Sept. 4, 1934.
Lettuce, Fresh. W. B. Grainger Packing Co. 319,113; Nov. 13; Serial No. 353,801; published Sept. 4, 1934.
Macaroni. Fontana Food Products Co. 319,043; Nov. 13; Serial No. 353,268; published Sept. 4, 1934.
Mustard. Plochman & Harrison. 319,069; Nov. 13; Serial No. 352,449; published Sept. 4, 1934.
Mustard. Plochman & Harrison. 319,099; Nov. 13; Serial No. 346,926; published Sept. 4, 1934.
Olive oil. Compania Exportadora Espanola. 319,100; Nov. 13; Serial No. 346,851; published Sept. 4, 1934.
Pickles. E. W. Maffitt. 319,038; Nov. 13; Serial No. 352,089; published Sept. 4, 1934.
Pickles, piccalilli, sweet pickled watermelon, etc. Foods, Inc. 319,021; Nov. 13; Serial No. 340,440; published Nov. 14, 1933.
Pies. Frisbie Pie Co. 319,117; Nov. 13; Serial No. 353,755; published Sept. 4, 1934.
Popcorn, Cheese coated. Kraft-Phenix Cheese Corporation. 319,046; Nov. 13; Serial No. 354,045; published Sept. 4, 1934.
Sardines. Angus Watson & Co. 43,871; renewed Dec. 20, 1934.
Sauer-kraut. Libby, McNeill & Libby. 101,583; renewed Dec. 29, 1934.
Tea and blended coffee. W. F. McLaughlin & Company. 100,004; renewed Sept. 29, 1934.
Vegetables, Fresh. Sears Brothers & Company. 319,051; Nov. 13; Serial No. 353,184; published Sept. 4, 1934.
Vitamine D carrying menstruums for ingredients of breads, cakes, etc. Nopco Laboratories, Inc. 319,091; Nov. 13; Serial No. 337,085; published Sept. 4, 1934.

CLASS 47

Champagne and other sparkling wines. G. H. Mumm & Co. 97,345–6; renewed June 2, 1934.
Vermouth. Etablissements Abel Bresson, Societe Anonyme. 319,076; Nov. 13; Serial No. 352,853; published Sept. 4, 1934.
Vermouth. Etablissements Abel Bresson, Societe Anonyme. 319,081; Nov. 13; Serial No. 352,968; published Sept. 4, 1934.
Vermouth. Etablissements Abel Bresson, Societe Anonyme. 319,082; Nov. 13; Serial No. 352,971; published Sept. 4, 1934.
Vermouth. Griffier Wine Co. 319,028–9; Nov. 13; Serial Nos. 351,353–4; published Sept. 4, 1934.
Wine. Asturr Trading Company, Inc. 319,110; Nov. 13; Serial No. 353,876; published Sept. 4, 1934.
Wine. Cresta Blanca Wine Company. 319,132; Nov. 13; Serial No. 353,322; published Sept. 4, 1934.
Wine, Marsala. Florio & C. Societa Anonima Vinicola Italiana. 103,159; renewed Mar. 16, 1935.
Wine, Moselle. J. Wile, Sons & Co., Inc. 319,036; Nov. 13; Serial No. 352,054; published Sept. 4, 1934.
Wines. Maison F. Chauvenet, S. A. 319,095; Nov. 13; Serial No. 347,621; published Sept. 4, 1934.
Wines. Maison F. Chauvenet, S. A. 319,096; Nov. 13; Serial No. 347,619; published Sept. 4, 1934.
Wines. Maison F. Chauvenet, S. A. 319,097–8; Nov. 13; Serial Nos. 347,616–17; published Sept. 4, 1934.
Wines. L. Gandolfi & Co. Inc. 319,040; Nov. 13; Serial No. 354,608; published Sept. 4, 1934.
Wines. Rawlings & Sons (London) Limited. 319,063; Nov. 13; Serial No. 352,103; published Sept. 4, 1934.
Wines. Société Anonyme Immobiliere & Agricole de l'Harrach. 319,104; Nov. 13; Serial No. 345,477; published Sept. 4, 1934.
Wines, Sparkling. Alliance Vinicole de Bourgogne, Société Anonyme. 319,055; Nov. 13; Serial No. 353,103; published Sept. 4, 1934.
Wines, Sparkling. H. Schweickert. 319,094; Nov. 13; Serial No. 347,880; published Sept. 4, 1934.
Wines, Still. Alliance Vinicole de Bourgogne, Société Anonyme. 319,060–1; Nov. 13; Serial Nos. 353,003–4; published Sept. 4, 1934.
Wines, Still. Alliance Vinicole de Bourgogne, Société Anonyme. 319,078; Nov. 13; Serial No. 352,886; published Sept. 4, 1934.

CLASS 48

Beer. Bay City Brewing Company. 319,059; Nov. 13; Serial No. 353,008; published Sept. 4, 1934.
Beer and ale. Southeastern Brewing Co. 319,116; Nov. 13; Serial No. 353,773; published Sept. 4, 1934.

CLASS 49

Whiskey. Lionel Distilled Products, Inc. 319,041; Nov. 13; Serial No. 354,620; published Sept. 4, 1934.
Whiskey. Lionel Distilled Products, Inc. 319,048; Nov. 13; Serial No. 354,624; published Sept. 4, 1934.
Whisky. Geo. Benz & Sons. 43,397; renewed Sept. 20, 1934.

CLASS 50

Awnings. Bronx Window Shade & Awning Co. 99,420; renewed Sept. 1, 1934.
Chair, stepladder, and ironing board, Combination. King Specialty Manufacturing Company. 319,054; Nov. 13; Serial No. 353,136; published Sept. 4, 1934.
Drinking straws. Stone Straw Corporation. 319,070; Nov. 13; Serial No. 352,507; published Sept. 4, 1934.
Printing blocks, Metal face wood. P. Zimmer. 319,126; Nov. 13; Serial No. 353,461; published Sept. 11, 1934.
Rubberized, water-proofed, and treated fabrics. Reading Rubber Manufacturing Company. 319,089; Nov. 13; Serial No. 354,357; published Sept. 4, 1934.

LIST OF LABELS

Ambrosia Pure Milk Chocolate. For Milk Chocolate. Ambrosia Chocolate Co. 44,623; Nov. 13.
Beech-Nut Spice Drops. For Spice Drops. Beech-Nut Packing Company. 44,625; Nov. 13.
Bobs'. For Candy and Peanuts. Bobs Candy and Pecan Company. 44,627; Nov. 13.
Century's Rheinlander Beer. For Beer. Century Brewing Association. 44,629; Nov. 13.

Cock o' The Walk. For Gasoline. Hancock Oil Company of California. 44,634; Nov. 13.
D. D. D. Prescription. For Product Intended to Relieve Itching and Other Irritations of the Skin and Scalp. D. D. D. Corporation. 44,630; Nov. 13.
Delaware. For Straight Whiskey. Paragon, Incorporated. 44,642; Nov. 13.
Door County Brand. For Pitted Sour Red Cherries. Fruit Growers Cooperative. 44,632; Nov. 13.
Dr. Miller's Glen-Co-Line. For Preparation for Colds, Bronchitis, Pneumonia, and Sinus Trouble. V. Miller. 44,637; Nov. 13.
Flower Garden. For Blackberry Preserves. Sambo Dairy Products, Inc. 44,652; Nov. 13.
Four Star Brand. For Fresh Apples. Driver & Woodrow. 44,631; Nov. 13.
Gold Medal New Process Oats with Tumbler. For Oats. Northern Illinois Cereal Company. 44,639; Nov. 13.
Hetty Harper Ward's. For Cake. Ward Baking Company. 44,650; Nov. 13.
Hunters Lodge. For Whiskey. Paragon, Incorporated. 44,643; Nov. 13.
Main Street Merchandise Store. For Merchandise Cartons and Consists of All the Printed Matter on the Face of the Carton Except the Panels Containing the Removable Tabs. General Concession Corporation. 44,633; Nov. 13.
One-Spot Flea Killer. For Powder to Kill Fleas and Lice on Animals. Kennel Gardens, Inc. 44,635; Nov. 13.
Pari-Smart. For Shoes. Bird & Son, Inc. 44,626; Nov. 13.
Puritan-Tea. For an Herb Tea. J. H. Lauder. 44,636; Nov. 13.
Royal Arms. For Tissue, a Type of Toilet Paper. Northern Paper Mills. 44,640; Nov. 13.
'Salada' Brown Label. For Black Tea. Salada Tea Co. Inc. 44,648–9; Nov. 13.
'Salada' Brown Label. For Mixed Tea. Salada Tea Co. Inc. 44,650–1; Nov. 13.
'Salada' Red Label. For Black Tea. Salada Tea Co. Inc. 44,646–7; Nov. 13.
Sea Hawk. For Bourbon Whiskey. Paragon, Incorporated. 44,641; Nov. 13.
Sherbrook. For Straight Rye Whiskey. Frank L. Wight Distilling Company. 44,657; Nov. 13.
Soda-Flake Crackers. For Crackers. Perfection Biscuit Company. 44,645; Nov. 13.
Squires. For Hair Tonic. H. Squires. 44,653; Nov. 13.
Sweet Georgia Brown Hair Dressing Pomade. For Hair Dressing Pomade. M. G. Neumann. 44,638; Nov. 13.
Taylor's Fine Old Liqueur Scotch Whisky. For Scotch Whisky. Taylor & Ferguson Ltd. 44,654; Nov. 13.
2 in 1 Laxative Compound for Intestinal Putrefaction. For Laxative Compound Tablets. Anderson Home Infirmary, Inc. 44,624; Nov. 13.
Union Made Shoulder Pad. For Shoulder Pads. Amalgamated Clothing Workers of America. 44,622; Nov. 13.
Valley Forge. For Bourbon Whiskey. Paragon, Incorporated. 44,644; Nov. 13.
Whip-Prune. For Strained Prune Pulp. California Prune & Apricot Growers Association. 44,628; Nov. 13.
"X" Radiator Flush. For a Scale-Removing and Flushing Compound for Automobile Radiators. E. R. Tolfree. 44,655; Nov. 13.
Yough Beer. For Beer. Yough Brewing Company. 44,658; Nov. 13.

LIST OF PRINTS

Attack! Resist! For Rugs. Bigelow-Sanford Carpet Co. Inc. 14,915; Nov. 13.
Beech-Nut Spice Drops. For Spice Drops. Beech-Nut Packing Company. 14,914; Nov. 13.
First Aid to Burnt Pasture! (Poster). For Dairy Feed. Ralston Purina Company. 14,919; Nov. 13.
Hot Weather Prescription! (Poster). For Dairy Feed. Ralston Purina Company. 14,918; Nov. 13.
Is Your Child in for a Siege of Miserable Colds? For Wheat Breakfast Food. Cream of Wheat Corporation. 14,916; Nov. 13.
Seals the Contact. For Brake Lining Cement. A. R. Friberg. 14,917; Nov. 13.
Thoroughly Delicious. For Beer. Schreiber Brewing Company. 14,920; Nov. 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A. B. See Elevator Company, Inc. (See See, Alva B., assignor.)
Abernethy, David. Omaha, Nebr. Method and apparatus for rapidly drying gelatinous material. 1,980,898; Nov. 13.
Abramson, Abraham, New York, N. Y., assignor to Raylite Trading Company, Inc. Portable electric lighting outfit. 1,980,948; Nov. 13.
Ackerson, Alfred H., Glen Ellyn, assignor to Utili-Tong, Inc., Chicago, Ill. Ice cube tongs. 1,980,405; Nov. 13.
Acree, Solomon F., Washington, D. C. Capillary colloid mill. 1,980,589; Nov. 13.
Adaire, William R., Washington, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y. Lace. Des. 93,800; Nov. 13.
Adam, Frank, Electric Co. (See Westerfelhaus, Raymond, assignor.)
Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method and apparatus for forming material. 1,980,308; Nov. 13.
Addressograph Company. (See Hartley, Emmett C., assignor.)
Addy, Roland, and S. Gill, Barnsley, and C. W. Tozer, Westminster, assignors to The Carlton Main Colliery Company Limited, Barnsley, England. Retort for use in the low temperature distillation of carbonaceous material. 1,980,245; Nov. 13.
Adkins, Albert F., Long Beach, Calif. Expanding brake. 1,980,947; Nov. 13.
Agnew, Arthur M., Maplewood, N. J., assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Coated fabric and making same. 1,980,309; Nov. 13.
Ahlschlager, Walter W., Inc., et al. (See Clark, Malcolm S., assignor.)
Air-Way Electric Appliance Corporation. (See Reibel, Frederick, jr., assignor.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Aktiebolaget Spontan. (See Ljunström, Fredrik, assignor.)
Aktiengesellschaft Brown Boveri et Cie. (See Andorff, F., and Speidel, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Brunner, Gustav, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Buchhold, Theodor, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Jonas, Julius, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Widmer, Stefan, assignor.)
Aktiengesellschaft der Oesterreichischen Fezfabriken. (See Bong, Adolf, assignor.)
Almeida, Edmundo, London, assignor of one-half to Arthur Du Cros, Sussex, England. Secondary cell. 1,980,606; Nov. 13.
Aluminum Company of America. (See Noyes, Maxwell E., assignor.)
American Brass Company, The. (See Coe, James R., assignor.)
American Can Company. (See Malmquist, Adolph K., assignor.)
American Car and Foundry Company. (See Folmsbee, Clyde H., assignor.)
American Car and Foundry Motors Company. (See Dayes, Frederick E., assignor.)
American Car and Foundry Motors Company. (See Doyle, Willis G., assignor.)
American Chemical Paint Company. (See Gravell, James H., assignor.)
American Cyanamid Company. (See Moffett, Ernest C., assignor.)
American Fork & Hoe Company, The. (See Bergmann, William H., assignor.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Laundry Machinery Company. (See Kahn, Leo M., assignor.)
American Machine & Metals, Inc. (See Gross, Carl G., assignor.)
American Sales Book Company, Limited. (See Caton, William D., assignor.)
American Steel and Wire Company of New Jersey, The. (See Dandliker, Rudolph, assignor.)
American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
American Telephone and Telegraph Company. (See Thomas, Adolph A., assignor.)
American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
Ames, George E., assignor of one-fourth to W. E. Joost, one-fourth to L. A. Rice, and one-fourth to W. J. Vaughan, Oakland, Calif. Thermostatically-controlled fluid mixing unit. 1,980,310; Nov. 13.
Amy, Aceves & King, Inc. (See Amy, Ernest V., assignor.)
Amy, Ernest V., assignor to Amy, Aceves & King, Inc., New York, N. Y. Dispersing particles suspended in air. 1,980,171; Nov. 13.
Andersen, Hans C., Mahtowa, Minn. Self-sealing paste tube. 1,980,607; Nov. 13.
Anderson, Carl R., assignor to The Griswold Manufacturing Company, Erie, Pa. Electric heater. 1,980,654; Nov. 13.
Anderson, G. Albert, Attleboro, Mass., assignor to L. R. Smith, receiver of The Apco Mossberg Corporation. Cop or quill. 1,980,311; Nov. 13.
Anderson, John A. (See Voorhees, V., and Anderson.)
Andis, Mathew, Racine, Wis. Power-driven vibrator. 1,980,312; Nov. 13.
Andorff, Fritz, Viernheim, and W. Speidel, Ludwigshafen-on-the-Rhine, Germany, assignors to Aktiengesellschaft Brown Boverie et Cie, Baden, Switzerland. Electric switchgear. 1,980,739; Nov. 13.
Andrews, Edward F., Chicago, Ill. Radio receiving set. 1,980,842; Nov. 13.
Andrews, Frederic E. (See Insall, A. T. C., and Andrews.)
Andrews, Oliver B., Chattanooga, Tenn. Bread band. 1,980,843; Nov. 13.
Angeja, Jose M., Oakland, Calif. Hose connection. 1,980,466; Nov. 13.
Apco Mossberg Corporation, The; L. R. Smith, receiver. (See Anderson, G. Albert, assignor.)
Applebaum, Samuel B., New Rochelle, assignor to The Permutit Company, New York, N. Y. Water-softening apparatus. 1,980,161; Nov. 13.
Arden Box Toe Company. (See Lovell, Stanley P., assignor.)
Armstrong Nurseries, Inc. (See Thompson, Jennie B., assignor.)
Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Möller, W., and Lorenz.)
Atlantic Refining Company, The. (See Perkins, Ivan M., assignor.)
Atlas Heating and Ventilating Co., Ltd. (See Tuck, George A., assignor.)
Atwood Machine Company, The. (See Rowe, Irving R., assignor.)
Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C. Solidification of organic isocolloids containing unsaturated high molecular acids. 1,980,366; Nov. 13.
Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C. Modification of the physical properties of resins. 1,980,367; Nov. 13.
Austin, Gene, Minden, La. Airplane sky sled. 1,980,246; Nov. 13.
Autogiro Company of America. (See de la Cierva, Juan, assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Avery, William L., Bishop's Stortford, England, assignor to United States Rubber Company. Apparatus and process for the manufacture of pneumatic tires. 1,980,567; Nov. 13.
Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., trustee. Window post and guide construction. 1,980,313; Nov. 13.
B. & B. Shoe Company. (See Golden, Louis J., assignor.)
Bachle, Carl F., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,980,778; Nov. 13.
Back, Robert, assignor to The Wahl Company, Chicago, Ill. Desk pen. Des. 93,807; Nov. 13.
Backes, John J., Washington, Ind. Poultry feeder or watering trough. 1,980,247; Nov. 13.
Bahls, Emil T., et al. (See Hoover, Joseph C., assignor.)
Bakelite Building Products Co. Inc. (See Harshberger, Norman P., assignor.)
Bakelite Corporation. (See Delaney, Myron E., assignor.)
Ballstreri, Mildred D., Pittsburgh, Pa. Hand grip. 1,980,655; Nov. 13.
Balkema, Bert B., et al. (See Clark, Malcolm S., assignor.)
Ball, Horace J., Kimberley, assignor to William Hollins and Company Limited, Nottingham, England. Number-indicating device. 1,980,844; Nov. 13.
Ball, Irving, Elizabeth, N. J. Remote control device. 1,980,172; Nov. 13.
Baltimore Enamel & Novelty Co., The. (See Little, H. B., and Miller, assignors.)
Baltimore Enamel & Novelty Co., The. (See Miller, K. C., and Little, assignors.)

Balton, James, assignor, of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to N. Shapiro, and one-fourth to S. Shapiro, Chelsea, Mass. Mold for the manufacture of three-pocket ice cream cones. 1,980,740; Nov. 13.

Bancroft, Joseph & Sons Co. (See Gibbons, John T., assignor.)

Bannister, William J., and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Purification of aliphatic monocarboxylic acid esters. 1,980,711; Nov. 13.

Bark, William, and O. F. Olson, Gary, Ind., assignors to National Tube Company. Tube mill layout. 1,980,368; Nov. 13.

Barnett, David A., Hamden, Conn. Transmission system. 1,980,656; Nov. 13.

Barreres, Domingo, assignor of one-half to A. Cardona, New Britain, Conn. Automobile wheel. 1,980,314; Nov. 13.

Barrett, Laurence E., and C. Johnson, Montreal, Quebec, Canada. Hydraulic coal cleaner and grader. 1,980,712; Nov. 13.

Barrows, Donald S., Rochester, N. Y. Organ valve structure. 1,980,964; Nov. 13.

Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,980,965; Nov. 13.

Bartlett Hayward Company, The. (See Pfaff, George C., assignor.)

Barton, Frank, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel seat fitting machine. 1,980,369; Nov. 13.

Bates, Harrison, Denver Colo., assignor to Bendix Research Corporation, East Orange, N. J. Automatic variable pitch propeller. 1,980,248; Nov. 13.

Bates, Harrison, Greenville, S. C., assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,980,249; Nov. 13.

Batterman, Benjamin, New York, N. Y. Shoe. Des. 93,808; Nov. 13.

Bauer, William J., Yonkers, N. Y. Apparatus for manufacturing tubular members. 1,980,173; Nov. 13.

Bauersfeld, Walther, assignor to firm of Carl Zeiss, Jena, Germany. Apparatus for plotting maps from photographs. 1,980,657; Nov. 13.

Baumbach, Emil A., Chicago, Ill. Leader pin. 1,980,174; Nov. 13.

Baumgärtel, Carl. (See Grunzig, W., and Baumgärtel.)

Baxter, William, Westmount, assignor to Crane Limited, Montreal, Quebec, Canada. Basin waste plug and operating mechanism. 1,980,250; Nov. 13.

Bayer, Otto, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Pure 1-amino-2,3-dimethylanthraquinone and making same. 1,980,162; Nov. 13.

Beattie Manufacturing Company, The. (See Beattie, Walter J., assignor.)

Beattie, Walter J., assignor to The Beattie Manufacturing Company, Cohoes, N. Y. Collar pressing machine. 1,980,845; Nov. 13.

Beauchamp, Wilfred A. (See Eklind, C. E., and Beauchamp.)

Beaumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,980,175; Nov. 13.

Bechtold, Reuben E., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Liquid displacement meter. 1,980,949; Nov. 13.

Becker, Frederick J., Cincinnati, Ohio. Artificial taper. 1,980,251; Nov. 13.

Becker, Joseph A., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unidirectional current passing device. 1,980,176; Nov. 13.

Beckwith, Walter M., Pittsfield, Mass. Windshield cleaner. 1,980,568; Nov. 13.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Alternating current generator. 1,980,899; Nov. 13.

Bedford, Leslie H., and D. G. Coveney, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Cathode ray oscillograph tube. 1,980,177; Nov. 13.

Beech-Nut Packing Company. (See McBean, Douglas M., assignor.)

Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker. 1,980,467; Nov. 13.

Belcher, Harold H., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Machine for drying textile materials. 1,980,163; Nov. 13.

Belden, Daniel S., and W. Kelley, assignors to Filtrol Company of California, Los Angeles, Calif. Preparing absorbent low in salts and free from acid. 1,980,569; Nov. 13.

Bell Telephone Laboratories, Incorporated. (See Beaumont, William M., assignor.)

Bell Telephone Laboratories Incorporated. (See Becker, Joseph A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Crawford, Allen I., assignor.)

Bell Telephone Laboratories, Incorporated. (See Glass, Myron S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, Alvin N., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)

Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wolpert, Frederick S., assignor.)

Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 1,980,900; Nov. 13.

Bemis Industries, Incorporated. (See Bemis, Albert F., assignor.)

Bendix Brake Company. (See Parker, H. F., and House, assignors.)

Bendix Research Corporation. (See Bates, Harrison, assignor.)

Bendix Research Corporation. (See Mock, F. C., and Havill, assignors.)

Benjamin, George R., Jersey City, and J. W. Long, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Projector for type bar printers. 1,980,160; Nov. 13.

Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable terminal. 1,980,370; Nov. 13.

Benny, Louis, Buffalo, assignor to H. C. Holly, Lockport, N. Y. Battery cable terminal. 1,980,779; Nov. 13.

Benson, Melvin B., Corporation. (See Benson, Melvin B., assignor.)

Benson, Melvin B., New York, N. Y., assignor, by mesne assignments, to Melvin B. Benson Corporation and M. B. Benson. Radio receiving system. 1,980,713; Nov. 13.

Bentley, William H., Wallasey, and B. Catlow, Oswaldtwistle, assignors to William Blythe & Company Limited, Church, England. Resolution of mixtures of phenols into their components. 1,980,901; Nov. 13.

Berberich, Henry G. (See Wiezel, R. F., and Berberich.)

Berglund, Nils, assignor to United American Bosch Corporation, Springfield, Mass. Machine tool attachment. 1,980,178; Nov. 13.

Bergmann, William H., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rake. 1,980,252; Nov. 13.

Bergstein, Samuel, Cincinnati, Ohio. Sealing packages. 1,980,179; Nov. 13.

Bergstein, Samuel, Cincinnati, Ohio. Hermetically sealed carton and sealing the same. 1,980,180; Nov. 13.

Bernhardt, Rudolph, Chicago, Ill. Dispensing device for liquids. Des. 93,810; Nov. 13.

Bessom, Earl A., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,980,371; Nov. 13.

Bevacqua, Aldo, Milan, Italy. Piston and cylinder assembly. 1,980,741; Nov. 13.

Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. 1,980,570; Nov. 13.

Bigler, Bernhard, deceased, Phillipsburg, N. J.; E. H. Bigler, executrix. Pipe casting apparatus. 1,980,742; Nov. 13.

Bigler, Esther H., executrix. (See Bigler, Bernhard, assignor.)

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Chassis lubrication. 1,980,780; Nov. 13.

Billig, Fred W. (See Scofield, T. J., Gregoroff, Billig, and Sparks.)

Billings, Robert E., City Island, assignor to Richfield Oil Corporation of New York, New York County, N. Y. Automobile. Des. 93,811; Nov. 13.

Bilt-Rite Baby Carriage Co. (See Drexler, Samuel.)

Bixby, Walter. (See Hathaway, E. F., and Bixby.)

Blair, John T. and J. E., Tulsa, Okla. Concrete form. 1,980,372; Nov. 13.

Blair, Joseph E. (See Blair, John T. and J. E.)

Blake, William G., Savannah, Ga. Storage battery receptacle. 1,980,902; Nov. 13.

Blake, William G., Savannah, Ga. Storage battery element. 1,980,903; Nov. 13.

Blanding, Joseph E., New London, assignor of one-half to P. B. McNamara, Groton, Conn. Oil fuel feed device. 1,980,743; Nov. 13.

Blettner, George H., assignor to Renette Company, Chicago, Ill. Piston. 1,980,658; Nov. 13.

Blicke, Frederick F., assignor to Regents of the University of Michigan, Ann Arbor, Mich. Substituted alkylphenols and producing the same. 1,980,966; Nov. 13.

Blue Moon Cheese Products, Inc. (See Spear, Lambert E., assignor.)

Blythe, William, & Company Limited. (See Bentley, W. H., and Catlow, assignors.)

Bodden, Karl, Bristol, Pa., assignor to Keystone Aircraft Corporation. Automatic riveter. 1,980,181; Nov. 13.

Boehringer, C. H., Sohn. (See Scheuing, G., and Winterhalder, assignors.)

Bohnenblust, Ben, Riley, Kans. Circulator. 1,980,315; Nov. 13.

Boldt, Johannes, Kiel, Germany. Note-block. 1,980,659; Nov. 13.

Bong, Adolf, Gloggnitz, assignor to the firm Aktiengesellschaft der Oesterreichischen Fezfabrieken, Vienna, Austria. Felt for paper machines. 1,980,608; Nov. 13.

Bonn, Charles W., St. Clair, Mich. Construction of log cabins. 1,980,660; Nov. 13.

Borchert, Fred L. (See Borchert, William and F. L.)

Borchert, Fred L. and W., Rockford, Ill. Emblem. 1,980,744; Nov. 13.

Borchert, William. (See Borchert, Fred L. and W.)

Borchert, William, Rockford, Ill. Device for connection to terminal elements. 1,980,746; Nov. 13.

Borchert, William and F. L., assignors to The Tagit Company, Rockford, Ill. Tag structure. 1,980,745; Nov. 13.

Boston Wire Stitcher Company. (See Cavanagh, John F., assignor.)

Botz, Otto C., Jefferson City, Mo. Drawn and dressed poultry or fowl. 1,980,904; Nov. 13.

Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Adjustable nose iron for weighing scales. 1,980,609; Nov. 13.

Bowersox, Joseph W., Berwyn, assignor, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Cleaning cotton sweepings. 1,980,747; Nov. 13.

Bowman, Samuel B., Zanesville, Ohio, and F. C. Flint, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Method and apparatus for manufacturing glassware. 1,980,373; Nov. 13.

Boyd, Arnold R. (See Tussaud, Gabriel P., assignor.)

Boyle Manufacturing Company, Inc., The. (See Boyle, W. J., and Rosener, assignors.)

Boyle, Willis J., jr., Los Angeles, and L. S. Rosener, San Francisco, assignors to The Boyle Manufacturing Company, Inc., Los Angeles, Calif. Drum welding machine. 1,980,164; Nov. 13.

Brach, Leon S., East Orange, N. J. Obtaining ice-blocks from an automatic type refrigerator. 1,980,571; Nov. 13.

Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Liquid fuel cook stove. Des. 93,812; Nov. 13.

Bradka Holding Corporation. (See Brady, Jessica M., assignor.)

Bradley, Albert F., assignor to Northwestern Barb Wire Company, Sterling, Ill. Bale tie. 1,980,661; Nov. 13.

Bradley, Merrill, Detroit, Mich. Universal joint. 1,980,846; Nov. 13.

Bradshaw & Company. (See Bradshaw, Grant D., assignor.)

Bradshaw, Grant D., Beaver, assignor to Bradshaw & Company, Pittsburgh, Pa. Valve. 1,970,374; Nov. 13.

Bradshaw, Leland D., March Field, Calif. Bomb releasing device. 1,980,375; Nov. 13.

Brady, Jessica M., Yorktown, assignor to Bradka Holding Corporation, Rye, N. Y. Traveling bag. 1,980,714; Nov. 13.

Brandtjen ans Kluge, Inc. (See Kluge, Abel and E., assignors.)

Brauer, Erich, Kelsterbach, near Frankfort-on-the-Main, Germany, assignor to North American Rayon Corporation, New York, N. Y. Process and apparatus for the manufacture of artificial filaments. 1,980,468; Nov. 13.

Breder, Frederick W. (See Clark, G. H., and Yates, assignors.)

Breder, Frederick W., Houston, Tex. Reel mount for fishing rods. 1,980,316; Nov. 13.

Bréguet, Louis, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Device for regulating the pitch of variable pitch propellers during flight. 1,980,847; Nov. 13.

Brenzinger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Rayon spinning machine. 1,980,610; Nov. 13.

Bretland, Alfred C., assignor of one-half to B. Broomhall, Troy, Ohio. Metal tiling. 1,980,906; Nov. 13.

Breton, Jean, Bellevue, France. Device for controlling the action of a fluid. 1,980,469; Nov. 13.

Brewster, Herbert M., Chicago, Ill. Spark plug porcelain. 1,980,182; Nov. 13.

Brick, Sirenus G. (See Wilson, A., and Brick.)

Briggs, Arthur M. (See Harman, G. J., and Briggs.)

Briggs Manufacturing Company. (See Ross, F. N., and Johnson, assignors.)

Brisson, Louis C., Boulogne-sur-Seine, assignor to Société Anonyme: Société des Freins Hydrauliques S. de Lavaud, Paris, France. Brake. 1,980,611; Nov. 13.

British Insulated Cables Limited. (See Nisbett, George H., assignor.)

Brock, Clarence A. (See Gerhardt, W. F., and Brock.)

Brockway, Carl P., Paterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. Engine starting mechanism. 1,980,662; Nov. 13.

Brodersen, Harry T., Pittsburg, Calif., assignor to Johns-Manville Corporation, New York, N. Y. Coloring sheet materials. 1,980,905; Nov. 13.

Broomhall, Baird. (See Bretland, Alfred C., assignor.)

Brosilow, Louis, and L. Severus, Chicago, Ill. Lamp reflector. 1,980,183; Nov. 13.

Brosler, Edward, Pittsburgh, Pa. Receptacle. 1,980,715; Nov. 13.

Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for surface treating shoe parts. 1,980,376; Nov. 13.

Brower, John M., Grand Rapids, Mich. Lounge. Des. 93,813; Nov. 13.

Brown, Arthur B., and A. W. Neeley, Whiting, Ind., assignors to Standard Oil Company (Indiana), Chicago, Ill. Refining airplane engine oil. 1,980,377; Nov. 13.

Brown Company. (See Schur, Milton O., assignor.)

Brown, Glendon C. (See Stansbury, C., and Brown.)

Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. Des. 93,814; Nov. 13.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Cultivator. 1,980,470; Nov. 13.

Bruninga, John H., trustee. (See Ford, John W.)

Brunner, Gustav, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Motor control system. 1,980,950; Nov. 13.

Bryan, Cassius M., West Springfield, Mass. Paper making apparatus. 1,980,253; Nov. 13.

Buchhold, Theodor, Mannheim-Neuostheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Motor control system. 1,980,951; Nov. 13.

Budd Wheel Company. (See Hanson, Arthur F., assignor.)

Burgess, Louis, New York, N. Y. Making beryllium and light alloys thereof. 1,980,378; Nov. 13.

Burk, Robert E., and H. P. Lankelma, assignors to The Standard Oil Company, Cleveland, Ohio. Manufacture of motor fuel. 1,980,380; Nov. 13.

Burleigh, John Wesley, Pasadena, Calif. Power transmission system. 1,980,165; Nov. 13.

Burnett, Charles S., San Francisco, Calif. Valve operating mechanism. 1,980,379; Nov. 13.

Burnham Boiler Corporation. (See Ross, John D., assignor.)

Burnham Boiler Corporation. (See Walker, Alfred P., jr., assignor.)

Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, Boston, Mass. Circuit interrupter. 1,980,471; Nov. 13.

Burrows, Robert J., and A. O. Williams, assignors to Clark Tructractor Company, Battle Creek, Mich. Wheel. 1,980,663; Nov. 13.

Burrows, Robert J., and A. O. Williams, assignors to Clark Tructractor Company, Battle Creek, Mich. Rail car. 1,980,664; Nov. 13.

Burton-Dixie Corporation. (See Bowersox, Joseph W., assignor.)

Busiek, William A., St. Louis, Mo. Range. 1,980,781; Nov. 13.

Butcher, Ira A., Brooklyn, N. Y. Control recording apparatus. 1,980,184; Nov. 13.

Byrd, John F., College Park, Ga. Motor speed indicating and control device. 1,980,907; Nov. 13.

Byron Jackson Co. (See Hollander, Aladar, assignor.)

Cain, John R., Washington, D. C., assignor of one-half to F. A. Eustis, Milton, Mass. Making ductile electrolytic iron from sulphide ores. 1,980,381; Nov. 13.

California Spray-Chemical Corporation. (See Parker, William B., assignor.)

Calkins, William G., and A. J. Langhammer, assignors to Chrysler Corporation, Detroit, Mich. Pivot lubricating and bearing means. 1,980,166; Nov. 13.

Callahan, Henry F., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device and method of manufacturing. 1,980,572; Nov. 13.

Caller, Raymond E., Scarsdale, N. Y. Material handling system. 1,980,782; Nov. 13.

Cameron, Evan D., assignor of one-half to P. Cameron, Paris, Tex. Crate. 1,980,908; Nov. 13.

Cameron, Paul. (See Cameron, Evan D., assignor.)

Campsie, Harold G., Hollywood, Calif. Synthesis of vitamin D. 1,980,971; Nov. 13.

Cardona, Antonio. (See Barreres, Domingo, assignor.)

Carborundum Company, The. (See Power, Henry R., assignor.)

Carlton Main Colliery Company Limited, The. (See Addy, R., Gill, and Tozer, assignors.)

Cartwright, Forrest P., Grand Junction, Iowa. Combined windshield wiper and heater. 1,980,254; Nov. 13.

Cass, Rhea D., Lakewood, Ohio. X-ray table. 1,980,848; Nov. 13.

Catlow, Benjamin. (See Bentley, W. H., and Catlow.)

Caton, William D., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Compound record assembly. 1,980,318; Nov. 13.

Caton, William D., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding record. 1,980,319; Nov. 13.

Cavanagh, John F., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Staple extractor. 1,980,573; Nov. 13.

Cavicchi, Albert A., Arlington, Mass. Button. 1,980,909; Nov. 13.

Celanese Corporation of America. (See Dickie, W. A., and Hill, assignors.)

Celanese Corporation of America. (See Dreyfus, C., and Schneider.)

Celanese Corporation of America. (See Eichengrün, Arthur, assignor.)

Celanese Corporation of America. (See Kinsella, E., Pratt, and Kelsall, assignors.)

Celanese Corporation of America. (See Parkinson, Reginald H., assignor.)

Celanese Corporation of America. (See Taylor, William I., assignor.)

Celanese Corporation of America. (See Whitehead, William, assignor.)

Centrifix Corporation. (See Hawley, Charles G., assignor.)

Chadeloid Chemical Company. (See Agnew, Arthur M., assignor.)

Champion Hardware Company, The. (See van Doren, Harold L., assignor.)

Chapman, John A., et al. (See Sommer, William H., assignor.)

Chase, Philip H., Bala-Cynwyd, Pa. Cable. 1,980,320; Nov. 13.
Chemische Fabric R. Baumbeir Aktiengesellschaft. (See Kern, Rudolf, assignor.)
Chenicek, George W., Hammond, Ind., assignor to Standard Oil Company, Chicago Ill. Instrument exhibiting mechanism. 1,980,574; Nov. 13.
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Torsional vibration damper. 1,980,185; Nov. 13.
Christie, Walter, East Orange, assignor to C. R. Lord and C. Farris, Newark, N. J. Dual wheel. 1,980,849; Nov. 13.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,980,382; Nov. 13.
Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Cooking utensil. 1,980,383; Nov. 13.
Chrysler Corporation. (See Calkins, W. G., and Langhammer, assignors.)
Chrysler Corporation. (See Langhammer, Anthony J., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Ryan, Frank P., assignor.)
Cincinnati Grinders Incorporated. (See Harrison, Robert E. W., assignor.)
Clark, George H., and R. E. Yates Long Beach, Calif., assignors to F. W. Breder, Houston, Tex. Reel seat. 1,980,317; Nov. 13.
Clark, Malcolm S., Warren, Ohio, assignor, by mesne assignments, of one-fifth to Starrett Building Company, one-fifth to Harnischfeger Corporation, one-fifth to Walter W. Ahlschlager, Inc., nineteen one-hundredths to A. B. Fridaker, Chicago, Ill., one-tenth to B. B. Balkema, Detroit, Mich., and one one-hundredth to E. A. Rochling. Storage apparatus. 1,980,850; Nov. 13.
Clark Tractor Company. (See Burrows, R. J., and Williams, assignors.)
Clarke, Joseph W., assignor of one-half to H. K. Wagner, St. Louis, Mo. Ball. 1,980,472; Nov. 13.
Clauser, Herbert, Elkton, Md. Pyrotechnic device. 1,980,910; Nov. 13.
Cleveland Automatic Machine Company, The. (See Ruppple, Harry W., assignor.)
Cleveland Pneumatic Tool Company. (See De Mcoy, John, assignor.)
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Clopay Corporation. (See Johnson, Samuel J., assignor.)
Coble, Leonard H., Wichita, Kans. Electric glass auto tire sign. Des. 93,815; Nov. 13.
Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Tube reducing means. 1,980,186; Nov. 13.
Coffelder, Thomas N., Pittsburgh, Pa. Dispensing device for paste or the like. 1,980,473; Nov. 13.
Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Making wirebound boxes. 1,980,474; Nov. 13.
Colella and Leighton Shoe Company. (See Colella, Pasquale, assignor.)
Colella, Pasquale, Nahant, assignor to Colella and Leighton Shoe Company, Lynn, Mass. Shoe. Des. 93,816; Nov. 13.
Coleman, Clarence E. (See Evans, D. F., and Coleman.)
Coleman, Thomas A., Carbondale, Pa. Gas burner. 1,980,321; Nov. 13.
Collins & Aikman Corporation. (See Hewton, William R., assignor.)
Columbus McKinnon Chain Corporation, The. (See Stahl, Frank E., assignor.)
Colwell, Archie T., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making inlaid metal valves. 1,980,716; Nov. 13.
Commercial Solvents Corporation. (See Bannister, W. J., and Krchma, assignors.)
Commercial Solvents Corporation. (See Edmonds, William J., assignor.)
Comte, Frederick, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of meta cresol from meta cresol-para cresol mixtures. 1,980,384; Nov. 13.
Comte, Frederick, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of para cresol from a liquid phenolic mixture. 1,980,385; Nov. 13.
Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
Conlon Corporation. (See Janda, Rudolph W., assignor.)
Conover Company, The. (See Stoddard, Edgar S., assignor.)
Consolidated Ashcroft Hancock Company, Inc. (See Suhr, Frederic J., assignor.)
Continental Can Company, Inc. (See Prahl, Frederick A., assignor.)
Continental Can Company, Inc. (See Punte, William F., assignor.)
Continental-Diamond Fibre Company. (See Simons, Frank K., assignor.)
Continental Motors Corporation. (See Bachle, Carl F., assignor.)
Continental Scale Works. (See Weber, M. J., and Vanderhoff, assignors.)
Cool, Henry R., assignor to The Service Recorder Company, Cleveland, Ohio. Recorder. 1,980,786; Nov. 13.
Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,980,322; Nov. 13.
Cook, Howard A. and S. T., Southfield, Mass. Tennis racket and stringing same. 1,980,783; Nov. 13.
Cook, Stanley T. (See Cook, Howard A. and S. T.)
Corbman, Joseph. (See Corbman, Samuel and J.)
Corbman, Samuel and J., Philadelphia, Pa. Illuminated sign. 1,980,665; Nov. 13.
Cosgrove, Joseph R. (See Gelette, R. A., and Cosgrove.)
Coubrough, George B., Long Beach, Calif., assignor to The Lummus Company, New York, N. Y. Apparatus for distillation. 1,980,612; Nov. 13.
Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,784; Nov. 13.
Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,785; Nov. 13.
Countryman, Earnest A. (See Marquardt, C. H., Countryman, and Newton.)
Coupleux, Edouard E., and J. A. Givelet, Lille, France. Electric organ and electrically producing tones. 1,980,911; Nov. 13.
Coupleux, Edouard E., Tourcoing, and J. A. Givelet, Paris, France. Electric radio organ. 1,980,912; Nov. 13.
Coveney, Douglas G. (See Bedford, L. H., and Coveney.)
Covert, Victor L., Millvale, Pa. Tray receptacle holder. 1,980,575; Nov. 13.
Covich, Peter, Syracuse, N. Y. Tip-up for fishing through ice. 1,980,255; Nov. 13.
Crabtree, Ivory H., assignor of three-fourths to L. P. Crabtree, Toppenish, Wash. Changeover mechanism for motion picture machines. 1,980,167; Nov. 13.
Crabtree, Lottie P. (See Crabtree, Ivory H., assignor.)
Crane Co. (See Eckman, H. A., and Maack, assignors.)
Crane Limited. (See Baxter, William, assignor.)
Crawford, Allen I., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube socket. 1,980,187; Nov. 13.
Crawford, James C., Chambersburg, Pa. Box. 1,980,851; Nov. 13.
Crawford, James M. (See Prescott, F. H., and Crawford.)
Cribben & Sexton Company. (See Wilkinson, G. D., and Pellegrin, assignors.)
Crompton, George, jr., Flushing, N. Y. Loom and fabric. 1,980,666; Nov. 13.
Cronan, William J., Wethersfield, Conn. Steering wheel signal operating switch. 1,980,323; Nov. 13.
Crouch, Leslie E., et al. (See Musselwhite, Harry E., assignor.)
Cullen, William L., Dearborn, and S. Roth and C. Hoefler, Detroit, Mich. Printing machine. 1,980,188; Nov. 13.
Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding device for rock drills. 1,980,256; Nov. 13.
Curtiss Aerocar Company, Inc. (See Curtiss, Glen H., assignor.)
Curtiss, Glen H., deceased, Country Club Estates, by L. P. Curtiss, Miami Springs, Fla., executrix, assignor to Curtiss Aerocar Company, Inc. Motor vehicle. 1,980,613; Nov. 13.
Curtiss, Lena P., executrix. (See Curtiss, Glen H.)
Cushman, David W., et al. (See Musselwhite, Harry E., assignor.)
Cutler-Hammer, Inc. (See Evans, Clarence T., assignor.)
Cutler-Hammer, Inc. (See Stansbury, C., and Brown, assignors.)
Cyr, Howard M. (See Ginder, P. M., Mahler, and Cyr.)
Daley, Walter F., Pelham Manor, assignor to Robert Gair Company, Inc., New York, N. Y. Berry box. 1,980,667; Nov. 13.
Dandliker, Rudolph, Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey. Fence post extension arm. 1,980,852; Nov. 13.
Danziger, Harold I., Pittsfield, Mass., assignor, by mesne assignments, to Sprague Specialties Company, North Adams, Mass. Electrolytic condenser. Re19,370; Nov. 13.
Darby, George M., Westport, Conn., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Beet sugar making. 1,980,257; Nov. 13.
Davis, Arthur B., Springfield, Ohio. Mounting printing surfaces. 1,980,386; Nov. 13.
Davis, Charles S., Pittsburgh, Pa. Reenforcing bar for concrete. 1,980,668; Nov. 13.
Davis, Herbert, Ellwood City, Pa., assignor to National Tube Company. Work guide. 1,980,168; Nov. 13.
Davis, Richard F., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,980,189; Nov. 13.
Davis, Robert J. (See Haberle, S. D., and Davis.)
Davis, William H. H., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,980,475; Nov. 13.
Davis, William R., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse transmitter. 1,980,190; Nov. 13.
Davy, Lynden N., Butte, Mont. Electric fan. 1,980,614; Nov. 13.
Dayes, Frederick E., Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Vehicle structure. 1,980,787; Nov. 13.
Deere & Company. (See Brown, Theophilus, assignor.)
Defiance Manufacturing Corporation. (See Phinney, Edgar E., assignor.)

De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor construction. 1,980,169; Nov. 13.
Delaney, Myron E., East Orange, N. J., assignor to Bakelite Corporation, New York, N. Y. Moisture-resistant varnish. 1,980,258; Nov. 13.
De Laval Separator Company, The. (See Gilmore, Vincent J., assignor.)
Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Electric cable. 1,980,387; Nov. 13.
Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Oil filled cable with tubular oil channels. 1,980,388; Nov. 13.
De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)
De Mooy, John, assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Nail driving device. 1,980,967; Nov. 13.
Dennie, Estelle L., executrix. (See Dennie, Harry E., assignor.)
Dennie, Harry E., deceased, Chicago, Ill.; E. L. Dennie, executrix. Hose coupling. 1,980,389; Nov. 13.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Deutsche Celluloid-Fabrik. (See Weihe, A., and Thinius, assignors.)
Devon Corporation. (See Gerhardt, W. F., and Brock, assignors.)
De Walt, Kenneth C., Schenectady, N. Y., assignor to General Electric Company. Electron discharge system. 1,980,788; Nov. 13.
Di Bella, Charles, Caldwell, N. J. Chair. 1,980,748; Nov. 13.
Dickie, William A., and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of artificial materials. 1,980,191; Nov. 13.
Dictaphone Corporation. (See Roberts, Henry P., assignor.)
Dietze, George E., Pittsburgh, Pa. Container cap construction. 1,980,853; Nov. 13.
Dight, Sydney R., Haslar, Gosport, England, assignor, by mesne assignments, to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Automatic feed regulation of liquid into working containers. 1,980,749; Nov. 13.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control apparatus. 1,980,789; Nov. 13.
Dirkes, Robert F., Jamaica, N. Y., and R. Wentworth, Montclair, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Web-controlling mechanism for page projectors. 1,980,324; Nov. 13.
Dixon, Edna L., Baltimore, Md. Educational device. 1,980,750; Nov. 13.
Dodge, Stephen W., jr., Glen Ridge, N. J., assignor to Radio Corporation of America. Electron discharge device. 1,980,937; Nov. 13.
Doll, Jacob A., Mount Wolf, Pa. Individual wrapping of cigars. 1,980,913; Nov. 13.
Dorr Company, Inc., The. (See Darby, George M., assignor.)
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locking angle cock device. 1,980,325; Nov. 13.
Doyle, Willis G., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Operating mechanism for clutches. 1,980,790; Nov. 13.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector mechanism. 1,980,669; Nov. 13.
Drexler, Samuel, Brooklyn, assignor to M. S. Harrison and E. Specter, doing business under the firm name and style of Blit-Rite Baby Carriage Co., Brooklyn, N. Y. Baby carriage. Des. 93,817; Nov. 13.
Dreyer, Ulrich. (See Lange, W., and Dreyer.)
Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Apparatus for digesting cellulose material. 1,980,390; Nov. 13.
Drug Products Co. Inc., The. (See Torigian, John, assignor.)
Dryden Rubber Company. (See Reeves, George C., assignor.)
Dube, David D. (See Kellogg, W. D., Bradenburgh, and Dube.)
Du Cros, Arthur. (See Almeida, Edmundo, assignor.)
Duggan, Homer, Mimico, Ontario, and I. R. McIlaffie, Montreal West, Quebec, Canada, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Apparatus for separation of gases. 1,980,791; Nov. 13.
Dunlop, Greig, Saskatoon, Saskatchewan, Canada. Wheel alignment and turning mechanism for trailer cars. 1,980,751; Nov. 13.
Dunlop Rubber Company Limited. (See Madge, Evelyn W., assignor.)
Dunlop Rubber Company Limited. (See Patterson, Philip D., assignor.)
Dunlop Rubber Company, Limited. (See Twiss, D. F., and Murphy, assignors.)
Dunlop Tire and Rubber Corporation. (See Willshaw, Harry, assignor.)
Du Pont Cellophane Company, Inc. (See Evans, D. F., and Coleman, assignors.)
Du Pont Cellophane Company, Inc. (See Wright, Henry H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Taylor, Fred L., assignor.)
Durham, Hobart N. (See Sadtler, Helena S., assignor.)
Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Liquid fuse. 1,980,476; Nov. 13.
Eastwood Wire Corporation. (See Specht, Harry G., assignor.)
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Insulation process and machine. 1,980,170; Nov. 13.
Eberle, Louis C., Roselle Park, N. J. Scaffold bracket. 1,980,854; Nov. 13.
Ecker, Eugene C., Albuquerque, N. Mex. Directional control device. 1,980 259; Nov. 13.
Eckhold, Charles G., Overland, Mo. Propeller. 1,980,717; Nov. 13.
Eckman, Harold A., Oak Park, and H. W. Maack, assignors to Crane Co., Chicago, Ill. Inhibitor for nitriding processes. 1,980,670; Nov. 13.
Eclipse Aviation Corporation. (See Havill, C. H., and Mansson, assignors.)
Edmonds, William J., Baytown, Tex., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic apparatus. 1,980,718; Nov. 13.
Egger, Leopold, Bregenz, Austria, assignor to Volta G. m. b. H., Lindau, Germany. Heating element for electric cooking and heating apparatus. 1 980,719; Nov. 13.
Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)
Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Molding material and molded articles and making the same. 1,980,326; Nov. 13.
Eklind, Carl E., and W. A. Beauchamp, Chicago, Ill. Car door construction. 1,980,671; Nov. 13.
Elder, Frank R., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,980,855; Nov. 13.
Electric Auto-Lite Company, The. (See Eaton, Harrison H., assignor.)
Electric Controller & Manufacturing Company, The. (See Trofimov Lev A., assignor.)
Electric Household Utilities Corporation. (See Hume, J. T., and Hart, assignors.)
Electrolux Servel Corporation. (See Johnson, Oscar, assignor.)
Electrolux Servel Corporation. (See Sundblad, O. E. B., and Grahn, assignors.)
Electro Metallurgical Company. (See George, Harry S., assignor.)
Elektricitätsgesellschaft "Sanitas". (See Grundler, Herta, assignor.)
Elgin National Watch Company. (See Lumm, Harvey N., assignor.)
Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Valve. Des. 93,818; Nov. 13.
Emerson, Lilley W., Hooksett, N. H., assignor of one-half to H. A. Freedman, Brooklyn, N. Y. Folding chair. 1,980,615; Nov. 13.
Engel, Ernst, assignor to A. Teves, Frankfort-on-the-Main, Germany. Cylinder for hydraulic brakes. 1,980,616; Nov. 13.
Engel, Ernst, assignor to Alfred Teves Company, Frankfort-on-the-Main, Germany. Hydraulic opening and closing device. 1,980,617; Nov. 13.
Engel, Friedrich V. A. E., London, England, assignor to Republic Flow Meters Company, Chicago, Ill. Orifice plate for flow meters. 1,980 672; Nov. 13.
Erie Malleable Iron Company. (See Vanderveer, Jewell, W., assignor.)
Ertola, Charles A., and A. L. Slee, San Francisco, Calif. Spoon. 1,980,477; Nov. 13.
Eskilson, Sven A., Stockholm, and G. K. V. Jonnson, Lidingo, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden. Regulator for milking machines. 1,980,752; Nov. 13.
Eslinger, John, Chicago, Ill. Aeroplane toy. 1,980,391; Nov. 13.
Etablissements Hutchinson. (See See, J., and Huot, assignors.)
Eubank, John T., Sherman, Tex., assignor, by mesne assignments, to Package Machinery Company, Springfield, Mass. Machine for automatically sealing hoods on bottles. 1,980,792; Nov. 13.
Eustis, Frederick A. (See Cain, John R., assignor.)
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Alternating current electromagnet. 1,980,393; Nov. 13.
Evans, David F., and C. E. Coleman, Buffalo, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Slitting machine. 1,980,392; Nov. 13.
Exact Weight Scale Company, The. (See Okey, Perry, assignor.)
Faber, John P., Dunellen Borough, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Apparatus for hoisting and distributing loose material. 1,980,673; Nov. 13.

Fain, Jacob M., Brooklyn, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Aqueous dispersions. 1,980,192; Nov. 13.
Fairbanks, E. & T., and Company. (See Bousfield, Alfred, assignor.)
Falcon, Joseph V., Evanston, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Hunting coat. 1,980,394; Nov. 13.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Back-up valve device. 1,980,327; Nov. 13.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake device. 1,980,328; Nov. 13.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake shoe clearance adjuster. 1,980,329; Nov. 13.
Farris, Clayton, et al. (See Christie, Walter, assignor.)
Faulkner, Louis E., Hattiesburg, Miss. Bell ringing device for locomotives. 1,980,260; Nov. 13.
Fedders Manufacturing Company, Inc. (See Smith, Lawrence C., assignor.)
Federal Enameling & Stamping Company. (See Christman, William T., assignor.)
Federal Tin Company, Inc. (See Willett, Moses, assignor.)
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Machine for breaking cubes of ice. 1,980,952; Nov. 13.
Fenton, Ray M., assignor to Newton Steel Company, Youngstown, Ohio. Sheet inspection table. 1,980,261; Nov. 13.
Ferris, Walter, Milwaukee, and G. Macomber, Waukesha, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic press. 1,980,514; Nov. 13.
Field, Charles F., Manufacturing Company. (See Field, C. F., and Flick, assignors.)
Field, Charles F., and Z. E. Flick, assignors to Charles F. Field Manufacturing Company, Kansas City, Mo. Packing. 1,980,720; Nov. 13.
Flitrol Company of California. (See Belden, D. S., and Kelley, assignors.)
Fina, Valentine, assignor to Milwaukee Valve Company, Milwaukee, Wis. Relief by-passed gate valve. 1,980,914; Nov. 13.
Finegan, Ellwood J., assignor of one-half to M. J. Power, Nekoosa, Wis. Chip cutter. 1,980,193; Nov. 13.
Fink, Harry L., New Rochelle, N. Y. Dividing strip structure. 1,980,793; Nov. 13.
Fire Detector Co., Inc. (See Ford, John J., assignor.)
Fischer, Erich, Bad Soden-on-the-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid wool azo dyestuffs. 1,980,515; Nov. 13.
Fish, Earl R., assignor to W. C. Lipe Inc., Syracuse, N. Y. Transmission gearing. 1,980,262; Nov. 13.
Fitz Gerald, Alan S., Wynnewood, Pa. Electro-responsive system. 1,980,395; Nov. 13.
Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)
Flick, Zeno E. (See Field, G. F., and Flick.)
Flint, Francis C. (See Bowman, S. B., and Flint.)
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Printing machine and method. 1,980,576; Nov. 13.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Ticket. 1,980,577; Nov. 13.
Florence Stove Company. (See Bradbury, William T., assignor.)
Folmer Graflex Corporation. (See Petit, W. H., and Hineline, assignors.)
Folmsbee, Clyde H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Tank car. 1,980,674; Nov. 13.
Ford, John J., Jackson Heights, assignor to Fire Detector Co., Inc., New York, N. Y. Thermostatically controlled signal. 1,980,194; Nov. 13.
Ford, John W., Hillsboro, Ill., assignor to J. H. Bruninga, trustee for the stockholders of Ford Process Corporation. Treating cast-iron castings. 1,980,578; Nov. 13.
Ford Process Corporation, Stockholders of. (See Ford, John W., assignor.)
Fradenburgh, John. (See Kellogg, W. D., Fradenburgh, and Dube.)
Fredenburgh, Mark N., Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Preventing heater-cathode leakage in a radio tube. 1,980,675; Nov. 13.
Freedman, Harry A. (See Emerson, Lilley W., assignor.)
Frentzel, Herman C., jr., assignor, by mesne assignments, to The Heil Co., Milwaukee, Wis. Fluid pressure control mechanism. 1,980,478; Nov. 13.
Frey, Frederick E. (See Schulze, W. A., and Frey.)
Fridaker, Albert B., et al. (See Clark, Malcolm S., assignor.)
Friden, Carl M. F., Piedmont, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,980,579; Nov. 13.
Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Toy pistol. Des. 93,819; Nov. 13.
Frost, John G. G., assignor to The National Smelting Company, Cleveland, Ohio. Smelting aluminum. 1,980,263; Nov. 13.
Fuchs, Harry, Brooklyn, N. Y. Machine for forming fabrications from strip material. 1,980,856; Nov. 13.
Fulton Syphon Company, The. (See Giesler, Jean V., assignor.)
Gabel, John, Manufacturing Company, The. (See Samuelson, Theodore E., assignor.)
Gail, George W., Ruxton, Md. Bed. 1,980,516; Nov. 13.
Gaines, Nathaniel, Elizabeth, N. J. Shower bath curtain and bracket. 1,980,618; Nov. 13.
Gair, Robert, Company, Inc. (See Daley, Walter F., assignor.)
Gair, Robert, Company, Inc. (See Von Thien, Theodore, assignor.)
Gannett, Chauncey W., assignor to The Wellington Machine Company, Wellington, Ohio. Wheel. 1,980,479; Nov. 13.
Gard, Earle W., Palos Verdes, and P. Subkow, assignors to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for heating and cracking oils. 1,980,330; Nov. 13.
Garrett, Frank, Yakima, Wash. Holder for paper rolls. 1,980,619; Nov. 13.
Garrison, Murray E., Long Beach, Calif., and W. F. Van Loenen, Casper, Wyo., assignors to Petroleum Rectifying Company of California. Method of and apparatus for agglomerating suspended particles. 1,980,772; Nov. 13.
Gasoline Antioxidant Company. (See Hannum, Chester W., assignor.)
Gebauer-Fuelnegg, Erich, Evanston, Ill., and E. W. Moffett, assignors to Marsene Corporation of America, Gary, Ind. Reaction product of butadiene derivatives with hydrogen halides and producing same. 1,980,396; Nov. 13.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. Re19,371; Nov. 13.
Gebhard, Louis A., Washington, D. C., E. L. White, Honolulu, Hawaii, and C. F. Rudolph, Washington, D. C., assignors, by mesne assignments, to Wired Radio, Inc., New York, N. Y. High power tube support and cooling system. 1,980,753; Nov. 13.
Gebler, Harry L., New York, N. Y. Direction indicator for vehicles. 1,980,794; Nov. 13.
Geddes, Norman B., New York, N. Y. Locomotive unit for a railway train. Des. 93,809; Nov. 13.
Gehring, Solomon & Birnbaum, Inc. (See Adaire, William R., assignor.)
Geib, Ambrose C., assignor to Geib & Schaefer Co., Chicago, Ill. Accordion case. Des. 93,820; Nov. 13.
Geib & Schaefer Co. (See Geib, Ambrose C., assignor.)
Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Sanitary waste can. 1,980,938; Nov. 13.
Geiger, Ernst, Irvington, N. J. Sectional building. 1,980,397; Nov. 13.
Gelette, Robert A., New Bedford, and J. R. Cosgrove, North Dartmouth, Mass. Let-off tension device for cloth-weaving machines. 1,980,857; Nov. 13.
General Aniline Works, Inc. (See Bayer, Otto, assignor.)
General Aniline Works, Inc. (See Fischer, Erich, assignor.)
General Aniline Works, Inc. (See Lange, Hans, assignor.)
General Aniline Works, Inc. (See Lange, W., and Dreyer, assignors.)
General Aniline Works, Inc. (See Raeder, Heinrich, assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Coulson, Bevis P., jr., assignor.)
General Electric Company. (See De Walt, Kenneth C., assignor.)
General Electric Company. (See Elder, Frank R., assignor.)
General Electric Company. (See Goff, Robert W., assignor.)
General Electric Company. (See Hardesty, Llewellyn C., assignor.)
General Electric Company. (See Leibing, Joseph K., assignor.)
General Electric Company. (See Maughmer, Glenn F., assignor.)
General Electric Company. (See McArthur, Elmer D., assignor.)
General Electric Company. (See Nerad, Anthony J., assignor.)
General Electric Company. (See Palueff, Konstantin K., assignor.)
General Electric Company. (See Parry, Robert D., assignor.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Robinson, Percy W., assignor.)
General Electric Company. (See Vouch, Stephen J., assignor.)
General Electric Company. (See Wright, D. K., and Greiner, assignors.)
General Motors Corporation. (See Prescott, F. H., and Crawford, assignors.)
General Motors Corporation. (See Shippy, L. C., Phelps, and Holmes, assignors.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Printing Ink Corporation. (See Ogden, Ashley G., assignor.)
George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Cold rolled iron chromium alloy article. 1,980,331; Nov. 13.

Gerhardt, William F., Grosse Ile, and C. A. Brock, Detroit, Mich., assignors, by mesne assignments, to Devon Corporation. Wind tunnel balance. 1,980,195; Nov. 13.
Gibbons, James A., North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Photography. 1,980,795; Nov. 13.
Gibbons, John T., assignor to Joseph Bancroft & Sons Co., Rockford, Wilmington, Del. Finishing textile fabrics. 1,980,676; Nov. 13.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Corrugating tubes. 1,980,264; Nov. 13.
Gill, Sidney. (See Addy, R., Gill, and Tozer.)
Gillette, Herbert B., assignor to Gillette Rubber Company, Eau Claire, Wis. Antiskid device. 1,980,265; Nov. 13.
Gillette Rubber Company. (See Gillette, Herbert B., assignor.)
Gilmore, Vincent J., Wappingers Falls, assignor to The De Laval Separator Company, New York, N. Y. Guide bearing for spindles of centrifuges. 1,980,580; Nov. 13.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Buffer mechanism for railway passenger cars. 1,980,677; Nov. 13.
Ginder, Philip M., G. T. Mahler, and H. M. Cyr, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Purifying zinc metal. 1,980,480; Nov. 13.
Givelet, Joseph A. (See Coupleux, E. E., and Givelet.)
Glass, Myron S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,980,196; Nov. 13.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Glenn, Russell P., Abilene, Tex. Rotary steam engine. 1,980,858; Nov. 13.
Gloyd, Frank M., assignor to Simonds Worden White Company, Dayton, Ohio. Acidproof beater bar. 1,980,481; Nov. 13.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator. 1,980,581; Nov. 13.
Goddard, Robert H., Worcester, Mass. Propulsion apparatus. 1,980,206; Nov. 13.
Godowsky, Leopold, jr. (See Mannes, L. D., and Godowsky.)
Goerner, Karl E., Wood-Ridge, N. J. Garment hanger. 1,980,939; Nov. 13.
Goff, Robert W., Schenectady N. Y., assignor to General Electric Company. Motor starter and control system. 1,980,796; Nov. 13.
Goldblatt, Joseph, assignor to Lionel Distilled Products, Inc., Chicago, Ill. Bottle. Des. 93,821; Nov. 13.
Golden, Louis J., Highland Park, assignor to B. & B. Shoe Company, Chicago, Ill. Container. 1,980,482; Nov. 13.
Good, Ezra A., Clarksville, Mich. Seed cleaner. 1,980,517; Nov. 13.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Gordon, Emmett R., assignor to Mathias Klein & Sons, Chicago, Ill. Buckle for lineman's belts. 1,980,678; Nov. 13.
Gottschalk, Otto, Buenos Aires, Argentina. Apparatus used in the formation of models of building structures. 1,980,332; Nov. 13.
Gould, Frederick C., Westway, Edgware, and T. Harrison, Golders Green, London, assignors to Nevett Limited, London, England. Bookbinding. 1,980,267; Nov. 13.
Graham, Harold M., assignor, by mesne assignments, to Ross Heater & Manufacturing Company Inc., Buffalo, N. Y. Vacuum producing apparatus. 1,980,398; Nov. 13.
Graham, William G., Brooklyn, Pretoria, Transvaal, Union of South Africa. Animal-slaughtering apparatus. 1,980,679; Nov. 13.
Grahn, Bengt A. (See Sundblad, O. E. B., and Grahn.)
Graser, Frank X., Lindenhurst, N. Y. Motion-picture camera. 1,980,915; Nov. 13.
Grasselli Chemical Company, The. (See Duggan, H., and McHaffie, assignors.)
Grasselli Chemical Company, The. (See Ridler, Earl S., assignor.)
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Material for coating metal. 1,980,518; Nov. 13.
Gray, Alvin N., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing conductors in plates. 1,980,197; Nov. 13.
Gray Company. (See Gray, Russell J., assignor.)
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical tube. 1,980,198; Nov. 13.
Gray, Russell J., assignor to Gray Company, Inc., Minneapolis, Minn. Pneumatic grease gun. Re19,369; Nov. 13.
Green, Samuel G., Gray, Ga. Gun barrel and barrel mounting. 1,980,399; Nov. 13.
Greenfield, William H., Philadelphia, Pa. Resistance element for rail heaters. 1,980,582; Nov. 13.
Greenfield, William H., Philadelphia, Pa. Clamp for rail heaters. 1,980,916; Nov. 13.
Gregoroff, Asen C. (See Scofield, T. J., Gregoroff, Billig, and Sparks.)
Greiner, Alfred. (See Wright, D. K., and Greiner.)
Greve, Friedrich H., La Salle, Ill. Match box and striking device. 1,980,859; Nov. 13.
Griggs, Stephen A. (See Higbee, James F., assignor.)
Griswold Manufacturing Company, The. (See Anderson, Carl R., assignor.)
Gross, Carl G., Mount Vernon, assignor, by mesne assignments, to American Machine & Metals, Inc., New York, N. Y. Permanent waving. 1,980,680; Nov. 13.
Gründler, Herta, Berlin-Wilmersdorf, assignor to Elektricitätsgesellschaft "Sanitas", Berlin, Germany. Water faucet. 1,980,199; Nov. 13.
Grunzig, Walter, Stuttgart, and C. Baumgärtel, Zeulenroda, assignors to Julius Rompler Aktiengesellschaft, Zeulenroda, Germany. Radio-active rubber threads. 1,980,519; Nov. 13.
Grupe, William F., Lyndhurst, N. J., assignor to H. H. Straus, New York, N. Y. Gummed paper booking machine. 1,980,400; Nov. 13.
Grupp, Paul J., Chicago, Ill. Machine for drawing designs. 1,980,917; Nov. 13.
Gühring, Eugen. (See Hagedorn, M., Gühring, and Reichert.)
Gurley, Bessie M. (See Gurley, James R., assignor.)
Gurley, James R., assignor to Bessie M. Gurley, Akron, Ohio, and himself. Nail set. 1,980,583; Nov. 13.
Gustafsson, Nils G. A., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Carburetor. 1,980,520; Nov. 13.
Guth, Stern & Co. Inc. (See Osterman, Samuel, assignor.)
H & R Sales Company, The. (See Henning, L. G., and Rein, assignors.)
Haberle, Sumner D., East Orange, and R. J. Davis, Nutley, N. J., assignors to Hygrade Sylvania Corporation, Salem, Mass. Radio transmitter control apparatus. 1,980,585; Nov. 13.
Habirshaw Cable and Wire Corporation. (See Del Mar, William A., assignor.)
Haering, Carl G., assignor to Titmus Optical Company, Inc., Petersburg, Va. Fusing bifocal buttons. 1,980,401; Nov. 13.
Haessler, Paul, Nuremberg, Germany. Pressure die-casting machine with device for uniformly controlling the movable parts by means of gaseous and hydraulic pressure media. 1,980,333; Nov. 13.
Hagedorn, Max, and E. Gühring, Dessau in Anhalt, and O. Reichert, Dessau-Ziebigk in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of shaped objects from cellulose derivatives. 1,980,268; Nov. 13.
Hagstrom, Joseph E., assignor to Line-O-Scribe Incorporated, Adrian, Mich. Ink roller. 1,980,402; Nov. 13.
Hahn, Carl, Berlin-Siemensstadt, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Supplying and cleaning gas by electrical action. 1,980,521; Nov. 13.
Hale, Jesse W., Newton Center, Mass. Change speed system. 1,980,797; Nov. 13.
Hale, Jesse W., Newton Center, Mass. Change speed system. 1,980,798; Nov. 13.
Hale, Lloyd. (See Pennock, E. M., and Hale.)
Hamlin, George R. (See Sheller, Samuel H., assignor.)
Hammer, Hy, assignor to Price Bros., Inc., Chicago, Ill. Sign. Des. 93,822; Nov. 13.
Handy, Le Roy L., assignor to Libbey-Owens-Ford Glass Company, Toledo Ohio. Surfacing tool. 1,980,403; Nov. 13.
Hannum, Chester W., Danville, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel. 1,980,200; Nov. 13.
Hannum, Chester W., Danville, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel. 1,980,201; Nov. 13.
Hanson, Arthur F., assignor to Budd Wheel Company, Philadelphia, Pa. Metal working machine. 1,980,584; Nov. 13.
Hanson, John P., Butte, Mont. Signal switch for automobiles. 1,980,269; Nov. 13.
Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Control system. 1,980,799; Nov. 13.
Harkort, Hermann, Berlin-Tegel, Germany. Manufacturing hollow building plates from ceramic material. 1,980,270; Nov. 13.
Harman, Gerald J., and A. M. Briggs, assignors to Harman Pacific Company, Los Angeles, Calif. Rotary pump. 1,980,404; Nov. 13.
Harman Pacific Company. (See Harman, G. J., and Briggs, assignors.)
Harnischfeger Corporation, et al. (See Clark, Malcolm S., assignor.)
Harrison, Arthur H., Gold Pines, Ontario, Canada. Wall board. 1,980,681; Nov. 13.
Harrison, Meyer S., et al. (See Drexler, Samuel, assignor.)
Harrison, Robert E. W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,980,682; Nov. 13.
Harrison, Thomas. (See Gould, F. C., and Harrison.)
Harsh, Russell K., Dallas, Tex. Game board. Des. 93,823; Nov. 13.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Roofing. Des. 93,824; Nov. 13.
Hart, Harold L. (See Hume, J. T., and Hart.)
Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Ink ribbon feeding and reversing mechanism. 1,980,723; Nov. 13.

Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,980,724; Nov. 13.

Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,980,725; Nov. 13.

Harvey, Andrew, et al. (See Worsdall, Horace, assignor.)

Harvey, John C., et al. (See Worsdall, Horace, assignor.)

Hassel, Franz, Chemnitz, assignor of one-half to Muller & Franke A. G., Limbach, I, Sa., Germany. Exchangeable heel tap. 1,980,271; Nov. 13.

Hassold, Victor C., Chestnut Hill, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Stop motion for looms. 1,980,940; Nov. 13.

Haswell, Arthur B., Birmingham, Ala. Cotton tie buckle. 1,980,620; Nov. 13.

Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, Mass. Sectional spool for tube frames and the like. 1,980,586; Nov. 13.

Haubold, C. G., A.-G. (See Tandel, Karl F., assignor.)

Hauck Manufacturing Company. (See Elze, Walter C., assignor.)

Havill, Clinton H. (See Mock, F. C., and Havill.)

Havill, Clinton H., South Orange, and M. Mansson, assignors to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,980,272; Nov. 13.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Apparatus for the treatment of gases. 1,980,522; Nov. 13.

Hayes, Ben E., Jackson, Mich. Compositor's copy rack. 1,980,587; Nov. 13.

Haymond, Gilbert, Ellsworth, Kans. Grain separator. 1,980,405; Nov. 13.

Hazel-Atlas Glass Company. (See Bowman, S. B., and Flint, assignors.)

Heany, John A., assignor to Sirian Lamp Company, New Haven, Conn. Method of and physical arrangement for contact breaking and lighting appliance. 1,980,800; Nov. 13.

Hell Company, The. (See Frentzel, Herman C., jr., assignor.)

Heintz Manufacturing Company. (See Laubert, Albert L., assignor.)

Heltzel, John N., Warren, Ohio. Road building machine. 1,980,523; Nov. 13.

Henning, Leslie G., and J. Rein, assignors to The H & R Sales Company, Cleveland, Ohio. Insect trap. 1,980,754; Nov. 13.

Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Defroster switch. 1,980,524; Nov. 13.

Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Burner and ignition controller with shut-down. 1,980,525; Nov. 13.

Herrmann, Robert, New York, N. Y. Portable receptacle. 1,980,683; Nov. 13.

Herzog, Moses, Washington, D. C. Necktie holder and presser. 1,980,526; Nov. 13.

Hetzer, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment treating machine. 1,980,860; Nov. 13.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake valve device. 1,980,334; Nov. 13.

Hewitt, Ellis E., Edgewood, and E. K. Lynn, East McKeesport, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Gasket construction. 1,980,335; Nov. 13.

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Mechanical movement. 1,980,527; Nov. 13.

Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Hand bag. 1,980,684; Nov. 13.

Higbee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Compressor. 1,980,726; Nov. 13.

Hill, Frank B. (See Dickie, W. A., and Hill.)

Hill, Rowland, Blackley, England, assignor to Imperial Chemical Industries Limited. Resin and resin forming compound. 1,980,483; Nov. 13.

Hinderer, Jesse L., Canton, Ohio. Stoker. 1,980,755; Nov. 13.

Hineline, Edson S. (See Petit, W. H., and Hineline.)

Hoagland, Frank O., West Hartford, assignor to Pratt & Whitney Company, Hartford, Conn. Chuck retaining means. 1,980,336; Nov. 13.

Hoefler, Carl. (See Cullen, W. L., Roth, and Hoefler.)

Hofmann, George, Boston, Mass. Safety razor. 1,980,202; Nov. 13.

Holbrook, Henry E., Irvington, assignor to The H. A. Wilson Company, Newark, N. J. Alloy. 1,980,801; Nov. 13.

Hollander, Aladar, Berkeley, assignor to Byron Jackson Co., Los Angeles, Calif. Impeller mounting. 1,980,337; Nov. 13.

Hollins, William, and Company. (See Ball, Horace J., assignor.)

Holly, Herve C. (See Benny, Louis, assignor.)

Holmes, John Q. (See Shippy, L. C., Phelps, and Holmes.)

Holonbane Company, Inc. (See Tuck, D. H., and Rosebraugh, assignors.)

Holzer, Philip P., sr., Chicago, Ill. Television apparatus. 1,980,406; Nov. 13.

Hookless Fastener Company. (See Norton, Samuel H., assignor.)

Hoosier Manufacturing Company. (See McQuinn, Emmett G., assignor.)

Hoover, Joseph C., assignor of sixty one-hundredths to E. F. Bahls and M. D. Riker, Detroit, Mich. Thermally controlled switch. 1,980,756; Nov. 13.

Hopkinson, Ernest, New York, N. Y., assignor to Morgan and Wright, Detroit, Mich. Apparatus for manufacturing tire casings. 1,980,203; Nov. 13.

Hopp, Adolph, New York, N. Y. Frozen confection. 1,980,588; Nov. 13.

Horne, Archibald B., Brooklyn, N. Y. Playground apparatus. Des. 93,825; Nov. 13.

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Hough, Arthur, Passaic, assignor to Theodor Leonhard Wax Company, Haledon, N. J. Bleaching wax. 1,980,273; Nov. 13.

Hough, Arthur, Passaic, assignor to Theodor Leonhard Wax Company, Haledon, N. J. Purification and bleaching of waxes. 1,980,338; Nov. 13.

House, Bryan E. (See Parker, H. F., and House.)

Housh, Frank E., Miami Beach, Fla. Safety razor blade honer. 1,980,407; Nov. 13.

Hübl, Josef, Vienna, Austria, assignor to the firm "Pellthe" Holding A. G., St. Gallen, Switzerland. Electric heating pad. 1,980,528; Nov. 13.

Hudspeth, George T., Dallas, Tex. Curtain and drapery holder. 1,980,918; Nov. 13.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,980,204; Nov. 13.

Huits, Eugene A., Saltville, Va., assignor to The Mathiesen Alkali Works, Inc., New York, N. Y. Chemical container. 1,980,727; Nov. 13.

Hume, John T., Chicago, and H. L. Hart, River Forest, assignors to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. 1,980,484; Nov. 13.

Hunsucker, William A., Los Angeles, Calif. Orienting device for core drills. 1,980,529; Nov. 13.

Hunter, Theoore A., Yonkers, N. Y. Exercising apparatus. 1,980,861; Nov. 13.

Huot, Léon. (See See, J., and Huot.)

Hutchison, Frank C., Kansas City, Mo., assignor to The Linde Air Products Company. Solid ring pipe liner. 1,980,530; Nov. 13.

Huthsing, Charles K., Clayton, Mo. Portable hand fire extinguisher. Des. 93,826; Nov. 13.

Huthsing, Charles K., Clayton, Mo. Portable hand fire extinguisher. Des. 93,827; Nov. 13.

Huthsing, Charles K., Clayton, Mo. Wrench. 1,980,862; Nov. 13.

Hygrade Sylvania Corporation. (See Callahan, Henry F., assignor.)

Hygrade Sylvania Corporation. (See Haberle, S. D., and Davis, assignors.)

Hygrade Sylvania Corporation. (See Poor, Walter E., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., Gühring, and Reichert, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schultze, Guido, assignor.)

Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)

Industrial Research Corporation. (See Brockway, Carl P., assignor.)

Ingold, John O. C., Havana, Kans. Condiment holder. 1,980,863; Nov. 13.

Innis, Robert I., Winthrop, Mass. Sanitary sandal. 1,980,621; Nov. 13.

Insall, Augustus T. C., East Finchley, London, and F. E. Andrews, East Twickenham, England. Devices for playing table football. 1,980,274; Nov. 13.

International Air Brake Control Company. (See Seifferle, Oliver, assignor.)

International Precipitation Company. (See Hahn, Carl, assignor.)

Intertype Corporation. (See Turner, Ransom H., assignor.)

Isola, Raymond O., assignor of twenty per cent to A. E. Proulx, Alabaster, Mich. Furniture caster. 1,980,205; Nov. 13.

Jacobson, Peter G., assignor to Reliance Die & Stamping Co., Chicago, Ill. Condenser. 1,980,485; Nov. 13.

Jagmin, Adolph, Cicero, Ill. Fuel gas generator. 1,980,802; Nov. 13.

Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Clutch. 1,980,757; Nov. 13.

Jansky, Charles G., Berwyn, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Golf club. 1,980,408; Nov. 13.

Jenkins, Paul S., assignor to Square D Company, Detroit, Mich. Panelboard and testing means therefor. 1,980,721; Nov. 13.

Johanson, George K. V. (See Eskilson, S. A., and Johanson.)

John-Manville Corporation. (See Brodersen, Harry T., assignor.)

Johnson, Alfred V., New York, N. Y. Metal sash protection. 1,980,864; Nov. 13.

Johnson Arthur A., Bridgeport, Conn. Manifolding. 1,980,339; Nov. 13.

Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)

Johnson, Charles. (See Barrett, L. E., and Johnson.)

Johnson, Cyrus S., Thompson Township, Fulton County, Pa. Wheat flour milling process. 1,980,622; Nov. 13.

Johnson, Doletta M., Detroit, Mich. Massage applicator. 1,980,803; Nov. 13.

Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Marine motor. 1,980,685; Nov. 13.

Johnson, Horace L. (See Ross, F. N., and Johnson.)

Johnson & Johnson. (See Klimer, Frederick B., assignor.)

Johnson & Johnson. (See Rohlfing, Andrew A., assignor.)

Johnson, M. Daniel. (See Walker, George M., assignor.)

Johnson, Oscar, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Absorption refrigerating system. 1,980,531; Nov. 13.

Johnson, Samuel J., Cincinnati, Ohio, assignor, by mesne assignments, to Clopay Corporation, Baltimore, Md. Window shade cord ring. Des. 93,828; Nov. 13.

Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Frequency converting system. 1,980,409; Nov. 13.

Jones, Charles T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole pressing machine. 1,980,340; Nov. 13.

Joost, William E., et al. (See Ames, George E., assignor.)

Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,980,410; Nov. 13.

Julin, Clarence E., Jamestown, N. Y. Window construction. 1,980,275; Nov. 13.

Kahn, Leo M., New York, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Folding machine. 1,980,532; Nov. 13.

Katz & Ogush, Inc. (See Ogush, Benjamin, assignor.)

Kauffman, Robert T., Harrisburg, Pa. Hedge trimmer. 1,980,865; Nov. 13.

Kay, Robert, and A. Kruse, Eleele, Hawaii. Calandria. 1,980,623; Nov. 13.

Kayko Charles J., and P. A. Stoll, assignors to The Sparks-Withington Company, Jackson, Mich. Vacuum tube grid construction. 1,980,341; Nov. 13.

Keen, Thomas A., St. Louis, Mo., assignor to Hannah M. Smith, River Forest, Ill. Brake. 1,980,206; Nov. 13.

Kégresse, Adolphe, Courbevoie, France. Endless track vehicle. 1,980,276; Nov. 13.

Kehl, Howard A., Detroit, Mich. Combination wrist watch. 1,980,207; Nov. 13.

Keeler Brass Company. (See Rettich, Kurt, assignor.)

Keller, Paul W., Rawson, Ohio. Reversible barb wire holder. 1,980,919; Nov. 13.

Kelley, William. (See Belden, D. S., and Kelley.)

Kellogg, William D., J. Fradenburgh, and D. D. Dube, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Loom. 1,980,208; Nov. 13.

Kelly, William W., Cleveland, Ohio, assignor, by mesne assignments, to Glenn Offenbacher. Electric oven. 1,980,920; Nov. 13.

Kelsall, Bernard. (See Kinsella, E. Pratt, and Kelsall.)

Kendall, William G., Maplewood, N. J. Vanity case. 1,980,921; Nov. 13.

Kenney, John J., Pittsburgh, Pa. Thermostatic valve. 1,980,624; Nov. 13.

Kern, Rudolf, Oschatz, assignor to the firm Chemische Fabric R. Baumheier Aktiengesellschaft, Zschollau, near Oschatz, Germany. Sulphonated oils, fats or acids thereof, and manufacturing the same. 1,980,342; Nov. 13.

Keystone Aircraft Corporation. (See Bodden, Karl, assignor.)

Keystone Aircraft Corporation. (See Rogers, Frank D., assignor.)

Kile, Clifford S., Hutchinson, Kans. Dental mixing slab. 1,980,533; Nov. 13.

Kilgore Mfg. Company. (See Peake, Edward S., assignor.)

Kilmer, Frederick B., assignor to Johnson & Johnson, New Brunswick, N. J. Means to prevent the spread of tuberculosis. 1,980,953; Nov. 13.

Kimball, Wallace D., and J. H. Mosley, Jackson Heights, N. Y., assignors, by mesne assignments, to Standard-Knapp Corporation. Article-collecting device. 1,980,411; Nov. 13.

King, Le Roy M., and W. E. Tournat, Oakland, Calif. Surgical foot covering. 1,980,486; Nov. 13.

Kinker, Clarence C., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Continuous rotation glass machine. 1,980,343; Nov. 13.

Kinker, Clarence C., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glass furnace. 1,980,344; Nov. 13.

Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Operating mechanism for knitting machines. 1,980,209; Nov. 13.

Kinsley, Felix P., St. Louis, Mo. Finger ring. Des. 93,829; Nov. 13.

Kinsley, Felix P., St. Louis, Mo. Finger ring. Des. 93,830; Nov. 13.

Kinsman, Charles C., assignor to Universal Draft Gear Attachment Company, Chicago, Ill. Railway brake. 1,980,686; Nov. 13.

Kinzbach, Frank, Houston, Tex. Shaper. 1,980,922; Nov. 13.

Kirby, Wilfred. (See Nasmith, J. I., and Kirby.)

Kirsten Lighting Corporation. (See Kirsten, Kurt F. J., assignor.)

Kirsten, Kurt F. J., Seattle, Wash., assignor to Kirsten Lighting Corporation. Gas arc lamp. 1,980,534; Nov. 13.

Klauder, David S., jr., Wyomissing, Pa. Inclination gauge. 1,980,487; Nov. 13.

Klein, Mathias, & Sons. (See Gordon, Emmett R., assignor.)

Kleinschmidt, Edward E. (See Morton, S., Krum, and Kleinschmidt.)

Klingelnberg Sohne, W. Ferd. (See Schicht, Heinrich, assignor.)

Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Inking mechanism for printing presses. 1,980,968; Nov. 13.

Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Inking printing forms. 1,980,969; Nov. 13.

Kluge, Eneval. (See Kluge, Abel and E.)

Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Wheel. 1,980,412; Nov. 13.

Knight, Charles K., Upper Darby, Pa. Windshield cleaner. 1,980,590; Nov. 13.

Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Thermionic device and circuit therefor. 1,980,728; Nov. 13.

Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Thermionic tube. 1,980,804; Nov. 13.

Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Electron tube construction. 1,980,805; Nov. 13.

Koch, Earl L., Holding Corporation. (See Koch, Earl L., assignor.)

Koenekamp, Hans F., Venice, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite motion pictures. 1,980,806; Nov. 13.

Komorous, Joseph, Riverside, assignor to Parision Novelty Company, Chicago, Ill. Pushpin. 1,980,758; Nov. 13.

Koppel Industrial Car and Equipment Company. (See Schmobl, Alfred C., assignor.)

Koppel, Rudolf H., and J. Linden, assignors to the firm Rhein-Scheide Gesellschaft für Ingenieurwesen m. b. H., Aachen, Germany. Motor-driven vehicle. 1,980,277; Nov. 13.

Krchma, Ignace J. (See Bannister, W. J., and Krchma.)

Kroll, Nathan J. (See Kroll, Samuel and N. J.)

Kroll, Nathan J., Chicago, Ill. Baby carriage. 1,980,210; Nov. 13.

Kroll, Nathan J. and S., Chicago, Ill. Baby carriage. 1,980,211; Nov. 13.

Kroll, Samuel. (See Kroll, Nathan J. and S.)

Kroll, Samuel and N. J., Chicago, Ill. Rail for a baby carriage or the like. Des. 93,831; Nov. 13.

Kroto, George, New Rochelle, N. Y. Tongs. 1,980,759; Nov. 13.

Krum, Howard L. (See Morton, S., Krum, and Kleinschmidt.)

Kruse, Arthur. (See Kay, R., and Kruse.)

Kyle, William D., and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Socket extension adapter. 1,980,488; Nov. 13.

L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)

La Ferney, Louis, Griffithville, Ark. Buckle. 1,980,535; Nov. 13.

Laforest, Jean, Colombes, and Jean Pignon, Aubervilliers, France. Fountain pen. 1,980,625; Nov. 13.

Lambert, Albert L., Narberth, Pa., assignor to Heintz Manufacturing Company. Refrigerator cabinet. 1,980,807; Nov. 13.

Lambert, Pierre L. V., St. Martins, assignor of two-fifths to H. H. Randell, Guernsey, Channel Islands. Apparatus for eliminating interferences in radio reception. 1,980,212; Nov. 13.

Lamle, Ralph D. (See Reed, H. S., and Lamle.)

Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of dl-(hydroxyethyl)-aminonitrobenzenes. 1,980,536; Nov. 13.

Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of 2-nitrodiphenyl. 1,980,537; Nov. 13.

Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. β,γ-Hydroxypropyloxyalkylamino benzenes and the γ-alkylesters thereof. 1,980,538; Nov. 13.

Lange, Werner, Dessau-Ziebigk in Anhalt, and U. Dreyer, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dye. 1,980,539; Nov. 13.

Langhammer, Anthony J. (See Calkins, W. G., and Langhammer.)

Langhammer, Anthony J., assignor to Chrysler Corporation, Detroit, Mich. Making trolley shoes. 1,980,540; Nov. 13.

Lankelma, Herman P. (See Burk, R. E., and Lankelma.)

Lassen, Alma M., New York, N. Y. Card index container for recipes. 1,980,687; Nov. 13.

Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 1,980,626; Nov. 13.

Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 1,980,627; Nov. 13.

Lebel, Stanislas, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Method of and apparatus for coating paper. 1,980,923; Nov. 13.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Hydraulic control for motor mountings. 1,986,541; Nov. 13.
Lehmann, Carl J. (See Lockenvitz, Wilhelm, assignor.)
Leibing, Joseph K., Schenectady, N. Y., assignor to General Electric Company. Alternating current generator. 1,980,808; Nov. 13.
Leland Electric Company, The. (See Leland, George H., assignor.)
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Circuit controlling device for electric signs and the like. 1,980,542; Nov. 13.
Lemert, Louis W. (See Martin, C. B., and Lemert.)
Leonhard, Theodor, Wax Company. (See Hough, Arthur, assignor.)
Leopold, George O. (See Fegley, T. J., and Leopold.)
Leopold, Howard F., Chicago, Ill. Upholstering cover. 1,980,489; Nov. 13.
Leuner, Eugen. (See Zeumer, Luise, assignor.)
Levy, Stanley L., London, England. Production of ferric oxide and other metal values from pyrites. 1,980,809; Nov. 13.
Lewis Air Conditioners, Inc. (See Lewis, Carroll E., assignor.)
Lewis, Carroll E., assignor, by mesne assignments, to Lewis Air Conditioners, Inc., Minneapolis, Minn. Air conditioning and refrigeration system. 1,980,688; Nov. 13.
Lewis, Mark C., Cranford, N. J., and A. M. Lynn, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Insulating materials and preparing insulating materials. 1,980,413; Nov. 13.
Libbey-Owens-Ford Glass Company. (See Handy, Le Roy L., assignor.)
Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
Lide, Martin J., Birmingham, Ala. Concentrator. 1,980,490; Nov. 13.
Lincoln Electric Company, The. (See Stine, Wilmer E., assignor.)
Linde Air Products Company, The. (See Hutchison, Frank C., assignor.)
Linde Air Products Company, The. (See Wagner, Robert L., assignor.)
Linden, Josef. (See Koppel, R. H., and Linden.)
Lindner, Kurt, assignor, by mesne assignments, to Oranienburger Chemische Fabrik Aktiengesellschaft, Oranienburg, Germany. Production of sulpho-acids of high molecular weight. 1,980,414; Nov. 13.
Lindsay, Harvey B., Chicago, Ill. Radiation differential thermometer. 1,980,213; Nov. 13.
Line Material Company. (See Earle, Ralph H., assignor.)
Line Material Company. (See Kyle, W. D., and Steinmayer, assignors.)
Line Material Company. (See Steinmayer, A. G., and Schultz, assignors.)
Line-O-Scribe Incorporated. (See Hagstrom, Joseph E., assignor.)
Link-Belt Company. (See Philips, William E., assignor.)
Lionel Distilled Products, Inc. (See Goldblatt, Joseph, assignor.)
Lipe, W. C., Inc. (See Fish, E. R., assignor.)
Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,832; Nov. 13.
Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,833; Nov. 13.
Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,834; Nov. 13.
Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,835; Nov. 13.
Lisle Corporation. (See Olson, Carl A., assignor.)
Little, Harold B. (See Miller, K. C., and Little.)
Little, Harold B., and K. C. Miller, assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md. Wall covering. 1,980,866; Nov. 13.
Littlefield, Mary H. (See Tice, R. S., and Littlefield.)
Ljungström, Fredrik, Lidlongo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Cooling system for internal combustion engines. 1,980,811; Nov. 13.
Llewellyn, William B., and H. Spence, assignors to Peter Spence & Sons, Limited, Manchester, England. Preparation of titanium compounds. 1,980,812; Nov. 13.
Lockenvitz, Wilhelm, Kolonie Blumenau, Berlin, assignor to C. J. Lehmann, Berlin, Germany. Sewing machine 1,980,278; Nov. 13.
Long, James W. (See Benjamin, G. R., and Long.)
Long, Oniel E., and R. C. Swigerd, Los Angeles, Calif. Fishing reel. 1,980,345; Nov. 13.
Loppacker, Albert, Bloomfield, N. J. Electric furnace. 1,980,729; Nov. 13.
Lord, Charles R., et al. (See Christie, Walter, assignor.)
Lorenz, Hubert. (See Müller, W., and Lorenz.)
Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener. 1,980,810; Nov. 13.
Ludwig, Louis, Brooklyn, N. Y. Electric heating attachment for electric fans. 1,980,689; Nov. 13.
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electric devices. 1,980,214; Nov. 13.
Lumm, Harvey N., Dayton, Ohio, assignor to Elgin National Watch Company, Chicago, Ill. Magnetic compass. 1,980,415; Nov. 13.
Lummus Company, The. (See Coubrough, George B., assignor.)
Lurie, Eli, New York, N. Y. Wetting agents. 1,980,543; Nov. 13.
Lusse Brothers, Inc. (See Lusse, Robert J., assignor.)
Lusse, Robert J., assignor to Lusse Brothers, Inc., Philadelphia, Pa. Amusement car. 1,980,867; Nov. 13.
Lynn, Alger M. (See Lewis, M. C., and Lynn.)
Lynn, Ewing K. (See Hewitt, E. E., and Lynn.)
Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Spare tire cover construction. 1,980,690; Nov. 13.
Lyon Incorporated. (See Lyon, George A., assignor.)
Maack, Henry W. (See Eckman, H. A., and Maack.)
MacBride, Winfield B., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Grizzly. 1,980,279; Nov. 13.
MacGovern, F., Corporation. (See Colbie, Gus L., assignor.)
MacLean-Fogg Lock Nut Co. (See Rowe, Lawrence A., assignor.)
MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Double carbonates of sodium and ammonium. 1,980,691; Nov. 13.
MacNicoll, Donald, Cardonald, near Glasgow, Scotland. Safety valve installation for steam generators. 1,980,591; Nov. 13.
Macomber, Glen. (See Ferris, W., and Macomber.)
Madge, Evelyn W., Stockland Green, Birmingham, England, assignor to Dunlop Rubber Company Limited. Article of rubber and making it. 1,980,813; Nov. 13.
Magnesium Development Corporation. (See Michel, Josef M., assignor.)
Maguire, Emma L. and E. S. Tracy, St. Louis, Mo. Bottle container or holder. 1,980,416; Nov. 13.
Mahler, George T. (See Ginder, P. M., Mahler, and Cyr.)
Malcom, Robert. (See Sachs, Henry M. E., assignor.)
Mall, Arthur W., Chicago, Ill. Terrazzo grinding apparatus. 1,980,491; Nov. 13.
Malmquist, Adolph K., South Bellingham, Wash., assignor to American Can Company, New York, N. Y. Canning. 1,980,417; Nov. 13.
Maltner, Carl, Offenbach-on-the-Main, Germany. Friction lighter. 1,980,868; Nov. 13.
Mannes, Leopold D., and L. Godowsky, Jr., New York, N. Y. Color photography. 1,980,941; Nov. 13.
Manning & Co. (See Snow, H. C., and Stone, assignors.)
Manning, Margia, assignor to The R. S. M. Company, Inc., Houston, Tex. Method and apparatus for cementing wells. 1,980,942; Nov. 13.
Mansson, Martin. (See Havill, C. H., and Mansson.)
Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
Mardersteck, Carl W. (See Shanor, E. E., and Mardersteck.)
Mariani, Frank N. (See Palmer, Charles M., assignor.)
Marquardt, Carl H., and E. A. Countryman, Long Beach, and L. S. Newton, Lynwood, Calif. Rind stripper. Des. 93,836; Nov. 13.
Marsene Corporation of America. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)
Marshall, Laurence K., Cambridge, assignor to Raytheon Production Corporation, Newton, Mass. Stem. 1,980,418; Nov. 13.
Martin, Charles B., and L. W. Lemert, Bartlesville, Okla. Backing-up ring for welding. 1,980,419; Nov. 13.
Martin, John D., Fresno, Calif. Liner for grape shipping boxes. 1,980,280; Nov. 13.
Martin, John D., Fresno, Calif. Container for packing and shipping fruit. 1,980,281; Nov. 13.
Mason, George W., Chicago, Ill. Chimney draft regulator. 1,980,692; Nov. 13.
Master Metal Products, Inc. (See Gelbel, John F., assignor.)
Matchette, Frank J., assignor to The Servidor Company, New York, N. Y. Door structure. 1,980,730; Nov. 13.
Matheny, Clarence S., Haydenville, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa. Making cellular clay products. 1,980,954; Nov. 13.
Mathieson Alkali Works, Inc., The. (See Hulls, Eugene A., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)
Matlock, Edgar L., El Paso, Tex. Aircraft construction. 1,980,869; Nov. 13.
Maughmer, Glenn F., Los Angeles, Calif., assignor to General Electric Company. Compressor plant. 1,980,814; Nov. 13.
Mauser-Werke A. G. (See Nickl, Josef, assignor.)
Max Ams Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)
Mayfield, Thomas M., El Paso, Tex. Shingle. 1,980,760; Nov. 13.
McAdams, William H., Newton, and H. C. Weber, Milton, Mass., assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 1,980,215; Nov. 13.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,980,870; Nov. 13.
McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Article sorting machine. 1,980,815; Nov. 13.
McConnell, Burt M. (See Tompkins, George, assignor.)
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake equipment. 1,980,420; Nov. 13.
McDill, Rex D., East Cleveland, Ohio. Controlling apparatus. 1,980,816; Nov. 13.

McDonald, Charles G., St. Marys, Mo. Rotary gas engine. 1,980,924; Nov. 13.
McHaffie, Ivan R. (See Duggan, H., and McHaffie.)
McLeish, William S. (See Tucker, H. W., and McLeish.)
McNamara, Patrick B. (See Blanding, Joseph E., assignor.)
McQuinn, Emmett G., assignor to Hoosier Manufacturing Company, Newcastle, Ind. Kitchen cabinet. Des. 93,837; Nov. 13.
Mead, George A. (See Sawhill, J. M., and Mead.)
Meckel, Josef H., jr., Munich, Germany. Bookkeeping machine. 1,980,346; Nov. 13.
Megley, Harley J., Chicago, Ill. Typographical mold. 1,980,421; Nov. 13.
Meier, Adolf, Weinfelden, Switzerland. Thread brake for shuttles, particularly of shuttle embroidering machines. 1,980,544; Nov. 13.
Mergott, J. E., Company. (See Hiering, William C., assignor.)
Merritt Engineering & Sales Company. (See Merritt, Ericsson H., assignor.)
Merritt, Ericsson H., assignor, by mesne assignments, to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Gluing method and apparatus. 1,980,216; Nov. 13.
Mesick, John, U. S. Army, Fort Stotsenberg, P. I. Plotting board. 1,980,422; Nov. 13.
Messier, George L. R. J., Montrouge, France. Automatic recovery device for pneumatic suspensions. 1,980,423; Nov. 13.
Meyer, Franz, assignor to firm Carl Zeiss, Jena, Germany. Diaphragm restricting the image field in apparatus for projection with transmitted light. 1,980,492; Nov. 13.
Michel, Josef M., Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Protecting magnesium and high grade magnesian alloys from the action of corroding agents. 1,980,282; Nov. 13.
Michener, Arthur E., Bellevue, Ohio. Weighing scale. 1,980,731; Nov. 13.
Miller, Charles, Long Island City, N. Y. Boat or similar article. Des. 93,838; Nov. 13.
Miller, Julien C., assignor to Paducah Box and Basket Company, Paducah, Ky. Shipping container. 1,980,283; Nov. 13.
Miller, Kenneth C. (See Little, H. B., and Miller.)
Miller, Kenneth C., and H. B. Little, assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md. Wall covering. 1,980,347; Nov. 13.
Milwaukee Valve Company. (See Fina, Velentine, assignor.)
Mining Engineering Company Limited, The. (See Moore, Matthew S., assignor.)
Mitchell, Isaac L., Atascadero, Calif. Hot water bag attachment. 1,980,348; Nov. 13.
Mobley, William R., Miami, Fla. Propulsion means. 1,980,925; Nov. 13.
Mock, Frank C., East Orange, and C. H. Havill, South Orange, assignors to Bendix Research Corporation, East Orange, N. J. Flow meter. 1,980,761; Nov. 13.
Moffett, Ernest C., Woodbridge, N. J., assignor to American Cyanamid Company, New York, N. Y. Case hardened alloy steels. 1,980,817; Nov. 13.
Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffett.)
Mohawk Carpet Mills, Inc. (See Kellogg, W. D., Fradenburgh, and Dube, assignors.)
Möller, Waldemar, Berlin-Zehlendorf, and H. Lorenz, Berlin-Reinickendorf, Germany, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Remote revolution indicating and recording apparatus. 1,980,926; Nov. 13.
Molzahn, Walter, Chicago, Ill. Marzipan candy. Des. 93,839; Nov. 13.
Monrad, Karl J., Little Falls, N. Y. Milk dessert. 1,980,928; Nov. 13.
Monro, William L., Pittsburgh, Pa. Laminated glass. 1,980,970; Nov. 13.
Monsanto Chemical Company. (See Comte, Frederick, assignor.)
Montgomery Ward & Co. (See Falcon, Joseph V., assignor.)
Montgomery Ward & Co. (See Knapp, Leland G., assignor.)
Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Coal cutting machine and the like. 1,980,629; Nov. 13.
Moreau, Edward E., Chicago, Ill. Combination necktie rack and press. Des. 93,840; Nov. 13.
Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Light gauging apparatus. 1,980,217; Nov. 13.
Moreno-Snyder Cine Corporation, Ltd. (See Moreno, Gabriel G., assignor.)
Morgan, Leigh F., Springfield, Mass. Water heater. 1,980,424; Nov. 13.
Morgan, Leigh F., Springfield, Mass. Water heater. 1,980,425; Nov. 13.
Morgan and Wright. (See Hopkinson, Ernest, assignor.)
Morisseau, Jacques H., Paris, France. Emptying device for bathing-tubs or the like. 1,980,493; Nov. 13.
Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Coking of oil. 1,980,218; Nov. 13.
Morris, Joseph S., Bruni, Tex. Pressure release for sand testing tools. 1,980,219; Nov. 13.
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Adapter for draft regulators. 1,980,818; Nov. 13.
Morse, Jamin S., New York, N. Y. Signaling and recording system. 1,980,494; Nov. 13.
Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intermittent feed device. 1,980,220; Nov. 13.
Morton, Sterling, Chicago, H. L. Krum, Kenilworth, and E. E. Kleinschmidt, Highland Park, assignors to Teletype Corporation, Chicago, Ill. Signaling system and apparatus therefor. 1,980,284; Nov. 13.
Mosley, John H. (See Kimball, W. D., and Mosley.)
Moul, Arthur F., assignor to Samuel C. Rogers & Company, Buffalo, N. Y. Apparatus for grinding. 1,980,872; Nov. 13.
Muir, James F., Brookline, Mass. Valve. 1,980,495; Nov. 13.
Muller & Franke A. G. (See Hassel, Franz, assignor.)
Munson, Fred W. (See Newman, W. J., and Munson.)
Murphy, Edward A. (See Twiss, D. F., and Murphy.)
Musgrave, Thomas P., East Orange, N. J. System of seating. 1,980,497; Nov. 13.
Musselwhite, Harry E., assignor to L. E. Crouch and D. W. Cushman, Portland, Oreg. Low grade fuel vaporizer for internal combustion engines. 1,980,496; Nov. 13.
Nagel-Chase Mfg. Co., The. (See Nagel, Theodore, assignor.)
Nagel, Theodore, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand Des. 93,841; Nov. 13.
Nanfeldt, William, Clifton, assignor to World Bestos Corporation, Paterson, N. J. Brake lining compound and manufacturing it. 1,980,221; Nov. 13.
Napier Company, The. (See Schuelke, Emil A., assignor.)
Nasmith, John I., and W. Kirby, London, assignors to Vickers-Armstrongs Limited, Westminster, England. Stapling or discontinuous wire stitching machine. 1,980,592; Nov. 13.
Nathanson, Isidore. (See Rodstein, H., and Nathanson.)
National City Bank of Cleveland, The, et al. (See Sommer, William H., assignor.)
National Fireproofing Corporation. (See Matheny, Clarence S., assignor.)
National India Rubber Company. (See Polleys, Herbert R., assignor.)
National Smelting Company, The. (See Frost, John G. G., assignor.)
National Tube Company. (See Bark, W., and Olson, assignors.)
National Tube Company. (See Davis, Herbert, assignor.)
Neeley, Arthur W. (See Brown, A. B., and Neeley.)
Nelson, Axel. (See Nyman, Erik G., assignor.)
Nelson, Fred R., Greeneville, Tenn. Vending machine. 1,980,819; Nov. 13.
Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,820; Nov. 13.
Nevett Limited. (See Gould, F. C., and Harrison.)
Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pressure regulator for fluid pressure apparatus. 1,980,340; Nov. 13.
New Idea Spreader Company, The. (See Synck, Henry, assignor.)
New Jersey Zinc Company, The. (See Ginder, P. M., Mahler, and Cyr, assignors.)
Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,980,285; Nov. 13.
Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,980,286; Nov. 13.
Newman, J. Randolph. (See Auer, Laszlo, assignor.)
Newman, Walter J., Maplewood, and F. W. Munson, Overland, assignors to Wagner Electric Corporation, St. Louis, Mo. Balancing device. 1,980,693; Nov. 13.
Newton, Linnaeus S. (See Marquardt, C. H., Countryman, and Newton.)
Newton Steel Company. (See Fenton, Ray M., assignor.)
Nickl, Josef, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Quick-firing pistol. 1,980,874; Nov. 13.
Niederreither, Hans, Munich, Germany. Electrolyser and electric accumulator. 1,980,873; Nov. 13.
Niles Steel Products Company, The. (See Thomas, David W., assignor.)
Nisbett, George H., assignor to British Insulated Cables Limited, Lancashire, England. Application of coverings to wires applicable to the insulation of electric conductors and to other purposes. 1,980,694; Nov. 13.
Nitsche, Alfred, Chemnitz, Germany. Method for mercerizing cotton fibers. 1,980,498; Nov. 13.
Noma Electric Corporation. (See Szel, Louis, assignor.)
North Bro's M'f'g Co. (See Fegley, T. J., and Leopold, assignors.)
North, William C., Sebring, Fla. Container structure. 1,980,545; Nov. 13.
North American Chemical Company. (See Thoma, Andrew, assignor.)
North American Rayon Corporation. (See Brauer, Erich, assignor.)
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Electric induction furnace. 1,980,875; Nov. 13.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Hydraulic control for motor mountings. 1,986,541; Nov. 13.

Lehmann, Carl J. (See Lockenvitz, Wilhelm, assignor.)

Leibing, Joseph K., Schenectady, N. Y., assignor to General Electric Company. Alternating current generator. 1,980,808; Nov. 13.

Leland Electric Company, The. (See Leland, George H., assignor.)

Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Circuit controlling device for electric signs and the like. 1,980,542; Nov. 13.

Lemert, Louis W. (See Martin, C. B., and Lemert.)

Leonhard, Theodor, Wax Company. (See Hough, Arthur, assignor.)

Leopold, George O. (See Fegley, T. J., and Leopold.)

Leopold, Howard F., Chicago, Ill. Upholstering cover. 1,980,489; Nov. 13.

Leuner, Eugen. (See Zeumer, Luise, assignor.)

Levy, Stanley I., London, England. Production of ferric oxide and other metal values from pyrites. 1,980,809; Nov. 13.

Lewis Air Conditioners, Inc. (See Lewis, Carroll E., assignor.)

Lewis, Carroll E., assignor, by mesne assignments, to Lewis Air Conditioners, Inc., Minneapolis, Minn. Air conditioning and refrigeration system. 1,980,688; Nov. 13.

Lewis, Mark C., Cranford, N. J., and A. M. Lynn, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Insulating materials and preparing insulating materials. 1,980,413; Nov. 13.

Libbey-Owens-Ford Glass Company. (See Handy, Le Roy L., assignor.)

Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)

Lide, Martin J., Birmingham, Ala. Concentrator. 1,980,490; Nov. 13.

Lincoln Electric Company, The. (See Stine, Wilmer E., assignor.)

Linde Air Products Company, The. (See Hutchison, Frank C., assignor.)

Linde Air Products Company, The. (See Wagner, Robert L., assignor.)

Linden, Josef. (See Koppel, R. H., and Linden.)

Lindner, Kurt, assignor, by mesne assignments, to Oranienburger Chemische Fabrik Aktiengesellschaft, Oranienburg, Germany. Production of sulpho-acids of high molecular weight. 1,980,414; Nov. 13.

Lindsay, Harvey B., Chicago, Ill. Radiation differential thermometer. 1,980,213; Nov. 13.

Line Material Company. (See Earle, Ralph H., assignor.)

Line Material Company. (See Kyle, W. D., and Steinmayer, assignors.)

Line Material Company. (See Steinmayer, A. G., and Schultz, assignors.)

Line-O-Scribe Incorporated. (See Hagstrom, Joseph E., assignor.)

Link-Belt Company. (See Philips, William E., assignor.)

Lionel Distilled Products, Inc. (See Goldblatt, Joseph, assignor.)

Lipe, W. C., Inc. (See Fish, E. R., assignor.)

Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,832; Nov. 13.

Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,833; Nov. 13.

Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,834; Nov. 13.

Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,835; Nov. 13.

Lisle Corporation. (See Olson, Carl A., assignor.)

Little, Harold B. (See Miller, K. C., and Little.)

Little, Harold B., and K. C. Miller, assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md. Wall covering. 1,980,866; Nov. 13.

Littlefield, Mary H. (See Tice, R. S., and Littlefield.)

Ljungström, Fredrik, Lidingö, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Cooling system for internal combustion engines. 1,980,811; Nov. 13.

Llewellyn, William B., and H. Spence, assignors to Peter Spence & Sons, Limited, Manchester, England. Preparation of titanium compounds. 1,980,812; Nov. 13.

Lockenvitz, Wilhelm, Kolonie Blumenau, Berlin, assignor to C. J. Lehmann, Berlin, Germany. Sewing machine 1,980,278; Nov. 13.

Long, James W. (See Benjamin, G. R., and Long.)

Long, Oniel E., and R. C. Swigerd, Los Angeles, Calif. Fishing reel. 1,980,345; Nov. 13.

Loppacker, Albert, Bloomfield, N. J. Electric furnace. 1,980,729; Nov. 13.

Lord, Charles R., et al. (See Christie, Walter, assignor.)

Lorenz, Hubert. (See Möller, W., and Lorenz.)

Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener. 1,980,810; Nov. 13.

Ludwig, Louis, Brooklyn, N. Y. Electric heating attachment for electric fans. 1,980,689; Nov. 13.

Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electric devices. 1,980,214; Nov. 13.

Lumm, Harvey N., Dayton, Ohio, assignor to Elgin National Watch Company, Chicago, Ill. Magnetic compass. 1,980,415; Nov. 13.

Lummus Company, The. (See Coubrough, George B., assignor.)

Lurie, Ell, New York, N. Y. Wetting agents. 1,980,543; Nov. 13.

Lusse Brothers, Inc. (See Lusse, Robert J., assignor.)

Lusse, Robert J., assignor to Lusse Brothers, Inc., Philadelphia, Pa. Amusement car. 1,980,867; Nov. 13.

Lynn, Alger M. (See Lewis, M. C., and Lynn.)

Lynn, Ewing K. (See Hewitt, E. E., and Lynn.)

Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Spare tire cover construction. 1,980,690; Nov. 13.

Lyon Incorporated. (See Lyon, George A., assignor.)

Maack, Henry W. (See Eckman, H. A., and Maack.)

MacBride, Winfield B., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Grizzly. 1,980,279; Nov. 13.

MacGovern, F., Corporation. (See Colbie, Gus L., assignor.)

MacLean-Fogg Lock Nut Co. (See Rowe, Lawrence A., assignor.)

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Double carbonates of sodium and ammonium. 1,980,691; Nov. 13.

MacNicoll, Donald, Cardonald, near Glasgow, Scotland. Safety valve installation for steam generators. 1,980,591; Nov. 13.

Macomber, Glen. (See Ferris, W., and Macomber.)

Madge, Evelyn W., Stockland Green, Birmingham, England, assignor to Dunlop Rubber Company Limited. Article of rubber and making it. 1,980,813; Nov. 13.

Magnesium Development Corporation. (See Michel, Josef M., assignor.)

Maguire, Emma L. and E. S. Tracy, St. Louis, Mo. Bottle container or holder. 1,980,416; Nov. 13.

Mahler, George T. (See Ginder, P. M., Mahler, and Cyr.)

Malcom, Robert. (See Sachs, Henry M. E., assignor.)

Mall, Arthur W., Chicago, Ill. Terrazzo grinding apparatus. 1,980,491; Nov. 13.

Malmquist, Adolph K., South Bellingham, Wash., assignor to American Can Company, New York, N. Y. Canning. 1,980,417; Nov. 13.

Maltner, Carl, Offenbach-on-the-Main, Germany. Friction lighter. 1,980,868; Nov. 13.

Mannes, Leopold D., and L. Godowsky, Jr., New York, N. Y. Color photography. 1,980,941; Nov. 13.

Manning & Co. (See Snow, H. C., and Stone, assignors.)

Manning, Margia, assignor to The R. S. M. Company, Inc., Houston, Tex. Method and apparatus for cementing wells. 1,980,942; Nov. 13.

Mansson, Martin. (See Havill, C. H., and Mansson.)

Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)

Mardersteck, Carl W. (See Shanor, E. E., and Mardersteck.)

Mariani, Frank N. (See Palmer, Charles M., assignor.)

Marquardt, Carl H., and E. A. Countryman, Long Beach, and L. S. Newton, Lynwood, Calif. Rind stripper. Des. 93,836; Nov. 13.

Marsene Corporation of America. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)

Marshall, Laurence K., Cambridge, assignor to Raytheon Production Corporation, Newton, Mass. Stem. 1,980,418; Nov. 13.

Martin, Charles B., and L. W. Lemert, Bartlesville, Okla. Backing-up ring for welding. 1,980,419; Nov. 13.

Martin, John D., Fresno, Calif. Liner for grape shipping boxes. 1,980,280; Nov. 13.

Martin, John D., Fresno, Calif. Container for packing and shipping fruit. 1,980,281; Nov. 13.

Mason, George W., Chicago, Ill. Chimney draft regulator. 1,980,692; Nov. 13.

Master Metal Products, Inc. (See Geibel, John F., assignor.)

Matchette, Frank J., assignor to The Servidor Company, New York, N. Y. Door structure. 1,980,730; Nov. 13.

Matheny, Clarence S., Haydenville, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa. Making cellular clay products. 1,980,954; Nov. 13.

Mathieson Alkali Works, Inc., The. (See Hults, Eugene A., assignor.)

Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)

Matlock, Edgar L., El Paso, Tex. Aircraft construction. 1,980,869; Nov. 13.

Maughmer, Glenn F., Los Angeles, Calif., assignor to General Electric Company. Compressor plant. 1,980,814; Nov. 13.

Mauser-Werke A. G. (See Nicki, Josef, assignor.)

Max Ams Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)

Mayfield, Thomas M., El Paso, Tex. Shingle. 1,980,760; Nov. 13.

McAdams, William H., Newton, and H. C. Weber, Milton, Mass., assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 1,980,215; Nov. 13.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,980,870; Nov. 13.

McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Article sorting machine. 1,980,815; Nov. 13.

McConnell, Burt M. (See Tompkins, George, assignor.)

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake equipment. 1,980,420; Nov. 13.

McDill, Rex D., East Cleveland, Ohio. Controlling apparatus. 1,980,816; Nov. 13.

McDonald, Charles G., St. Marys, Mo. Rotary gas engine. 1,980,924; Nov. 13.

McHaffie, Ivan R. (See Duggan, H., and McHaffie.)

McLeish, William S. (See Tucker, H. W., and McLeish.)

McNamara, Patrick B. (See Blanding, Joseph E., assignor.)

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Meyer, Franz, assignor to firm Carl Zeiss, Jena, Germany. Diaphragm restricting the image field in apparatus for projection with transmitted light. 1,980,492; Nov. 13.

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Mitchell, Isaac L., Atascadero, Calif. Hot water bag attachment. 1,980,348; Nov. 13.

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Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffett.)

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Möller, Waldemar, Berlin-Zehlendorf, and H. Lorenz, Berlin-Reinickendorf, Germany, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Remote revolution indicating and recording apparatus. 1,980,926; Nov. 13.

Molzahn, Walter, Chicago, Ill. Marzipan candy. Des. 93,839; Nov. 13.

Monrad, Karl J., Little Falls, N. Y. Milk dessert. 1,980,628; Nov. 13.

Monro, William L., Pittsburgh, Pa. Laminated glass. 1,980,970; Nov. 13.

Monsanto Chemical Company. (See Comte, Frederick, assignor.)

Montgomery Ward & Co. (See Falcon, Joseph V., assignor.)

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Morris, Joseph S., Bruni, Tex. Pressure release for sand testing tools. 1,980,219; Nov. 13.

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Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intermittent feed device. 1,980,220; Nov. 13.

Morton, Sterling, Chicago, H. L. Krum, Kenilworth, and E. E. Kleinschmidt, Highland Park, assignors to Teletype Corporation, Chicago, Ill. Signaling system and apparatus therefor. 1,980,284; Nov. 13.

Mosley, John H. (See Kimball, W. D., and Mosley.)

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Muir, James F., Brookline, Mass. Valve. 1,980,495; Nov. 13.

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Nagel, Theodore, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. Des. 93,841; Nov. 13.

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Nathanson, Isidore. (See Rodstein, H., and Nathanson.)

National City Bank of Cleveland, The, et al. (See Sommer, William H., assignor.)

National Fireproofing Corporation. (See Matheny, Clarence S., assignor.)

National India Rubber Company. (See Polleys, Herbert R., assignor.)

National Smelting Company, The. (See Frost, John G. G., assignor.)

National Tube Company. (See Bark, W., and Olson, assignors.)

National Tube Company. (See Davis, Herbert, assignor.)

Neeley, Arthur W. (See Brown, A. B., and Neeley.)

Nelson, Axel. (See Nyman, Erik G., assignor.)

Nelson, Fred R., Greeneville, Tenn. Vending machine. 1,980,819; Nov. 13.

Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,820; Nov. 13.

Nevett Limited. (See Gould, F. C., and Harrison.)

Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pressure regulator for fluid pressure apparatus. 1,980,349; Nov. 13.

New Idea Spreader Company, The. (See Synck, Henry, assignor.)

New Jersey Zinc Company, The. (See Ginder, P. M., Mahler, and Cyr, assignors.)

Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,980,285; Nov. 13.

Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,980,286; Nov. 13.

Newman, J. Randolph. (See Auer, László, assignor.)

Newman, Walter J., Maplewood, and F. W. Munson, Overland, assignors to Wagner Electric Corporation, St. Louis, Mo. Balancing device. 1,980,693; Nov. 13.

Newton, Linnaeus S. (See Marquardt, C. H., Countryman, and Newton.)

Newton Steel Company. (See Fenton, Ray M., assignor.)

Nicki, Josef, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Quick-firing pistol. 1,980,874; Nov. 13.

Niederreither, Hans, Munich, Germany. Electrolyser and electric accumulator. 1,980,873; Nov. 13.

Niles Steel Products Company, The. (See Thomas, David W., assignor.)

Nisbett, George H., assignor to British Insulated Cables Limited, Lancashire, England. Application of coverings to wires applicable to the insulation of electric conductors and to other purposes. 1,980,694; Nov. 13.

Nitsche, Alfred, Chemnitz, Germany. Method for mercerizing cotton fibers. 1,980,498; Nov. 13.

Noma Electric Corporation. (See Szel, Louis, assignor.)

North Bro's M'f'g Co. (See Fegley, T. J., and Leopold, assignors.)

North, William C., Sebring, Fla. Container structure. 1,980,545; Nov. 13.

North American Chemical Company. (See Thoma, Andrew, assignor.)

North American Rayon Corporation. (See Brauer, Erich, assignor.)

Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)

Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Electric induction furnace. 1,980,875; Nov. 13.

Northwestern Barb Wire Company. (See Bradley, Albert F., assignor.)
Norton, Samuel H., Meadville, assignor to Hookless Fastener Company. Automatic slider moving device. 1,980,955; Nov. 13.
Noyes, Maxwell E., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Connecter device for hollow cables and securing connections to such cables. 1,980,426; Nov. 13.
Nyman, Erik G., Eskilstuna, Sweden, assignor to A. Nelson, Great Neck, Long Island, N. Y. Razor blade drier. 1,980,593; Nov. 13.
Oakes Products Corporation. (See Sandberg, Ray A., assignor.)
Offenbacher, Glenn. (See Kelly, William W., assignor.)
Ogden, Ashley G., Miami, Fla., assignor to General Printing Ink Corporation, New York, N. Y. Producing compositions. 1,980,287; Nov. 13.
Ogden, Thomas. (See Rasmussen, W. R., and Ogden.)
Ogush, Benjamin, assignor to Katz & Ogush, Inc., New York, N. Y. Clasp. 1,980,222; Nov. 13.
Ohio Brass Company, The. (See Sawhill, J. M., and Mead.)
Oilgear Company, The. (See Ferris, W., and Macomber, assignors.)
Okada, Hiroshi, Tokyo, Japan. Reservoir pen. 1,980,350; Nov. 13.
Okey, Perry, assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,980,956; Nov. 13.
Okonite-Callender Cable Company, Incorporated, The. (See Bennett, Charles E., assignor.)
Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,842; Nov. 13.
Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,843; Nov. 13.
Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,844; Nov. 13.
Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,845; Nov. 13.
Olson, Carl A., assignor to Lisle Corporation, Clarinda, Iowa. Cylinder ridge reamer. 1,980,288; Nov. 13.
Olson, Olof F. (See Bark, W., and Olson.)
Oranienburger Chemische Fabrik Aktiengesellschaft. (See Lindner, Kurt, assignor.)
Osterholm, William C., Oak Park, Ill. Clutch. 1,980,289; Nov. 13.
Osterman, Samuel, Brooklyn, N. Y., assignor to Guth, Stern & Co. Inc. Electric flash lamp. 1,980,351; Nov. 13.
Otte, Edgar W., Los Angeles, Calif. Bookbinder. 1,980,630; Nov. 13.
Owens, Freeman H., assignor to Wired Radio, Inc., New York, N. Y. Light valve for translation of sound effects. 1,980,223; Nov. 13.
Owens-Illinois Glass Company. (See Kinker, Clarence C., assignor.)
Overholt, John D., Wooster, Ohio. Chicken brooder house. 1,980,631; Nov. 13.
Oxweld Acetylene Company. (See Oliphant, Laurence, assignor.)
Paasche, Jens A., Wilmette, Ill. Exhaust system. 1,980,224; Nov. 13.
Package Machinery Company. (See Eubank, John T., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Paducah Box and Basket Company. (See Miller, Julien C., assignor.)
Palmer, Charles M., Brooklyn, assignor to F. N. Mariani, New York, N. Y. Smoking implement. 1,980,594; Nov. 13.
Palueff, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Cooling electrical apparatus. 1,980,821; Nov. 13.
Paramount Textile Machinery Company. (See Prosser, T. W., and Wahlbeck, assignors.)
Parisian Novelty Company. (See Komorous, Joseph, assignor.)
Parker, Arthur L., Cleveland, Ohio. Bonding composition of solder and flux and making the same. 1,980,927; Nov. 13.
Parker, Humphrey F., New York, N. Y., and B. E. House, assignors to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,980,225; Nov. 13.
Parker Pen Company, The. (See Tefft, Ivan D., assignor.)
Parker, William B., Placerville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Apparatus for use in controlling plant pests and plant diseases. 1,980,427; Nov. 13.
Parkinson, Reginald H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose or cellulose derivatives. 1,980,428; Nov. 13.
Parkinson, Reginald H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Coloration of materials made of or containing cellulose or cellulose derivatives. 1,980,429; Nov. 13.
Parry, Robert D., Northway, Neasden, England, assignor to General Electric Company, New York, N. Y. Electro-acoustic device. 1,980,957; Nov. 13.
Parsons, John H., Ridley Park, Pa. Fire escape. 1,980,595; Nov. 13.
Patent and Licensing Corporation, The. (See Fain, Jacob M., assignor.)
Patent and Licensing Corporation, The. (See Walton, Samuel F., assignor.)
Patterson, Philip D., Moseley, England, assignor to Dunlop Rubber Company Limited. Manufacture of rubber goods. 1,980,943; Nov. 13.
Paulin, Josua G., Eskilstuna, Sweden. Compensating device in measuring apparatus. 1,980,732; Nov. 13.
Peake, Edward S., Westerville, assignor to The Kilgore Mfg. Company, Waterville, Ohio. Toy weapon. 1,980,200; Nov. 13.
Pearse, Frank N., Victoria Park, Western Australia, Australia. Float controlled valve. 1,980,430; Nov. 13.
Peeples, Jasper Q., Richmond, Va. Apparatus and method for developing and gravel treating wells. 1,980,632; Nov. 13.
Pelavin, Morris, Detroit, Mich. Barber chair or the like. 1,980,291; Nov. 13.
"Pelithe" Holding A. G. (See Hübl, Josef, assignor.)
Pellegrin, Elmer D. (See Wilkinson, G. D., and Pellegrin.)
Penn Electric Switch Co. (See Henning, Malcolm E., assignor.)
Pennock, Edward M., and L. Hale, assignors to G. H. Tennant Company, Minneapolis, Minn. Bottle crate. 1,980,352; Nov. 13.
Perkins, Ivan M., Brookline, assignor to The Atlantic Refining Company, Philadelphia, Pa. Filtration. 1,980,431; Nov. 13.
Permutit Company, The. (See Applebaum, Samuel B., assignor.)
Perugia, Andre, Paris, France. Shoe. Des. 93,846; Nov. 13.
Peters, Joseph, O'Neill, Nebr. Buck rake or hay sweep. 1,980,762; Nov. 13.
Peters, Peter G., Bakersfield, Calif. Drum. 1,980,870; Nov. 13.
Petit, William H., and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Photographic camera. 1,980,546; Nov. 13.
Petroleum Iron Works Company, The. (See Shanor, E. E., and Mardersteck, assignors.)
Petroleum Rectifying Company of California. (See Garrison, M. E., and Van Loenen, assignors.)
Pfaff, George C., assignor to The Bartlett Hayward Company, Baltimore, Md. Dust quencher for water gas apparatus and the like. 1,980,499; Nov. 13.
Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Summary sheet feed for autographic registers. 1,980,353; Nov. 13.
Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Push-pull type paper sheet ejection. 1,980,354; Nov. 13.
Phelps, Alva W. (See Shippy, L. C., Phelps, and Holmes.)
Phelps Dodge Copper Products Corporation. (See Staples, Horace A., assignor.)
Philadelphia Drying Machinery Company, The. (See Belcher, Harold H., assignor.)
Phillips, William E., Chicago, Ill., assignor to Link-Belt Company. Building levees. 1,980,634; Nov. 13.
Phillips Petroleum Company. (See Schulze, W. A., and Frey, assignors.)
Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Checkwriter. 1,980,822; Nov. 13.
Pignon, Jean. (See Laforest, J., and Pignon.)
Plant, Leland G., Chicago, Ill. Gate valve seat surfacing machinery. 1,980,928; Nov. 13.
Polk, Isaac H., Monrovia, assignor, by mesne assignments, to Sunset Packing Corporation, Los Angeles, Calif. Preserving fresh fruit juices in their natural state. 1,980,695; Nov. 13.
Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Latex flowing machine. 1,980,226; Nov. 13.
Poor, Walter E., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube. 1,980,596; Nov. 13.
Post, Claude L., Chicago, Ill. Coupling. 1,980,823; Nov. 13.
Potter, Paul L., Belmont, Calif. Bathtub construction. 1,980,929; Nov. 13.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for producing musical sounds. 1,980,292; Nov. 13.
Pottier, Yves L. J., Paris, France. Wind-screen ensuring direct vision through the air. 1,980,633; Nov. 13.
Power, Henry R., assignor to The Carborundum Company, Niagara Falls, N. Y. Granular material. 1,980,432; Nov. 13.
Power, Michael J. (See Finegan, Ellwood J., assignor.)
Prahl, Frederick A., assignor to Continental Can Company, Inc., New York, N. Y. Device for dispensing lubricant from sealed containers. 1,980,434; Nov. 13.
Pratt, John G. (See Kinsella, E., Pratt, and Kelsall.)
Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
Pratt & Whitney Company. (See Raber, Robert R., assignor.)
Preddy, Howell F., San Francisco, Calif. Ice cream cone or similar article. Des. 93,847; Nov. 13.
Prescott, Frank H., Anderson, Ind., and J. M. Crawford, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starter control. 1,980,355; Nov. 13.
Price Bros., Inc. (See Hammer, Hy, assignor.)

Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Company, Chicago, Ill. Hosiery drying form. 1,980,547; Nov. 13.
Proulx, August E. (See Isola, Raymond O., assignor.)
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Oil dispensing device. 1,980,433; Nov. 13.
Putz, George, San Francisco, Calif. Beer regulating and cooling apparatus. 1,980,877; Nov. 13.
Pym, Arthur F. (See Pym, Charles F. and A. F.)
Pym, Charles F., Beverly, and A. F. Pym, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,980,435; Nov. 13.
Quinte, Michael S., Burbank, Calif. Changeable exhibitor. 1,980,548; Nov. 13.
R. S. M. Company, Inc., The. (See Manning, Margia, assignor.)
Rabaté, Jean, Paris, France, and W. B. Smits, Cassel-Wilh, Germany. Electrically heated melting pot, particularly for linotypes. 1,980,696; Nov. 13.
Raber, Robert R., West Hartford, assignor to Pratt & Whitney Company, Hartford, Conn. Hydraulically operated machine. 1,980,356; Nov. 13.
Rabey, Hagen, Chicago, Ill. Shoulder strap holder. 1,980,697; Nov. 13.
Radio Corporation of America. (See Dodge, Stephen W., Jr., assignor.)
Radio Corporation of America. (See Fredenburgh, Mark N., assignor.)
Radio Corporation of America. (See Goddard, De Witt R., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See van Steenis, Otto L., assignor.)
Raeder, Heinrich, Leverkusen-Schlebusch, Germany, assignor to General Aniline Works, Inc., New York, N. Y. C-substituted pyrimidines of the anthraquinone series. 1,980,549; Nov. 13.
Raggio, Maynard H., Chicago, Ill. Drawer device for desks and the like. 1,980,824; Nov. 13.
Randell, Harold Hickman. (See Lambert, Pierre L. V., assignor.)
Rankin William K., Lansdowne, Pa., assignor to General Electric Company. Furnace. 1,980,825; Nov. 13.
Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
Rasmussen, William R., and T. Ogden, Lynwood, Calif. Thumb guard. 1,980,035; Nov. 13.
Ray, Frank T., et al. (See Walde, Albert H., assignor.)
Raybestos-Manhattan, Inc. (See Repony, Daniel, assignor.)
Raylite Trading Company, Inc. (See Abramson, Abraham, assignor.)
Raytheon Production Corporation. (See Marshall, Laurence K., assignor.)
Reagan, Raymond W., Philadelphia, Pa. Bib. 1,980,436; Nov. 13.
Reardon, Earl T., assignor to Wagner Electric Corporation, St. Louis, Mo. Rotor for dynamo-electric machines. 1,980,698; Nov. 13.
Reed, Forrest C., Kansas City, Mo. Apparatus for the production of carbon black. 1,980,827; Nov. 13.
Reed, Harry S., and R. D. Lamie, East Lansing, Mich. Apparatus and process for distilling and treating coal and other carbonaceous materials. 1,980,828; Nov. 13.
Reed, Lewis L., Berkeley, Calif. Draft appliances for carbonated beverages. 1,980,500; Nov. 13.
Reeves, George C., assignor to Dryden Rubber Company, Chicago, Ill. Power transmission device. 1,980,437; Nov. 13.
Reich, Samuel, Brooklyn, N. Y. Collapsible egg box. 1,980,597; Nov. 13.
Reichert, Otto. (See Hagedorn, M., Gühring, and Reichert.)
Rein, John. (See Henning, L. G., and Rein.)
Reiss, Sydney, New York, N. Y. Ear cleaning implement. 1,980,826; Nov. 13.
Reliance Die & Stamping Co. (See Jacobson, Peter G., assignor.)
Renault, Henri. (See Talafré, R., and Renault.)
Renette Company. (See Blettner, George H., assignor.)
Repony, Daniel, Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction facing and composition of matter. 1,980,227; Nov. 13.
Republic Flow Meters Company. (See Engel, Friedrich V. A. E., assignor.)
Rettich, Kurt assignor to Keller Brass Company, Grand Rapids, Mich. Handle or similar article. Des. 93,848; Nov. 13.
Revertex Limited. (See Scholz, Paul, assignor.)
Reyniers, James A., South Bend, Ind. Test tube support. 1,980,930; Nov. 13.
Rhein-Scheide Gesellschaft für Ingenieurwesen m. b. H. (See Koppel, E. H., and Linden, assignors.)
Rice, Leon A., et al. (See Ames, George E., assignor.)
Richfield Oil Corporation. (See Billings, Robert E., assignor.)
Ridler, Earl S., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Purification and regeneration of platinum catalysts. 1,980,829; Nov. 13.
Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 1,980,438; Nov. 13.
Riker, Malcolm D., et al. (See Hoover, Joseph C., assignor.)
Roberts, Henry P., Brooklyn, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Mouthpiece. 1,980,293; Nov. 13.
Robinson, Archie D., Westfield, Mass. Container for dispensing fluid substances. 1,980,878; Nov. 13.
Robinson, Henry H., Los Angeles, Calif. Orifice meter fitting. 1,980,699; Nov. 13.
Robinson, Percy W., Scotia, N. Y., assignor to General Electric Company. Regenerative braking of alternating-current commutator motors. 1,980,830; Nov. 13.
Roblee, Melvin A., Clayton, Mo. Automobile. 1,980,550; Nov. 13.
Rodstein, Harry and I. Nathanson, Brooklyn, N. Y. Portable bar or similar article. Des. 93,849; Nov. 13.
Roehling, Edwin A., et al. (See Clark, Malcolm S., assignor.)
Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper roll stand. 1,980,879; Nov. 13.
Roethel, John H., Detroit, Mich. Window regulator. 1,980,501; Nov. 13.
Rogers, Frank D., Horsham, Pa., assignor to Keystone Aircraft Corporation Welding tool. 1,980,228; Nov. 13.
Rogers, Samuel C., & Company. (See Moul, Arthur F., assignor.)
Rohling, Andrew A., Bound Brook, assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 1,980,958; Nov. 13.
Rompler, Julius, Aktiengesellschaft. (See Grunzig, W., and Baumgärtel, assignors.)
Ronzoni, Angelo, New York, N. Y. Macaroni. Des. 93,850; Nov. 13.
Rosebraugh, Wilson. (See Tuck, D. H., and Rosebraugh.)
Rosen, Morris E., New York, N. Y. Electrical appliance time control. 1,980,700; Nov. 13.
Rosener, Leland S. (See Boyle, W. J., jr., and Rosener.)
Rosenfield, Edward M., New York, N. Y., assignor to Standard Electric Equipment Corporation. Electric switch or junction box. 1,980,831; Nov. 13.
Rosengarten, Mitchell G., Philadelphia, Pa. Golf practice device. 1,980,701; Nov. 13.
Ross, Frederick N., Grosse Pointe Park, and H. L. Johnson, assignors to Briggs Manufacturing Company, Detroit, Mich. Automatic stop mechanism for machines. 1,980,294; Nov. 13.
Ross Heater & Manufacturing Company, Inc. (See Graham, Harold M., assignor.)
Ross, John D., Brewer, Maine, assignor, by mesne assignments, to Burnham Boiler Corporation, Irvington, N. Y. Thermally controlled switch and the like. 1,980,439; Nov. 13.
Ross, Roderic O., Dublin, Irish Free State. Folding chairs. 1,980,551; Nov. 13.
Roth, Simon. (See Cullen, W. L., Roth, and Hoefler.)
Rothermel, Paul C., Portland, Oreg. Percolator. 1,980,931; Nov. 13.
Roumillat, Frank M., Portsmouth, Va. Torch head. 1,980,636; Nov. 13.
Rouse, H. B., & Company. (See Rouse, Harry B., assignor.)
Rouse, Harry B., assignor to H. B. Rouse & Company, Chicago, Ill. Mitering machine. 1,980,502; Nov. 13.
Rowe, Alvin V., Galesburg, Ill. Bale tie. 1,980,503; Nov. 13.
Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Spindle retainer. 1,980,357; Nov. 13.
Rowe, Lawrence A., Oak Park, assignor to MacLean-Fogg Lock Nut Co., Chicago, Ill. Card holder for railway equipment. 1,980,944; Nov. 13.
Rudolph, Corrie F. (See Gebhard, L. A., White, and Rudolph.)
Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Feed for automatic machine tools. 1,980,440; Nov. 13.
Russell, Wallace W., Kansas City, Mo. Highway guard rail. 1,980,733; Nov. 13.
Ryan, Frank P., assignor to Chrysler Corporation, Detroit, Mich. Paint striping nozzle. 1,980,552; Nov. 13.
Sachs, Henry M. E., South Bend, Ind., assignor of one-half to R. Malcom, Chicago, Ill. Multifocal lens. 1,980,880; Nov. 13.
Sadtler, Helena S., Erdenheim, Pa., assignor of one-half to H. N. Durham, Jackson Heights, N. Y. Loosening ice cubes. 1,980,734; Nov. 13.
Saforcada, Anibal J., Martinez, Argentina. Air suspension and shock absorber. 1,980,832; Nov. 13.
St. Joseph Lead Company. (See MacBride, Winfield B., assignor.)
Salisbury, Charles K., Waterloo, Iowa. Power operated tractor guide. 1,980,553; Nov. 13.
Salzberg, Bernard, New York, N. Y., assignor to Radio Corporation of America. Phototube. 1,980,702; Nov. 13.
Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous metal compounds. 1,980,441; Nov. 13.
Samuelson, Theodore E., assignor to The John Gabel Manufacturing Company, Chicago, Ill. Cabinet for phonographs or the like. Des. 93,851; Nov. 13.
Samuelson, Theodore E., assignor to The John Gabel Manufacturing Company, Chicago, Ill. Cabinet for phonographs or the like. Des. 93,852; Nov. 13.
Sandberg Ray A., Waukegan, Ill., assignor to Oakes Products Corporation, Detroit, Mich. Handle grip for levers. 1,980,703; Nov. 13.

Saponoff, Lubomir P., Brooklyn, N. Y. Making floor coverings moth repellent. 1,980,598; Nov. 13.
Saugues, Edmond, Long Island City, N. Y. Shoe. Des. 93,853; Nov. 13.
Savory, Florence, Chelsea, Mass. Educational game. 1,980,637; Nov. 13.
Sawhill, James M., Dallas, Tex., and G. A. Mead, assignors to The Ohio Brass Company, Mansfield, Ohio. Welding rod. 1,980,229; Nov. 13.
Schaum, Otto, W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Spindle swing for twisting machines. 1,980,358; Nov. 13.
Scheuchzer, Auguste, Renens, Switzerland. Ballast tamping machine. 1,980,704; Nov. 13.
Schening, Georg, and L. Winterhalder, assignors to firm of C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Making hydrogenation products of ketones of the pyridine and piperidine series. 1,980,638; Nov. 13.
Schicht, Heinrich, Huckeswagen, assignor to the Firm W. Ferd. Klingelnberg Sohne, Remscheid, Berghausen, Germany. Method of and device for producing conjugate worm gearings. 1,980,554; Nov. 13.
Schlesinger, Alfred, Berlin, Germany. Inking apparatus and operating the same. 1,980,639; Nov. 13.
Schmohl, Alfred C., Beaver Falls, assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Car coupler. 1,980,442; Nov. 13.
Schneider, George. (See Dreyfus, C., and Schneider.)
Schneider, Georg, Essen, Germany. Drinking trough for animals. 1,980,640; Nov. 13.
Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Striker for latches. 1,980,295; Nov. 13.
Scholz, Paul, Frankfort-on-the-Main, Germany, assignor to Revertex Limited, London, England. Production of rubber latex concentrates. 1,980,599; Nov. 13.
Schottland, Michael R., Martinsville, Va. Glass-grinding machines. 1,980,932; Nov. 13.
Schreiber, Otto, Neunkirchen, Kreis Siegen, Germany. Dust exhausting apparatus. 1,980,763; Nov. 13.
Schuelke, Emil A., assignor to The Napier Company, Meriden, Conn. Combined coffee pot, cream pitcher, and sugar container. Des. 93,854; Nov. 13.
Schultz, Oswald R., New York, N. Y. Making intaglio printing plates. 1,980,443; Nov. 13.
Schultz, William O. (See Steinmayer, A. G., and Schultz.)
Schultze, Guido, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial mass. 1,980,959; Nov. 13.
Schulz, Arthur P. (See Teller, J., and Schulz, assignors.)
Schulze, Walter A., and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Treating oils with an alkaline sulphide. 1,980,555; Nov. 13.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of waterlaid fibrous webs. 1,980,881; Nov. 13.
Scofield, Theodore J., A. C. Gregoroff, F. W. Billig, and W. Sparks, assignors to The Sparks-Withington Company, Jackson, Mich. Warning signal. 1,980,296; Nov. 13.
Scott, George R., Norfolk, Va. Producing hobs. 1,980,444; Nov. 13.
Scott, Harry E., Cleveland Heights, assignor to The Thew Shovel Company, Lorain, Ohio. Hoisting mechanism. 1,980,297; Nov. 13.
See, Alva B., Greenwich, Conn., assignor to A. B. See Elevator Company, Inc. Elevator. 1,980,230; Nov. 13.
Sée, Jacque, and L. Huot, assignors of one-half to Etablissements Hutchinson and one-half to Le Materiel Special L. M. S., Paris, France. Hydraulic pressure device for rolling mills. 1,980,882; Nov. 13.
Seifferle, Oliver, assignor to International Air Brake Control Company, Portland, Oreg. Pressure control device for air brake mechanism. 1,980,504; Nov. 13.
Service Recorder Company, The. (See Cool, Henry R., assignor.)
Servidor Company, The. (See Matchette, Frank J., assignor.)
Sever, William, Bramhope, near Leeds, England. Device for measuring the lengths of fibers or filaments. 1,980,883; Nov. 13.
Severus, Louis. (See Brosilow, L., and Severus.)
Shaner, Edgar E., and C. W. Marderstock, assignors to The Petroleum Iron Works Company, Sharon, Pa. Making shipping drums. 1,980,960; Nov. 13.
Shapiro, Isaac, et al. (See Balton, James, assignor.)
Shapiro, Joseph, et al. (See Balton, James, assignor.)
Shapiro, Nathan, et al. (See Balton, James, assignor.)
Shapiro, Samuel. (See Balton, James, assignor.)
Sheller, Samuel H., Marion, Pa., assignor of one-half to G. R. Hamlin, Washington, D. C. Machine for fastening covers to fruit baskets. 1,980,764; Nov. 13.
Sherover, Max, New York, N. Y. Mattress. 1,980,445; Nov. 13.
Shippy, Leo C., A. W. Phelps, and J. Q. Holmes, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Metal cutting machine. 1,980,359; Nov. 13.
Sidney, William E., Pittsburgh, Pa. Drafting device. 1,980,884; Nov. 13.
Siemens-Schuckertwerke Aktiengesellschaft. (See Weimers, Wilhelm, assignor.)
Sigoda, Victor J., Brooklyn, N. Y. Intermediate course hemstitching and sewing machine attachments for producing the same. 1,980,705; Nov. 13.
Simons, Frank K., St. Davids, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Coupling. 1,980,933; Nov. 13.
Simonds Worden White Company. (See Gloyd, Frank M., assignor.)
Simning, Roy B., Minneapolis, Minn. Vehicle transport. 1,980,298; Nov. 13.
Simpson, Alden H., Springfield, Mass. Vehicle shock absorbing apparatus. 1,980,934; Nov. 13.
Sims, Alfred V., Brooklyn, N. Y. Valve. 1,980,833; Nov. 13.
Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
Sintich, Victor, Dresden-Weisser Hirsch, Germany. Photographic surveying apparatus. 1,980,556; Nov. 13.
Sirian Lamp Company. (See Heany, John A., assignor.)
Slee, Arthur L. (See Ertola, C. A., and Slee.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Car puller. 1,980,231; Nov. 13.
Sloper, Alfred G., Wagga Wagga, New South Wales, Australia. Roof framing tool. 1,980,765; Nov. 13.
Slye, Edward A., Burnside, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter. 1,980,232; Nov. 13.
Small, Lyndon F., Charlottesville, Va., assignor to The Government of the United States, represented by the Secretary of the Treasury. Morphine derivative and its preparation. 1,980,972; Nov. 13.
Smith, Charles James, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for drying or conditioning articles. 1,980,360; Nov. 13.
Smith, George C., Hamilton, Ontario, Canada. Heating system. 1,980,299; Nov. 13.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, James F., Longview, Wash. Chipper knife. 1,980,885; Nov. 13.
Smith, John E., Plainfield, N. J. Apparatus for making coffee infusions and the like. 1,980,735; Nov. 13.
Smith, Lawrence C., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Apparatus for cooling beverages. 1,980,945; Nov. 13.
Smith, Lewis R. (See Anderson, G. Albert, assignor.)
Smith, Reuben T., Newton, Miss. Intermittent cycling switch for electrical circuits. 1,980,766; Nov. 13.
Smith, Wray B., Atlanta, Ga. Refrigerator vehicle body. 1,980,446; Nov. 13.
Smith's, John E., Sons Company. (See Van Hooydonk, Adrian C., assignor.)
Smits, Wytze B. (See Babaté, J., and Smits.)
Snader, Howard B., Reading, Pa. Brassière. 1,980,767; Nov. 13.
Snitzer, Louis, Los Angeles, Calif. Garment hanger. 1,980,557; Nov. 13.
Snow, Herbert C., and A. A. Stone, Auburn, Ind., assignors to Manning & Co., Chicago, Ill. Automotive transmission. 1,980,505; Nov. 13.
Société Anonyme des Ateliers d'Aviation Louis Breguet. (See Bréguet, Louis, assignor.)
Société Anonyme: Société des Freins Hydrauliques S. do Lavaud. (See Brisson, Louis C., assignor.)
Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Coating iron or steel sheets with a protective metallic coating. 1,980,961; Nov. 13.
Sparks, William. (See Scofield, T. J., Gregoroff, Billig, and Sparks.)
Sparks-Withington Company, The. (See Kayko, C. J., and Stoll, assignors.)
Sparks-Withington Company, The. (See Scofield, T. J., Gregoroff, Billig, and Sparks, assignors.)
Spear, Lambert E., assignor to Blue Moon Cheese Products, Inc., Minneapolis, Minn. Apparatus for forming, filling, and closing containers. 1,980,361; Nov. 13.
Specht, Harry G., Montclair, assignor to Eastwood Wire Corporation, Belleville, N. J. Lubricated gate valve. 1,980,768; Nov. 13.
Specter, Elias, et al. (See Drexler, Samuel, assignor.)
Speidel, Willy. (See Andorff, F., and Speidel.)
Spence, Howard. (See Llewellyn, W. B., and Spence.)
Spence, Peter, & Sons, Limited. (See Llewellyn, W. B., and Spence, assignors.)
Sperling, Frank M., Bristol, Pa. Copyholder. 1,980,300; Nov. 13.
Sperry, Edward G., executor. (See Sperry, Elmer A.)
Sperry, Elmer A., deceased, by E. G. Sperry, executor, Brooklyn, N. Y., assignor to Sperry Products, Inc. Track recorder system. 1,980,706; Nov. 13.
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Sperry Products, Inc. (See Sperry, Elmer A., assignor.)
Spoor, George K., assignor to Spoor Natural Vision Corporation, Chicago, Ill. Motion picture projection machine. 1,980,600; Nov. 13.
Spoor Natural Vision Corporation. (See Spoor, George K., assignor.)
Sprague Specialties Company. (See Danziger, Harold I., assignor.)
Square D Company. (See Jenkins, Paul S., assignor.) 1,980,834; Nov. 13.
Squires, John, Hagerstown, Md. Making a propeller.

Stahl, Frank E., Tonawanda, N. Y. Electric welding machine. 1,980,935; Nov. 13.
Stahl, Frank E., assignor to The Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Buckle plate. 1,980,362; Nov. 13.
Standard Electric Equipment Corporation. (See Rosenfield, Edward M., assignor.)
Standard-Knapp Corporation. (See Kimball, W. D., and Mosley, assignors.)
Standard Oil Company, The. (See Burk, R. E., and Lankelma, assignors.)
Standard Oil Company. (See Chenicek, George W., assignor.)
Standard Oil Company. (See Voorhees, V., and Anderson, assignors.)
Standard Oil Company (Indiana). (See Brown, A. B., and Neeley, assignors.)
Stansbury, Carroll, Wauwatosa, and G. C. Brown, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 1,980,707; Nov. 13.
Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Making electrical conductors. 1,980,363; Nov. 13.
Starrett Building Company, et al. (See Clark, Malcolm S., assignor.)
Steel Heddle Manufacturing Company. (See Hassold, Victor C., assignor.)
Steinmayer, Alwin G. (See Kyle, W. D., and Steinmayer.)
Steinmayer, Alwin G., Milwaukee, and W. O. Schultz, assignors to Line Material Company, South Milwaukee, Wis. Oil fuse. 1,980,506; Nov. 13.
Stevens, J. & E., Company, The. (See Frisbie, Russell A., assignor.)
Stewart, William A., Helena, Mont. Oil heater. 1,980,301; Nov. 13.
Stickel, Charles W., assignor to Walton Products Company, Rochester, N. Y. Outboard motor starter. 1,980,601; Nov. 13.
Stine, Wilmer E., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding apparatus. 1,980,447; Nov. 13.
Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Suspension joint. 1,980,448; Nov. 13.
Stoll, Paul A. (See Kayko, C. J., and Stoll.)
Stone, Albert A., Deptford, London, England. Article feeder for packing machines. 1,980,641; Nov. 13.
Stone, Arthur A. (See Snow, H. C. and Stone.)
Stout, William B., Detroit, Mich. Airplane. 1,980,233; Nov. 13.
Straus, Harry H. (See Grupe, William F., assignor.)
Subkow, Philip. (See Gard, E. W., and Subkow.)
Suhr, Frederic J., New York N. Y., assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Recording instrument. Des. 93,855; Nov. 13.
Sundbind, Oskar E. B., and B. A. Grahn, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Fluid fuel burner. 1,980,449; Nov. 13.
Sunset Packing Corporation. (See Polk, Isaac H., assignor.)
Super Mold Corporation. (See Woock, Herbert J., assignor.)
Svenska Ackumulator Aktiebolaget Jungner. (See Gustafsson, Nils G. A., assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Eskilson, S. A., and Johanson, assignors.)
Swigerd, Robert C. (See Long, O. E., and Swigerd.)
Symington Company, The. (See Barrows, Donald S., assignor.)
Symmonds Charles J., Chevy Chase, Md. Article of furniture of the folding type. 1,980,450; Nov. 13.
Synchrome Corporation. (See Wright, Walter L., assignor.)
Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Hay loader. 1,980,835; Nov. 13.
Syracuse Trust Company, The. (See Axe, Roy T., assignor.)
Szel, Louis, Toronto Ontario, Canada, assignor to Noma Electric Corporation, New York, N. Y. Decorative illuminated device. 1,980,708; Nov. 13.
Tazit Company, The. (See Borchert, William and F. L., assignor.)
Talafré, Rémi, Paris, and H. Renault, LeGarenne-Colombes, France. Device indicating the flying attitude of aircraft. 1,980,886; Nov. 13.
Tandel, Karl F., assignor to C. G. Haubold A.-G., Chemnitz, Germany. Drying of fabrics. 1,980,558; Nov. 13.
Tanfield, James W., Jersey City, N. J. Paste tube cap. 1,980,642; Nov. 13.
Tausik, Adolph, New York, N. Y. Handkerchief and tie set and making same. 1,980,507; Nov. 13.
Taylor, Fred L., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tube joint. 1,980,451; Nov. 13.
Taylor, Henry P., Winston-Salem, N. C. Adjustable movable knife for lump presses. 1,980,887; Nov. 13.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Taylor, James W., Denton, Tex. Fishing line float. 1,980,302; Nov. 13.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the production of artificial threads or like products. 1,980,234; Nov. 13.
Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen filling device. 1,980,508; Nov. 13.
Teletype Corporation. (See Morton, S., Krum, and Kleinschmidt, assignors.)
Teller, Jacob, New Rochelle, and A. P. Schulz, assignors to Teller Stove Designing Corporation, New York, N. Y. Range construction. 1,980,769; Nov. 13.
Teller Stove Designing Corporation. (See Teller, J., and Schulz, assignors.)
Tennant, G. H., Company. (See Pennock, E. M., and Hale, assignors.)
Ternstedt Manufacturing Company. (See Schnell, William, assignor.)
Teves, Alfred. (See Engel, Ernest, assignor.)
Teves, Alfred, Company. (See Engel, Ernest, assignor.)
Texas Company, The. (See Wehre, Joseph B., assignor.)
Thew Shovel Company, The. (See Scott, Harry E., assignor.)
Thinius, Kurt. (See Welhe, A., and Thinius.)
Thoma, Andrew, assignor to North American Chemical Company, Cambridge, Mass. Shoe bottom filling apparatus. 1,980,946; Nov. 13.
Thomas, Adolph A., New York, N. Y. Piezo-electric transmitter and recorder. 1,980,888; Nov. 13.
Thomas, Adolph A., New York, N. Y., assignor to American Telephone and Telegraph Company. Acoustic diaphragm. 1,980,235; Nov. 13.
Thomas, David W., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Pipe protector. 1,980,364; Nov. 13.
Thomas, Rosswell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Gas mixing apparatus. 1,980,770; Nov. 13.
Thompson, Arthur S., Ontario, Calif. Vehicle body construction. 1,980,559; Nov. 13.
Thompson, Jennie B., Pasadena, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Plum. Pl. Pt. 111; Nov. 13.
Thompson Products, Incorporated. (See Colwell, Archie T., assignor.)
Thompson, Rutherford E., Des Moines, Iowa. Awning door. 1,980,303; Nov. 13.
Thomson, George M., Caledonia, Ontario, Canada. Heat insulating material. 1,980,889; Nov. 13.
Thyssen, Gustav, Krefeld-Forsthaus, Germany. Duplicating block. 1,980,560; Nov. 13.
Tibbetts, Cyrus R., Los Angeles, Calif. Paint mixer. 1,980,643; Nov. 13.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Slack adjuster. 1,980,771; Nov. 13.
Tice, Reuben S., and M. H. Littlefield, Monterey, Calif; said Tice assignor to said Littlefield. Fishing method and apparatus. 1,980,452; Nov. 13.
Timm, Paul C. and W. P., Lincoln, Nebr. Furnace heat regulator. 1,980,836; Nov. 13.
Timm, William P. (See Timm, Paul C. and W. P.)
Titmus Optical Company, Inc. (See Haering, Carl G., assignor.)
Tokheim Oil Tank and Pump Company. (See Bechtold, Reuben E., assignor.)
Tompkins, George, Wollaston, Mass., assignor of one-half to B. M. McConnell, New York, N. Y. Ready-to-solder wire. 1,980,890; Nov. 13.
Toniatti, Theodore F., Modesto, Calif. Tray cleaner. 1,980,602; Nov. 13.
Tonnar, Paul B., Cleveland, Ohio. Firing port. 1,980,891; Nov. 13.
Torigian, John, Queens Village, assignor to The Drug Products Co. Inc., Long Island City, N. Y. Making aqueous soluble colloidal sulphur isotonic and injectable solution produced thereby. 1,980,236; Nov. 13.
Tournat, Waldo E. (See King, LeR. M., and Tournat.)
Tozer, Charles W. (See Addy, R., Gill, and Tozer.)
Tracy, Edwin S. (See Maquire, E. L., and Tracy.)
Tracy, Nelson, Carman, Manitoba, Canada. Grain hulling machine. 1,980,837; Nov. 13.
Traill, William A., Westmount, Quebec, Canada. Direction indicator. 1,980,772; Nov. 13.
Trans-Lux Daylight Picture Screen Corporation. (See Newman, David F., assignor.)
Trbojevich, Nikola, Detroit, Mich. Worm gearing. 1,980,237; Nov. 13.
Trofimov, Lev A., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electroresponsive device and apparatus. 1,980,736; Nov. 13.
Tuck, Davis H., Norwalk, Conn., and W. Rosebraugh, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Lighting unit. 1,980,773; Nov. 13.
Tuck, George A., assignor to Atlas Heating and Ventilating Co., Ltd., San Francisco, Calif. Temperature responsive device. 1,980,509; Nov. 13.
Tucker, Harry W., Shaker Heights, Ohio, and W. S. McLeish, New York, N. Y. Ornamental display device. 1,980,453; Nov. 13.
Turner, Ransom H., Little Neck, assignor to Intertype Corporation, Brooklyn, N. Y. Line casting machine. 1,980,962; Nov. 13.
Tussaud, Gabriel P., Rickmansworth, England, assignor, by mesne assignments, to A. R. Boyd, New York, N.Y. Treating fat and oil-bearing seed products. 1,980,838; Nov. 13.

Twiss, Douglas F., Wylde Green, and E. A. Murphy, Erdington, assignors to Dunlop Rubber Company, Limited, Birmingham, England. Manufacture of goods of or containing rubber or the like. 1,980,774; Nov. 13.
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Oil Company of California. (See Gard, E. W., and Subkow, assignors.)
United American Bosch Corporation. (See Berglund, Nils, assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Shoe Machinery Corporation. (See Barton, Frank, assignor.)
United Shoe Machinery Corporation. (See Bessom, Earl A., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Jones, Charles T., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United Shoe Machinery Corporation. (See Pym, C. F. and A. F., assignors.)
United Shoe Machinery Corporation. (See Smith, Charles J., assignor.)
United States Appliance Corporation. (See Davis, William H. H., assignor.)
United States, Government of the. (See Small, Lyndon F., assignor.)
United States Rubber Company. (See Avery, William L., assignor.)
Universal Draft Gear Attachment Company. (See Kinsman, Charles C., assignor.)
Universal Oil Products Company. (See Davis, Richard F., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See McAdams, W. H., and Weber, assignors.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
University of Michigan, Regents of the. (See Blicke, Frederick F., assignor.)
Upham, Gilbert R., Churchville, assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Eyelet tape. 1,980,238; Nov. 13.
Utili-Tong, Inc. (See Ackerson, Alfred H., assignor.)
Van Alstyne, Bonnie E., San Francisco, Calif. Copyholder. 1,980,709; Nov. 13.
Vanderhoff, Russell E. (See Weber, M. J., and Vanderhoff.)
Vanderveer, Jewell W., Syracuse, N. Y., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel. 1,980,710; Nov. 13.
Vandervoort, Francis M., assignor to The White Motor Company, Cleveland, Ohio. Gear shifting mechanism. 1,980,044; Nov. 13.
Van Doren, Harold L., Toledo, assignor to The Champion Hardware Company, Geneva, Ohio. Hinge for screen doors and the like. Des. 93,856; Nov. 13.
Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Meat cutting machine. 1,980,304; Nov. 13.
Van Loenen, William F. (See Garrison, M. E., and Van Loenen.)
Van Steenis, Otto L., Eindhoven, Netherlands, assignor to Radio Corporation of America. Electron discharge tube. 1,980,936; Nov. 13.
Varaud, André, Geneva, Switzerland. Machine for timing time fuses for artillery projectiles. 1,980,892; Nov. 13.
Vaughan, William J., et al. (See Ames, George E., assignor.)
Veeder-Root Incorporated. (See Slye, Edward A., assignor.)
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Temperature controlling means. 1,980,454; Nov. 13.
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Valve for feed water regulators. 1,980,455; Nov. 13.
Venzie, Edmond F., assignor to F. M. Venzie, Philadelphia, Pa. Building construction. 1,980,645; Nov. 13.
Voge, Charles J., Chicago, Ill. Battery ignition system.
Venzie, Frederick M. (See Venzie, Edmond F., assignor.)
Vetter, William, Patchogue, N. Y. Plant support for greenhouse benches. 1,980,239; Nov. 13.
Vickerilla, John J., Paterson, N. J. Vehicle wheel hub cap. 1,980,646; Nov. 13.
Vickers-Armstrongs Limited. (See Nasmith, J. I., and Kirby, assignors.)
Viveiros, Bento A., Cambridge, Mass. Submarine life saving apparatus. 1,980,647; Nov. 13.
Voge, Charles J., Chicago, Ill. Battery ignition system. 1,980,648; Nov. 13.
Volta G. m. b. H. (See Egger, Leopold, assignor.)
Von Thien, Theodore, Nyack, assignor to Robert Gair Company, Inc., New York, N. Y. Method and apparatus for making cartons. 1,980,604; Nov. 13.
Voorhees, Vanderveer, Hammond, Ind., and J. A. Anderson, assignors to Standard Oil Company, Chicago, Ill. Lubricating oil process. 1,980,649; Nov. 13.
Vouch, Stephen J., Erie, Pa., assignor to General Electric Company. Excitation system for dynamo-electric machines. 1,980,775; Nov. 13.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. Des. 93,857; Nov. 13.
Wade, John H., Fairfield, Conn. Apparatus for pasteurizing milk. 1,980,605; Nov. 13.
Wagner Electric Corporation. (See Newman, W. J., and Munson, assignors.)
Wagner Electric Corporation. (See Reardon, Earl T., assignor.)
Wagner, Hugh K. (See Clarke, Joseph W., assignor.)
Wagner, Robert L., Astoria, N. Y., assignor to The Linde Air Products Company. Welded joint. 1,980,561; Nov. 13.
Wahl Company, The. (See Back, Robert, assignor.)
Wahlbeck, John H. (See Prosser, T. W., and Wahlbeck.)
Walde, Albert H., Roxborough, assignor of one-third to F. T. Ray and one-third to C. C. Williams, Philadelphia, Pa. Cable connecter for storage batteries. 1,980,893; Nov. 13.
Walker, Alfred P., jr., Pelham Manor, assignor, by mesne assignments, to Burnham Boiler Corporation, Irvington, N. Y. Electromagnetically operated switch. 1,980,456; Nov. 13.
Walker, George M., assignor to M. D. Johnson, Nashville, Tenn. Planting implement. 1,980,562; Nov. 13.
Walker, William J., jr., Philadelphia, Pa. Cigarette. 1,980,563; Nov. 13.
Walton Products Company. (See Ttickel, Charles W., assignor.)
Walton, Samuel F., Hamburg, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Nonweathering glazed aggregate and preparing the same. Re19,372; Nov. 13.
Warner Bros. Pictures, Inc. (See Gibbons, James A., assignor.)
Warner Bros. Pictures, Inc. (See Koenekamp, Hans F., assignor.)
Warner, Jerome, Buffalo, N. Y. Display box. 1,980,776; Nov. 13.
Warren, S. D., Company. (See Lebel, Stanislas, assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing safety glass. 1,980,510; Nov. 13.
Weaver, Allan, Fort Washington, N. Y., assignor to American Telephone and Telegraph Company. Telegraph switching system. 1,980,305; Nov. 13.
Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tandem sewing machine outfit. 1,980,603; Nov. 13.
Webber, Leonard M., Los Angeles, Calif. Book or book cover supporting device. 1,980,650; Nov. 13.
Weber, Harold C. (See McAdams, W. H., and Weber.)
Weber, Mathias J., and R. E. Vanderhoff, assignors to Continental Scale Works, Chicago, Ill. Weighing scale. Des. 93,858; Nov. 13.
Webre, Joseph B., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Process of and apparatus for cracking hydrocarbon oils. 1,980,830; Nov. 13.
Weihe, Adolf, and K. Thinius, assignors to Deutsche Celluloid-Fabrik, Eilenburg in Sachsen, Germany. Mixed cellulose esters. 1,980,306; Nov. 13.
Weimers, Wilhelm, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric drive for domestic utility devices. 1,980,651; Nov. 13.
Weir, G. & J., Limited. (See Dight, Sydney R., assignor.)
Wellington Machine Company, The. (See Gannett, Chauncey W., assignor.)
Wenger, Wiley D., Shenandoah, Iowa. Phonograph needle. 1,980,511; Nov. 13.
Wentworth, Rollins. (See Dirkes, R. F., and Wentworth.)
Werner, Calvin J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch. 1,980,457; Nov. 13.
Westerfelhaus, Raymond, assignor to Frank Adam Electric Co., St. Louis, Mo. Latched-in contactor relay. 1,980,458; Nov. 13.
Western Electric Company, Incorporated. (See Bedford, L. H., and Coveney, assignors.)
Western Electric Company, Incorporated. (See Davis, William R., assignor.)
Western Electric Company, Incorporated. (See Lewis, M. C., and Lynn, assignors.)
Western Union Telegraph Company, The. (See Benjamin, G. R., and Long, assignors.)
Western Union Telegraph Company, The. (See Dirkes, R. F., and Wentworth, assignors.)
Westinghouse Air Brake Company, The. (See Cook, Earle S., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, E. E., and Lynn, assignors.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
Wetzel, Charles H., Wayne, Pa. Folding grandstand. Re19,373; Nov. 13.
White, Edwin L. (See Gebhard, L. A., White, and Rudolph.)

White, Edwin L., Chevy Chase, Md. Method and apparatus for controlling mercury arc rectifiers. 1,980,459; Nov. 13.
White, Harlan B., assignor to White Wood Products Company, Bogalusa, La. Ironing table. 1,980,894; Nov. 13.
White, John W., Detroit, Mich. Vehicle brake. 1,980,512; Nov. 13.
White Motors Company, The. (See Vandervoort, Francis M., assignor.)
White, Sanford E., Santa Monica, Calif. Adjustable spray nozzle. 1,980,460; Nov. 13.
White Wood Products Company. (See White, Harlan B., assignor.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Method of and apparatus for dry spinning. 1,980,240; Nov. 13.
Widmer, Stafan, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Arcing frequency changing system. 1,980,461; Nov. 13.
Wiezel, Rudolph F., Liverpool, and H. G. Berberich, Syracuse, N. Y. Basket ball goal indicator. 1,980,652; Nov. 13.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Upsetting mechanism. 1,980,653; Nov. 13.
Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,980,365; Nov. 13.
Wilkinson, George D., Oak Park, and E. D. Pellegrin, Des Plaines, assignors to Cribben & Sexton Company, Chicago, Ill. Range. 1,980,307; Nov. 13.
Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Tunnel liner. 1,980,963; Nov. 13
Willett, Moses, assignor to Federal Tin Company, Inc., Baltimore, Md. Method of and machine for combining box parts. 1,980,871; Nov. 13.
Williams, Alfred O. (See Burrows, R. J., and Williams.)
Williams, Charles C., et al. (See Walde, Albert H., assignor.)
Willshaw, Harry, Sutton Coldfield, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Joining rubber articles. 1,980,564; Nov. 13.
Wilson, Alexander, and S. G. Brick, East Liverpool, Ohio. Pocket envelope and making same. 1,980,241; Nov. 13.
Wilson, H. A., Company, The. (See Holbrook, Henry E., assignor.)
Wilson-Western Sporting Goods Company. (See Jansky, Charles G., assignor.)
Windecker, Charles E., Painesville, Ohio. Car. 1,980,805; Nov. 13.
Windecker, Clifton N., Painesville, Ohio. Clarifying chlorinated solutions. 1,980,806; Nov. 13.
Winings, Willie E., Arthur, Ill. Road machine. 1,980,807; Nov. 13.
Winterhalder, Ludwig. (See Scheuing, G., and Winterhalder.)
Wired Radio, Inc. (See Gebhard, Louis A., assignor.)
Wired Radio, Inc. (See Gebhard, L. A., White, and Rudolph, assignors.)
Wired Radio, Inc. (See Owens, Freeman H., assignor.)
Wiswell, Ozro N., Los Angeles, Calif. Can opener. Des. 93,859; Nov. 13.
Wohl Shoe Company. (See Lipscomb, Vergil C., assignor.)
Wolf, Rudolf, St. Thomas, Virgin Islands. Rabbet plane. 1,980,737; Nov. 13.
Wolpert, Frederick S., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,980,242; Nov. 13.
Wolters, Carl F., Buffalo, N. Y. Visible card index cabinet. Des. 93,860; Nov. 13.
Woock, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Securing a reenforcing liner in a tire. 1,980,565; Nov. 13.
Wood, Andrew M., Miri, Sarawak, Borneo. Cracking of petroleum vapors. 1,980,462; Nov. 13.
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Refrigerator container for container cars. 1,980,738; Nov. 13.
World Bestos Corporation. (See Nanfeldt, William, assignor.)
Worsdall, Horace, Bedford, assignor to himself and J. C. and A. Harvey, London, England. Electrical mercury cut-out. 1,980,243; Nov. 13.
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright, Arthur, Upper Montclair, N. J. Waste disposal. 1,980,244; Nov. 13.
Wright, Daniel K., and A. Greiner, Cleveland Heights, Ohio, assignors to General Electric Company. Seal for electric lamps and similar articles. 1,980,840; Nov. 13.
Wright, Henry H., Upper Montclair, N. J., assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Container. 1,980,566; Nov. 13.
Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles, Calif. Film-handling mechanism. 1,980,463; Nov. 13.
Wuest, Elmer T., Cincinnati, Ohio. Preparing machine. 1,980,841; Nov. 13.
Yates, Rex E. (See Clark, G. H., and Yates.)
Yedd, Guy A., Oakland, Calif. Paint spraying apparatus. 1,980,464; Nov. 13.
Youngstown Sheet & Tube Company, The. (See Adams, James L., jr., assignor.)
Youngstown Steel Car Corporation. (See Wilkoff, Arthur E., assignor.)
Zegoray, Bogislavs, New York, N. Y. Shoe. Des. 93,861; Nov. 13.
Zeiss, Carl, Firm. (See Bauersfeld, Walther, assignor.)
Zeiss, Carl, Firm. (See Meyer, Franz, assignor.)
Zeumer, Luise, geb. Kiefher, Karlsruhe in Baden, Germany, assignor to E. Leuner, Zurich, Switzerland. Puzzle lock. 1,980,513; Nov. 13.
Zollinger, John, Oakhurst, N. J. Supporting means for conveyer belts. 1,980,777; Nov. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Absorbent low in salts and free from acid, Preparing. D. S. Belden and W. Kelley. 1,980,569; Nov. 13.
Absorption refrigerating system. O. Johnson. 1,980,531; Nov. 13.
Accordion case. A. C. Gelb. Des. 93,820; Nov. 13.
Acid esters, Purification of aliphatic monocarboxylic. W. J. Bannister and I. J. Krchma. 1,980,711; Nov. 13.
Acidproof heater bar. F. M. Gloyd. 1,980,481; Nov. 13.
Acoustic diaphragm. A. A. Thomas. 1,980,235; Nov. 13.
Adapter for draft regulators. C. H. Morrow. 1,980,818; Nov. 13.
Aggregate and preparing the same, Nonweathering glazed. S. F. Walton. Re19,372; Nov. 13.
Air conditioning and refrigeration system. C. E. Lewis. 1,980,688; Nov. 13.
Aircraft construction. E. L. Matlock. 1,980,869; Nov. 13.
Aircraft, Device indicating the flying attitude of. R. Talafré and H. Renault. 1,980,886; Nov. 13.
Airplane. W. B. Stout. 1,980,233; Nov. 13.
Air suspension and shock absorber. A. J. Safordada. 1,980,832; Nov. 13.
Alkylphenols and producing the same, Substituted. F. F. Blicke. 1,980,966; Nov. 13.
Alloy. H. E. Holbrook. 1,980,801; Nov. 13.
Alloy steels, Case hardened. E. C. Moffett. 1,980,817; Nov. 13.
Alternating current generator. B. D. Bedford. 1,980,899; Nov. 13.
Alternating current generator. J. K. Leibing. 1,980,808; Nov. 13.
Aluminum, Smelting. J. G. G. Frost. 1,980 263; Nov. 13.
Animal-slaughtering apparatus. W. G. Graham. 1,980,679; Nov. 13.
Antiskid device. H. B. Gillette. 1,980,265; Nov. 13.
Aqueous dispersions. J. M. Fain. 1,980,192; Nov. 13.
Arcing frequency changing system. S. Widmer. 1,980,461; Nov. 13.
Article-collecting device. W. D. Kimball and J. H. Mosley. 1,980,411; Nov. 13.
Article feeder for packing machines. A. A. Stone. 1,980,641; Nov. 13.
Article of rubber and making it. E. W. Madge. 1,980 813; Nov. 13.
Article sorting machine. D. M. McBean. 1,980,815; Nov. 13.
Articles, Apparatus for drying or conditioning. C. J. Smith. 1,980,360; Nov. 13.
Artificial mass. G. Schultze. 1,980,959; Nov. 13.
Atomizer. F. A. Vuillemenot. Des. 93,857; Nov. 13.
Auto tire sign, Electric glass. L. H. Coble. Des. 93,815; Nov. 13.
Automobile. R. E. Billings. Des. 93,811; Nov. 13.
Automobile. M. A. Roblee. 1,980,550; Nov. 13.
Automobile wheel. D. Barreres. 1,980 314; Nov. 13.
β,γ-hydroxypropyloxyalkylamino benzenes and the γ-alkylesters thereof. H. Lange. 1,980,538; Nov. 13.
Bag: *See*—
Traveling bag.
Balance, Wind tunnel. W. F. Gerhardt and C. A. Brock. 1,980,195; Nov. 13.
Balancing device. W. J. Newman and F. W. Munson. 1,980,693; Nov. 13.
Bale tie. A. F. Bradley. 1,980,661; Nov. 13.
Bale tie. A. V. Rowe. 1,980,503; Nov. 13.
Ball. J. W. Clarke. 1,980,472; Nov. 13.
Ballast tamping machine. A. Schenchzer. 1,980,704; Nov. 13.
Band, Bread. O. B. Andrews. 1,980,843; Nov. 13.
Bar: *See*—
Acidproof beater bar.
Bar for concrete, Reenforcing. C. S. Davis. 1,980,668; Nov. 13.
Bar or similar article, Portable. H. Rodstein and I. Nathanson. Des. 93,849; Nov. 13.
Barb wire holder, Reversible. P. W. Keller. 1,980,919; Nov. 13.
Basket ball goal indicator. R. F. Wiezel and H. G. Berberich. 1,980,652; Nov. 13.
Bathtub construction. P. L. Potter. 1,980,929; Nov. 13.
Battery cable terminal. L. Benny. 1,980,779; Nov. 13.
Battery element, Storage. W. G. Blake. 1,980,903; Nov. 13.
Battery ignition system. C. J. Voge. 1,980,648; Nov. 13.
Bearing for spindles of centrifuges, Guide. V. J. Gilmore. 1,980,580; Nov. 13.
Bed. G. W. Gail. 1,980,516; Nov. 13.
Beer regulating and cooling apparatus. G. Putz. 1,980,877; Nov. 13.
Bell ringing device for locomotives. L. E. Faulkner. 1,980,260; Nov. 13.
Berry box. W. F. Daley. 1,980,667; Nov. 13.

Beryllium and light alloys thereof, Making. L. Burgess. 1,980,378; Nov. 13.
Beverages, Apparatus for cooling. L. C. Smith. 1,980,945; Nov. 13.
Bib. R. W. Reagan. 1,980,436; Nov. 13.
Block: *See*—
Duplicating block. Note-block.
Blowpipe. L. M. Oliphant. Des. 93,842–5; Nov. 13.
Board: *See*—
Plotting board. Wall board.
Bomb releasing device. L. D. Bradshaw. 1,980,375; Nov. 13.
Bonding composition of solder and flux and making the same. A. L. Parker. 1,980,927; Nov. 13.
Bookbinder. E. W. Otto. 1,980,030; Nov. 13.
Bookbinding. F. C. Gould and T. Harrison. 1,980,267; Nov. 13.
Bookkeeping machine. J. H. Meckel, jr. 1,980,346; Nov. 13.
Book or book cover supporting device. L. M. Webber. 1,980,650; Nov. 13.
Boot or similar article. C. Miller. Des. 93,838; Nov. 13.
Bottle. J. Goldblatt. Des. 93,821; Nov. 13.
Box: *See*—
Berry box. Journal box.
Collapsible egg box. Switch or junction box.
Display box.
Box. J. C. Crawford. 1,980,851; Nov. 13.
Box parts, Method of and machine for combining. M. Willett. 1,980,871; Nov. 13.
Boxes, Making wirebound. G. L. Colbie. 1,980,474; Nov. 13.
Bracket: *See*—
Scaffold bracket.
Brake: *See*—
Expanding brake. Railway brake.
Fluid pressure brake. Vehicle brake.
Brake. L. C. Brisson. 1,980,611; Nov. 13.
Brake. T. A. Keen. 1,980,206; Nov. 13.
Brake device, Load. C. C. Farmer. 1,980,328; Nov. 13.
Brake equipment, Locomotive. J. C. McCune. 1,980,420; Nov. 13.
Brake for shuttles, particularly of shuttle embroidering machines, Thread. A. Meier. 1,980,544; Nov. 13.
Brake lining compound and manufacturing it. W. Nanfeldt. 1,980,221; Nov. 13.
Brake shoe. H. F. Parker and B. E. House. 1,980,225; Nov. 13.
Brake shoe clearance adjuster. C. C. Farmer. 1,980,329; Nov. 13.
Braking of alternating-current commutator motors, Regenerative. P. W. Robinson. 1,980,830; Nov. 13.
Brassière. H. B. Snader. 1,980,767; Nov. 13.
Buckle. L. La Ferney. 1,980,535; Nov. 13.
Buckle, Cotton tie. A. B. Haswell. 1,980,620; Nov. 13.
Buckle for linemen's belts. E. R. Gordon. 1,980,678; Nov. 13.
Buckle plate. F. E. Stahl. 1,980,362; Nov. 13.
Buffer mechanism for railway passenger cars. G. G. Gilpin. 1,980,677; Nov. 13.
Building construction. A. F. Bemis. 1,980,900; Nov. 13.
Building construction. E. F. Venzie. 1,980,645; Nov. 13.
Building plates from ceramic material, Manufacturing hollow. H. Harkort. 1,980,270; Nov. 13.
Building, Sectional. E. Geiger. 1,980,397; Nov. 13.
Burner: *See*—
Fluid fuel burner. Gas burner.
Burner and ignition controller with shut-down. M. E. Henning. 1,980,525; Nov. 13.
Button. A. A. Cavicchi. 1,980,909; Nov. 13.
Buttons, Fusing bifocal. C. G. Haering. 1,980,401; Nov. 13.
C-substituted pyrimidines of the anthraquinone series. H. Raeder. 1,980,549; Nov. 13.
Cabinet for phonographs or the like. T. E. Samuelson. Des. 93,851–2; Nov. 13.
Cabinet, Refrigerator. A. L. Lambert. 1,980,807; Nov. 13.
Cabinet, Visible card index. C. F. Wolters. Des. 93,860; Nov. 13.
Cabins, Construction of log. C. W. Bonn. 1,980,660; Nov. 13.
Cable. P. H. Chase. 1,980,320; Nov. 13.
Cable connecter for storage batteries. A. H. Walde. 1,980,893; Nov. 13.
Cable, Electric. W. A. Del Mar. 1,980,387; Nov. 13.
Cable terminal. C. E. Bennett. 1,980,370; Nov. 13.
Cable with tubular oil channels, Oil filled. W. A. Del Mar. 1,980,388; Nov. 13.
Calandria. R. Kay and A. Kruse. 1,980,623; Nov. 13.
Calculating machine. C. M. F. Friden. 1,980,579; Nov. 13.

Camera, Motion picture. F. X. Graser. 1,980,915; Nov. 13.
Camera, Photographic. W. H. Petit and E. S. Hineline. 1,980,546; Nov. 13.
Can: *See*—
Sanitary waste can.
Candy, Marzipan. W. Molzahn. Des. 93,839; Nov. 13.
Canning. A. K. Malmquist. 1,980,417; Nov. 13.
Capillary colloid mill. S. F. Acree. 1,980,589; Nov. 13.
Car. C. E. Windecker. 1,980,895; Nov. 13.
Car, Amusement. R. J. Lusse. 1,980,867; Nov. 13.
Car puller. W. W. Sloane. 1,980,231; Nov. 13.
Car, Rail. R. J. Burrows and A. O. Williams. 1,980,664; Nov. 13.
Car, Tank. C. H. Folmsbee. 1,980,074; Nov. 13.
Carbon black, Apparatus for the production of. F. C. Reed. 1,980,827; Nov. 13.
Carbonates of sodium and ammonium, Double. R. B. MacMullin. 1,980,691; Nov. 13.
Carburetor. N. G. A. Gustafsson. 1,980,520; Nov. 13.
Carriage, Baby. S. Drexler. Des. 93,817; Nov. 13.
Carriage, Baby. N. J. Kroll. 1,980,210; Nov. 13.
Carriage, Baby. N. J. and S. Kroll. 1,980,211; Nov. 13.
Carton and sealing the same, Hermetically sealed. S. Bergstein. 1,980,180; Nov. 13.
Cartons, Method and apparatus for making. T. Von Thien. 1,980,604; Nov. 13.
Case: *See*—
Vanity case.
Caster, Furniture. R. O. Isola. 1,980,205; Nov. 13.
Castings, Treating cast iron. J. W. Ford. 1,980,578; Nov. 13.
Catalytic apparatus. W. J. Edmonds. 1,980,718; Nov. 13.
Cathode ray oscillograph tube. L. H. Bedford and D. G. Coveney. 1,980,177; Nov. 13.
Cell, Secondary. E. Almeida. 1,980,606; Nov. 13.
Cellulose material, Apparatus for digesting. C. Dreyfus and G. Schneider. 1,980,390; Nov. 13.
Chair: *See*—
Folding chair.
Chair. C. Di Bella. 1,980,748; Nov. 13.
Chair or the like, Barber. M. Pelavin. 1,980,291; Nov. 13.
Change speed system. J. W. Hale. 1,980,797–8; Nov. 13.
Changeable exhibitor. M. S. Quinte. 1,980,548; Nov. 13.
Changeover mechanism for motion picture machines. I. H. Crabtree. 1,980,167; Nov. 13.
Chassis lubrication. J. Bijur. 1,980,780; Nov. 13.
Checkwriter. E. E. Phinney. 1,980,822; Nov. 13.
Chemical container. E. A. Hults. 1,980,727; Nov. 13.
Chimney draft regulator. G. W. Mason. 1,980,692; Nov. 13.
Chip cutter. E. J. Finegan. 1,980,193; Nov. 13.
Chuck retaining means. F. O. Hongland. 1,980,336; Nov. 13.
Cigarette. W. J. Walker, jr. 1,980,563; Nov. 13.
Cigars, Individual wrapping of. J. A. Doll. 1,980,913; Nov. 13.
Circuit controller. C. Stansbury and G. C. Brown. 1,980,707; Nov. 13.
Circuit controlling device for electric signs and the like. G. H. Leland. 1,980,542; Nov. 13.
Circuit interrupter. G. A. Burnham. 1,980,471; Nov. 13.
Circulator. B. Bohnenblust. 1,980,315; Nov. 13.
Clamp for rail heaters. W. H. Greenfield. 1,980,916; Nov. 13.
Clasp. B. Ogush. 1,980,222; Nov. 13.
Clay products, Making cellular. C. S. Matheny. 1,980,954; Nov. 13.
Cleaner: *See*—
Seed cleaner. Tray cleaner.
Suction cleaner. Windshield cleaner.
Clutch. R. W. Janda. 1,980,757; Nov. 13.
Clutch. W. C. Osterholm. 1,980,289; Nov. 13.
Clutches, Operating mechanism for. W. G. Doyle. 1,980,790; Nov. 13.
Coal and other carbonaceous materials, Apparatus and process for distilling and treating. H. S. Reed and R. D. Lamie. 1,980 828; Nov. 13.
Coal cleaner and grader, Hydraulic. L. E. Barrett and C. Johnson. 1,980,712; Nov. 13.
Coal cutting machine and the like. M. S. Moore. 1,980,629; Nov. 13.
Coat, Hunting. J. V. Falcon. 1,980,394; Nov. 13.
Cock device, Locking angle. S. G. Down. 1,980,325; Nov. 13.
Coffee infusions and the like, Apparatus for making. J. E. Smith. 1,980,735; Nov. 13.
Coffee pot, cream pitcher, and sugar container, Combined. E. A. Schuelke. Des. 93,854; Nov. 13.
Collapsible egg box. S. Reich. 1,980,597; Nov. 13.
Collar pressing machine. W. J. Beattie. 1,980,845; Nov. 13.
Coloration of materials made of or containing cellulose or cellulose derivatives. R. H. Parkinson. 1,980,429; Nov. 13.
Compass, Magnetic. H. N. Lumm. 1,980,415; Nov. 13.
Compensating device in measuring apparatus. J. G. Paulin. 1,980,732; Nov. 13.
Compositions, Producing. A. G. Ogden. 1,980,287; Nov. 13.
Compositor's copy rack. B. E. Hayes. 1,980,587; Nov. 13.
Compressor. J. F. Higbee. 1,980,726; Nov. 13.
Compressor plant. G. F. Maughmer. 1,980,814; Nov. 13.
Concentrator. M. J. Lide. 1,980,490; Nov. 13.
Condenser: *See*—
Electrolytic condenser.
Condenser. P. G. Jacobson. 1,980,485; Nov. 13.
Condiment holder. J. O. C. Ingold. 1,980,863; Nov. 13.
Conductors in plates, Sealing. A. N. Gray. 1,980,197; Nov. 13.
Conductors, Making electrical. H. A. Staples. 1,980,363; Nov. 13.
Confection, Frozen. A. Hopp. 1,980,588; Nov. 13.
Connecter device for hollow cables and securing connections to such cables. M. E. Noyes. 1,980,426; Nov. 13.
Connection to terminal elements, Device for. W. Borchert. 1,980,746; Nov. 13.
Contact breaking and lighting appliance, Method of and physical arrangement for. J. A. Heany. 1,980,800; Nov. 13.
Container: *See*—
Chemical container. Shipping container.
Container. L. J. Golden. 1,980,482; Nov. 13.
Container. H. H. Wright. 1,980,560; Nov. 13.
Container cap construction. G. E. Dietze. 1,980,853; Nov. 13.
Container for container cars, Refrigerator. G. C. Woodruff. 1,980,738; Nov. 13.
Container for dispensing fluid substances. A. D. Robinson. 1,980,878; Nov. 13.
Container for packing and shipping fruit. J. D. Martin. 1,980,281; Nov. 13.
Container for recipes, Card index. A. M. Lassen. 1,980,687; Nov. 13.
Container or holder, Bottle. E. L. Maguire and E. S. Tracy. 1,980,416; Nov. 13.
Container structure. W. C. North. 1,980,545; Nov. 13.
Containers, Apparatus for forming, filling, and closing. L. E. Spear. 1,980,361; Nov. 13.
Control apparatus. E. J. Dillman. 1,980,789; Nov. 13.
Control for motor mountings, Hydraulic. R. K. Lee. 1,980,541; Nov. 13.
Control recording apparatus. I. A. Butcher. 1,980,184; Nov. 13.
Control system. L. C. Hardesty. 1,980,799; Nov. 13.
Controlling apparatus. R. D. McDill. 1,980,816; Nov. 13.
Cooling system for internal combustion engines. F. Ljungström. 1,980,811; Nov. 13.
Cop or quill. G. A. Anderson. 1,980,311; Nov. 13.
Copyholder. F. M. Sperling. 1,980,300; Nov. 13.
Copyholder. B. E. Van Alstyne. 1,980,709; Nov. 13.
Cord ring, Window shade. S. J. Johnson. Des. 93,828; Nov. 13.
Cotton fibers, Mercerizing. A. Nitsche. 1,980,498; Nov. 13.
Cotton sweepings, Cleaning. J. W. Bowersox. 1,980,747; Nov. 13.
Counter. E. A. Slye. 1,980,232; Nov. 13.
Coupler, Car. A. C. Schmohl. 1,980,442; Nov. 13.
Coupling: *See*—
Hose coupling.
Coupling. C. L. Post. 1,980,823; Nov. 13.
Coupling. F. K. Simons. 1,980,933; Nov. 13.
Cover: *See*—
Upholstering cover.
Covering, Wall. H. B. Little and K. C. Miller. 1,980,866; Nov. 13.
Coverings to wires applicable to the insulation of electric conductors and to other purposes, Application of. G. H. Nisbett. 1,980,694; Nov. 13.
Crate. E. D. Cameron. 1,980,908; Nov. 13.
Crate, Bottle. E. M. Pennock and L. Hale. 1,980,352; Nov. 13.
Cultivator. T. Brown. 1,980,470; Nov. 13.
Current electromagnet, Alternating. C. T. Evans. 1,980,393; Nov. 13.
Current passing device, Unidirectional. J. A. Becker. 1,980,176; Nov. 13.
Curtain and bracket, Shower bath. N. Gaines. 1,980,618; Nov. 13.
Curtain and drapery holder. G. T. Hudspeth. 1,980,918; Nov. 13.
Cut-out, Electrical mercury. H. Worsdall. 1,980,243; Nov. 13.
Cutter: *See*—
Chip cutter.
Cylinder for hydraulic brakes. E. Engel. 1,980,616; Nov. 13.
Cylinder ridge reamer. C. A. Olson. 1,980,288; Nov. 13.
Damper, Torsional vibration. R. Chilton. 1,980,185; Nov. 13.
Decorative illuminated device. L. Szel. 1,980,708; Nov. 13.
Defroster switch. M. E. Henning. 1,980,524; Nov. 13.
Diaphragm restricting the image field in apparatus for projection with transmitted light. F. Meyer. 1,980,492; Nov. 13.
Di-(hydroxyethyl)-aminonitrobenzenes, Manufacture of. H. Lange. 1,980,536; Nov. 13.
Direction indicator. W. A. Traill. 1,980,772; Nov. 13.
Direction indicator for vehicles. H. L. Gebler. 1,980,794; Nov. 13.
Directional control device. E. C. Ecker. 1,980,259; Nov. 13.
Dispensing device for liquids. R. Bernhardt. Des. 93,810; Nov. 13.
Dispensing device for paste or the like. T. N. Coffelder. 1,980,473; Nov. 13.
Display box. J. Warner. 1,980,776; Nov. 13.

Distillation, Apparatus for. G. B. Coubrough. 1,980,612; Nov. 13.
Door and brake valve device. E. E. Hewitt. 1,980,334; Nov. 13.
Door, Awning. R. E. Thompson. 1,980,303; Nov. 13.
Door construction, Car. C. E. Eklind and W. A. Beauchamp. 1,980,671; Nov. 13.
Door structure. F. J. Matchette. 1,980,730; Nov. 13.
Draft appliance for carbonated beverages. L. I. Reed. 1,980,500; Nov. 13.
Drafting device. W. E. Sidney. 1,980,884; Nov. 13.
Drawer device for desks and the like. M. H. Raggio. 1,980,824; Nov. 13.
Drier: *See*—
Razor blade drier.
Drive for domestic utility devices, Electric. W. Weimers. 1,980,651; Nov. 13.
Drum. P. G. Peters. 1,980,876; Nov. 13.
Drums, Making shipping. E. E. Shanor and C. W. Mardersteck. 1,980,960; Nov. 13.
Dual wheel. W. Christie. 1,980,849; Nov. 13.
Duplicating block. G. Thyssen. 1,980,560; Nov. 13.
Dust exhausting apparatus. O. Schreiber. 1,980,763; Nov. 13.
Dust quencher for water gas apparatus and the like. G. C. Pfaff. 1,980,499; Nov. 13.
Dye, Azo. W. Lange and U. Dreyer. 1,980,539; Nov. 13.
Dyestuffs, Acid wool azo. E. Fischer. 1,980,515; Nov. 13.
Ear cleaning implement. S. Reiss. 1,980,826; Nov. 13.
Educational device. E. L. Dixon. 1,980,750; Nov. 13.
Elastic fluid generator. B. P. Coulson, jr. 1,980,784–5; Nov. 13.
Elastic fluid generator. A. J. Nerad. 1,980,820; Nov. 13.
Electric discharge apparatus. E. D. McArthur. 1,980,870; Nov. 13.
Electric discharge device. F. R. Elder. 1,980,855; Nov. 13.
Electric discharge device. M. S. Glass. 1,980,196; Nov. 13.
Electric flash lamp. S. Osterman. 1,980,351; Nov. 13.
Electric furnace. A. Loppacker. 1,980,729; Nov. 13.
Electric heater. C. R. Anderson. 1,980,654; Nov. 13.
Electric heating attachment for electric fans. L. Ludwig. 1,980,689; Nov. 13.
Electric heating pad. J. Hübl. 1,980,528; Nov. 13.
Electric induction furnace. E. F. Northrup. 1,980,875; Nov. 13.
Electric welding machine. F. E. Stahl. 1,980,935; Nov. 13.
Electrical apparatus, Cooling. K. K. Palueff. 1,980,821; Nov. 13.
Electrical appliance time control. M. E. Rosen. 1,980,700; Nov. 13.
Electro-acoustic device. R. D. Parry. 1,980,957; Nov. 13.
Electrolytic condenser. H. I. Danziger. Re19,370; Nov. 13.
Electrolyzer and electric accumulator. H. Niederreither. 1,980,873; Nov. 13.
Electromagnetically operated switch. A. P. Walker, jr. 1,980,456; Nov. 13.
Electron discharge device. S. W. Dodge, jr. 1,980,937; Nov. 13.
Electron discharge device and method of manufacturing. H. F. Callahan. 1,980,572; Nov. 13.
Electron discharge system. K. C. De Walt. 1,980,788; Nov. 13.
Electron discharge tube. W. E. Poor. 1,980,596; Nov. 13.
Electron discharge tube. O. L. van Steenis. 1,980,976; Nov. 13.
Electron tube construction. E. L. Koch. 1,980,805; Nov. 13.
Electrooptical tube. F. Gray. 1,980,198; Nov. 13.
Electroresponsive device and apparatus. L. A. Trofimov. 1,980,736; Nov. 13.
Electroresponsive system. A. S. Fitz Gerald. 1,980,395; Nov. 13.
Elevator. A. B. See. 1,980,230; Nov. 13.
Emblem. F. L. and W. Borchert. 1,980,744; Nov. 13.
Emptying device for bathing-tubs or the like. J. H. Morisseau. 1,980,493; Nov. 13.
Engine: *See*—
Rotary gas engine. Rotary steam engine.
Engine. C. F. Bachle. 1,980,778; Nov. 13.
Engine starting mechanism. C. P. Brockway. 1,980,662; Nov. 13.
Envelope and making same, Pocket. A. Wilson and S. G. Brick. 1,980,241; Nov. 13.
Esters, Mixed cellulose. A. Weihe and K. Thinius. 1,980,306; Nov. 13.
Excitation system for dynamo-electric machines. S. J. Vouch. 1,980,775; Nov. 13.
Exercising apparatus. T. A. Hunter. 1,980,861; Nov. 13.
Exhaust system. J. A. Paasche. 1,980,924; Nov. 13.
Expanding brake. A. F. Adkins. 1,980,947; Nov. 13.
Extractor: *See*—
Staple extractor.
Eyelet tape. G. R. Upham. 1,980,238; Nov. 13.
Fabric and making same, Coated. A. M. Agnew. 1,980,309; Nov. 13.
Fabrics, Drying of. K. F. Tandel. 1,980,558; Nov. 13.
Fabrics, Finishing textile. J. T. Gibbons. 1,980,676; Nov. 13.
Fan, Electric. L. N. Davy. 1,980,614; Nov. 13.
Faucet, Water. H. Gründler. 1,980,109; Nov. 13.
Feed device, Intermittent. E. R. Morton. 1,980,220; Nov. 13.
Feed for automatic machine tools. H. W. Rupple. 1,980,440; Nov. 13.
Feed regulation of liquids into working containers, Automatic. S. R. Dight. 1,980,749; Nov. 13.
Feeder or watering trough, Poultry. J. J. Backes. 1,980,247; Nov. 13.
Feeding device for rock drills. J. C. Curtis. 1,980,256; Nov. 13.
Felt for paper machines. A. Bong. 1,980,608; Nov. 13.
Fence post extension arm. R. Dandliker. 1,980,852; Nov. 13.
Ferric oxide and other metal values from pyrites, Production of. S. I. Levy. 1,980,809; Nov. 13.
Fibers or filaments, Device for measuring the lengths of. W. Sever. 1,980,883; Nov. 13.
Fibrous webs, Manufacture of waterlaid. M. O. Schur. 1,980,881; Nov. 13.
Filaments, Process and apparatus for the manufacture of artificial. E. Brauer. 1,980,468; Nov. 13.
Film-handling mechanism. W. L. Wright. 1,980,463; Nov. 13.
Filtration. I. M. Perkins. 1,980,431; Nov. 13.
Finger rings. F. P. Kinsley. Des. 93,829–30; Nov. 13.
Fire escape. J. H. Parsons. 1,980,595; Nov. 13.
Fire extinguisher, Portable hand. C. K. Huthsing. Des. 93,826–7; Nov. 13.
Firing port. P. B. Tonnar. 1,980,891; Nov. 13.
Fishing line float. J. W. Taylor. 1,980,302; Nov. 13.
Fishing method and apparatus. R. S. Tice and M. H. Littlefield. 1,980,452; Nov. 13.
Fishing reel. O. E. Long and R. C. Swigerd. 1,980,345; Nov. 13.
Flaw detector mechanism. H. C. Drake. 1,980,669; Nov. 13.
Float controlled valve. F. N. Pearse. 1,980,430; Nov. 13.
Floor coverings moth repellent, Making. L. P. Saponoff. 1,980,598; Nov. 13.
Flour milling process, Wheat. C. S. Johnson. 1,980,622; Nov. 13.
Flow meter. F. C. Mock and C. H. Havill. 1,980,761; Nov. 13.
Fluid, Device for controlling the action of a. J. Breton. 1,980,469; Nov. 13.
Fluid fuel burner. O. E. B. Sundblad and B. A. Grahn. 1,980,449; Nov. 13.
Fluid mixing unit, Thermostatically-controlled. G. E. Ames. 1,980,310; Nov. 13.
Fluid pressure brake. E. S. Cook. 1,980,322; Nov. 13.
Fluid pressure control mechanism. H. C. Frentzel, jr. 1,980,478; Nov. 13.
Folding chair. L. W. Emerson. 1,980,615; Nov. 13.
Folding chair. R. O. Ross. 1,980,551; Nov. 13.
Folding machine. L. M. Kahn. 1,980,532; Nov. 13.
Football, Devices for playing table. T. C. Insall and F. E. Andrews. 1,980,274; Nov. 13.
Form, Concrete. J. T. and J. E. Blair. 1,980,372; Nov. 13.
Form, Hosiery drying. T. W. Prosser and J. H. Wahlbeck. 1,980,547; Nov. 13.
Forms, Inking printing. A. and E. Kluge. 1,980,969; Nov. 13.
Frequency converting system. J. Jonas. 1,980,409; Nov. 13.
Friction facing and composition of matter. D. Repony. 1,980,227; Nov. 13.
Fruit juices in their natural state, Preserving, Fresh. I. H. Polk. 1,980,695; Nov. 13.
Fuel gas generator. A. Jagmin. 1,980,802; Nov. 13.
Fuel, Manufacture of motor. R. E. Burk and H. P. Lankelma. 1,980,380; Nov. 13.
Fuel, Motor. C. W. Hannum. 1,980,200–1; Nov. 13.
Furnace: *See*—
Electric furnace. Glass furnace.
Electric induction furnace.
Furnace. W. K. Rankin. 1,980,825; Nov. 13.
Furnace heat regulator. P. C. and W. P. Timm. 1,980,836; Nov. 13.
Furniture of the folding type, Article of. C. J. Symmonds. 1,980,450; Nov. 13.
Fuse, Liquid. R. H. Earle. 1,980,476; Nov. 13.
Fuse, Oil. A. G. Steinmayer and W. O. Schultz. 1,980,506; Nov. 13.
Game board. R. K. Harsh. Des. 93,823; Nov. 13.
Game, Educational. F. Savory. 1,980,637; Nov. 13.
Garment hanger. K. E. Goerner. 1,980,939; Nov. 13.
Garment hanger. L. Snitzer. 1,980,557; Nov. 13.
Garment treating machine. R. A. Hetzer. 1,980,860; Nov. 13.
Gas arc lamp. K. F. J. Kirsten. 1,980,534; Nov. 13.
Gas burner. T. A. Coleman. 1,980,321; Nov. 13.
Gas by electrical action, Supplying and cleaning. C. Hahn. 1,980,521; Nov. 13.
Gas mixing apparatus. R. W. Thomas. 1,980,770; Nov. 13.
Gases, Apparatus for separation of. H. Duggan and I. R. McHaffie. 1,980,791; Nov. 13.
Gases, Apparatus for the treatment of. C. G. Hawley. 1,980,522; Nov. 13.
Gasket construction. E. E. Hewitt and E. K. Lynn. 1,980,335; Nov. 13.
Gate valve. Relief by-passed. V. Fina. 1,980,914; Nov. 13.
Gate valve seat surfacing machinery. L. G. Plant. 1,980,928; Nov. 13.

Gauge: *See*—
Inclination gauge.
Gear shifting mechanism. F. M. Vandervoort. 1,980,644; Nov. 13.
Gears, Producing. E. Wildhaber. 1,980,365; Nov. 13.
Gearing, Transmission. E. R. Fish. 1,980,262; Nov. 13.
Gearing, Worm. N. Trbojevich. 1,980,237; Nov. 13.
Gearings, Method of and device for producing conjugate worm. H. Schicht. 1,980,554; Nov. 13.
Gelatinous material, Method and apparatus for rapidly drying. D. Abernethy. 1,980,898; Nov. 13.
Generator: *See*—
Alternating current generator. Elastic fluid generator.
Fuel gas generator.
Glass furnace. C. C. Kinker. 1,980,344; Nov. 13.
Glass grinding machine. M. R. Schottland. 1,980,932; Nov. 13.
Glass, Laminated. W. L. Monro. 1,980,970; Nov. 13.
Glass machine. Continuous rotation. C. C. Kinker. 1,980,343; Nov. 13.
Glass, Producing safety. G. B. Watkins. 1,980,510; Nov. 13.
Glassware, Method and apparatus for manufacturing. S. B. Bowman and F. C. Flint. 1,980,373; Nov. 13.
Gluing method and apparatus. E. H. Merritt. 1,980,216; Nov. 13.
Golf club. C. G. Jansky. 1,980,408; Nov. 13.
Golf practice device. M. G. Rosengarten. 1,980,701; Nov. 13.
Goods of or containing rubber or the like, Manufacture of. D. F. Twiss and E. A. Murphy. 1,980,774; Nov. 13.
Grain hulling machine. N. Tracy. 1,980,837; Nov. 13.
Grain separator. G. Haymond. 1,980,405; Nov. 13.
Grandstand, Folding. C. H. Wetzel. Re19,373; Nov. 13.
Granular material. H. R. Power. 1,980,432; Nov. 13.
Grinding, Apparatus for. A. F. Moul. 1,980,872; Nov. 13.
Grinding machine. R. E. W. Harrison. 1,980,682; Nov. 13.
Grip, Hand. M. D. Ballstreri. 1,980,655; Nov. 13.
Grizzly. W. B. MacBride. 1,980,279; Nov. 13.
Gummed paper booking machine. W. F. Grupe. 1,980,400; Nov. 13.
Gun barrel and barrel mounting. S. G. Green. 1,980,399; Nov. 13.
Gun, Pneumatic grease. R. J. Gray. Re19,369; Nov. 13.
Hair waving apparatus. W. H. H. Davis. 1,980,475; Nov. 13.
Hand bag. W. C. Hiering. 1,980,684; Nov. 13.
Handkerchief and tie set and making same. A. Tausik. 1,980,507; Nov. 13.
Handle grip for levers. R. A. Sandberg. 1,980,703; Nov. 13.
Handle or similar article. K. Rettich. Des. 93,848; Nov. 13.
Hanger: *See*—
Garment hanger.
Heat exchange apparatus. C. H. Leach. 1,980,626–7; Nov. 13.
Heater: *See*—
Electric heater. Water heater.
Oil heater.
Heater-cathode leakage in a radio tube, Preventing. M. N. Fredenburgh. 1,980,675; Nov. 13.
Heating element for electric cooking and heating apparatus, Electric. L. Egger. 1,980,719; Nov. 13.
Heating system. G. C. Smith. 1,980,299; Nov. 13.
Heel seat fitting machine. F. Barton. 1,980,369; Nov. 13.
Heel-seat fitting machine. E. A. Bessom. 1,980,371; Nov. 13.
Heel tap, Exchangeable. F. Hassel. 1,980,271; Nov. 13.
Hemstitching and sewing machine attachments for producing the same, Intermediate course. V. J. Sigoda. 1,980,705; Nov. 13.
Hinge for screen doors and the like. H. L. van Doren. Des. 93,856; Nov. 13.
Hobs, Producing. G. R. Scott. 1,980,444; Nov. 13.
Hoisting mechanism. H. E. Scott. 1,980,297; Nov. 13.
Holder: *See*—
Barb wire holder. Shoulder strap holder.
Condiment holder. Tray receptacle holder.
Curtain and drapery holder.
Holder for paper rolls. F. Garrett. 1,980,619; Nov. 13.
Holder for railway equipment, Card. L. A. Rowe. 1,980,944; Nov. 13.
Honer, Safety razor blade. F. E. Housh. 1,980,407; Nov. 13.
Hose connection. J. M. Angeja. 1,980,466; Nov. 13.
Hose coupling. H. E. Dennie. 1,980,389; Nov. 13.
Hot water bag attachment. I. L. Mitchell. 1,980,348; Nov. 13.
House, Chicken brooder. J. D. Overholt. 1,980,631; Nov. 13.
Hub cap, Vehicle wheel. J. J. Vickerilla. 1,980,646; Nov. 13.
Hydraulic press. W. Ferris and G. Macomber. 1,980,514; Nov. 13.
Hydraulic pressure device for rolling mills. J. Sée and L. Huot. 1,980,882; Nov. 13.
Hydraulically operated machine. R. R. Raber. 1,980,356; Nov. 13.
Hydrogenation products of ketones of the pyridine and piperidine series, Making. G. Scheuing and L. Winterhalder. 1,980,638; Nov. 13.
Ice-blocks from an automatic type refrigerator, Obtaining. L. S. Brach. 1,980,571; Nov. 13.
Ice cream cone or similar article. H. F. Preddy. Des. 93,847; Nov. 13.
Ice cubes, Loosening. H. S. Sadtler. 1,980,734; Nov. 13.
Illuminated sign. S. and J. Corbman. 1,980,665; Nov. 13.
Impulse transmitter. W. R. Davis. 1,980,190; Nov. 13.
Inclination gauge. D. S. Klauder, jr. 1,980,487; Nov. 13.
Indicator: *See*—
Basket ball goal indicator. Direction indicator.
Inductance system. L. A. Gebhard. Re19,371; Nov. 13.
Inhibitor for nitriding processes. H. A. Eckman and H. W. Maack. 1,980,670; Nov. 13.
Ink ribbon feeding and reversing mechanism. E. C. Hartley. 1,980,723; Nov. 13.
Ink roller. J. E. Hagstrom. 1,980,402; Nov. 13.
Inking apparatus and operating the same. A. Schlesinger. 1,980,639; Nov. 13.
Inking mechanism for printing presses. A. and E. Kluge. 1,980,968; Nov. 13.
Insect trap. L. G. Henning and J. Rein. 1,980,754; Nov. 13.
Instrument case. H. B. Brown. Des. 93,814; Nov. 13.
Instrument exhibiting mechanism. G. W. Chenicek. 1,980,574; Nov. 13.
Insulating materials and preparing insulating materials. M. C. Lewis and A. M. Lynn. 1,980,413; Nov. 13.
Insulation process and machine. H. H. Eaton. 1,980,170; Nov. 13.
Interferences in radio reception, Apparatus for eliminating. P. L. V. Lambert. 1,980,212; Nov. 13.
Iron chromium alloy article, Cold rolled. H. S. George. 1,980,331; Nov. 13.
Iron from sulphide ores, Making ductile electrolytic. J. R. Cain. 1,980,381; Nov. 13.
Iron or steel sheets with a protective metallic coating, Coating. W. H. Sommer. 1,980,961; Nov. 13.
Ironing machine. J. T. Hume and H. L. Hart. 1,980,484; Nov. 13.
Ironing table. H. B. White. 1,980,894; Nov. 13.
Isocolloids containing unsaturated high molecular acids, Solidification of organic. L. Auer. 1,980,366; Nov. 13.
Joint: *See*—
Suspension joint. Universal joint.
Tube joint.
Journal box. D. S. Barrows. 1,980,965; Nov. 13.
Kitchen cabinet. E. G. McQuinn. Des. 93,837; Nov. 13.
Knife, Chipper. J. F. Smith. 1,980,885; Nov. 13.
Knife for lump presses, Adjustable movable. H. P. Taylor. 1,980,887; Nov. 13.
Lace. W. R. Adaire. Des. 93,806; Nov. 13.
Lamp: *See*—
Electric flash lamp. Gas arc lamp.
Latex flowing machine. H. R. Polleys. 1,980,226; Nov. 13.
Leader pin. E. A. Baumbach. 1,980,174; Nov. 13.
Lens, Multifocal. H. M. E. Sachs. 1,980,880; Nov. 13.
Let-off tension device for cloth weaving machines. R. A. Gelette and J. R. Cosgrove. 1,980,857; Nov. 13.
Levees, Building. W. E. Philips. 1,980,634; Nov. 13.
Light gauging apparatus. G. G. Moreno. 1,980,217; Nov. 13.
Lighter, Friction. C. Maltner. 1,980,868; Nov. 13.
Lighting outfit, Portable electric. A. Abramson. 1,980,948; Nov. 13.
Lighting unit. D. H. Tuck and W. Rosebraugh. 1,980,773; Nov. 13.
Line casting machine. R. H. Turner. 1,980,962; Nov. 13.
Liner for grape shipping boxes. J. D. Martin. 1,980,280; Nov. 13.
Liner in a tire, Securing a reenforcing. H. J. Woock. 1,980,565; Nov. 13.
Liquid displacement meter. R. E. Bechtold. 1,980,949; Nov. 13.
Loader, Hay. H. Synck. 1,980,835; Nov. 13.
Lock: *See*—
Puzzle lock.
Locomotive unit for a railway train. N. B. Geddes. Des. 93,809; Nov. 13.
Loom. W. D. Kellogg, J. Fradenburgh, and D. D. Dube. 1,980,208; Nov. 13.
Loom and fabric. G. Crompton, jr. 1,980,666; Nov. 13.
Lounge. J. M. Brewer. Des. 93,813; Nov. 13.
Lubricant from sealed containers, Device for dispensing. F. A. Prahl. 1,980,434; Nov. 13.
Lubricated gate valve. H. G. Specht. 1,980,768; Nov. 13.
Macaroni. A. Ronzoni. Des. 93,850; Nov. 13.
Machine for automatically sealing hoods on bottles. J. T. Eubank. 1,980,792; Nov. 13.
Machine for breaking cubes of ice. T. J. Fegley and G. O. Leopold. 1,980,952; Nov. 13.
Machine for drawing designs. P. J. Grupp. 1,980,917; Nov. 13.
Machine for drying textile materials. H. H. Belcher. 1,980,163; Nov. 13.
Machine for fastening covers to fruit baskets. S. H. Sheller. 1,980,764; Nov. 13.
Machine for forming fabrications from strip material. H. Fuchs. 1,980,856; Nov. 13.
Machine for shaping uppers over lasts. C. F. and A. F. Pym. 1,980,435; Nov. 13.
Machine for surface treating shoe parts. C. G. Brostrom. 1,980,376; Nov. 13.
Machine for timing time fuses for artillery projectiles. A. Varaud. 1,980,892; Nov. 13.
Magnesium and high grade magnesium alloys from the action of corroding agents, Protecting. J. M. Michel. 1,980,282; Nov. 13.
Manifolding. A. A. Johnson. 1,980,339; Nov. 13.
Manifolding record. W. D. Caton. 1,980,319; Nov. 13.

Maps from photographs, Apparatus for plotting. W. Bauersfeld. 1,980,657; Nov. 13.
Marine motor. H. L. Johnson. 1,980,685; Nov. 13.
Massage applicator. D. M. Johnson. 1,980,803; Nov. 13.
Match box and striking device. F. H. Greve. 1,980,859; Nov. 13.
Material, Apparatus for hoisting and distributing loose. J. P. Faber. 1,980,673; Nov. 13.
Material for coating metal. J. H. Gravell. 1,980,518; Nov. 13.
Material handling system. R. E. Caller. 1,980,782; Nov. 13.
Material, Heat insulating. G. M. Thomson. 1,980,889; Nov. 13.
Material, Method and apparatus for forming. J. L. Adams, jr. 1,980,308; Nov. 13.
Materials, Coloring sheet. H. T. Brodersen. 1,980,905; Nov. 13.
Materials made of or containing cellulose or cellulose derivatives, Treatment of. R. H. Parkinson. 1,980,428; Nov. 13.
Materials, Treatment of artificial. W. A. Dickie and F. B. Hill. 1,980,191; Nov. 13.
Mattress. M. Sherover. 1,980,445; Nov. 13.
Meat cutting machine. A. C. Van Hooydonk. 1,980,304; Nov. 13.
Mechanical movement. W. R. Hewton. 1,980,527; Nov. 13.
Melting pot, particularly for linotypes, Electrically heated. J. Rabaté and W. B. Smits. 1,980,696; Nov. 13.
Mercury arc rectifiers, Method and apparatus for controlling. E. L. White. 1,980,459; Nov. 13.
Meta cresol from meta cresol-para cresol mixtures, Separation of. F. Comte. 1,980,384; Nov. 13.
Metal compounds, Resinous. P. L. Salzberg. 1,980,441; Nov. 13.
Metal cutting machine. L. C. Shippy, A. W. Phelps, and J. Q. Holmes. 1,980,359; Nov. 13.
Metal working machine. A. F. Hanson. 1,980,584; Nov. 13.
Meter: *See*—
Flow meter. Liquid displacement meter.
Meter fitting, Orifice. H. H. Robinson. 1,980,699; Nov. 13.
Milk, Apparatus for pasteurizing. J. H. Wade. 1,980,605; Nov. 13.
Milk dessert. K. J. Monrad. 1,980,628; Nov. 13.
Mill: *See*—
Capillary colloid mill. Rolling mill.
Mitering machine. H. B. Rouse. 1,980,502; Nov. 13.
Mixer: *See*—
Paint mixer.
Mixtures of phenols into their components, Resolution of. W. H. Bentley and B. Catlow. 1,980,901; Nov. 13.
Models of building structures, Apparatus used in the formation of. O. Gottschalk. 1,980,332; Nov. 13.
Mold: *See*—
Typographical mold.
Mold for the manufacture of three-pocket ice cream cones. J. Balton. 1,980,740; Nov. 13.
Molding material and molded articles and making the same. A. Eichengrün. 1,980,326; Nov. 13.
Morphine derivative and its preparation. L. F. Small. 1,980,972; Nov. 13.
Motor: *See*—
Marine motor.
Motor control system. G. Brunner. 1,980,950; Nov. 13.
Motor control system. T. Buchhold. 1,980,951; Nov. 13.
Motor speed indicating and control device. J. F. Byrd. 1,980,907; Nov. 13.
Motor starter and control system. R. W. Goff. 1,980,796; Nov. 13.
Mounting for electric devices. G. R. Lum. 1,980,214; Nov. 13.
Mounting, Impeller. A. Hollander. 1,980,337; Nov. 13.
Mouthpiece. H. P. Roberts. 1,980,293; Nov. 13.
Musical sounds, Method and apparatus for producing. R. K. Potter. 1,980,292; Nov. 13.
Nail driving device. J. De Mooy. 1,980,967; Nov. 13.
Nail set. J. R. Gurley. 1,980,583; Nov. 13.
Necktie holder and presser. M. Herzog. 1,980,526; Nov. 13.
Nose iron for weighing scales, Adjustable. A. Bousfield. 1,980,609; Nov. 13.
Note-block. J. Boldt. 1,980,659; Nov. 13.
Nozzle, Adjustable spray. S. E. White. 1,980,460; Nov. 13.
Nozzle, Paint striping. F. P. Ryan. 1,980,552; Nov. 13.
Number indicating device. H. J. Ball. 1,980,844; Nov. 13.
Oil, Coking of. J. C. Morrell. 1,980,218; Nov. 13.
Oil conversion, Hydrocarbon. L. C. Huff. 1,980,204; Nov. 13.
Oil dispensing device. W. F. Punte. 1,980,433; Nov. 13.
Oil fuel feed device. J. E. Blanding. 1,980,743; Nov. 13.
Oil heater. W. A. Stewart. 1,980,301; Nov. 13.
Oil process, Lubricating. V. Voorhees and J. A. Anderson. 1,980,649; Nov. 13.
Oil, Refining airplane engine. A. B. Brown and A. W. Neeley. 1,980,377; Nov. 13.
Oil, Treatment of hydrocarbon. W. H. McAdams and H. C. Weber. 1,980,215; Nov. 13.
Oils, fats, or acids thereof and manufacturing the same, Sulphonated. R. Kern. 1,980,342; Nov. 13.
Oils, Method and apparatus for heating and cracking. E. W. Gard and P. Subkow. 1,980,330; Nov. 13.
Oils, Process of and apparatus for cracking hydrocarbon. J. B. Webre. 1,980,839; Nov. 13.
Oils, Treatment of hydrocarbon. R. F. Davis. 1,980,189; Nov. 13.
Oils with an alkaline sulphide, Treating. W. A. Schulze and F. E. Frey. 1,980,555; Nov. 13.
1-amino-2,3-dimethylanthraquinone and making same, Pure. O. Bayer. 1,980,162; Nov. 13.
Opener, Can. O. N. Wiswell. Des. 93,859; Nov. 13.
Opening and closing device, Hydraulic. E. Engel. 1,980,617; Nov. 13.
Operating mechanism for knitting machines. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,980,209; Nov. 13.
Organ and electrically producing tones, Electric. E. E. Coupleux and J. A. Givelet. 1,980,911; Nov. 13.
Organ, Electric radio. E. E. Coupleux and J. A. Givelet. 1,980,912; Nov. 13.
Organ valve structure. D. S. Barrows. 1,980,964; Nov. 13.
Orienting device for core drills. W. A. Hunsucker. 1,980,529; Nov. 13.
Orifice plate for flow meters. F. V. A. E. Engel. 1,980,672; Nov. 13.
Ornamental display device. H. W. Tucker and W. S. McLeish. 1,980,453; Nov. 13.
Oscillator, Crystal controlled. D. R. Goddard. 1,980,581; Nov. 13.
Oven, Electric. W. W. Kelly. 1,980,920; Nov. 13.
Packages, Sealing. S. Bergstein. 1,980,179; Nov. 13.
Packing. C. F. Field and Z. E. Flick. 1,980,720; Nov. 13.
Pad: *See*—
Electric heating pad.
Paint mixer. C. R. Tibbetts. 1,980,643; Nov. 13
Paint spraying apparatus. G. A. Yedd. 1,980,464; Nov. 13.
Panelboard and testing means therefor. P. S. Jenkins. 1,980,721; Nov. 13.
Paper making apparatus. C. M. Bryan. 1,980,253; Nov. 13.
Paper, Method of and apparatus for coating. S. Lebel. 1,980,923; Nov. 13.
Paper roll stand. O. C. Roesen. 1,980,879; Nov. 13.
Paper sheet ejection, Push pull-type. F. E. Pfeiffer. 1,980,354; Nov. 13.
Para cresol from a liquid phenolic mixture, Separation of. F. Comte. 1,980,385; Nov. 13.
Particles suspended in air, Dispersing. E. V. Amy. 1,980,171; Nov. 13.
Pen, Desk. R. Back. Des. 93,807; Nov. 13.
Pen filling device, Fountain. I. D. Tefft. 1,980,508; Nov. 13.
Pen, Fountain. J. Laforest and J. Pignon. 1,980,625; Nov. 13.
Pen, Reservoir. H. Okada. 1,980,350; Nov. 13.
Percolator. P. C. Rothermel. 1,980,931; Nov. 13.
Permanent waving. C. G. Gross. 1,980,680; Nov. 13.
Phonograph needle. W. D. Wenger. 1,980,511; Nov. 13.
Photographic surveying apparatus. V. Sintich. 1,980,556; Nov. 13.
Photography. J. A. Gibbons. 1,980,795; Nov. 13.
Photography, Color. L. D. Mannes and L. Godowsky, jr. 1,980,941; Nov. 13.
Phototube. H. Salzberg. 1,980,702; Nov. 13.
Picture projection machine, Motion. G. K. Spoor. 1,980,600; Nov. 13.
Pictures, Composite motion. H. F. Koenekamp. 1,980,806; Nov. 13.
Pin: *See*—
Leader pin.
Pipe casting apparatus. B. Bigler. 1,980,742; Nov. 13.
Pipe liner, Solid ring. F. C. Hutchison. 1,980,530; Nov. 13.
Pipe protector. D. W. Thomas. 1,980,364; Nov. 13.
Pistol, Quick-firing. J. Nickl. 1,980,874; Nov. 13
Piston. G. H. Blettner. 1,980,658; Nov. 13.
Piston and cylinder assembly. A. Bevacqua. 1,980,741; Nov. 13.
Pitch propeller, Automatic variable. H. Bates. 1,980,248; Nov. 13.
Pivot lubricating and bearing means. W. G. Calkins and A. J. Langhammer. 1,980,166; Nov. 13.
Plant pests and plant diseases, Apparatus for use in controlling. W. B. Parker. 1,980,427; Nov. 13.
Plant support for greenhouse benches. W. Vetter. 1,980,239; Nov. 13.
Planting implement. G. M. Walker. 1,980,562; Nov. 13.
Platinum catalysts, Purification and regeneration of. E. S. Ridler. 1,980,829; Nov. 13.
Playground apparatus. A. B. Horne. Des. 93,825; Nov. 13.
Plotting board. J. Mesick. 1,980,422; Nov. 13.
Plug and operating mechanism, Basin waste. W. Baxter. 1,980,250; Nov. 13.
Plum. J. B. Thompson. Pl. Pt. 111; Nov. 13.
Porcelain, Spark plug. H. M. Brewster. 1,980,182; Nov. 13.
Portable receptacle. R. Herrmann. 1,980,683; Nov. 13.
Poultry or fowl, Drawn and dressed. O. C. Botz. 1,980,904; Nov. 13.
Power transmission device. G. C. Reeves. 1,980,437; Nov. 13.
Power transmission system. J. W. Burleigh. 1,980,165; Nov. 13.
Preparing machine. E. T. Wuest. 1,980,841; Nov. 13.

Press: *See*—
Hydraulic press.
Pressure control device for air brake mechanism. O. Seifferle. 1,980,504; Nov. 13.
Pressure die-casting machine with device for uniformly controlling the movable parts by means of gaseous and hydraulic pressure media. P. Haessler. 1,980,333; Nov. 13.
Pressure release for sand testing tools. J. S. Morris. 1,980,219; Nov. 13.
Printing machine. W. L. Cullen, S. Roth, and C. Hoefler. 1,980,188; Nov. 13.
Printing machine. E. C. Hartley. 1,980,724–5; Nov. 13.
Printing machine and method. C. A. Flood. 1,980,576; Nov. 13.
Printing plates, Making intaglio. O. R. Schultz. 1,980,443; Nov. 13.
Printing surfaces, Mounting. A. B. Davis. 1,980,386; Nov. 13.
Projection screen. D. F. Newman. 1,980,285–6; Nov. 13.
Projector for type bar printers. G. R. Benjamin and J. W. Long. 1,980,160; Nov. 13.
Propeller. H. Bates. 1,980,249; Nov. 13.
Propeller. C. G. Eckhold. 1,980,717; Nov. 13.
Propeller. C. H. Havill and M. Mansson. 1,980,272; Nov. 13.
Propeller, Making a. J. Squires. 1,980,834; Nov. 13.
Propellers during flight, Device for regulating the pitch of variable pitch. L. Bréguet. 1,980,847; Nov. 13.
Propulsion apparatus. R. H. Goddard. 1,980,266; Nov. 13.
Propulsion means. W. R. Mobley. 1,980,925; Nov. 13.
Puller: *See*—
Car puller.
Pulling-over machine. J. C. Jorgensen. 1,980,410; Nov. 13.
Pump: *See*—
Rotary pump.
Pushpin. J. Komorous. 1,980,758; Nov. 13.
Puzzle lock. L. Zeumer, geb. Kleiber. 1,980,513; Nov. 13.
Pyrotechnic device. H. Clauser. 1,980,910; Nov. 13.
Rabbet plane. R. Wolf. 1,980,737; Nov. 13.
Rack: *See*—
Compositor's copy rack.
Rack and press, Combination necktie. E. E. Moreau. Des. 93,840; Nov. 13.
Radio receiving set. E. F. Andrews. 1,980,842; Nov. 13.
Radio receiving system. M. B. Benson. 1,980,713; Nov. 13.
Radio transmitter control apparatus. S. D. Haberle and R. J. Davis. 1,980,585; Nov. 13.
Rail for a baby carriage or the like. S. and N. J. Kroll. Des. 93,831; Nov. 13.
Rail, Highway guard. W. W. Russell. 1,980,733; Nov. 13.
Railway brake. C. C. Kinsman. 1,980,686; Nov. 13.
Rake. W. H. Bergmann. 1,980,252; Nov. 13.
Rake or hay sweep, Buck. J. Peters. 1,980,762; Nov. 13.
Range. W. A. Busiek. 1,980,781; Nov. 13.
Range. G. D. Wilkinson and E. D. Pellegrin. 1,980,307; Nov. 13.
Range construction. J. Teller and A. P. Schulz. 1,980,769; Nov. 13.
Rayon spinning machine. J. Brenzinger. 1,980,610; Nov. 13.
Razor blade drier. E. G. Nyman. 1,980,593; Nov. 13.
Razor, Safety. G. Hofmann. 1,980,202; Nov. 13.
Reaction product of butadiene derivatives with hydrogen halides and producing same. E. Gebauer-Fuelnegg and E. W. Moffett. 1,980,396; Nov. 13.
Receptacle: *See*—
Portable receptacle. Storage battery receptacle.
Receptacle. E. Brosler. 1,980,715; Nov. 13.
Record assembly, Compound. W. D. Caton. 1,980,318; Nov. 13.
Recorder. H. R. Cool. 1,980,786; Nov. 13.
Recording instrument. F. J. Suhr. Des. 93,855; Nov. 13.
Recovery device for pneumatic suspensions, Automatic. G. L. R. J. Messler. 1,980,423; Nov. 13.
Reel: *See*—
Fishing reel.
Reel mount for fishing rods. F. W. Breder. 1,980,316; Nov. 13.
Reel seat. G. H. Clark and R. E. Yates. 1,980,317; Nov. 13.
Reflector, Lamp. L. Brosilow and L. Severus. 1,980,183; Nov. 13.
Refrigerator vehicle body. W. B. Smith. 1,980,446; Nov. 13.
Regulator: *See*—
Chimney draft regulator. Window regulator.
Furnace heat regulator.
Regulator for fluid pressure apparatus, Pressure. A. Neveu. 1,980,349; Nov. 13.
Regulator for milking machines. S. A. Eskilson and G. K. V. Johanson. 1,980,752; Nov. 13.
Relay, Latched-in contactor. R. Westerfelhaus. 1,980,458; Nov. 13.
Remote control device. I. Ball. 1,980,172; Nov. 13.
Remote revolution indicating and recording apparatus. W. Möller and H. Lorenz. 1,980,926; Nov. 13.
Resin and resin forming compound. R. Hill. 1,980,483; Nov. 13.
Resins, Modification of the physical properties of. L. Auer. 1,980,367; Nov. 13.
Resistance element for rail heaters. W. H. Greenfield. 1,980,582; Nov. 13.
Retort for use in the low temperature distillation of carbonaceous material. R. Addy, S. Gill, and C. W. Tozer. 1,980,245; Nov. 13.
Rind stripper. C. H. Marquardt, E. A. Countryman and L. S. Newton. Des. 93,836; Nov. 13.
Ring for welding, Backing-up. C. B. Martin and L. W. Lemert. 1,980,419; Nov. 13.
Riveter, Automatic. K. Bodden. 1,980,181; Nov. 13.
Road building machine. J. N. Heltzel. 1,980,523; Nov. 13.
Road machine. W. E. Winings. 1,980,897; Nov. 13.
Rod: *See*—
Welding rod.
Roller: *See*—
Ink roller.
Rolling mill. F. C. Biggert, jr. 1,980,570; Nov. 13.
Roof framing tool. A. G. Sloper. 1,980,765; Nov. 13.
Roofing. N. P. Harshberger. Des. 93,824; Nov. 13.
Rotary gas engine. C. G. McDonald. 1,980,924; Nov. 13.
Rotary pump. G. J. Harman and A. M. Briggs. 1,980,404; Nov. 13.
Rotary steam engine. R. P. Glenn. 1,980,858; Nov. 13.
Rotor construction, Aircraft sustaining. J. de la Cierva. 1,980,169; Nov. 13.
Rotor for dynamo-electric machines. E. T. Reardon. 1,980,698; Nov. 13.
Rubber articles, Joining. H. Willshaw. 1,980,564; Nov. 13.
Rubber goods, Manufacture of. P. D. Patterson. 1,980,943; Nov. 13.
Rubber latex concentrates, Production of. P. Scholz. 1,980,599; Nov. 13.
Sandal, Sanitary. R. I. Innis. 1,980,621; Nov. 13.
Sanitary napkin. A. A. Rohling. 1,980,958; Nov. 13.
Sanitary waste can. J. F. Geibel. 1,980,938; Nov. 13.
Sash protection, Metal. A. V. Johnson. 1,980,864; Nov. 13.
Scaffold bracket. L. C. Eberle. 1,980,854; Nov. 13.
Scale, Weighing. A. E. Michener. 1,980,731; Nov. 13.
Scale, Weighing. P. Okey. 1,980,956; Nov. 13.
Scale, Weighing. M. J. Weber and R. E. Vanderhoff. Des. 93,858; Nov. 13.
Screen: *See*—
Projection screen.
Screen insuring direct vision through the air, Wind. Y. L. J. Pottier. 1,980,633; Nov. 13.
Seal for electric lamps and similar articles. D. K. Wright and A. Greiner. 1,980,840; Nov. 13.
Seat: *See*—
Reel seat.
Seating system. T. P. Musgrave. 1,980,497; Nov. 13.
Seed cleaner. E. A. Good. 1,980,517; Nov. 13.
Seed products, Treating fat and oil-bearing. G. P. Tussaud. 1,980,838; Nov. 13.
Self-sealing paste tube. H. C. Anderson. 1,980,607; Nov. 13.
Separator: *See*—
Grain separator.
Sewing machine. W. Lockenvitz. 1,980,278; Nov. 13.
Sewing machine outfit, Tandem. I. F. Webb. 1,980,603; Nov. 13.
Shaped objects from cellulose derivatives, Manufacture of. M. Hagedorn, E. Guhring, and O. Reichert. 1,980,268; Nov. 13.
Shaper. F. Kinzbach. 1,980,922; Nov. 13.
Sheet feed for autographic registers, Summary. F. E. Pfeiffer. 1,980,353; Nov. 13.
Sheet inspection table. R. M. Fenton. 1,980,261; Nov. 13.
Shingle. T. M. Mayfield. 1,980,760; Nov. 13.
Shipping container. J. C. Miller. 1,980,283; Nov. 13.
Shock absorber. J. M. Christman. 1,980,382; Nov. 13.
Shock absorbing apparatus, Vehicle. A. H. Simpson. 1,980,934; Nov. 13.
Shoe. B. Batterman. Des. 93,808; Nov. 13.
Shoe. P. Colella. Des. 93,816; Nov. 13.
Shoe. V. C. Lipscomb. Des. 93,832–5; Nov. 13.
Shoe. A. Perugia. Des. 93,846; Nov. 13.
Shoe. E. Saugues. Des. 93,853; Nov. 13.
Shoe. B. Zegorav. Des. 93,861; Nov. 13.
Shoe bottom filling apparatus. A. Thoma. 1,980,940; Nov. 13.
Shoe stiffener. S. P. Lovell. 1,980,810; Nov. 13.
Shoulder strap holder. H. Rabey. 1,980,697; Nov. 13.
Sign: *See*—
Illuminated sign.
Sign. H. Hammer. Des. 93,822; Nov. 13.
Signal: *See*—
Thermostatically controlled Warning signal.
signal.
Signal operated switch, Steering wheel. W. J. Cronan. 1,980,323; Nov. 13.
Signaling and recording system. J. S. Morse. 1,980,494; Nov. 13.
Signaling system and apparatus therefor. S. Morton, H. L. Krum, and E. E. Kleinschmidt. 1,980,284; Nov. 13.
Slab, Dental mixing. C. S. Kile. 1,980,533; Nov. 13.
Slack adjuster. M. Tibbetts. 1,980,771; Nov. 13.
Sled, Airplane sky. G. Austin. 1,980,246; Nov. 13.
Slider moving device, Automatic. S. H. Norton. 1,980,955; Nov. 13.
Slitting machine. D. F. Evans and C. E. Coleman. 1,980,392; Nov. 13.
Smoking implement. C. M. Palmer. 1,980,594; Nov. 13.
Smoking stand. T. Nagel. Des. 93,841; Nov. 13.

Socket extension adapter. W. D. Kyle and A. G. Steinmayer. 1,980,488; Nov. 13.
Socket, Vacuum tube. A. I. Crawford. 1,980,187; Nov. 13.
Sole pressing machine. C. T. Jones. 1,980,340; Nov. 13.
Solutions, Clarifying chlorinated. C. N. Windecker. 1,980,896; Nov. 13.
Spindle retainer. I. R. Rowe. 1,980,357; Nov. 13.
Spindle swing for twisting machines. O. W. Schaum. 1,980,358; Nov. 13.
Spinning, Method of and apparatus for dry. W. Whitehead. 1,980,240; Nov. 13.
Spool for tube frames and the like, Sectional. E. F. Hathaway and W. Bixby. 1,980,586; Nov. 13.
Spoon. C. A. Ertola and A. L. Slee. 1,980,477; Nov. 13.
Stand: *See*—
Paper roll stand.
Staple extractor. J. F. Cavanagh. 1,980,573; Nov. 13.
Stapling or discontinuous wire stitching machine. J. I. Nasmith and W. Kirby. 1,980,592; Nov. 13.
Starter control, Engine. F. H. Prescott and J. M. Crawford. 1,980,355; Nov. 13.
Starter, Outboard motor. C. W. Stickel. 1,980,601; Nov. 13.
Stem. L. K. Marshall. 1,980,418; Nov. 13.
Stoker. R. L. Beers. 1,980,407; Nov. 13.
Stoker. J. L. Hinderer. 1,980,755; Nov. 13.
Stop mechanism for machines, Automatic. F. N. Ross and H. L. Johnson. 1,980,294; Nov. 13.
Stop motion for looms. V. C. Hassol. 1,980,940; Nov. 13.
Storage apparatus. M. S. Clark. 1,980,850; Nov. 13.
Storage battery receptacle. W. G. Blake. 1,980,902; Nov. 13.
Stove, Liquid fuel cook. W. T. Bradbury. Des. 93,812; Nov. 13.
Striker for latches. W. Schnell. 1,980,295; Nov. 13.
Strip structure, Dividing. H. L. Fink. 1,980,793; Nov. 13.
Submarine life saving apparatus. B. A. Viveiros. 1,980,647; Nov. 13.
Suction cleaner. F. Riebel, jr. 1,980,438; Nov. 13.
Sugar making, Beet. G. M. Darby. 1,980,257; Nov. 13.
Sulpho-acids of high molecular weight, Production of. K. Lindner. 1,980,414; Nov. 13.
Sulphur isotonic and injectable solution produced thereby, Making aqueous soluble colloidal. J. Torigian. 1,980,236; Nov. 13.
Support: *See*—
Test tube support.
Supporting means for conveyer belts. J. Zollinger. 1,980,777; Nov. 13.
Surfacing tool. L. L. Handy. 1,980,403; Nov. 13.
Surgical foot covering. L. M. King and W. E. Tournat. 1,980,486; Nov. 13.
Suspended particles, Method of and apparatus for agglomerating. M. E. Garrison and W. F. Van Loenen. 1,980,722; Nov. 13.
Suspension joint. E. S. Stoddard. 1,980,448; Nov. 13.
Switch: *See*—
Defroster switch.
Electromagnetically operated switch.
Signal operated switch.
Thermally controlled switch.
Switch. C. J. Werner. 1,980,457; Nov. 13.
Switch and the like, Thermally controlled. J. D. Ross. 1,980,439; Nov. 13.
Switch for automobiles, Signal. J. P. Hanson. 1,980,269; Nov. 13.
Switch for electrical circuits, Intermittent cycling. R. T. Smith. 1,980,766; Nov. 13.
Switchgear, Electric. F. Andorff and W. Speidel. 1,980,739; Nov. 13.
Switch or junction box, Electric. E. M. Rosenfield. 1,980,831; Nov. 13.
Table: *See*—
Ironing table.
Sheet inspection table.
X-ray table.
Tag structure. W. and F. L. Borchert. 1,980,745; Nov. 13.
Taper, Artificial. F. J. Becker. 1,980,251; Nov. 13.
Telegraph switching system. A. Weaver. 1,980,305; Nov. 13.
Telephone receiver. F. S. Wolpert. 1,980,242; Nov. 13.
Telephone system. W. M. Beaumont. 1,980,175; Nov. 13.
Television apparatus. P. P. Holzer, sr. 1,980,406; Nov. 13.
Temperature controlling means. V. V. Veenschoten. 1,980,454; Nov. 13.
Temperature responsive device. G. A. Tuck. 1,980,509; Nov. 13.
Tennis racket and stringing same. H. A. and S. T. Cook. 1,980,783; Nov. 13.
Terrazo grinding apparatus. A. W. Mall. 1,980,491; Nov. 13.
Test tube support. J. A. Reyniers. 1,980,930; Nov. 13.
Thermally controlled switch. J. C. Hoover. 1,980,756; Nov. 13
Thermionic device and circuit therefor. E. L. Koch. 1,980,728; Nov. 13.
Thermionic tube. E. L. Koch. 1,980,804; Nov. 13.
Thermometer, Radiation differential. H. B. Lindsay. 1,980,213; Nov. 13.
Thermostatic valve. J. J. Kenney. 1,980,624; Nov. 13.
Thermostatically controlled signal. J. J. Ford. 1,980,194; Nov. 13.
Threads or like products, Apparatus for the production of artificial. W. I. Taylor. 1,980,234; Nov. 13.
Threads, Radio-active rubber. W. Grunzig and C. Baumgärtel. 1,980,519; Nov. 13.
Thumb guard. W. R. Rasmussen and T. Ogden. 1,980,635; Nov. 13.
Ticket. C. A. Flood. 1,980,577; Nov. 13.
Tiling, Metal. A. C. Bretland. 1,980,906; Nov. 13.
Tip-up for fishing through ice. P. Covich. 1,980,255; Nov. 13.
Tire casings, Apparatus for manufacturing. E. Hopkinson. 1,980,203; Nov. 13.
Tire cover construction, Spare. G. A. Lyon. 1,980,690; Nov. 13.
Tires, Apparatus and process for the manufacture of pneumatic. W. L. Avery. 1,980,567; Nov. 13.
Titanium compounds, Preparation of. W. B. Llewellyn and H. Spence. 1,980,812; Nov. 13.
Tongs. G. Kroto. 1,980,759; Nov. 13.
Tongs, Ice cube. A. H. Ackerson. 1,980,465; Nov. 13.
Tool: *See*—
Roof framing tool.
Surfacing tool.
Welding tool.
Tool attachment, Machine. N. Berglund. 1,980,178; Nov. 13.
Torch head. F. M. Roumillat. 1,980,636; Nov. 13.
Toy, Aeroplane. J. Esslinger. 1,980,391; Nov. 13.
Toy pistol. R. A. Frisbie. Des. 93,810; Nov. 13.
Toy weapon. E. S. Peake. 1,980,290; Nov. 13.
Track recorder system. E. A. Sperry. 1,980,706; Nov. 13.
Tractor guide, Power operated. C. K. Salisbury. 1,980,553; Nov. 13.
Transmission, Automotive. H. C. Snow and A. A. Stone. 1,980,505; Nov. 13.
Transmission system. D. A. Barnett. 1,980,656; Nov. 13.
Transmitter and recorder, Piezo-electric. A. A. Thomas. 1,980,888; Nov. 13.
Trap: *See*—
Insect trap.
Traveling bag. J. M. Brady. 1,980,714; Nov. 13.
Tray cleaner. T. F. Toniatti. 1,980,602; Nov. 13.
Tray receptacle holder. V. L. Covert. 1,980,575; Nov. 13.
Trimmer, Hedge. R. T. Kauffman. 1,980,865; Nov. 13.
Trolley shoes, Making. A. J. Langhammer. 1,980,540; Nov. 13.
Trough for animals, Drinking. G. Schneider. 1,980,640; Nov. 13.
Tube: *See*—
Cathode ray oscillograph tube.
Electron discharge tube.
Electrooptical tube.
Self-sealing paste tube.
Thermionic tube.
Tube cap, Paste. J. W. Tanfield. 1,980,642; Nov. 13.
Tube joint. F. L. Taylor. 1,980,451; Nov. 13.
Tube mill layout. W. Bark and O. F. Olson. 1,980,368; Nov. 13.
Tube reducing means. J. R. Coe. 1,980,186; Nov. 13.
Tube support and cooling system, High power. L. A. Gebhard, E. L. White, and C. F. Rudolph. 1,980,753; Nov. 13.
Tubes, Corrugating. J. V. Giesler. 1,980,264; Nov. 13.
Tuberculosis, Means to prevent the spread of. F. B. Kilmer. 1,980,953; Nov. 13.
Tubular members, Apparatus for manufacturing. W. J. Bauer. 1,980,173; Nov. 13.
Tunnel liner. A. E. Wilkoff. 1,980,963; Nov. 13.
2-nitrodiphenyl, Manufacture of. H. Lange. 1,980,537; Nov. 13.
Typographical mold. H. J. Megley. 1,980,421; Nov. 13.
Universal joint. M. I. Bradley. 1,980,846; Nov. 13.
Upholstering cover. H. F. Leopold. 1,980,489; Nov. 13.
Upsetting mechanism. R. L. Wilcox. 1,980,653; Nov. 13.
Utensil, Cooking. W. T. Christman. 1,980,383; Nov. 13.
Vacuum producing apparatus. H. M. Graham. 1,980,398; Nov. 13.
Vacuum tube grid construction. C. J. Kayko and P. A. Stoll. 1,980,341; Nov. 13.
Valve: *See*—
Float controlled valve.
Gate valve.
Lubricated gate valve.
Thermostatic valve.
Valve. G. D. Bradshaw. 1,980,374; Nov. 13.
Valve. W. C. Elze. Des. 93,818; Nov. 13.
Valve. J. F. Muir. 1,980,495; Nov. 13.
Valve. A. V. Sims. 1,980,833; Nov. 13.
Valve device, Back-up. C. C. Farmer. 1,980,327; Nov. 13.
Valve for feed water regulators. V. V. Veenschoten. 1,980,455; Nov. 13.
Valve for translation of sound effects, Light. F. H. Owens. 1,980,223; Nov. 13.
Valve installation for steam generators, Safety. D. MacNicoll. 1,980,591; Nov. 13.
Valve operating mechanism. C. S. Burnett. 1,980,379; Nov. 13.
Valves, Making inlaid metal. A. T. Colwell. 1,980,716; Nov. 13.
Vanity case. W. G. Kendall. 1,980,921; Nov. 13.
Vaporizer for internal combustion engines, Low grade fuel. H. E. Musselwhite. 1,980,496; Nov. 13.
Vapors, Cracking of petroleum. A. M. Wood. 1,980,462; Nov. 13.
Varnish, Moisture resistant. M. E. Delaney. 1,980,258; Nov. 13.
Vehicle body construction. A. S. Thompson. 1,980,559; Nov. 13.
Vehicle brake. J. W. White. 1,980,512; Nov. 13.
Vehicle, Endless track. A. Kégresse. 1,980,276; Nov. 13.
Vehicle, Motor. G. H. Curtiss. 1,980,613; Nov. 13.
Vehicle, Motor-driven. R. H. Koppel and J. Linden. 1,980,277; Nov. 13.

Vehicle structure. F. E. Dayes. 1,980,787; Nov. 13.
Vehicle transport. R. B. Simning. 1,980,298; Nov. 13.
Vending machine. F. R. Nelson. 1,980,819; Nov. 13.
Vibrator, Power driven. M. Andis. 1,980,312; Nov. 13.
Vitamin D, Synthesis of. H. G. Campsie. 1,980,971; Nov. 13.
Wall board. A. H. Harrison. 1,980,681; Nov. 13.
Wall covering. K. C. Miller and H. B. Little. 1,980,347; Nov. 13.
Warning signal. T. J. Scofield, A. C. Gregoroff, F. W. Billig, and W. Sparks. 1,980,296; Nov. 13.
Waste disposal. A. Wright. 1,980,244; Nov. 13.
Watch, Combination wrist. H. A. Kehl. 1,980,207; Nov. 13.
Water heater. L. F. Morgan. 1,980,424–5; Nov. 13.
Water softening apparatus. S. B. Applebaum. 1,980,161; Nov. 13.
Wax, Bleaching. A. Hough. 1,980,273; Nov. 13.
Waxes, Purification and bleaching of. A. Hough. 1,980,338; Nov. 13.
Web controlling mechanism for page projectors. R. F. Dirkes and R. Wentworth. 1,980,324; Nov. 13.
Welded joint. R. L. Wagner. 1,980,561; Nov. 13.
Welding apparatus, Arc. W. E. Stine. 1,980,447; Nov. 13.
Welding machine, Drum. W. J. Boyle, jr., and L. S. Rosener. 1,980,164; Nov. 13.
Welding rod. J. M. Sawhill and G. A. Mead. 1,980,229; Nov. 13.
Welding tool. F. D. Rogers. 1,980,228; Nov. 13.
Wells, Apparatus and method for developing and gravel treating. J. Q. Peeples. 1,980,632; Nov. 13.
Wells, Method and apparatus for cementing. M. Manning. 1,980,942; Nov. 13.
Wetting agents. E. Lurie. 1,980,543; Nov. 13.
Wheel: *See*—
Automobile wheel.
Dual wheel.
Wheel. R. J. Burrows and A. O. Williams. 1,980,663; Nov. 13.
Wheel. C. W. Gannett. 1,980,479; Nov. 13.
Wheel. L. G. Knapp. 1,980,412; Nov. 13.
Wheel. J. W. Vanderveer. 1,980,710; Nov. 13.
Wheel alignment and turning mechanism for trailer cars. G. Dunlop. 1,980,751; Nov. 13.
Windshield cleaner. W. M. Beckwith. 1,980,568; Nov. 13.
Windshield cleaner. C. K. Knight. 1,980,590; Nov. 13.
Window construction C. E. Julin. 1,980,275; Nov. 13.
Window post and guide construction. R. T. Axe. 1,980,313; Nov. 13.
Window regulator. J. H. Roethel. 1,980,501; Nov. 13.
Wiper and heater, Combined windshield. F. P. Cartwright. 1,980,254; Nov. 13.
Wire, Ready-to-solder. G. Tompkins. 1,980,890; Nov. 13.
Work guide. H. Davis. 1,980,108; Nov. 13.
Wrench. C. K. Huthsing. 1,980,862; Nov. 13.
X-ray table. R. D. Cass. 1,980,848; Nov. 13.
Zinc metal, Purifying. P. M. Cinder, G. T. Mahler and H. M. Cyr. 1,980,480; Nov. 13.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 13, 1934

NOTE.—First number=class, second number=subclass, third number=patent number

1— 2: 1,980,592
46.1: 1,980,967
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118: 1,980,759
295— 11: 1,980,663
296— 28: 1,980,787
31: 1,980,446
37: 1,980,210
84: 1,980,633
299— 28: 1,980,171
46: 1,980,427
107. 5: 1,980,743
131: 1,980,460
140: 1,980,464
301— 13: 1,980,710
16: 1,980,314
63: 1,980,479
108: 1,980,646
302— 11: 1,980,782
303— 6. 1: 1,980,334
35: 1,980,504
40: 1,980,420
51: 1,980,327
83: 1,980,322
304— 11: 1,980,854
305— 9: 1,980,276
308— 47: 1,980,965
184: 1,980,580
210: 1,980,412
309— 21: 1,980,658
312— 42: 1,980,819

U. S. GOVERNMENT PRINTING OFFICE: 1934

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ackerman-Gould Corp., New York, N. Y. Machines for creasing, cutting, etc., leather and paper; leather skiving and splitting machines, beltless emery-wheel drives and leather-clicking presses. Serial No. 353,495; Nov. 20. Class 23.

Acme Shear Company, The, Bridgeport and Knowlton, Conn. Scissors and shears. Serial Nos. 356,569–70; Nov. 20. Class 23.

Alexander & Baldwin, Ltd., Honolulu, Hawaii. Rice. Serial Nos. 353,790–2; Nov. 20. Class 46.

Amalgamated Roofing Company, Chicago, Ill. Roofing and siding materials. Serial No. 356,172; Nov. 20. Class 12.

American Anode Inc., Akron, Ohio. Applicators for use with hydro-thermal, therapeutic devices. Serial No. 356,936; Nov. 20. Class 44.

American Anode, Inc., Akron, Ohio. Latex. Serial No. 356,937; Nov. 20. Class 1.

American Color and Chemical Co., The, Boston, Mass. Insecticides, soap spray, etc. Serial No. 356,828; Nov. 20. Class 6.

American Cyanamid & Chemical Corporation, New York, N. Y. Plasticizer for lacquers and films. Serial No. 356,209; Nov. 20. Class 6.

American Pad & Textile Company, The, Greenfield, Ohio. Life preservers. Serial No. 342,453; Nov. 20. Class 22.

Anderson, Oliver O., Des Moines, Iowa. Miniature golf game. Serial No. 333,878; Nov. 20. Class 22.

Arakelian, K., Inc., Madera, Calif. Wines. Serial No. 348,158; Nov. 20. Class 47.

Arango, Jose & Company, Chicago, Ill. Cigars. Serial No. 355,555; Nov. 20. Class 17.

Atlantic Register Company, Waltham, Mass. Manifolding forms. Serial No. 356,987; Nov. 20. Class 37.

Atlas Paint & Varnish Co. (See Wexler, Joseph.)

Augusta Knitting Corporation, Utica, N. Y. Men's, children's, and women's union suits. Serial No. 355,723; Nov. 20. Class 39.

Azodal Company, Inc., Bronxville, N. Y. Medicinal and pharmaceutical preparations. Serial No. 356,066; Nov. 20. Class 6.

Baker Furniture Factories, Inc., Grand Rapids, Mich. Furniture polish. Serial No. 356,329; Nov. 20. Class 16.

Baxter, Don, Inc., Glendale, Calif. Intravenous solutions. Serial No. 345,534; Nov. 20. Class 6.

Beck & Gregg Hardware Company, Atlanta, Ga. Rakes, hoes, shovels, etc. Serial No. 348,626; Nov. 20. Class 23.

Belmont Brewing Co., Martins Ferry, Ohio. Ale. Serial No. 357,116; Nov. 20. Class 48.

Belmont Packing & Rubber Company, The, Philadelphia, Pa. Packing and packing material. Serial No. 353,698; Nov. 20. Class 35.

Bianchini, Ferier, Lyon, France. Piece goods of wool, silk, rayon, etc. Serial No. 356,202; Nov. 20. Class 42.

Black Gold Refining Company, Oklahoma City, Okla. Gasoline, naphthas, kerosene, etc. Serial No. 344,037; Nov. 20. Class 15.

Blackhawk Mfg. Co., Milwaukee, Wis. Snow plows, road scrapers, scarifiers. Serial No. 355,876; Nov. 20. Class 23.

Bloomingdale Bros., Inc., New York, N. Y. Rugs, floor coverings, and rug cushions. Serial No. 356,212; Nov. 20, Class 42.

Bridgeport Coach Lace Company, The, Bridgeport, Conn. Beaded fabric. Serial No. 354,887; Nov. 20. Class 42.

Burgess Battery Company, Freeport, Ill. Dry cell batteries. Serial No. 356,657; Nov. 20. Class 21.

Burns, Robert, Hospital Laboratories. (See Whamond, Alexander A.)

Burstein, Charles, & Bro. Inc., New York, N. Y. Ladies' hand bags and purses. Serial No. 356,865; Nov. 20. Class 3.

California Prune & Apricot Growers Association, San Jose, Calif. Dried fruits. Serial No. 353,699; Nov. 20. Class 46.

Cando Corporation, The, Cambridge, Mass. Deodorizers. Serial No. 355,661; Nov. 20. Class 6.

Cannon Shoe Company, Baltimore, Md. Leather shoes. Serial No. 355,462; Nov. 20. Class 39.

Capson Hat Company, Inc., Fall River, Mass. Men's hats and caps. Serial No. 356,575; Nov. 20. Class 39.

Carborundum Company, The, Niagara Falls, N. Y. Artificial abrasive grains. Serial No. 356,867; Nov. 20. Class 4.

Carling Breweries Limited, London, Ontario, Canada. Ale. Serial No. 347,543; Nov. 20. Class 48.

Carpano, Giuseppe B., Turin, Italy. Vermouths. Serial No. 352,426; Nov. 20. Class 47.

Casa Vinicola F. Bertocchini & Co., Leghorn, Italy. Wines. Serial No. 351,906; Nov. 20. Class 47.

Catelli Macaroni Products Corporation, Limited, Montreal, Quebec, Canada. Alimentary pastes. Serial No. 356,178; Nov. 20. Class 46.

Chilton Company, Philadelphia, Pa. Publication. Serial No. 354,563; Nov. 20. Class 38.

Claude Neon Displays, Inc., Buffalo, N. Y. Electrical lighting units. Serial No. 356,470; Nov. 20. Class 21.

Clear Spring Distilling Company, Chicago, Ill. Whiskey. Serial No. 357,091; Nov. 20. Class 49.

Columbia Distilling Co. (See Tonkin Distributing Co.)

Columbia Petroleum Products Co. (See Radbill, Samuel.)

Commerce Clearing House, Inc., Chicago, Ill. Magazine. Serial No. 357,174; Nov. 20. Class 38.

Commercial Solvents Corporation, New York, N. Y. Denatured alcohol. Serial No. 357,118; Nov. 20. Class 6.

Cookwear Company of America, Hartford, Mich. Base metal cooking hollow ware. Serial No. 354,071; Nov. 20. Class 13.

Crawford Manufacturing Co., Inc., Richmond, Va. Slip covers for automobile seats and furniture. Serial No. 356,217; Nov. 20. Class 32.

Crosley Radio Corporation, The, Cincinnati, Ohio. Air conditioning bed coolers. Serial No. 355,353; Nov. 20. Class 44.

Dethleffsen, Herm. G., Flensburg, Germany. Aquavit (alcoholic liquor). Serial No. 355,700; Nov. 20. Class 49.

Dexter, Edwin G., Washington, D. C. Blank books. Serial No. 356,104; Nov. 20. Class 37.

Doll, Emil, West New York, N. J. Tooth brushes. Serial No. 355,004; Nov. 20. Class 29.

Dor-Lin Distributing Co., St. Louis, Mo. Whiskey. Serial Nos. 357,122–4; Nov. 20. Class 49.

Drew Canning Company, Ltd., Campbell, Calif. Canned fruits, canned vegetables. Serial No. 355,531; Nov. 20. Class 46.

Dworkis, Abraham, Brooklyn, N. Y. Canned fruits, vegetables, and fish; dried fruits, wheat flour, etc. Serial No. 341,647; Nov. 20. Class 46.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. Serial No. 356,477; Nov. 20. Class 39.

Edwards, Otho C., Raleigh, N. C. Medicinal preparation. Serial No. 347,952; Nov. 20. Class 6.

Etieve, Cécile, Paris, France. Perfumes, toilet water, rouge, etc. Serial No. 355,249; Nov. 20. Class 6.

Feminine Products, Inc., New York, N. Y. Shoe brushes. Serial No. 356,222; Nov. 20. Class 29.

Finch, Joseph S., and Company, Schenley, Pa. Whiskey, gin, rum, brandy, and alcoholic cordials. Serial No. 357,096; Nov. 20. Class 49.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. Serial Nos. 357,129–32; Nov. 20. Class 49.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. Serial No. 357,134; Nov. 20. Class 47.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. Serial No. 357,135; Nov. 20. Class 49.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. Serial No. 357,137; Nov. 20. Class 49.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. Serial No. 357,175; Nov. 20. Class 49.

Gavio, Severino, New York, N. Y. Wines. Serial No. 356,836; Nov. 20. Class 47.

General Dental Goods Co., Worcester, Mass. Emollient and lotion for burns, sunburn, wounds, etc. Serial No. 356,902; Nov. 20. Class 6.

General Fittings Company, Providence, R. I. Instrument which will thermostatically control a heating apparatus. Serial No. 356,004; Nov. 20. Class 26.

Golco Sanitary System, Inc., Philadelphia, Pa. Toilet paper. Serial No. 357,001; Nov. 20. Class 37.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Slightly extensible film, sheet or strip. Serial No. 356,283; Nov. 20. Class 50.

Grand Lake Company, The, Chisholm, Maine, and New York, N. Y. Paper bags. Serial Nos. 357,002–8; Nov. 20. Class 2.

Growers & Packers Canning Company, North Collins, N. Y. Canned fruits and vegetables. Serial No. 357,138; Nov. 20. Class 46.

H. & F. Food Products Corporation, Buffalo, N. Y. Salad dressing. Serial No. 354,106; Nov. 20. Class 46.

Haberle Congress Brewing Co., Inc., Syracuse, N. Y. Ale. Serial No. 354,036; Nov. 20. Class 48.

Haymes and Mann, New York, N. Y. Dental supplies. Serial No. 352,375; Nov. 20. Class 44.

Heilkraft Medical Company, Boston, Mass. Preparation for promotion of granulation and epithelial growth, and for the treatment of burns, ulcers, etc. Serial No. 355,804; Nov. 20. Class 6.

Hill-Luthy Co., Peoria, Ill. Maltless beverages and water. Serial No. 349,931; Nov. 20. Class 45.

Hillsdale Manufacturing Company, Hillsdale, Mich. Coats and lumber jackets. Serial No. 356,111; Nov. 20. Class 39.

Hoover, W. R., Inc., Buffalo, N. Y. Precious metals and alloys. Serial No. 356,191; Nov. 20. Class 14.

Hudnut, Richard, New York, N. Y. Compacts and combination vanity boxes. Serial No. 355,805; Nov. 20. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Huette, Walter B., doing business as Pasteen Ointment Company, St. Louis, Mo. Skin ointment. Serial No. 353,895; Nov. 20. Class 6.

Hunt, C. Howard, Pen Company, Camden, N. J. Pens. Serial No. 357,052; Nov. 20. Class 37.

Indianapolis Glove Company, Indianapolis, Ind. Gloves and mittens. Serial No. 355,512; Nov. 20. Class 39.

Ivex Laboratories. (See Stamford Rubber Supply Company, The.)

Jantzen Knitting Mills, Portland, Oreg. Swimming suits. Serial No. 356,806; Nov. 20. Class 39.

Johnson & Johnson, New Brunswick, N. J. Preparation for intestinal stasis. Serial No. 354,463; Nov. 20. Class 6.

Johnson, S. C., & Son, Inc., Racine, Wis. Paint enamels and liquid polish. Serial Nos. 326,861–2; Nov. 20. Class 16.

Jones, R. W., Inc., Buffalo, N. Y. Dairy products. Serial No. 356,352; Nov. 20. Class 46.

Kable Brothers Company, Mount Morris, Ill. Periodical. Serial No. 356,623; Nov. 20. Class 38.

Kelco Company, San Diego, Calif. Alginate product to be used in the dairy trade. Serial No. 355,890; Nov. 20. Class 6.

Kema Products Corporation, Chicago, Ill. Composition for welding cracks and leaks. Serial No. 351,813; Nov. 20. Class 6.

Kewpie Dress Co. Inc., New York, N. Y. Infants' and children's dresses. Serial No. 354,159; Nov. 20. Class 39.

Kings International Incorporated, Chicago, Ill. Gin. Serial No. 349,285; Nov. 20. Class 49.

Kraft, David H., New York, N. Y. Ladies' slips. Serial No. 352,288; Nov. 20. Class 39.

Lady Eugenia, New York, N. Y. Cosmetic preparations. Serial No. 351,214; Nov. 20. Class 6.

Land o' Lakes Creameries, Inc., Minneapolis, Minn. Maple syrup. Serial No. 356,206; Nov. 20. Class 46.

Le Boeuf, William G., doing business as Venus Chewing Gum Co., Milwaukee, Wis. Reducing chewing gum. Serial No. 354,900; Nov. 20. Class 6.

Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt hats. Serial No. 349,943; Nov. 20. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes. Serial No. 356,117; Nov. 20. Class 6.

Lever Brothers Company, Cambridge, Mass. Soap. Serial No. 356,525; Nov. 20. Class 4.

Levin, Ezra, Chicago, Ill. Cereal grain germ product. Serial No. 356,591; Nov. 20. Class 46.

Lindley, Randall E., doing business as Rel Tablet Company, Kokomo, Ind. Stomach tablets. Serial No. 356,811; Nov. 20. Class 6.

Lipshitz, Charles, New York, N. Y. Ladies' underwear. Serial No. 355,089; Nov. 20. Class 39.

Loewenthal, Siegfried, Company, The, Cleveland, Ohio. Whisky. Serial No. 354,310; Nov. 20. Class 49.

Loewenthal, Siegfried, Company, The, Cleveland, Ohio. Whisky. Serial No. 354,314; Nov. 20. Class 49.

M. & L. Typesetting & Electrotyping Company, Chicago, Ill. Cast metal bases for printing purposes. Serial No. 356,312; Nov. 20. Class 14.

M. & L. Typesetting and Electrotyping Company, Chicago, Ill. Type and type composition. Serial No. 356,313; Nov. 20. Class 14.

MacLennan, John A., doing business as Permo-Tect Mothproofing Company, Toronto, Ontario, Canada. Mothproofing agents. Serial No. 355,627; Nov. 20. Class 6.

Maplecrest Turkey Farms, Wellman, Iowa. Dressed turkeys. Serial No. 354,567; Nov. 20. Class 46.

Martin, J. D., Woodlake, Calif. Fresh grapes and oranges. Serial No. 354,467; Nov. 20. Class 46.

Martinez, A., Corporation, New York, N. Y. Maltless sirups. Serial No. 356,526; Nov. 20. Class 45.

McCord-Stewart Company, Atlanta, Ga. Food products. Serial No. 350,703; Nov. 20. Class 46.

McLeslie, James, Inc., Chicago, Ill. Preparation for curing meat products. Serial No. 356,260; Nov. 20. Class 46.

Meinert, Nicholas J., doing business as Meinert Laboratories, Oakland, Calif. Cosmetics and chemicals used by morticians in embalming. Serial No. 356,228; Nov. 20. Class 6.

Michigan Alkali Company, Wyandotte, Mich. Fumigant. Serial No. 354,569; Nov. 20. Class 6.

Minneapolis Knitting Works, Minneapolis, Minn. Infants', children's, and misses' underwear. Serial Nos. 356,425–3; Nov. 20. Class 39.

Modern Mfg. Co., New York, N. Y. Misses' and women's cotton dresses and frocks. Serial No. 354,765; Nov. 20. Class 39.

Moto-Sway Corporation of America, Chicago, Ill. Rocking devices for automobiles. Serial No. 356,229; Nov. 20. Class 23.

Mystol Manufacturing Company. (See Smith, Clarence P.)

Nevah Laboratories. (See Teah, Philip A.)

New England Distillers, Incorporated, Clinton, Mass. Rum. Serial Nos. 357,054–5; Nov. 20. Class 49.

Northern Paper Mills, Green Bay, Wis. Toilet paper. Serial No. 356,284; Nov. 20. Class 37.

Osterstock, Harry J., doing business as Seltz Brewing Co., Easton, Pa. Malt beverages. Serial No. 357,149; Nov. 20. Class 48.

Palazzolo, Joseph, New York, N. Y. Tooth paste, dentifrice. Serial No. 356,850; Nov. 20. Class 6.

Paramount Baking Co. Inc., Decatur, Ill. Bread, rolls, pies, etc. Serial No. 353,482; Nov. 20. Class 46.

Pasteen Ointment Company. (See Huette, Walter B.)

Pelloni, John, Ellwood City, Pa. Prepared washing fluid. Serial No. 355,270; Nov. 20. Class 6.

Permo-Tect Mothproofing Company. (See MacLennan, John A.)

Phillips, Frederick, Boston, Mass. Wheat flour. Serial No. 349,052; Nov. 20. Class 46.

Poggi, Godfrey F., doing business as Vermicox Company, Sorrento, San Diego, Calif. Live-stock medicines. Serial No. 355,271; Nov. 20. Class 6.

Publishers Syndicate, Chicago, Ill. Newspaper cartoons. Serial No. 357,059; Nov. 20. Class 38.

Radbill, Samuel, doing business as Columbia Petroleum Products Co., Philadelphia, Pa. Dry-cleaning fluid. Serial No. 356,817; Nov. 20. Class 4.

Rath Packing Company, The, Waterloo, Iowa. Deviled ham. Serial No. 356,197; Nov. 20. Class 46.

Rel Tablet Company. (See Lindley, Randall E.)

Rex Dog Food Products Company, Brooklyn, N. Y. Canned foods for dogs, cats, and carniverous animals. Serial No. 351,871; Nov 20. Class 46.

Root Pop Bottling Company, Inc., Washington, D. C. Maltless beverages. Serial No. 356,639; Nov. 20. Class 45.

Rost, Benjamin H., doing business as Zendico Hygiene Products Co., New York, N. Y. Tooth powders. Serial No. 348,566; Nov. 20. Class 6.

Rubatex Products, Inc., Wilmington, Del. Structural material of rubber composition. Serial No. 347,188; Nov. 20. Class 12.

Rykoff, S. E., & Company, Los Angeles, Calif. Straight whiskey. Serial No. 353,149; Nov. 20. Class 49.

Sakamaki, Francis S., San Francisco, Calif. Ginseng, used as a medicinal tonic. Serial No. 337,140; Nov. 20. Class 6.

Salutaris Mineral Springs Company. (See Smith, Maynard S.)

Salzman & Klinger, Inc., New York, N. Y. Netting. Serial No. 356,084; Nov. 20. Class 42.

Sarnoff-Irving, Inc., New York, N. Y. Men's and boys' suits and topcoats. Serial No. 356,199; Nov. 20. Class 39.

Scheierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. Serial No. 356,675; Nov. 20. Class 39.

Schoenhofen Edelweiss Company, Chicago, Ill. Malt beverages. Serial No. 357,062; Nov. 20. Class 48.

Sears, Roebuck and Co., Chicago, Ill. Rubber waterproof footwear. Serial No. 348,200; Nov. 20. Class 39.

Seltz Brewing Co. (See Osterstock, Harry J.)

Smith, Clarence P., doing business as Mystol Manufacturing Company, Glens Falls, N. Y., assignor to Mystol Manufacturing Company, Kansas City, Mo. Nasal inhalants, nasal drops, cough syrups, etc. Serial No. 354,393; Nov. 20. Class 6.

Smith, Maynard S., doing business as Salutaris Mineral Springs Company, St. Clair, Mich. Mineral water and ginger ale. Serial No. 355,987; Nov. 20. Class 45.

Societe Anonyme Creme Simon, Anciennement J. Simon & Cie., Lyon, France. Toilet creams. Serial No. 353,041; Nov. 20. Class 6.

Southern Kraft Corporation, New York, N. Y. Kraft paper. Serial No. 347,601; Nov. 20. Class 37.

Spreckels, W. P., & Co., Inc., New York, N. Y. Wines. Serial No. 357,153; Nov. 20. Class 47.

Stamford Rubber Supply Company, The, doing business as the Ivex Laboratories, Stamford, Conn. Detergent and polishing materials. Serial No. 354,775; Nov. 20. Class 4.

Stamford Rubber Supply Company, The, Stamford, Conn. Oils used in the production of rubber substitutes. Serial No. 355,155; Nov. 20. Class 6.

Sterilek Company Inc., The, Brooklyn, N. Y. Paper napkins and toilet paper. Serial No. 356,127; Nov. 20. Class 37.

Stride Products Corporation, Cleveland, Ohio. Medicated corn pads and moleskin, medicated instep pads, etc. Serial No. 355,593; Nov. 20. Class 6.

Tabozzi, Giacinto, Milan, Italy. Metal pipes for aircraft. Serial No. 342,820; Nov. 20. Class 13.

Teah, Philip A., doing business as Nevah Laboratories, Lock Haven, Pa. Tablets to relieve pain, neuritis, etc. Serial No. 356,973; Nov. 20. Class 6.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio receiving and transmitting sets, electric pick-ups for phonographs, etc. Serial No. 342,049; Nov. 20. Class 21.

Telefunken Gesellschaft für Drahtlose Telegraphie, Berlin, Germany. Wave meters, cameras, plate holders, etc. Serial No. 351,884; Nov. 20. Class 26.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning forks and musical instruments. Serial No. 351,885; Nov. 20. Class 30.

Tonkin Distributing Co., doing business as Columbia Distilling Co., San Francisco, Calif. Whiskey. Serial No. 357,155; Nov. 20. Class 49.

Torvic Oil Burner Corporation, Hagerstown, Md. Oil burners. Serial No. 357,072; Nov. 20. Class 34.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

U. & J. Lenson Co., New York, N. Y. Roasted coffee. Serial No. 355,738; Nov. 20. Class 46.

United Feature Syndicate, Inc., New York, N. Y. Comic strip. Serial No. 342,146; Nov. 20. Class 38.

Upson Company, The, Lockport, N. Y. Fiber board. Serial No. 357,112; Nov. 20. Class 37.

Vascoloy-Ramet Corporation, North Chicago, Ill. Tools and parts of tools. Serial No. 353,247; Nov. 20. Class 23.

Venus Chewing Gum Co. (See Le Boeuf, William G.)

Vermicox Company. (See Poggi, Godfrey F.)

Von Allmen Preserving Co., Inc., Louisville, Ky. Salad dressing and relish spread. Serial No. 349,297; Nov. 20. Class 46.

Walgreen Co., Chicago, Ill. Tooth brushes. Serial No. 347,427; Nov. 20. Class 29.

Walters, Edgar B., Organization Incorporated, New York, N. Y. Robes and blankets. Serial No. 355,341; Nov. 20. Class 42.

Ward, Thomas, Distilling Company, Incorporated, The, Westminster, Md. Whiskey. Serial No. 357,105; Nov. 20. Class 49.

Weiner, Max, doing business as Max Weiner & Co., Philadelphia, Pa. Shirts. Serial No. 356,205; Nov. 20. Class 39.

Wexler, Joseph, doing business as Atlas Paint & Varnish Co., New York, N. Y. Paints, varnishes, paint enamels, etc. Serial No. 356,132; Nov. 20. Class 16.

Whamond, Alexander A., doing business as Robert Burns Hospital Laboratories, Chicago, Ill. Preparation for relief from effects of alcoholic over-indulgence and for stomach distress. Serial No. 356,133; Nov. 20. Class 6.

Whipple, A. M., doing business as A. M. Whipple & Co., Watsonville, Calif. Fresh vegetables. Serial No. 355,503; Nov. 20. Class 46.

Wilmerding & Bisset, New York, N. Y. Canvas for interlining purposes. Serial No. 356,243; Nov. 20. Class 42.

Windsor Manufacturing Co., Inc., Orange, N. J. Safety razor blades. Serial No. 356,325; Nov. 20. Class 23.

Wirklich, Nathan, executor of the estate of Joseph Wirklich, New York, N. Y. Still wines. Serial No. 353,422; Nov. 20. Class 47.

York Pharmacal Company, St. Louis, Mo. Shaving cream. Serial No. 356,980; Nov. 20. Class 4.

Zendico Hygiene Products Co. (See Rost, Benjamin H.)

Zenith Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof. Serial No. 357,077; Nov. 20. Class 21.

Zotos Corporation, New York, N. Y. Hair waving pads. Serial No. 356,560; Nov. 20. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, A. Theodore, & Company to A. Theo. Abbott & Co. Inc., Philadelphia, Pa., successor. Silk curtains and silk goods. 100,738; renewed Oct. 27, 1934.

Air-In Spark Plug Co. (See Rounsevell, Fred L.)

Albers Bros. Milling Co., Portland, Oreg., and San Francisco, Oakland, Los Angeles, Riverside, Fresno, etc., Calif. Poultry food. 319,411; Nov. 20. Class 46.

Alsup, W. R., doing business as Raw-War Manufacturing Company, Gladeville, Tenn. Poultry tonic. 319,284; Nov. 20; Serial No. 353,497; published Sept. 4, 1934. Class 6.

American Cyanamid & Chemical Corporation, New York, N. Y. Wetting agent for accelerating the removal of lead and arsenic residues from apples. 319,138; Nov. 20; Serial No. 354,364; published Sept. 11, 1934. Class 6.

America Dry Corporation, New York, N. Y. Maltless beverages and Potable Natural Water, including ginger ale. 319,390; Nov. 20. Class 45.

American Publishers' Supply. (See Clark, George M.)

American Scientific Laboratories. (See Gradstein, Irving.)

American Thread Company, The, Jersey City, N. J., and New York, N. Y. Cotton thread. 319,218; Nov. 20; Serial No. 353,875; published Sept. 4, 1934. Class 43.

Anhalt, Wilhelm, Gesellschaft mit beschränkter Haftung, Kolberg, by changes of name to Enterikultur A.-G., Ostseebad Kolberg, Germany. Soap. 44,205; renewed Feb. 21, 1935.

Ardon Co. (See Bower, William.)

Armsby, J. K., Co., The, assignor to California Packing Corporation, San Francisco, Calif. Rice, tapioca, spices, and syrup for foods. 102,354; renewed Feb. 9, 1935.

Armsby, J. K., Co., The, assignor to California Packing Corporation, San Francisco, Calif. Canned fruits and canned vegetables. 102,780; renewed Feb. 23, 1935.

Arnold, Marie. (See Sherman, M. A.)

B. V. D. Company, Inc., The, Baltimore, Md. Underwear. 319,195; Nov. 20; Serial No. 353,594; published Sept. 11, 1934. Class 39.

Baltimore Clothes, Inc., Baltimore, Md. Men's and boys' clothing. 319,335; Nov. 20; Serial No. 352,655; published Sept. 11, 1934. Class 39.

Barker & Barker, Inc., Providence, R. I. Precious, semi-precious, and artificial gems and stones, etc. 319,361; Nov. 20; Serial No. 353,975; published Sept. 11, 1934. Class 28.

Barnhardt Brothers, Charlotte, N. C. Rayon yarn. 319,294; Nov. 20; Serial No. 345,324; published Sept. 4, 1934. Class 43.

Barrie & Kersel, Hawick, Scotland. Clothing. 319,183; Nov. 20; Serial No. 347,895; published Sept. 11, 1934. Class 39.

Battle Creek Biscuit Company, Battle Creek, Mich. Filled and coated biscuits and crackers. 319,344; Nov. 20; Serial No. 349,557; published Sept. 11, 1934. Class 46.

Baum, Frank, Inc., New York, N. Y. Coats. 319,316; Nov. 20; Serial No. 352,847; published Aug. 28, 1934. Class 39.

Bellows & Company, Inc., New York, N. Y. Gin. 319,166; Nov. 20; Serial No. 354,109; published Sept. 18, 1934. Class 49.

Berland Shoe Stores, Inc., The, St. Louis, Mo. Wearing apparel. 319,379; Nov. 20. Class 39.

Bickum, Dorothy, New York, N. Y. Corsets, corselettes, brassières, etc. 319,278; Nov. 20; Serial No. 352,154; published Sept. 11, 1934. Class 39.

Bickum, Dorothy, New York, N. Y. Corsets, corselettes, brassières, etc. 319,336; Nov. 20; Serial No. 352,660; published Sept. 11, 1934. Class 39.

Birk Bros. Brewing Co., by changes of name to Birk Bros. Brewing Co., Chicago, Ill. Beer and malt extract. 40,108; renewed Apr. 28, 1933.

Bishop & Babcock Manufacturing Company, The. Beverage coolers. 319,243; Nov. 20; Serial No. 338,717; published Sept. 11, 1934. Class 31.

Bloom, Samuel, Buffalo, N. Y. Overcoats. 319,337; Nov. 20; Serial No. 352,661; published Aug. 28, 1934. Class 39.

Bobrow Bros. Inc. (See Hart, Theodore H., & Co. assignor.)

Bodle, R. D., Company, doing business as Valley Fruit Canning Company, Seattle, Wash. Fruits and berries, fruit preserves and jellies. 319,378; Nov. 20. Class 46.

Bohemian Distributing Co., Ltd., Los Angeles, Calif. Wines. 319,353; Nov. 20; Serial No. 353,911; published Sept. 11, 1934. Class 47.

Bourjois, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 319,238; Nov. 20; Serial No. 338,480; published Sept. 11, 1934. Class 6.

Bower, William, doing business as Ardon Co., New York, N. Y. Cosmetic preparation. 319,313; Nov. 20; Serial No. 350,748; published June 26, 1934. Class 6.

Boyle, John, & Company, Incorporated, New York, N. Y. Cotton ducks and drills, awning stripe and ticking, etc. 319,230; Nov. 20; Serial No. 351,683; published Sept. 11, 1934. Class 42.

Bradford Dyers' Association, Limited, The, Bradford, England. Textile goods. 43,601; renewed Oct. 15, 1934.

Bradford Dyers' Association, Limited, The, Bradford, England. Textile goods. 43,862; renewed Dec. 20, 1934.

Brewing Corporation of Canada, Limited, Toronto, Ontario, Canada. Ales, beers, lagers, etc. 319,233; Nov. 20; Serial Nos. 351,841–3; published Sept. 11, 1934. Class 48.

Brill, H. C., Co., Inc., Newark, N. J. Pudding dessert powder. 319,288; Nov. 20; Serial No. 353,464; published Sept. 11, 1934. Class 46.

Buddies' Beer, Detroit, Mich. Beer. 319,314; Nov. 20; Serial No. 351,010; published Sept. 11, 1934. Class 48.

Butterfield, Fred, & Co., Inc., New York, N. Y. Fabrics of wool, cotton, silk, etc. 319,184; Nov. 20; Serial No. 354,029; published Sept. 4, 1934. Class 42.

Calabro, Fortunato, Highland Park, Ill. Preparation for treatment of the stomach, nervous disorders, etc., and mouth washes. 319,213; Nov. 20; Serial No. 353,748; published Sept. 11, 1934. Class 6.

California Packing Corporation. (See Armsby, J. K., Co., The, assignor.)

Callaway Mills. (See Valway Rug Mills, Inc., assignor.)

Callis and Hammond, Baltimore, Md. Whiskey, gin, brandy, etc. 319,139; Nov. 20; Serial No. 354,343; published Sept. 18, 1934. Class 49.

Campana Corporation, Batavia, Ill. Lotions for the skin. 319,293; Nov. 20; Serial No. 339,450; published Sept. 4, 1934. Class 6.

Cannon, William S., jr., doing business as Cannon Cosmetics Company, Atlanta, Ga. Astringents, astringent cerates, bleach creams, etc. 319,281; Nov. 20; Serial No. 353,541; published Sept. 4, 1934. Class 6.

Capone, Arthur J., doing business as A. J. Capone Company, New York, N. Y. Wine. 319,148; Nov. 20; Serial No. 354,599; published Sept. 11, 1934. Class 47.

Carlisle Tire & Rubber Co., Carlisle, Pa. Inner tubes for tires. 319,407; Nov. 20. Class 35.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,189; Nov. 20; Serial No. 354,030; published Sept. 11, 1934. Class 42.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,194; Nov. 20; Serial No. 353,596; published Sept. 11, 1934. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,197–9; Nov. 20; Serial Nos. 353,597–9; published Sept. 11, 1934. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,202; Nov. 20; Serial No. 353,600; published Sept. 11, 1934. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,203; Nov. 20; Serial No. 353,702; published Sept. 11, 1934. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,206; Nov. 20; Serial No. 353,706; published Sept. 11, 1934. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 319,207–8; Nov. 20; Serial Nos. 353,703–4; published Sept. 11, 1934. Class 42.
Central West Products Company, Dayton, Ohio. Electric hair dryers. 319,257; Nov. 20; Serial No. 353,207; published Sept. 18, 1934. Class 44.
Chesrow, F. W., & Co., Chicago, Ill. Palatable liquid for treatment of secondary anemia, chlorosis, etc. 319,247; Nov. 20; Serial No. 353,121; published Sept. 4, 1934. Class 6.
Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Absorbent cheesecloth put up in sanitary containers. 319,258; Nov. 20; Serial No. 353,211; published Sept. 11, 1934. Class 42.
City Provision Co., Inc., New York, N. Y. Meats. 319,291; Nov. 20; Serial No. 344,393; published Sept. 11, 1934. Class 46.
Clark, George M., doing business as American Publishers' Supply, Lynn, Mass. Stereotype matrix dryers. 319,156; Nov. 20; Serial No. 354,401; published Sept. 11, 1934. Class 23.
Clover Farm Stores Corporation, Cleveland, Ohio. Apple sauce, baking powder, flour, etc. 319,296; Nov. 20; Serial No. 344,631; published Sept. 11, 1934. Class 46.
Coe Distributors, Inc., New York, N. Y. Gins. 319,174; Nov. 20; Serial No. 352,966; published Sept. 18, 1934. Class 49.
Coffee Refining Co., San Diego, Calif. Coffee. 319,410; Nov. 20. Class 46.
Coffin-Redington Company, doing business as Fremont Distributing Company, San Francisco, Calif. Whiskeys. 319,368; Nov. 20; Serial No. 352,768; published Sept. 18, 1934. Class 49.
Consolidated Wine & Spirit Corp., Los Angeles, Calif. Wine. 319,274; Nov. 20; Serial No. 353,380; published Sept. 11, 1934. Class 47.
Continental Optical Company, Inc. (See One Piece Bifocal Lens Company, assignor.)
Contratto, Alberto, doing business as Giuseppe Contratto, Canelli, Italy. Vermouth, alcoholic bitters, and cocktails, etc. 319,341; Nov. 20; Serial No. 340,124; published Sept. 18, 1934. Class 49.
Cooper, Wells & Co., St. Joseph, Mich. Hosiery for women. 319,211; Nov. 20; Serial No. 353,709; published Sept. 11, 1934. Class 39.
Co-Operative Orange Ass'n., assignor, by mesne assignments, to R. O. MacDonald, Lindsay, Calif. Citrus fruits. 99,956; renewed Sept. 29, 1934.
Cowles Detergent Company, Cleveland, Ohio. Stabilizing agents. 319,176; Nov. 20; Serial No. 346,807; published Mar. 27, 1934. Class 6.
Crittenden, Elwood T., doing business as Crittenden & Co., Long Beach, Calif. Tablets for headache, neuralgia, and muscular aches and pains. 319,261; Nov. 20; Serial No. 353,169; published Sept. 11, 1934. Class 6.
Crossett, Frederick A., doing business as Mansett Laboratories, Chicago, Ill. Hygienic vaginal jellies. 319,250; Nov. 20; Serial No. 348,421; published Sept. 4, 1934. Class 6.
Custode, Angelo, Brooklyn, N. Y. Olive oil. 319,161; Nov. 20; Serial No. 354,368; published Sept. 11, 1934. Class 46.
Dennler, August F., S. A., Interlaken, Switzerland. Stomach bitters made of pure Alpine herbs. 319,240; Nov. 20; Serial No. 352,227; published Sept. 4, 1934. Class 6.
Dennler, August F., S. A., Interlaken, Switzerland. Stomach bitters made of pure Alpine herbs. 319,331; Nov. 20; Serial No. 352,228; published Sept. 4, 1934. Class 6.
Detroit Gasket & Manufacturing Company, Detroit, Mich. Gaskets. 319,354; Nov. 20; Serial No. 353,914; published Sept. 11, 1934. Class 35.
Dewey and Almy Chemical Company. (See Multibestos Company, assignor.)
Dolor Rub Company, The, Hackensack, N. J. Liniment. 319,329; Nov. 20; Serial No. 352,573; published Sept. 4, 1934. Class 6.
Dorf, B. B., & Company, Incorporated, New York, N. Y. Curacao and alcoholic cordials. 319,355; Nov. 20; Serial No. 353,915; published Sept. 18, 1934. Class 49.
Drake Laboratories. (See Sun Ray Drug Company.)
Dunbar-Dukate Co., Inc., New Orleans, La. Canned shrimp and oysters. 319,165; Nov. 20; Serial No. 354,115; published Sept. 11, 1934. Class 46.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical products. 319,269; Nov. 20; Serial No. 353,383; published Sept. 4, 1934. Class 6.
Eagle Signal Corporation, Moline, Ill. Electrical timers and switches for laundry machinery and traffic-signal controllers, etc. 319,180; Nov. 20; Serial No. 347,273; published Sept. 11, 1934. Class 21.
Economy Nursery Company. (See Lovett, John T., jr.)
Eisemann, Phil., Lancaster, Pa. Scalp or head rubbing lotion. 319,320; Nov. 20; Serial No. 352,234; published Sept. 11, 1934. Class 6.
Emery, Alfred H., Poughkeepsie, N. Y. Telegraph keys. 319,217; Nov. 20; Serial No. 353,797; published Sept. 11, 1934. Class 21.
Empire Trading & Mfg. Co. (See Mindlin, Morris.)
Engel & Sackin, New York, N. Y. Handkerchiefs. 319,412; Nov. 20. Class 42.
Enterikultur A.-G. (See Anhalt, Wilhelm, Gesellschaft mit beschränkter Haftung.)
Etablissements E. Bigeon Inc., New York, N. Y. Wines. 319,403; Nov. 20. Class 47.
Fancher, Charles L., Cleveland, Ohio. Diapers. 319,312; Nov. 20; Serial No. 350,687; published Aug. 28, 1934. Class 42.
Farbenfabriken of Elberfeld Co., assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Anesthetic. 44,068; renewed Jan. 24, 1935.
Faribault Woolen Mill Co., Faribault, Minn. Woolen piece goods and woolen blankets. 102,019; renewed Mar. 2, 1935.
Fernandez, Edmundo B., Bayamon, P. R. Rum. 319,157; Nov. 20; Serial No. 354,372; published Sept. 18, 1934. Class 49.
Field, Edwin, & Sons, Limited, Skelmanthorpe, near Huddersfield, England. Woven angora pile floor rugs and mats in the nature of carpets. 319,343; Nov. 20; Serial No. 349,363; published Sept. 11, 1934. Class 42.
Flinn, Fitz A., to F. A. Flinn, Inc., New York, N. Y., successor. Paper and envelops. 43,294; renewed Sept. 6, 1934.
Florido & Co., Sanlucar de Barrameda, Spain. Cognac. 319,321; Nov. 20; Serial No. 352,316; published Sept. 18, 1934. Class 49.
Folkard & Lawrence, Inc., New York, N. Y. Linings. 319,289; Nov. 20; Serial No. 353,472; published Sept. 18, 1934. Class 42.
Foster Products Inc., Chicago, Ill. Board games and puzzles, and novelty games. 319,227; Nov. 20; Serial No. 351,578; published Aug. 28, 1934. Class 22
Franklin Simon & Co., Inc., New York, N. Y. Women's undergarments. 319,173; Nov. 20; Serial No. 352,973; published Sept. 11, 1934. Class 39.
Franklin Simon & Co., Inc., New York, N. Y. Sport-wear. 319,324; Nov. 20; Serial No. 352,433; published Sept. 11, 1934. Class 39.
Franklin Stores Co., Newark, N. J. Whiskey. 319,283; Nov. 20; Serial No. 352,076; published Sept. 18, 1934. Class 49.
Freelan, John C., doing business as The Jonfre Co., Danbury, Conn. Preparation for the feet. 319,222; Nov. 20; Serial No. 353,564; published Sept. 11, 1934. Class 6.
Fremont Distributing Company. (See Coffin-Redington Company.)
Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Boys' cotton wash suits and girls' cotton wash dresses. 319,234; Nov. 20; Serial No. 351,805; published Sept. 4, 1934. Class 39.
Friedlander, Samuel, doing business as S. Friedlander Co., Los Angeles, Calif. Skin ointments. 319,317; Nov. 20; Serial No. 352,856; published Sept. 11, 1934. Class 6.
Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 319,216; Nov. 20; Serial No. 353,800; published Sept. 11, 1934. Class 47.
Garfinckel, Julius, doing business as Julius Garfinckel & Co., Washington, D. C. Men's clothing. 319,172; Nov. 20; Serial No. 352,074; published Aug. 21, 1934. Class 39.
Garfinkey & Ritter, New York, N. Y. Ladies' undergarments. 319,163; Nov. 20; Serial No. 354,078; published Sept. 4, 1934. Class 39.
Geiger, J. W., Inc., New York, N. Y. Fabrics of oiled silk, etc. 319,240; Nov. 20; Serial No. 338,040; published July 11, 1933. Class 50.
General Desserts Corporation, New York, N. Y. Toilet soap tablets. 319,401; Nov. 20. Class 4.
General Electric X-Ray Corporation, Chicago, Ill. Electrodes. 319,356; Nov. 20; Serial No. 353,918; published Sept. 11, 1934. Class 44.
General Paint & Varnish Co., Chicago, Ill. Paint, varnishes, stains, and paint enamels. 319,393; Nov. 20. Class 16.
Germania Mills, Holyoke, Mass., assignor to Germania Fashions, Inc., New York, N. Y. Outer coats. 319,309; Nov. 20; Serial No. 341,284; published Aug. 28, 1934. Class 39.
Gershon & Schreiber, New York, N. Y. Sewing thread. 319,205; Nov. 20; Serial No. 353,642; published Sept. 4, 1934. Class 48.
Ghose, Satish C., doing business as India Incense Company, Chicago, Ill. Incense, face and talcum powder, rouge, etc. 319,259; Nov. 20; Serial No. 353,214; published Sept. 11, 1934. Class 6.
Globe Superior Corporation, Abingdon, Ill. Men's and boys' overalls. 319,357; Nov. 20; Serial No. 353,021; published Sept. 11, 1934. Class 39.
Gloversville Leather Manufacturing Corporation, Gloversville, N. Y. Leather. 103,232; renewed Mar. 23, 1935.
Goodman, Herman, doing business as Goodman Specialty Co., Los Angeles, Calif. Underwear, hosiery, sweaters etc. 319,381; Nov. 20. Class 39.

Gradstein, Irving, doing business as American Scientific Laboratories, New York, N. Y. Cream preparation for use as an aid in the treatment of eczema. 319,342; Nov. 20; Serial No. 349,305; published Sept. 4, 1934. Class 6.
Grasselli Chemical Company, The, Cleveland, Ohio. Insecticides and fungicides. 319,155; Nov. 20; Serial No. 354,408; published Sept. 11, 1934. Class 6.
Grasselli Chemical Company, The, Cleveland, Ohio. Various grades of such acids as acetic, arsenic, chromic, etc. 319,270; Nov. 20; Serial No. 353,303; published Sept. 4, 1934. Class 6.
Green, Edward I., Philadelphia, Pa. Human nasal sprays. 319,268; Nov. 20; Serial No. 353,433; published Sept. 18, 1934. Class 44.
Grobiue Knitting Mills Inc., Newark, N. J. Sweaters, dresses, and coats. 319,178; Nov. 20; Serial No. 347,850; published Sept. 4, 1934. Class 39.
Gross Galesburg Company, Galesburg, Ill. Overalls, work pants, play suits. 319,245; Nov. 20; Serial No. 348,545; published Sept. 4, 1934. Class 39.
Grubb, John H., Decatur, Ill. External liniment. 319,263; Nov. 20; Serial No. 353,130; published Sept. 11, 1934. Class 6.
Hampden Glazed Paper and Card Company, Holyoke, Mass. Writing, printing, and cover paper. 100,323; renewed Oct. 20, 1934.
Harper, James C., Lenoir, N. C. Musicians' uniforms. 319,326; Nov. 20; Serial No. 352,538; published Sept. 11, 1934. Class 39.
Hart, Theodore H., & Co., assignor to Bobrow Bros., Inc., Philadelphia, Pa. Cigars. 43,836; renewed Dec. 13, 1934.
Hassel, Otto H., Chicago, Ill. Shoes, slippers, and boots. 100,705; renewed Oct. 20, 1934.
Hat Corporation of America, South Norwalk, Conn. Wearing apparel. 319,384; Nov. 20. Class 39.
Hays Manufacturing Company, Erie, Pa. Combination faucet. 319,328; Nov. 20; Serial No. 352,539; published Sept. 11, 1934. Class 13.
Hayward Company, The, New York, N. Y. Buckets, counterweight-drums, dredge, excavator, and spud fittings. 102,096; renewed Jan. 26, 1935.
Healy, Raymond, New York, N. Y. Spraying nozzles and parts thereof. 319,374; Nov. 20. Class 13.
Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Washing machines, wringers, and flatirons. 319,188; Nov. 20; Serial No. 354,040; published Sept. 11, 1934. Class 24.
Hilts, Harold C., doing business as Hilts Laboratories, Honolulu, Territory of Hawaii. Insecticides. 319,334; Nov. 20; Serial No. 352,650; published Sept. 11, 1934. Class 6.
Hogg, J. Edmund, Poplar Bluff, Mo. Whiskey. 319,327; Nov. 20; Serial No. 352,540; published Sept. 18, 1934. Class 49.
Horstmann, W. H., & Sons, assignor to Wm. H. Horstmann Company, Philadelphia, Pa. Knitting and embroidery yarns and chenilles. 11,651; renewed Nov. 11, 1934.
Howard Hosiery Company, Sinking Spring, Pa. Stockings. 319,386; Nov. 20. Class 39.
Ide, A. H., & Co., Inc., Troy, N. Y. Shirts and collars. 319,330; Nov. 20; Serial No. 352,580; published Aug. 28, 1934. Class 39.
Imhoff, Max, Clifton, N. J. Preparation for treating and waterproofing textile fabrics. 319,307; Nov. 20; Serial No. 339,724; published Sept. 11, 1934. Class 6.
India Incenser Company. (See Ghose, Satish C.)
International Paper Company, New York, N. Y. Paper. 319,376; Nov. 20. Class 37.
International Shoe Co., St. Louis, Mo. Boots and shoes. 319,204; Nov. 20; Serial No. 353,654; published Sept. 11, 1934. Class 39.
International Vermiculite Company, Chicago, Ill. Composition for sealing motor valves, pistons, and for filling in scores in cylinder walls and pistons. 319,295; Nov. 20; Serial No. 344,936; published Sept. 4, 1934. Class 6.
Iowa Soap Company, Burlington, Iowa. Soap. 102,880; renewed Feb. 23, 1935.
Jacobson, F., & Sons, New York, N. Y. Shirts. 319,253; Nov. 20; Serial No. 352,906; published Aug. 21, 1934. Class 39.
Jacobson-Son, Inc., New York, N. Y. Scarfs and mufflers. 319,318; Nov. 20; Serial No. 352,858; published Sept. 11, 1934. Class 39.
Jacobson-Son, Inc., New York, N. Y. Mufflers. 319,319; Nov. 20; Serial No. 352,860; published Aug. 21, 1934. Class 39.
Jola Co., The. (See Lang, John.)
Jonfre Co., The. (See Freeland, John C.)
Joseph, Emanuel, Chicago, Ill. Whiskey, gin, rum, etc. 319,285; Nov. 20; Serial No. 353,515; published Sept. 18, 1934. Class 49.
Kearns Brothers, Inc., Pinckneyville, Ill. Women's dresses. 319,339; Nov. 20; Serial No. 348,979; published Aug. 8, 1934. Class 39.
Kellogg Company, Battle Creek, Mich. Coffee-like beverage. 319,167; Nov. 20; Serial No. 323,438; published June 14, 1932. Class 46.
Kemp, Irving, Inc., New York, N. Y. Blouses, outershorts, and skirts. 319,272; Nov. 20; Serial No. 353,334; published Sept. 11, 1934. Class 39.
Kenny-Mara Importers Corporation, New York, N. Y. Wines. 319,224; Nov. 20; Serial No. 351,572; published Sept. 11, 1934. Class 47.
Kern, John B. A., & Sons, Milwaukee, Wis. Wheat-flour. 103,291; renewed Mar. 30, 1935.
Kern, Peter, Company, Inc., Knoxville, Tenn., to Schulze Baking Company, Kansas City, Mo., successor. Fruit cakes. 97,621; renewed June 16, 1934.
Kienzler Company, Inc., New York, N. Y. Whiskey, gin, brandy, etc. 319,146; Nov. 20; Serial No. 354,655; published Sept. 18, 1934. Class 49.
Kienzler Company, Inc., New York, N. Y. Rum. 319,362; Nov. 20; Serial No. 353,989; published Sept. 18, 1934. Class 49.
Koninklijke Wiefgoederenfabriek voorheen C. T. Stork & Co., N. V. (See Schwartz, David, Company, Inc., assignor.)
Kramer, J. R., Inc., New York, N. Y. Butter. 319,136; Nov. 20; Serial No. 354,209; published Sept. 11, 1934. Class 46.
Krasnow, Ben B., Sacramento, Calif. Fresh grapes, deciduous fruits, and vegetables. 319,292; Nov. 20; Serial No. 339,401; published Sept. 11, 1934. Class 46.
Landau, Max, doing business as Mar Landau & Co., New York, N. Y. Cheese. 319,229; Nov. 20; Serial No. 351,741; published Aug. 21, 1934. Class 46.
Lang, John, doing business as The Jola Co., Wauwatosa, Wis. Medicine. 319,365; Nov. 20; Serial No. 353,036; published Sept. 4, 1934. Class 6.
La Sierra Heights Canning Co. (See Uddo Taormina Corporation.)
Laurel Hosiery Company, Inc., Reading, Pa. Hosiery. 319,392; Nov. 20. Class 39.
Lavick, S. B., Co., Inc., Chicago, Ill. Belts. 319,168; Nov. 20; Serial No. 240,419; published Jan. 4, 1927. Class 39.
Lentheric, Incorporated, New York, N. Y. Perfumes. 319,147; Nov. 20; Serial No. 354,657; published Sept. 11, 1934. Class 6.
Lettman, Sam, Asheville, N. C. Eye tonic. 43,609; renewed Nov. 15, 1934.
Leyland, Thomas, Machinery Company. (See Walsh, Frederick T.)
Libbey Glass Manufacturing Company, The, Toledo, Ohio. Drinking glasses, bowls, goblets, etc. 319,399–400; Nov. 20. Class 33.
Lilly, Eli, and Company, Indianapolis, Ind. Chemical substance for the treatment of leprosy. 319,221; Nov. 20; Serial No. 353,576; published Sept. 4, 1934. Class 6.
Linden Brewery, Inc., Lindenhurst, Long Island, N. Y. Beer. 319,151; Nov. 20; Serial No. 354,512; published Sept. 11, 1934. Class 48.
Lindsay Wire Weaving Company, The, Cleveland, Ohio. Woven wire belts. 319,383; Nov. 20. Class 23.
Link-Belt Company, Chicago, Ill. Chains and chain links. 319,363; Nov. 20; Serial No. 353,023; published Sept. 11, 1934. Class 13.
Lisner, D., & Co., New York, N. Y. Perfumes, face powder, talcum powder, etc. 319,382; Nov. 20. Class 6.
Little Willie Products Company. (See Meiselbar, William.)
Lloyd Brothers, Pharmacists Inc., Cincinnati, Ohio. Specific medicines, preparations for hypodermic use, compound powders, etc. 319,302; Nov. 20; Serial No. 343,513; published Sept. 11, 1934. Class 6.
London Character Shoes, Inc., New York, N. Y. Shoes. 319,228; Nov. 20; Serial No. 351,575; published Sept. 11, 1934. Class 39.
Lorraine Manufacturing Co., Pawtucket, R. I. Men's suits, coats, robes, etc. 319,350; Nov. 20; Serial No. 350,253; published Sept. 11, 1934. Class 39.
Lovett, John T., jr., doing business as Economy Nursery Company, Little Silver, N. J. Rose bushes, shrubs, vines, etc. 319,377; Nov. 20. Class 1.
MacDonald, R. O. (See Co-Operative Orange Ass'n., assignor.)
Mackay, Eaton M., doing business as Vitamin Animal Foods Co., Los Angeles, Calif. Vitamin concentrate for addition to animal foods. 319,351; Nov. 20; Serial No. 353,899; published Sept. 11, 1934. Class 6.
Macy, R. H., & Co., Inc., New York, N. Y. Cigars and tobaccos. 319,187; Nov. 20; Serial No. 354,046; published Aug. 28, 1934. Class 17.
Mansett Laboratories. (See Crossett, Frederick A.)
Mantell, Herman, New York, N. Y. Hosiery. 319,332; Nov. 20; Serial No. 352,589; published Aug. 21, 1934. Class 39.
Marshall Field & Company, Chicago, Ill. Children's dresses. 319,276–7; Nov. 20; Serial Nos. 353,328–9; published Sept. 11, 1934. Class 39.
Martin, John D., Woodlake, Calif. Grapes. 319,409; Nov. 20. Class 46.
McCurdy and Company, Inc., Rochester, N. Y. Children's shoes. 319,325; Nov. 20; Serial No. 352,496; published Sept. 11, 1934. Class 39.
McNish, Robert, & Co., Ltd., Glasgow, Scotland. Scotch whiskey. 319,398; Nov. 20. Class 49.
Mechling Brothers Chemical Company, Camden, N. J. Insecticides. 319,159; Nov. 20; Serial No. 354,469; published Sept. 11, 1934. Class 6.
Meierfeld, Samuel, New York, N. Y. Eggs. 319,280; Nov. 20; Serial No. 351,473; published Sept. 11, 1934. Class 46.
Meiselbar, William, doing business as Little Willie Products Company, Gary, Ind. Washing powders. 319,160; Nov. 20; Serial No. 354,447; published Sept. 11, 1934. Class 4.
Miller Soap Products, Inc., Los Angeles, Calif. Powdered soap. 319,408; Nov. 20. Class 4.
Mindlin, Morris, doing business as Empire Trading & Mfg. Co., New York, N. Y. Safety razor blades. 319,375; Nov. 20. Class 23.

Minute Safety Razor Corporation, Newark, N. J. Safety razors and safety razor blades. 319,395; Nov. 20. Class 23.

Monsanto Chemical Company, St. Louis, Mo. Sulphites and boiler water treating chemicals. 319,212; Nov. 20; Serial No. 353,787; published Sept. 11, 1934. Class 6.

Montgomery Company, The, Windsor Locks, Conn. Abrasive scouring and cleaning balls, mitts, and mats. 319,414; Nov. 20. Class 4.

Morey, Herbert E., doing business as The Morey Company, Los Angeles, Calif. Medicinal preparation. 319,271; Nov. 20; Serial No. 353,402; published Sept. 11, 1934. Class 6.

Morgado & Silva, Villa Nova de Gaya, Portugal. Port wine. 319,279; Nov. 20; Serial No. 351,076; published Sept. 11, 1934. Class 47.

Mount Rose Distilling Co., Trenton, N. J. Dry gin. 319,177; Nov. 20; Serial No. 346,170; published Sept. 18, 1934. Class 49.

Multibestos Company, Walpole, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Brake linings. 319,215; Nov. 20; Serial No. 353,814; published Sept. 11, 1934. Class 35.

Murray Battery Company, Philadelphia, Pa. Storage batteries. 319,185; Nov. 20; Serial No. 354,014; published Sept. 11, 1934. Class 21.

Myon, Inc., New York, N. Y. Perfumes, face powder, toilet water, etc. 319,158; Nov. 20; Serial No. 354,470; published Sept. 11, 1934. Class 6.

Naaldenfabrieken "Hollandia" N. V., Kerkrade, Netherlands. Needles. 319,345; Nov. 20; Serial No. 349,683; published Sept. 11, 1934. Class 40.

National Biscuit Company, Jersey City, N. J., assignor to National Biscuit Company, New York, N. Y. Biscuit. 102,758; renewed Feb. 23, 1935.

National Lock Washer Company, The, Newark, N. J. Nutlocks. 102,240; renewed Jan. 26, 1935.

National Syndicates, Inc., South Bend, Ind. Chewing gum. 319,315; Nov. 20; Serial No. 352,831; published Sept. 11, 1934. Class 46.

Northampton Brewery Corporation, Dover, Del., and Northampton, Pa., assignor to Northampton Brewery Corporation. Malt beverage. 319,299; Nov. 20; Serial No. 345,488; published Sept. 11, 1934. Class 48.

Oertel Company, Incorporated, The, Louisville, Ky. Beer. 319,164; Nov. 20; Serial No. 354,131; published Sept. 11, 1934. Class 48.

Ohio Textile Products Co., The, Mansfield, Ohio. Articles of clothing. 319,254; Nov. 20; Serial No. 353,228; published Sept. 11, 1934. Class 39.

"Old Bushmills" Distillery Co., Limited, The, Belfast, Ireland. Irish whisky. 319,137; Nov. 20; Serial No. 354,132; published Sept. 18, 1934. Class 49.

One Piece Bifocal Lens Company, assignor, by mesne assignments, to Continental Optical Company, Inc., Indianapolis, Ind. Lenses. 101,001; renewed Nov. 3, 1934.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics. 319,246; Nov. 20; Serial No. 353,075; published Aug. 28, 1934. Class 42.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics. 319,396; Nov. 20. Class 42.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics. 319,352; Nov. 20; Serial No. 353,900; published Sept. 4, 1934. Class 42.

Paas Dye Company, Newark, N. J. Easter egg colors. 319,256; Nov. 20; Serial No. 353,294; published Sept. 4, 1934. Class 6.

Palmer, Solon, New York, N. Y. Perfume, complexion, and sachet powders. 103,116; renewed Mar. 16, 1935.

Paramount Pictures Corporation, New York, N. Y., assignor, by mesne assignments, to Paramount Productions, Inc., Hollywood, Calif. Motion-pictures. 103,248; renewed Mar. 23, 1935.

Patterson Manufacturing Company, Denison, Tex. Overalls, jumpers, pants, etc. 319,308; Nov. 20; Serial No. 340,656; published Aug. 28, 1934. Class 39.

Patterson-Sargent Company, The, Cleveland, Ohio. Enamels. 103,204; renewed Mar. 23, 1935.

Pearsall, Charles S., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 319,133; Nov. 20; Serial No. 354,576; published Sept. 11, 1934. Class 6.

Peart, Thomas W., Hamilton, Ontario, Canada. Medicinal preparaton for obesity. 319,200; Nov. 20; Serial No. 353,625; published Sept. 11, 1934. Class 6.

Pender, David, Grocery Co., Norfolk, Va. Wines. 319,144; Nov. 20; Serial No. 354,473; published Sept. 11, 1934. Class 47.

Phensic Limited, Manchester, England. Medicated tablets, powders, and liquid preparations. 319,311; Nov. 20; Serial No. 350,260; published Sept. 4, 1934. Class 6.

Pico Citrus Association, Pico, Calif. Citrus fruits. 319,364; Nov. 20; Serial No. 353,035; published Sept. 11, 1934. Class 46.

Pierre-Bonard, Inc., New York, N. Y. Wines. 319,404; Nov. 20. Class 47.

Pilada Remedy Company, Omaha, Nebr. Preparation for piles. 319,333; Nov. 20; Serial No. 352,594; published Sept. 4, 1934. Class 6.

Plough, Inc., Memphis, Tenn. Creams, almond lotion, hair dressing, etc. 319,300; Nov. 20; Serial No. 343,872; published Sept. 4, 1934. Class 6.

Porter (Philadelphia) Inc., Philadelphia, Pa. Knitting yarns. 319,237; Nov. 20; Serial No. 351,997; published Sept. 11, 1934. Class 43.

Pratt Chuck Co., The. (See Scarritt, Winthrop T.)

Primdt Textile Company, The, Cincinnati, Ohio. Hosiery. 319,220; Nov. 20; Serial No. 353,579; published Sept. 11, 1934. Class 39.

Printz-Biederman Company, The, Cleveland, Ohio. Women's wearing apparel. 319,338; Nov. 20; Serial No. 352,675; published Sept. 11, 1934. Class 39.

Raulli, Ralph, doing business as Sunland Biscuit Co., also as Sunland Macaroni Co., Los Angeles, Calif. Alimentary pastes, macaroni products, semolina macaroni, etc. 319,388; Nov. 20. Class 46.

Raw-War Manufacturing Company. (See Alsup, W. R.)

Real Companhia Vinicola do Norte de Portugal, Inc., New York, N. Y. Port wines. 319,225; Nov. 20; Serial No. 351,524; published Sept. 11, 1934. Class 47.

Rear, James S., Vancouver, British Columbia, Canada. Liquid preparation used in renewing the nap on fabrics. 319,415; Nov. 20. Class 6.

Remedium Chemisches Institut G. m. b. H., Berlin-Tempelhof, Germany. Pharmaceutical specialty "bismoterran," an absorbent of the fermentation products of the intestines. 319,232; Nov. 20; Serial No. 351,937; published Sept. 11, 1934. Class 6.

Robbins, Bernard, Atlantic City, N. J. Neckties. 319,193; Nov. 20; Serial No. 353,581; published Sept. 11, 1934. Class 39.

Rollins Hosiery Mills, Inc., Des Moines, Iowa. Hosiery. 319,286; Nov. 20; Serial No. 353,540; published Aug. 28, 1934. Class 39.

Roma Gazosa Company, Detroit, Mich. Maltless beverages. 319,196; Nov. 20; Serial No. 353,593; published Sept. 11, 1934. Class 45.

Rosen, Anna, Brooklyn, N. Y. Candy and chocolates. 319,391; Nov. 20. Class 46.

Rosen, J., & Sons, Paterson, N. J., and New York, N. Y. Hair ribbons and hair bows. 319,340; Nov. 20; Serial No. 352,198; published Sept. 11, 1934. Class 40.

Rounsevell, Fred L., doing business as Air-In Spark Plug Co., Los Angeles, Calif. Spark plugs. 319,182; Nov. 20; Serial No. 354,005; published Sept. 11, 1934. Class 21.

Rubber Service Laboratories Company, Akron, Ohio. Mold lubricant. 319,347; Nov. 20; Serial No. 349,896; published June 5, 1934. Class 6.

Rubel Baking Company, The, Cincinnati, Ohio. Rye bread. 319,349; Nov. 20; Serial No. 350,110; published Sept. 11, 1934. Class 46.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 319,358; Nov. 20; Serial No. 353,949; published Sept. 11, 1934. Class 47.

Sandlerbräu Ges. m. b. Hftg., assignor to Sandlerbräu Aktiengesellschaft, Kulmbach, Germany. Beer. 103,036; renewed Mar. 16, 1935.

Sarona, Inc. (See Schering Corporation.)

Saturnia Shoe Products Co., Brooklyn, N. Y. Shoe soles and shoe heels. 319,348; Nov. 20; Serial No. 350,059; published Sept. 11, 1934. Class 39.

Scarritt, Winthrop T., doing business as The Pratt Chuck Co., New York, N. Y. Automobile mufflers. 319,210; Nov. 20; Serial No. 353,728; published Sept. 11, 1934. Class 23.

Schering Corporation, assignor to Sarona, Inc., Bloomfield, N. J. Chemical preparation. 319,322; Nov. 20; Serial No. 352,401; published Sept. 4, 1934. Class 6.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 319,385; Nov. 20. Class 39.

Schulze Baking Company. (See Kern, Peter, Company, Inc.)

Schwartz, David, Company, Inc., New York, N. Y., assignor to Koninklijke Weefgoederenfabriek voorheen C. T. Stork & Co., N. V., Hengelo, Netherlands. Cotton, linen, and woolen goods. 319,242; Nov. 20; Serial No. 339,083; published Sept. 11, 1934. Class 42.

Schwartz, Joseph J., Inc., New York, N. Y. Marten fur neckpieces. 319,239; Nov. 20; Serial No. 338,114; published Aug. 28, 1934. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Corsets. 319,359; Nov. 20; Serial No. 353,951; published Sept. 11, 1934. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Corsets. 319,387; Nov. 20. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs. 319,394; Nov. 20. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs. 319,405–6; Nov. 20. Class 42.

Sheffield Farms-Slawson-Decker Company, by change of name to Sheffield Farms Co. Inc., New York, N. Y. Milk and cream. 103,208; renewed Mar. 23, 1935.

Sherman, M. A., doing business as Marie Arnold, Los Angeles, Calif. Cleansing cream, facial pack, astringent lotion, etc. 319,264; Nov. 20; Serial No. 353,151; published Sept. 11, 1934. Class 6.

Shillman, A. & H., Company, Inc., Baltimore, Md. Yarns and threads. 319,323; Nov. 20; Serial No. 352,404; published Sept. 11, 1934. Class 43.

Shivar Springs, Inc., Shelton, S. C. Maltless beverages and syrups and extracts used in same. 319,153; Nov. 20; Serial No. 354,526; published Sept. 11, 1934. Class 45.

Shun On & Company, San Francisco, Calif. Firecrackers. 319,142; Nov. 20; Serial No. 354,709; published Sept. 11, 1934. Class 9.

Silver Crown Remedies. (See Suttle, Lynn.)

Simmons Company, New York, N. Y. Bedsteads, cots, couches, etc. 319,282; Nov. 20; Serial No. 353,544; published Sept. 11, 1934. Class 32.

Simon, J., & Sons, Inc., St. Louis, Mo. Whiskey. 319,244; Nov. 20; Serial No. 353,153; published Sept. 18, 1934. Class 49.

Simon, J., & Sons, Inc., St. Louis, Mo. Whiskey. 319,260; Nov. 20; Serial No. 353,156; published Sept. 18, 1934. Class 49.

Simson, Hermann, doing business as H. Simson Company, New York, N. Y. Strings for musical instruments. 319,162; Nov. 20; Serial No. 354,097; published Sept. 11, 1934. Class 36.

Sindicato Agricola Alella Vinicola Cooperativa de Produccion y Venta, Alella, Spain. Wines. 319,297; Nov. 20; Serial No. 345,840; published Sept. 11, 1934. Class 47.

6-11 Company, The, Atlanta, Ga. Tonic and laxative, preparation for indigestion, and a salve. 319,255; Nov. 20; Serial No. 353,242; published Sept. 4, 1934. Class 6.

Smarz, Andrew F., doing business as Smarz Products, Yonkers, N. Y. Preparation for treatment of athlete's foot. 319,273; Nov. 20; Serial No. 353,357; published Sept. 4, 1934. Class 6.

Sno-Ko Products Co., San Francisco, Calif. Iced confections. 319,235; Nov. 20; Serial No. 336,888; published Aug. 28, 1934. Class 46.

Société Anonyme la Biothérapie (Société Anonyme de Produits Chimiques, Biologiques, et d'Hygiène), Paris, France. Medicinal dentifrices and tooth preparations. 319,251; Nov. 20; Serial No. 352,878; published Sept. 11, 1934. Class 6.

Sportscraft Company, New York, N. Y. Belt buckles, bracelets, brooches, etc. 319,366; Nov. 20; Serial No. 353,043; published Sept. 11, 1934. Class 28.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Lotion for athlete's foot. 319,154; Nov. 20; Serial No. 354,527; published Sept. 11, 1934. Class 6.

Standard Brands Incorporated, New York, N. Y. Malt syrup. 319,241; Nov. 20; Serial No. 356,305; published Sept. 11, 1934. Class 46.

Standard Brands Incorporated, New York, N. Y. Malt syrup. 319,265–6; Nov. 20; Serial Nos. 353,304–5; published Sept. 11, 1934. Class 46.

Steinberger Bros. Inc., New York, N. Y. Wool, worsted, angora, etc., yarn, and mixtures thereof. 319,346; Nov. 20; Serial No. 349,692; published June 5, 1934. Class 43.

Steinhardt Company, Inc., The, New York, N. Y. Whiskey, gin, brandy, etc. 319,149; Nov. 20; Serial No. 354,641; published Sept. 18, 1934. Class 49.

Sterling Cable Corporation, Port Huron, Mich. Ignition cables, ignition wires, and ignition connections. 319,389; Nov. 20. Class 21.

Summit Thread Company, Boston, Mass. Cotton thread. 319,169; Nov. 20; Serial No. 354,482; published Sept. 11, 1934. Class 43.

Sunland Biscuit Co. (See Raulli, Ralph.)

Sun Ray Drug Company, doing business as Drake Laboratories, Philadelphia, Pa. Tonic. 319,248; Nov. 20; Serial No. 352,935; published Sept. 11, 1934. Class 6.

Superior Laboratories, Inc., Cleveland, Ohio. Tooth powder, skin balm, and creams. 319,209; Nov. 20; Serial No. 353,737; published Sept. 11, 1934. Class 6.

Superior Laboratories, Los Angeles, Calif. Wines. 319,290; Nov. 20; Serial No. 353,416; published Sept. 11, 1934. Class 47.

Suttle, Lynn, doing business as Silver Crown Remedies, Kingston, N. Y. Hair tonic. 319,214; Nov. 20; Serial No. 353,738; published Sept. 11, 1934. Class 6.

Swift and Company, Chicago, Ill. Soap. 101,884; renewed Jan. 12, 1935.

Tacke, Julius A., Carroll, Iowa. Whiskey. 319,287; Nov. 20; Serial No. 353,457; published Sept. 18, 1934. Class 49.

Telling Belle Vernon Company, The, Cleveland, Ohio. Evaporated milk and butter. 319,397; Nov. 20. Class 46.

Thiosept Gesellschaft mit beschränkter Haftung, Vienna, Austria. Medicines and creams. 319,170; Nov. 20; Serial No. 330,529; published Sept. 4, 1934. Class 6.

Tinsel Corporation of America, New York, N. Y. Lampshades. 319,179; Nov. 20; Serial No. 347,388; published Sept. 11, 1934. Class 34.

Tintz Shampoo Company, The, Chicago, Ill. Shampoo. 319,402; Nov. 20. Class 6.

Tivoli Brewing Company, Detroit, Mich. Beer. 319,262; Nov. 20; Serial No. 353,188; published Sept. 11, 1934. Class 48.

Tolfree, Edward R., doing business as "X" Laboratories, New York, N. Y. Scale removing and flushing compounds. 319,181; Nov. 20; Serial No. 354,000; published Sept. 11, 1934. Class 6.

Tom Collins Corporation, The, Cincinnati, Ohio. Prepared alcoholic high-balls. 319,267; Nov. 20; Serial No. 353,430; published Sept. 18, 1934. Class 49.

Tornello, C., doing business as C. Tornello & Co., Youngstown, Ohio. Wines. 319,231; Nov. 20; Serial No. 351,665; published Sept. 11, 1934. Class 47.

Trees, C. E., & Company, Inc., Indianapolis, Ind. Maltless beverage and sirup and extract for making same. 319,134; Nov. 20; Serial No. 354,665; published Sept. 11, 1934. Class 45.

Tricolator Company, Inc., New York, N. Y. Coffee urns. 319,219; Nov. 20; Serial No. 353,828; published Sept. 11, 1934. Class 13.

Tricouni S. A., Geneva, Switzerland. Shoe Nails, cleats, or calks specially for mountain boots. 319,192; Nov. 20; Serial No. 353,585; published Sept. 11, 1934. Class 13.

Uddo Taormina Corporation, doing business as La Sierra Heights Canning Co., Los Angeles, Calif. Tomato paste. 319,298; Nov. 20; Serial No. 345,573; published Sept. 11, 1934. Class 46.

Union Distillers Products Co., The, Baltimore, Md. Whiskey. 319,152; Nov. 20; Serial No. 354,667; published Sept. 18, 1934. Class 49.

United Distillers & Winers, Inc., Detroit, Mich. Whiskies and other potable distilled alcoholic liquors. 319,303; Nov. 20; Serial No. 343,713; published Jan. 16, 1934. Class 49.

V. G. Collar Company, The. (See Van Gelder, Martinus.)

Valley Fruit Canning Company. (See Bodle, R. D., Company.)

Valway Rug Mills, Inc., assignor to Callaway Mills, Lagrange, Ga. Chenille yarns. 319,223; Nov. 20; Serial No. 353,550; published Aug. 28, 1934. Class 43.

Vandam, Albert H., Co., Inc., New York, N. Y. Yarns. 319,367; Nov. 20; Serial No. 352,764; published Sept. 4, 1934. Class 43.

Van Gelder, Martinus, doing business as The V. G. Collar Company, Philadelphia, Pa. Collars. 319,275; Nov. 20; Serial No. 353,307; published Aug. 28, 1934. Class 39.

Van Wert Mfg. Company, The, Van Wert, Ohio. Trousers, knickers, coats, etc. 319,190; Nov. 20; Serial No. 354,101; published Sept. 4, 1934. Class 39.

Vitamin Animal Foods Co. (See Mackay, Eaton M.)

Vogue Brassiere Mfg. Co., Newark, N. J. Corsets, brassières, girdles, etc. 319,191; Nov. 20; Serial No. 352,803; published Sept. 11, 1934. Class 39.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 319,135; Nov. 20; Serial No. 354,221; published Sept. 4, 1934. Class 49.

Walsh, Frederick T., doing business as Thomas Leyland Machinery Company, Readville, Mass. Machines for distending textile fabrics. 319,413; Nov. 20. Class 23.

Warner Bros. Pictures, Inc., New York, N. Y. Series of different motion-picture films. 319,140; Nov. 20; Serial No. 354,229; published Sept. 11, 1934. Class 26.

Weideman Co., The, Cleveland, Ohio. Whiskey. 319,150; Nov. 20; Serial No. 354,645; published Sept. 18, 1934. Class 49.

Weil, Dr. R. & Dr. O., Frankfort-on-the-Main, Germany. Colloidal silver compound. 319,236; Nov. 20; Serial No. 333,986; published Sept. 4, 1934. Class 6.

Weill, Raphael, & Company, San Francisco, Calif. Children's wearing apparel. 319,226; Nov. 20; Serial No. 351,592; published Sept. 11, 1934. Class 39.

Welsh-Hartman Company, St. Louis, Mo. Seats for children and babies adapted to be supported on the backs of automobile seats and on household articles of furniture. 319,175; Nov. 20; Serial No. 346,999; published Sept. 11, 1934. Class 32.

West Coast-Manchester Mills, Inc., Los Angeles, Calif. Bathing and swimming suits and sweaters. 319,360; Nov. 20; Serial No. 353,963; published Sept. 11, 1934. Class 39.

Westheimer, Ferdinand, Sons Company, The, Cincinnati, Ohio. Whisky. 319,301; Nov. 20; Serial No. 343,244; published Jan. 23, 1934. Class 49.

Westheimer, Ferdinand, Sons Company, The, Cincinnati, Ohio. Whisky. 319,305; Nov. 20; Serial No. 342,559; published Dec. 12, 1933. Class 49.

Westheimer, Ferdinand, Sons Co., The, Cincinnati, Ohio. Whisky. 319,210; Nov. 20; Serial No. 342,054; published Dec. 26, 1933. Class 49.

Widney, Stanley W., Brooklyn, N. Y. Rebound measuring apparatus for determining the spring action of vehicles and charts. 319,201; Nov. 20; Serial No. 353,624; published Sept. 11, 1934. Class 26.

Willard, George S., Greenville, assignor to Flurene Chemicals, Ltd., Washington, N. C. Vaporizing salve. 319,306; Nov. 20; Serial No. 342,859; published Sept. 11, 1934. Class 6.

Wilson Brothers, Chicago, Ill. Men's hose. 319,171; Nov. 20; Serial No. 328,652; published Sept. 4, 1934. Class 39.

Wine Trading Company. (See Wright, Walter R.)

Wines of Spain, Inc., New York, N. Y. Wines. 319,186; Nov. 20; Serial No. 354,012; published Sept. 11, 1934. Class 47.

Winick, Max A., New York, N. Y. Suits, overcoats, etc. 319,369; Nov. 20; Serial No. 352,770; published Sept. 11, 1934. Class 39.

Winthrop Chemical Company, Inc. (See Farbenfabriken of Elberfeld Co., assignor.)

Wolverine-Empire Refining Co., New York, N. Y. Oils and greases. 319,141; Nov. 20; Serial No. 354,738; published Sept. 11, 1934. Class 15.

Wolverine-Empire Refining Co., New York, N. Y. Lubricating oils and greases. 319,145; Nov. 20; Serial No. 354,739; published Sept. 11, 1934. Class 15.

Wood, John H., Company, Philadelphia, Pa. Hair-tonic, perfumery, toilet water, etc. 101,814; renewed Jan. 12, 1935.

Wright, Walter R., doing business as Wine Trading Company, Los Angeles, Calif. Wines. 319,143; Nov. 20; Serial No. 354,493; published Sept. 11, 1934. Class 47.

Wright, Walter R., doing business as Wine Trading Company, Los Angeles, Calif. Wines. 319,370–3; Nov. 20; Serial Nos. 354,489–92; published Sept. 11, 1934. Class 47.
Wyeth, John, and Brother Incorporated, Philadelphia, Pa. Medicinal and pharmaceutical elixirs, syrups, etc. 319,304; Nov. 20; Serial No. 342,301; published Sept. 11, 1934. Class 6.
"X" Laboratories. (See Tolfree, Edward R.)
Yock Brothers, Clara City, Minn. Breakfast cereal food. 319,380; Nov. 20. Class 46.
Zographos, George, Rieth, Oreg. Hemorrhoid ointments. 319,252; Nov. 20; Serial No. 352,884; published Sept. 4, 1934. Class 6.

LIST OF REGISTRANTS OF LABELS

Boisseau, Dan R., San Antonio, Tex. Iodized by Mother Nature. For Seacoast-Grown Vegetables. 44,659; Nov. 20.
Brooks & Porter, Inc., New York, N. Y. Ever-Shine. For Polishing Bags. 44,660; Nov. 20.
Cherry Growers Packing Company, Traverse City, Mich. Montmorency. For Pitted Red Cherries. 44,661; Nov. 20.
Cherry Growers Packing Company, Traverse City, Mich. Grand Traverse. For Red Pitted Cherries. 44,662; Nov. 20.
Cherry Growers Packing Company, Traverse City, Mich. Cheripac. For Pitted Red Sour Cherries. 44,663; Nov. 20.
Coffelt Chemical Co., Inc., New York, N. Y. Coffelt's Never Failing Hair Coloring. For Hair Coloring. 44,664; Nov. 20.
Ehlco Cleaner Products Co. (See Ehle, C. F.)
Ehle, C. F., doing business as Ehlco Cleaner Products Co., Milwaukee, Wis. Ehlco Dry-Energy Floor Cleaner. For a Floor Cleaner. 44,665; Nov. 20.
General Mills, Inc., Minneapolis, Minn. Washburn's Pancake Flour. For Pancake Flour. 44,666; Nov. 20.
Hess, Dr., & Clark, Inc., Ashland, Ohio. Dr. Hess Poultry Worm Powder. For Poultry Worm Powder. 44,667; Nov. 20.
Hess, Dr., & Clark, Inc., Ashland, Ohio. Dr. Hess Poultry Worm Tablets. For Poultry Worm Tablets. 44,668; Nov. 20.
Josselson Bros., Incorporated, Ashland, Ky. Kentucky Gentlemen. For Straight Kentucky Whiskey. 44,669; Nov. 20.
Mirax Chemical Products Corporation, St. Louis, Mo. Liquid Wax Dries Bright Without Rubbing or Polishing. For Liquid Wax. 44,670; Nov. 20.
Nix Laboratories, Not Inc. (See Shaw, Carrie F.)
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Pedicreme. For a Cream for the Relief of Sore, Tired, Aching Feet, Burning Callouses, Corns, Chilblains and Rough, Tender Skin. 44,671; Nov. 20.
Schutter-Johnson Candy Corporation, Chicago, Ill. Old Nick. For a Candy Bar. 44,672; Nov. 20.
Schutter-Johnson Candy Corporation, Chicago, Ill. Bit-O-Honey. For a Candy Bar. 44,673; Nov. 20.
Shaw, Carrie F., doing business as Nix Laboratories, Not Inc., Chicago, Ill. Nix on Runs. For a Powder for Preventing Runs in Hosiery and Rayons. 44,674; Nov. 20.
Smith, Catherine E., Meadville, Pa. Protect Your Health. For Bags for Receiving Dust. 44,675; Nov. 20.
Urban, George, Milling Company, Buffalo, N. Y. Aurora. For Flour. 44,676; Nov. 20.
Wine Trading Company, The, Los Angeles, Calif. The Wine Barrel. For Wine. 44,677; Nov. 20.
Wrigley, Wm., jr., Company, Chicago, Ill. Wrigley's Pepsin Gum. For Pepsin Gum. 44,678; Nov. 20.
Yuengling, D. C., & Son, Inc., Pottsville, Pa. Yuengling's Porter. For Porter. 44,679; Nov. 20.
Yukon Mill and Grain Company, Yukon, Okla. Yukon's Star & Crescent. For Flour. 44,680; Nov. 20.
Zinsmaster Baking Company, Minneapolis, Minn. Master Bread. For Sliced Bread. 44,681; Nov. 20.

LIST OF REGISTRANTS OF PRINTS

Forest City Brewery Inc., Cleveland, Ohio. Like Brown October Ale. Waldorf Harvest Brew. A Superfine Lager Beer. For Lager Beer. 14,921; Nov. 20.
Wrigley, Wm., Jr. Company, Chicago, Ill. Wrigley's Pepsin Gum. For Pepsin Gum. 14,922; Nov. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Gloversville Leather Manufacturing Corporation. 103,232; renewed Mar. 23, 1935.
Rose bushes, shrubs, vines, etc. J. T. Lovett, jr. 319,377; Nov. 20.

CLASS 4

Abrasive scouring and cleaning balls, mitts, and mats. Montgomery Company. 319,414; Nov. 20.
Soap. Wilhelm Anhalt Gesellschaft mit beschränkter Haftung. 44,205; renewed Feb. 21, 1935.
Soap. Iowa Soap Company. 102,880; renewed Feb. 23, 1935.
Soap. Swift and Company. 101,884; renewed Jan. 12, 1935.
Soap, Powdered. Miller Soap Products, Inc. 319,408; Nov. 20.
Soap tablets, Toilet. General Desserts Corporation. 319,401; Nov. 20.
Washing powders. W. Meiselbar. 319,160; Nov. 20; Serial No. 354,447; published Sept. 11, 1934.

CLASS 6

Anesthetic. Farbenfabriken of Elberfeld Co. 44,068; renewed Jan. 24, 1935.
Astringents, astringent cerates, bleach and beauty creams, etc. Bourjois, Inc. 319,238; Nov. 20; Serial No. 338,480; published Sept. 11, 1934.
Astringents, astringent cerates, bleach and beauty creams, etc. C. S. Pearsall. 319,133; Nov. 20; Serial No. 354,576; published Sept. 11, 1934.
Astringents, astringent cerates, bleach creams, etc. W. S. Cannon, jr. 319,281 Nov. 20; Serial No. 353,541; published Sept. 4, 1934.
Bitters made of pure Alpine herbs, Stomach. August F. Dennler S. A. 319,249; Nov. 20; Serial No. 352,227; published Sept. 4, 1934.
Bitters made of pure Alpine herbs, Stomach. August F. Dennler, S. A. 319,331; Nov. 20; Serial No. 352,228; published Sept. 4, 1934.
Chemical preparation. Schering Corporation. 319,322; Nov. 20; Serial No. 352,401; published Sept. 4, 1934.
Chemical products. E. I. du Pont de Nemours and Company. 19,269; Nov. 20; Serial No. 353,383; published Sept. 4, 1934.
Chemical substances. Eli Lilly and Company. 319,221; Nov. 20; Serial No. 353,576; published Sept. 4, 1934.
Colloidal silver compound. Dr. R. & Dr. O. Weil. 319,236; Nov. 20; Serial No. 333,086; published Sept. 4, 1934.
Colors, Easter egg. Paas Dye Company. 319,256; Nov. 20; Serial No. 353,294 published Sept. 4, 1934.
Composition for sealing motor valves, pistons, and for filling in scores in cylinder walls and pistons. International Vermiculite Company. 319,205; Nov. 20; Serial No. 344,936; published Sept. 4, 1934.
Cosmetic preparation. W. Bower. 319,313; Nov. 20; Serial No. 350,748; published June 26, 1934.
Cream, facial pack, astringent lotion, etc., Cleansing. M. A. Sherman. 319,264; Nov. 20; Serial No. 353,151; published Sept. 11, 1934.
Cream preparation for use as an aid in the treatment of eczema. I. Gradstein. 319,342; Nov. 20; Serial No. 349,305; published Sept. 4, 1934.
Creams, almond lotion, hair dressing, etc. Plough, Inc. 319,300; Nov. 20; Serial No. 343,872; published Sept. 4, 1934.
Dentifrices and tooth preparations, Medicinal. Société Anonyme la Biothéraple (Société Anonyme de Produits Chemiques, Biologiques, et d'Hygiène. 319,251; Nov. 20; Serial No. 352,878; published Sept. 11, 1934.
Hair tonic. L. Suttle. 319,214; Nov. 20; Serial No. 353,738; published Sept. 11, 1934.
Hair-tonic, perfumery, toilet water, etc. John H. Wood Company. 101,814; renewed Jan. 12, 1935.
Incense, face and talcum powder, rouge, etc. S. C. Ghose. 319,259; Nov. 20; Serial No. 353,214; published Sept. 11, 1934.
Insecticides. H. C. Hilts. 319,334; Nov. 20; Serial No. 352,650; published Sept. 11, 1934.
Insecticides. Mechling Brothers Chemical Company. 319,159; Nov. 20; Serial No. 354,469; published Sept. 11, 1934.
Insecticides and fungicides. Grasselli Chemical Company. 319,155; Nov. 20; Serial No. 354,408; published Sept. 11, 1934.

Liniment. Dolor Rub Company. 319,329; Nov. 20; Serial No. 352,573; published Sept. 4, 1934.
Liniment. J. H. Grubb. 319,263; Nov. 20; Serial No. 353,130; published Sept. 11, 1934.
Liquid for treatment of secondary anemia, chlorosis, etc., Palatable. F. W. Chesrow & Co. 319,247; Nov. 20; Serial No. 353,121; published Sept. 4, 1934.
Liquid preparation used in renewing the nap on fabrics. J. S. Rear. 319,415; Nov. 20.
Lotion for athlete's foot. Stanco Incorporated. 319,154; Nov. 20; Serial No. 354,527; published Sept. 11, 1934.
Lotions for the skin. Campana Corporation. 319,293; Nov. 20; Serial No. 339,450; published Sept. 4, 1934.
Lubricant, Mold. Rubber Service Laboratories Company. 319,347; Nov. 20; Serial No. 340,896; published June 5, 1934.
Medicated tablets, powders, and liquid preparations, Phensic Limited. 319,311; Nov. 20; Serial No. 350,260; published Sept. 4, 1934.
Medicinal and pharmaceutical elixirs, syrups, etc. John Wyeth and Brother Incorporated. 319,304; Nov. 20; Serial No. 342,301; published Sept. 11, 1934.
Medicinal preparation. H. E. Morey. 319,271; Nov. 20; Serial No. 353,402; published Sept. 11, 1934.
Medicinal preparation for obesity. T. W. Peart. 319,200; Nov. 20; Serial No. 353,625; published Sept. 11, 1934.
Medicine. J. Lang. 319,365; Nov. 20; Serial No. 353,036; published Sept. 4, 1934.
Medicines and creams. Thiosept Gesellschaft mit beschränkter Haftung. 319,170; Nov. 20; Serial No. 330,529; published Sept. 4, 1934.
Medicines, preparations for hypodermic use, compound powders, etc. Specific. Lloyd Brothers, Pharmacists Inc. 319,302; Nov. 20; Serial No. 343,513; published Sept. 11, 1934.
Ointments, Hemorrhoid. G. Zographos. 319,252; Nov. 20; Serial No. 352,884; published Sept. 4, 1934.
Ointments, Skin. S. Friedlander. 319,317; Nov. 20; Serial No. 352,856; published Sept. 11, 1934.
Perfume, complexion and sachet powders. S. Palmer. 103,116; renewed Mar. 16, 1935.
Perfumes. Lentheric, Incorporated. 319,147; Nov. 20; Serial No. 354,657; published Sept. 11, 1934.
Perfumes, face powder, talcum powder, etc. D. Lisner & Co. 319,382; Nov. 20.
Perfumes, face powder, toilet water, etc. Myon, Inc. 319,158; Nov. 20; Serial No. 354,470; published Sept. 11, 1934.
Pharmaceutical specialty "bismoterran", an absorbent of the fermentation products of the intestines. Remedium Chemisches Institut G. m. b. H. 319,232; Nov. 20; Serial No. 351,937; published Sept. 11, 1934.
Powder, skin balm, and creams, Tooth. Superior Laboratories, Inc. 319,209; Nov. 20; Serial No. 353,737; published Sept. 11, 1934.
Preparation for the feet. J. C. Freeland. 319,222; Nov. 20; Serial No. 353,564; published Sept. 11, 1934.
Preparation for treating and waterproofing textile fabrics. M. Imhoff. 319,307; Nov. 20; Serial No. 339,724; published Sept. 11, 1934.
Preparation for treatment of athlete's foot. A. F. Smarz. 319,273; Nov. 20; Serial No. 353,357; published Sept. 4, 1934.
Preparations for treatment of the stomach, nervous disorders, etc., and mouth washes. F. Calabro. 319,213; Nov. 20; Serial No. 353,748; published Sept. 11, 1934.
Remedy for piles. Pilada Remedy Company. 319,333; Nov. 20; Serial No. 352,594; published Sept. 4, 1934.
Salve, Vaporizing. G. S. Willard. 319,306; Nov. 20; Serial No. 342,859; published Sept. 11, 1934.
Scale removing and flushing compounds. E. R. Tolfree. 319,181; Nov. 20; Serial No. 354,009; published Sept. 11, 1934.
Scalp or head rubbing lotion. P. Eisemann. 319,320; Nov. 20; Serial No. 352,234; published Sept. 11, 1934.
Shampoo. Tintz Shampoo Company. 319,402; Nov. 20.
Stabilizing agents. Cowles Detergent Company. 319,176; Nov. 20; Serial No. 346,807; published Mar. 27, 1934.
Sulphites and boiler water treating chemicals. Monsanto Chemical Company; 319,212; Nov. 20; Serial No. 353,787; published Sept. 11, 1934.
Tablets for headache, neuralgia, and muscular aches and pains. E. T. Crittenden. 319,261; Nov. 20; Serial No. 353,169; published Sept. 11, 1934.
Tonic. Sun Ray Drug Company. 319,248; Nov. 20; Serial No. 352,935; published Sept. 11, 1934.
Tonic and laxative, a preparation for indigestion, and a salve. 6-11 Company. 319,255; Nov. 20; Serial No. 353,242; published Sept. 4, 1934.
Tonic, Eye. S. Lettman. 43,699; renewed Nov. 15, 1934.
Tonic, Poultry. W. R. Alsup. 319,284; Nov. 20; Serial No. 353,497; published Sept. 4, 1934.
Vaginal jellies, Hygienic. F. A. Crossett. 319,250; Nov. 20; Serial No. 348,421; published Sept. 4, 1934.
Various grades of such acids as acetic, arsenic, chromic, etc. Grasselli Chemical Company. 319,270; Nov. 20; Serial No. 353,393; published Sept. 4, 1934.
Vitamin concentrate for animal foods. E. M. Mackay. 319,351; Nov. 20; Serial No. 353,899; published Sept. 11, 1934.
Wetting agent for accelerating the removal of lead and arsenic residues from apples. American Cyanamid & Chemical Corporation. 319,138; Nov. 20; Serial No. 354,364; published Sept. 11, 1934.

CLASS 9

Firecrackers. Shun On & Company. 319,142; Nov. 20; Serial No. 354,709; published Sept. 11, 1934.

CLASS 13

Chains and Chain Links. Link-belt Company. 319,363; Nov. 20; Serial No. 353,023; published Sept. 11, 1934.
Faucet, Combination. Hays Manufacturing Company. 319,328; Nov. 20; Serial No. 352,539; published Sept. 11, 1934.
Nails, cleats, or calks specially for mountain boots, Shoe. Tricouni S. A. 319,192; Nov. 20; Serial No. 353,585; published Sept. 11, 1934.
Nozzles, and parts thereof, Spraying. R. Healy. 319,374; Nov. 20.
Nut-Locks. National Lock Washer Company. 102,240; renewed Jan. 20, 1935.
Urns, Coffee. Tricolator Company. 319,219; Nov. 20; Serial No. 353,828; published Sept. 11, 1934.

CLASS 15

Oils and Greases. Wolverine-Empire Refining Co. 319,141; Nov. 20; Serial No. 354,738; published Sept. 11, 1934.
Oils and Greases. Wolverine-Empire Refining Co. 319,145; Nov. 20; Serial No. 354,739; published Sept. 11, 1934.

CLASS 16

Enamels. Patterson-Sargent Company. 103,204; renewed Mar. 23, 1935.
Paint, varnishes, stains, and paint enamels. General Paint & Varnish Co. 319,393; Nov. 20.

CLASS 17

Cigars. Theodore H. Hart & Co. 43,836; renewed Dec. 13, 1934.
Cigars and tobaccos. R. H. Macy & Co., Inc. 319,187; Nov. 20; Serial 354,046; published Aug. 28, 1934.

CLASS 21

Batteries, Storage. Murray Battery Company. 319,185; Nov. 20; Serial No. 354,014; published Sept. 11, 1934.
Cables, ignition wires and ignition connections. Ignition. Sterling Cable Corporation. 319,389; Nov. 20.
Electrical timers and switches for laundry machinery, and electrical traffic-signal controllers. Eagle Signal Corporation. 319,180; Nov. 20; Serial No. 347,273; published Sept. 11, 1934.
Plugs, Spark. F. L. Rounsevell. 319,182; Nov. 20; Serial No. 354,005; published Sept. 11, 1934.
Telegraph keys. A. H. Emery. 319,217; Nov. 20; Serial No. 353,797; published Sept. 11, 1934.

CLASS 22

Games and puzzles, and novelty games, Board. Poster Products Inc. 319,227; Nov. 20; Serial No. 351,578; published Aug. 28, 1934.

CLASS 23

Buckets, counterweight-drums, dredge, excavator, and spud fittings. Hayward Company. 102,096; renewed Jan. 26, 1935.
Dryers, Stereotype matrix. G. M. Clark. 319,156; Nov. 20; Serial No. 354,401; published Sept. 11, 1934.
Machines for distending textile fabrics. F. T. Walsh. 319,413; Nov. 20.
Mufflers, Automobile. W. T. Scarritt. 319,210; Nov. 20; Serial No. 353,728; published Sept. 11, 1934.
Razor blades, Safety. M. Mindlin. 319,375; Nov. 20.
Razors and safety razor blades, Safety. Minute Safety Razor Corporation. 319,395; Nov. 20.
Wire belts, Woven. Lindsay Wire Weaving Company. 319,383; Nov. 20.

CLASS 24

Washing machines, wringers, and flatirons. Hibbard, Spencer, Bartlett & Company. 319,188; Nov. 20; Serial No. 354,040; published Sept. 11, 1934.

CLASS 26

Films, Series of different motion-picture. Warner Bros. Pictures, Inc. 319,140; Nov. 20; Serial No. 354,229; published Sept. 11, 1934.
Lenses. One Piece Bifocal Lens Company. 101,001; renewed Nov. 3, 1934.
Measuring apparatus for determining the spring action of vehicles and charts, Rebound. S. W. Widney. 319,201; Nov. 20; Serial No. 353,624; published Sept. 11, 1934.
Pictures, Motion. Paramount Pictures Corporation. 103,248; renewed Mar. 23, 1935.

CLASS 28

Buckles, bracelets, brooches, etc., Belt. Sportscraft Company. 319,366; Nov. 20; Serial No. 353,043; published Sept. 11, 1934.
Gems and stones, Precious, semiprecious and artificial. Barker & Barker, Inc. 319,361; Nov. 20; Serial No. 353,975; published Sept. 11, 1934.

CLASS 31

Coolers, Beverage. Bishop & Babcock Manufacturing Company. 319,243; Nov. 20; Serial No. 338,717; published Sept. 11, 1934.

CLASS 32

Bedsteads, cots, couches, etc. Simmons Company 319,282; Nov. 20; Serial No. 353,544; published Sep. 11, 1934.
Seats for children and babies adapted to be supported on the backs of automobile seats and on furniture. Welsh Hartman Company. 319,175; Nov. 20; Serial No 346,999; published Sept. 11, 1934.

CLASS 33

Glasses, bowls, goblets, etc., Drinking. Libbey Glass Manufacturing Company. 319,399–400; Nov. 20.

CLASS 34

Lampshades. Tinsel Corporation of America. 319,179. Nov. 20; Serial No. 347,388; published Sept. 11, 1934.

CLASS 35

Brake linings. Multibestos Company. 319,215; Nov. 20; Serial No. 353,814; published Sept. 11, 1934.
Gaskets. Detroit Gasket & Manufacturing Company. 319,354; Nov. 20; Serial No. 353,914; published Sept. 11, 1934.
Tubes, for tires. Carlisle Tire & Rubber Co. 319,407; Nov. 20.

CLASS 36

Strings for musical instruments. H. Simson. 319,162; Nov. 20; Serial No. 354,097; published Sept. 11, 1934.

CLASS 37

Hampden Glazed Paper and Card Company. 100,323; renewed Oct. 20, 1934.
Paper. International Paper Company. 319,376; Nov. 20.
Paper and envelops. F. A. Flinn. 43,294; renewed Sept. 6, 1934.

CLASS 39

Apparel, Children's wearing. Raphael Weill & Company. 319,226; Nov. 20; Serial No. 351,592; published Sept. 11, 1934.
Apparel, Wearing. Berland Shoe Stores, Inc. 319,379; Nov. 20.
Apparel, Wearing. Hat Corporation of America. 319,384; Nov. 20.
Apparel, Women's wearing. Printz-Biederman Company. 319,338; Nov. 20; Serial No. 352,675; published Sept. 11, 1934.
Belts, Boys'. S. B. Lavick Co. 319,168; Nov. 20; Serial No. 240,419; published Jan. 4, 1927.
Blouses, outer shorts, and skirts. Irving Kemp, Inc. 319,272; Nov. 20; Serial No. 353,334; published Sept. 11, 1934.
Boots and shoes. International Shoe Co. 319,204; Nov. 20; Serial No. 353,654; published Sept. 11, 1934.
Clothing. Barrie & Kersel. 319,183; Nov. 20; Serial No. 347,893; published Sept. 11, 1934.
Clothing, Articles of. Ohio Textile Products Co. 319,254; Nov. 20; Serial No. 353,228; published Sept. 11, 1934.
Clothing, Men's. J. Garfinckel. 319,172; Nov. 20; Serial No. 352,974; published Aug. 21, 1934.
Clothing, Men's and boys'. Baltimore Clothes, Inc. 319,335; Nov. 20; Serial No. 352,655; published Sept. 11, 1934.
Coats. Frank Baum, Inc. 319,316; Nov. 20; Serial No. 352,847; published Aug. 28, 1934.
Coats, Outer. Germania Mills. 319,309; Nov. 20; Serial No. 341,284; published Aug. 28, 1934.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 319,385; Nov. 20.
Collars. M. Van Gelder. 319,275; Nov. 20; Serial No. 353,307; published Aug. 28, 1934.
Corsets. Sears, Roebuck and Co. 319,350; Nov. 20; Serial No. 353,951; published Sept. 11, 1934.
Corsets. Sears, Roebuck and Co. 319,387; Nov. 20.
Corsets, brassières, girdles, etc. Vogue Brassière Mfg. Co. 319,191; Nov. 20; Serial No. 352,803; published Sept. 11, 1934.
Corsets, corselettes, brassières, etc. D. Bickum. 319,278; Nov. 20; Serial No. 352,154; published Sept. 11, 1934.
Corsets, corselettes, brassières, etc. D. Bickum. 319,336; Nov. 20; Serial No. 352,660; published Sept. 11, 1934.
Dresses, Children's. Marshall Field & Company. 319,276–7; Nov. 20; Serial Nos. 353,328–9; published Sept. 11, 1934.
Dresses, Women's. Kearns Brothers, Inc. 319,339; Nov. 20; Serial No. 348,979; published Aug. 28, 1934.
Hose, Men's. Wilson Brothers. 319,171; Nov. 20; Serial No. 328,652; published Sept. 4, 1934.
Hosiery. Laurel Hosiery Company, Inc. 319,392; Nov. 20.
Hosiery. H. Mantell. 319,332; Nov. 20; Serial No. 352,589; published Aug. 21, 1934.
Hosiery. Primtit Textile Company. 319,220; Nov. 20; Serial No. 353,579; published Sept. 11, 1934.
Hosiery. Rollins Hosiery Mills, Inc. 319,286; Nov. 20; Serial No. 353,540; published Aug. 28, 1934.
Hosiery for women. Cooper, Wells & Co. 319,211; Nov. 20; Serial No. 353,709; published Sept. 11, 1934.
Mufflers. Jacobson-Son, Inc. 319,319; Nov. 20; Serial No. 352,860; published Aug. 21, 1934.
Neckpieces, Marten fur. Joseph J. Schwartz, Inc. 319,239; Nov. 20; Serial No. 338,114; published Aug. 28, 1934.
Neckties. B. Robbins. 319,193; Nov. 20; Serial No. 353,581; published Sept. 11, 1934.
Overalls, jumpers, pants, etc. Patterson Manufacturing Company. 319,308; Nov. 20; Serial No. 340,656; published Aug. 28, 1934.
Overalls, Men's and boys'. Globe Superior Corporation. 319,357; Nov. 20; Serial No. 353,921; published Sept. 11, 1934.
Overalls, work pants, play suits, etc. Gross Galesburg Company. 319,245; Nov. 20; Serial No. 348,545; published Sept. 4, 1934.
Overcoats. S. Bloom. 319,337; Nov. 20; Serial No. 352,661; published Aug. 28, 1934.
Scarfs and mufflers. Jacobson-Son, Inc. 319,318; Nov. 20; Serial No. 352,858; published Sept. 11, 1934.
Shirts. F. Jacobson & Sons. 319,253; Nov. 20; Serial No. 352,906; published Aug. 21, 1934.
Shirts and collars. A. H. Ide & Co. 319,330; Nov. 20; Serial No. 352,580; published Aug. 28, 1934.
Shoe soles and shoe heels. Saturnia Shoe Products Co. 319,348; Nov. 20; Serial No. 350,059; published Sept. 11, 1934.
Shoes. London Character Shoes, Inc. 319,229; Nov. 20; Serial No. 351,575; published Sept. 11, 1934.
Shoes, Children's. McCurdy and Company, Inc. 319,325; Nov. 20; Serial No. 352,496; published Sept. 11, 1934.
Shoes, slippers and boots. O. H. Hassel. 100,705; renewed Oct. 20, 1934.
Sportwear, Junior Misses' and misses'. Franklin Simon & Co. 319,324; Nov. 20; Serial No. 352,433; published Sept. 11, 1934.
Stockings. Howard Hosiery Company. 319,386; Nov. 20.
Suits and dresses, Cotton. Friedberger-Aaron Manufacturing Company. 319,234; Nov. 20; Serial No. 351,805; published Sept. 4, 1934.
Suits, and sweaters, Bathing and swimming. West Coast-Manchester Mills, Inc. 319,360; Nov. 20; Serial No. 353,963; published Sept. 11, 1934.
Suits, coats, robes, etc., Men's and boys'. Lorraine Manufacturing Co. 319,350; Nov. 20; Serial No. 350,253; published Sept. 11, 1934.
Suits, overcoats, etc., Men's and young men's. M. A. Winick. 319,369; Nov. 20; Serial No. 352,770; published Sept. 11, 1934.
Sweathers, dresses, and coats. Groblue Knitting Mills Inc. 319,178; Nov. 20; Serial No. 347,850; published Sept. 4, 1934.
Trousers, knickers, coats, etc. Van Wert Mfg. Company. 319,190; Nov. 20; Serial No. 354,101; published Sept. 4, 1934.
Undergarments, Ladies'. Garfinkel & Ritter. 319,163; Nov. 20; Serial No. 354,078; published Sept. 4, 1934.
Undergarments, Women's. Franklin Simon & Co., Inc. 319,173; Nov. 20; Serial No. 352,973; published Sept. 11, 1934.
Underwear. B. V. D. Company. 319,195; Nov. 20; Serial No. 353,594; published Sept. 11, 1934.
Underwear, hosiery, sweaters, etc. H. Goodman. 319,381; Nov. 20.
Uniforms, Musicians'. J. C. Harper. 319,326; Nov. 20; Serial No. 352,538; published Sept. 11, 1934.

CLASS 40

Needles. Naaldenfabrieken "Hollandia" N. V. 319,345; Nov. 20; Serial No. 349,683; published Sept. 11, 1934.
Ribbons and hair bows, Hair. J. Rosen & Sons. 319,340; Nov. 20; Serial No. 352,198; published Sept. 11, 1934.

CLASS 42

Cheesecloth put up in sanitary containers, Absorbent. Chicopee Manufacturing Corporation. 319,258; Nov. 20; Serial No. 353,211; published Sept. 11, 1934.
Cotton ducks and drills, awning stripe and ticking, etc. John Boyle & Company. 319,230; Nov. 20; Serial No. 351,683; published Sept. 11, 1934.
Cotton, linen, and woolen goods. David Schwartz Company. 319,242; Nov. 20; Serial No. 339,083; published Sept. 11, 1934.
Diapers. C. L. Fancher. 319,312; Nov. 20; Serial No. 350,687; published Aug. 28, 1934.
Fabrics of wool, cotton, silk, etc. Fred Butterfield & Co. 319,184; Nov. 20; Serial No. 354,029; published Sept. 4, 1934.
Handkerchiefs. Engel & Sackin. 319,412; Nov. 20.
Linings. Folkard & Lawrence. 319,289; Nov. 20; Serial No. 353,472; published Sept. 18, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,189; Nov. 20; Serial No. 354,030; published Sept. 11, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,194; Nov. 20; Serial No. 353,596; published Sept. 11, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,197–9; Nov. 20; Serial Nos. 353,597–9; published Sept. 11, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,202; Nov. 20; Serial No. 353,600; published Sept. 11, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,203; Nov. 20; Serial No. 353,702; published Sept. 11, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,206; Nov. 20; Serial No. 353,706; published Sept. 11, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 319,207–8; Nov. 20; Serial Nos. 353,703–4; published Sept. 11, 1934.

Rugs and mats, Woven Angora pile floor. Edwin Field & Sons, Limited. 319,343; Nov. 20; Serial No. 349,363; published Sept. 11, 1934.
Rugs, Textile. Sears, Roebuck and Co. 319,394; Nov. 20.
Rugs, Textile. Sears, Roebuck and Co. 319,405–6; Nov. 20.
Silk curtains and silk goods. A. Theodore Abbott & Company. 100,738; renewed Oct. 27, 1934.
Silk fabrics. Onondaga Silk Company. 319,246; Nov. 20; Serial No. 353,075; published Aug. 28, 1934.
Silk fabrics. Onondaga Silk Company. 319,352; Nov. 20; Serial No. 353,900; published Sept. 4, 1934.
Silk fabrics. Onondaga Silk Company. 319,396; Nov. 20.
Textile goods. Bradford Dyers' Association, Limited. 43,861; renewed Oct. 15, 1934.
Textile goods. Bradford Dyers' Association, Limited. 43,862; renewed Dec. 20, 1934.
Woolen piece goods and woolen blankets. Faribault Woolen Mill Co. 102,919; renewed Mar. 2, 1935.

CLASS 43

Thread, Cotton. American Thread Company. 319,218; Nov. 20; Serial No. 353,875; published Sept. 4, 1934.
Thread, Cotton. Summit Thread Company. 319,169; Nov. 20; Serial No. 354,482; published Sept. 11, 1934.
Thread, Sewing. Gershon & Schreiber. 319,205; Nov. 20; Serial No. 353,642; published Sept. 4, 1934.
Wool, worsted, Angora, etc., yarn and mixtures thereof. Steinberger Bros., Inc. 319,346; Nov. 20; Serial No. 349,692; published June 5, 1934.
Yarn, Rayon. Barnhardt Brothers. 319,294; Nov. 20; Serial No. 345,324; published Sept. 4, 1934.
Yarns. Albert H. Vandam Co. 319,367; Nov. 20; Serial No. 352,764; published Sept. 4, 1934.
Yarns and threads. A. & H. Shillman Company. 319,323; Nov. 20; Serial No. 352,404; published Sept. 11, 1934.
Yarns, Chenille. Valway Rug Mills, Inc. 319,223; Nov. 20; Serial No. 353,550; published Aug. 28, 1934.
Yarns, Knitting. Porter (Philadelphia) Inc. 319,237; Nov. 20; Serial No. 351,997; published Sept. 11, 1934.
Yarns, Knitting and embroidery and chenelles. W. H. Horstmann & Sons. 11,651; renewed Nov. 11, 1934.

CLASS 44

Electrodes. General Electric X-Ray Corporation. 319,356; Nov. 20; Serial No. 353,918; published Sept. 11, 1934.
Hair dryers, Electric. Central West Products Company. 319,257; Nov. 20; Serial No. 353,207; published Sept. 18, 1934.
Nasal sprays, Human. E. I. Green. 319,268; Nov. 20; Serial No. 353,433; published Sept. 18, 1934.

CLASS 45

Beverage and sirup and extract for making same, Maltless. C. E. Trees & Company. 319,134; Nov. 20; Serial No. 354,665; published Sept. 11, 1934.
Beverages and potable natural water. America Dry Corporation. 319,300; Nov. 20.
Beverages and syrups and extracts used in same, Maltless. Shivar Springs, Inc. 319,153; Nov. 20; Serial No. 354,526; published Sept. 11, 1934.
Beverages, Maltless. Roma Gazosa Company. 319,196; Nov. 20; Serial No. 353,593; published Sept. 11, 1934.

CLASS 46

Alimentary pastes, macaroni products, semolina spaghetti, etc. R. Raulli. 319,388; Nov. 20.
Applesauce, baking-powder, flour, etc. Clover Farm Stores Corporation. 319,296; Nov. 20; Serial No. 344,631; published Sept. 11, 1934.
Biscuit. National Biscuit Company. 102,758; renewed Feb. 23, 1935.
Biscuits and crackers, Filled and coated. Battle Creek Biscuit Company. 319,344; Nov. 20; Serial No. 349,557; published Sept. 11, 1934.
Bread, Rye. Rubel Baking Company. 319,349; Nov. 20; Serial No. 350,110; published Sept. 11, 1934.
Butter. J. R. Kramer, Inc. 319,136; Nov. 20; Serial No. 354,209; published Sept. 11, 1934.
Cakes, Fruit. Peter Kern Company, Inc. 97,621; renewed June 16, 1934.
Candy and chocolates. A. Rosen. 319,391; Nov. 20.
Canned fruits and vegetables. J. K. Armsby Co. 102,780; renewed Feb. 23, 1935.
Canned shrimp and oysters. Dunbar-Dukate Co. 319,165; Nov. 20; Serial No. 354,115; published Sept. 11, 1934.
Cereal food, Breakfast. Yock Brothers. 319,380; Nov. 20.
Cheese. M. Landau. 319,229; Nov. 20; Serial No. 351,741; published Aug. 21, 1934.
Coffee. Coffee Refining Co. 319,410; Nov. 20.
Coffee-like beverage. Kellogg Company. 319,167; Nov. 20; Serial No. 328,438; published June 14, 1932.
Confections, Iced. Sno-Ko Products Co. 319,235; Nov. 20; Serial No. 336,888; published Aug. 28, 1934.
Eggs. S. Meierfeld. 319,280; Nov. 20; Serial No. 351,473; published Sept. 11, 1934.
Flour, Wheat. John B. A. Kern & Sons. 103,291; renewed Mar. 30, 1935.
Food, Poultry. Albers Bros. Milling Co. 319,411; Nov. 20.
Fruits and berries, fruit preserves and jellies. R. D. Bodle Company. 319,378; Nov. 20.
Fruits, Citrus. Co-Operative Orange Ass'n. 99,956; renewed Sept. 29, 1934.
Fruits, Citrus. Pico Citrus Association. 319,364; Nov. 20; Serial No. 353,035; published Sept. 11, 1934.
Grapes. J. D. Martin. 319,409; Nov. 20.
Grapes, deciduous fruits, and vegetables, Fresh. B. B. Krasnow. 319,292; Nov. 20; Serial No. 339,401; published Sept. 11, 1934.
Gum, Chewing. National Syndicates, Inc. 319,315; Nov. 20; Serial No. 352,831; published Sept. 11, 1934.
Meats. City Provision Co. 319,291; Nov. 20; Serial No. 344,393; published Sept. 11, 1934.
Milk and butter, Evaporated. Telling Belle Vernon Company. 319,397; Nov. 20.
Milk and cream. Sheffield Farms-Slawson-Decker Company. 103,208; renewed Mar. 23, 1935.
Olive oil. A. Custode. 319,161; Nov. 20; Serial No. 354,368; published Sept. 11, 1934.
Pudding dessert powder. H. C. Brill Co. 319,288; Nov. 20; Serial No. 353,464; published Sept. 11, 1934.
Rice, tapioca, spices, and syrup for foods. J. K. Armsby Co. 102,354; renewed Feb. 9, 1935.
Syrup, Malt. Standard Brands Incorporated. 319,241; Nov. 20; Serial No. 353,305; published Sept. 11, 1934.
Syrup, Malt. Standard Brands Incorporated. 319,265–6; Nov. 20; Serial Nos. 353,304–5; published Sept. 11, 1934.
Tomato paste. Uddo Taormina Corporation. 319,298; Nov. 20; Serial No. 345,573; published Sept. 11, 1934.

CLASS 47

Wine. A. J. Capone. 319,148; Nov. 20; Serial No. 354,599; published Sept. 11, 1934.
Wine. Consolidated Wine & Spirit Corp. 319,274; Nov. 20; Serial No. 353,380; published Sept. 11, 1934.
Wine, Port. Morgado & Silva. 319,279; Nov. 20; Serial No. 351,076; published Sept. 11, 1934.
Wines. Bohemian Distributing Co. 319,353; Nov. 20; Serial No. 353,911; published Sept. 11, 1934.
Wines. Etablissements E. Bigeon Inc. 319,403; Nov. 20.
Wines. Fruit Industries, Ltd. 319,216; Nov. 20; Serial No. 353,800; published Sept. 11, 1934.
Wines. Kenny-Mara Importers Corporation. 319,224; Nov. 20; Serial No. 351,572; published Sept. 11, 1934.
Wines. David Pender Grocery Co. 319,144; Nov. 20; Serial No. 354,473; published Sept. 11, 1934.
Wines. Pierre-Bonard, Inc. 319,404; Nov. 20.
Wines. Geo. G. Sandeman, Sons & Co. Limited. 319,358; Nov. 20; Serial No. 353,949; published Sept. 11, 1934.
Wines. Sindicato Agricola Alella Vinicola Cooperativa de Produccio y Venta. 319,297; Nov. 20; Serial No. 345,840; published Sept. 11, 1934.
Wines. Superior Laboratories. 319,290; Nov. 20; Serial No. 353,416; published Sept. 11, 1934.
Wines. C. Tornello. 319,231; Nov. 20; Serial No. 351,665; published Sept. 11, 1934.
Wines. Wines of Spain, Inc. 319,186; Nov. 20; Serial No. 354,012; published Sept. 11, 1934.
Wines. W. B. Wright. 319,143; Nov. 20; Serial No. 354,493; published Sept. 11, 1934.
Wines. W. B. Wright. 319,370–3; Nov. 20; Serial Nos. 354,489–92; published Sept. 11, 1934.
Wines, Port. Real Companhia Vinicola do Norte de Portugal, Inc. 319,225; Nov. 20; Serial No. 351,524; published Sept. 11, 1934.

CLASS 48

Ales, beers, lagers, etc. Brewing Corporation of Canada, Limited. 319,233; Nov. 20; Serial No. 351,843; published Sept. 11, 1934.
Beer. Buddies' Beer. 319,314; Nov. 20; Serial No. 351,010; published Sept. 11, 1934.
Beer. Linden Brewery, Inc. 319,151; Nov. 20; Serial No. 354,512; published Sept. 11, 1934.
Beer. Oertel Company. 319,164; Nov. 20; Serial No. 354,131; published Sept. 11, 1934.
Beer. Sandlerbräu Ges. m. b. Hftg. 103,036; renewed Mar. 6, 1935.
Beer. Tivoli Brewing Company. 319,262; Nov. 20; Serial No. 353,188; published Sept. 11, 1934.
Beer and malt extract. Birk Bros. Brewing Co. 40,198; renewed Apr. 28, 1933.
Malt beverage. Northampton Brewery Corporation. 319,299; Nov. 20; Serial No. 345,488; published Sept. 11, 1934.

CLASS 49

Cognac. Florido & Co. 319,321; Nov. 20; Serial No. 352,316; published Sept. 18, 1934.
Curacao and alcoholic cordials. B. B. Dorf & Company. 319,355; Nov. 20; Serial No. 353,915; published Sept. 18 1934.
Gin. Bellows & Company. 319,166; Nov. 20; Serial No. 354,109; published Sept. 18, 1934.
Gin, Dry. Mount Rose Distilling Co. 319,177; Nov. 20; Serial No. 346,170; published Sept. 18, 1934.
Gins. Coe Distributors, Inc. 319,174; Nov. 20; Serial No. 352,966; published Sept. 18, 1934.
High-balls, Prepared alcoholic. Tom Collins Corporation. 319,267; Nov. 20; Serial No. 353,420; published Sept. 18, 1934.
Rum. E. B. Fernandez. 319,157; Nov. 20; Serial No. 354,372; published Sept. 18, 1934.
Rum. Kienzler Company, Inc. 319,362; Nov. 20; Serial No. 353,959; published Sept. 18, 1934.

Vermouth, alcoholic bitters, and cocktails, etc. A. Contratto. 319,341; Nov. 20; Serial No. 349,124; published Sept. 18, 1934.
Whiskey. Franklin Stores Co. 319,283; Nov. 20; Serial No. 352,076; published Sept. 18, 1934.
Whiskey. J. E. Hogg. 319,327; Nov. 20; Serial No. 352,540; published Sept. 18, 1934.
Whiskey. J. Simon & Sons, Inc. 319,244; Nov. 20; Serial No. 353,153; published Sept. 18, 1934.
Whiskey. J. Simon & Sons, Inc. 319,260; Nov. 20; Serial No. 353,156; published Sept. 18, 1934.
Whiskey. J. A. Tacke. 319,287; Nov. 20; Serial No. 353,457; published Sept. 18, 1934.
Whiskey. Union Distillers Products Co. 319,152; Nov. 20; Serial No. 354,667; published Sept. 18, 1934.
Whiskey. Hiram Walker & Sons Inc. 319,135; Nov. 20; Serial No. 354,221; published Sept. 4, 1934.
Whiskey. Weideman Co. 319,150; Nov. 20; Serial No. 354,645; published Sept. 18, 1934.
Whiskey. Ferdinand Westheimer Sons Company. 319,301; Nov. 20; Serial No. 343,244; published Jan. 23, 1934.
Whiskey, gin, brandy, etc. Callis and Hammond. 319,139; Nov. 20; Serial No. 354,343; published Sept. 18, 1934.
Whiskey, gin, brandy, etc. Kienzler Company. 319,146; Nov. 20; Serial No. 354,655; published Sept. 18, 1934.
Whiskey, gin, brandy, etc. Steinhardt Company. 319,149; Nov. 20; Serial No. 354,641; published Sept. 18, 1934.
Whiskey, gin, rum, etc. E. Joseph. 319,285; Nov. 20; Serial No. 353,515; published Sept. 18, 1934.
Whiskey, Scotch. Robert McNish & Co. 319,398; Nov. 20.
Whiskeys. Coffin-Redington Company. 319,368; Nov. 20; Serial No. 352,768; published Sept. 18, 1934.
Whiskies and other potable distilled liquors. United Distillers & Winers, Inc. 319,303; Nov. 20; Serial No. 343,713; published Jan. 16, 1934.
Whisky. Ferdinand Westheimer Sons Company. 319,305; Nov. 20; Serial No. 342,559; published Dec. 12, 1933.
Whisky. Ferdinand Westheimer Sons Co. 319,310; Nov. 20; Serial No. 342,054; published Dec. 26, 1933.
Whisky, Irish. "Old Bushmills" Distillery Co. 319,137; Nov. 20; Serial No. 354,132; published Sept. 18, 1934.

CLASS 50

Fabrics made of silk, etc. J. W. Geiger, Inc. 319,240; Nov. 20; Serial No. 338,040; published July 11, 1933.

LIST OF LABELS

Aurora. For Flour. George Urban Milling Company. 44,676; Nov. 20.
Bit-O-Honey. For a Candy Bar. Schutter-Johnson Candy Corporation. 44,673; Nov. 20.
Cheripac. For Pitted Red Sour Cherries. Cherry Growers Packing Company. 44,663; Nov. 20.
Coffelt's Never Failing Hair Coloring. For Hair Coloring. Coffelt Chemical Co., Inc. 44,664; Nov. 20.
Dr. Hess Poultry Worm Powder. For Poultry Worm Powder. Dr. Hess & Clark, Inc. 44,667; Nov. 20.
Dr. Hess Poultry Worm Tablets. For Poultry Worm Tablets. Dr. Hess & Clark, Inc. 44,668; Nov. 20.
Dr. Scholl's Pedicreme. For a Cream for the Relief of Sore, Tired, Aching Feet, Burning Callouses, Corns, Chilblains, and Rough, Tender Skin. Scholl Mfg. Co., Inc. 44,671; Nov. 20.
Ehlco Dry-Energy Floor Cleaner. For a Floor Cleaner. C. F. Ehle. 44,665; Nov. 20.
Ever-Shine. For Polishing Bags. Brooks & Porter, Inc. 44,660; Nov. 20.
Grand Traverse. For Red Pitted Cherries. Cherry Growers Packing Company. 44,662; Nov. 20.
Iodized by Mother Nature. For Seacoast-grown vegetables. D. R. Boisseau. 44,659; Nov. 20.
Kentucky Gentlemen. For Straight Kentucky Whiskey. Josselson Bros., Incorporated. 44,669; Nov. 20.
Liquid Wax Dries Bright Without Rubbing or Polishing. For Liquid Wax. Mirax Chemical Products Corporation. 44,670; Nov. 20.
Master Bread. For Sliced Bread. Zinsmaster Baking Company. 44,681; Nov. 20.
Montmorency. For Pitted Red Cherries. Cherry Growers Packing Company. 44,661; Nov. 20.
Nix On Runs. For a Powder for Preventing Runs in Hosiery and Rayons. C. F. Shaw. 44,674; Nov. 20.
Old Nick. For a Candy Bar. Schutter-Johnson Candy Corporation. 44,672; Nov. 20.
Protect Your Health. For Bags for Receiving Dust. C. E. Smith. 44,675; Nov. 20.
The Wine Barrel. For Wine. Wine Trading Company, The. 44,677; Nov. 20.
Washburn's Pancake Flour. For Pancake Flour. General Mills, Inc. 44,666; Nov. 20.
Wrigley's Pepsin Gum. For Pepsin Gum. Wm. Wrigley, Jr. Company. 44,678; Nov. 20.
Yuengling's Porter. For Porter. D. C. Yuengling & Son, Inc. 44,679; Nov. 20.
Yukon's Star & Crescent. For Flour. Yukon Mill and Grain Company. 44,680; Nov. 20.

LIST OF PRINTS

Like Brown October Ale. Waldorf Harvest Brew. A Superfine Lager Beer. For Lager Beer. Forest City Brewery Inc. 14,921; Nov. 20.
Wrigley's Pepsin Gum. For Pepsin Gum. Wm. Wrigley Jr. Company. 14,922; Nov. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Ernest J. (See Firestone, F. A., Abbott, and Vincent.)
Acme Steel Company. (See MacChesney, Chester M., assignor.)
Acme Steel Company. (See Wilson, Allen B., assignor.)
Addressograph Company. (See Osborn, Henry C., assignor.)
Adlake Company, The. (See Hamm, William S., assignor.)
Adler, Charles, jr., Baltimore, Md. Signal. 1,981,577; Nov. 20.
Adrian, Sylvester. (See Horn, Charles, assignor.)
Aegler, Hermann, Bienne, Switzerland. Self-winding timepiece. 1,981,297; Nov. 20.
Aga-Baltic Radio A. B. (See Anderson, E. E. W., and Johanson, assignors.)
Agfa Ansco Corporation. (See Hagedorn, M., and von Kujawa, assignors.)
Ahrens, Hans. (See Klamroth, A., and Ahrens.)
Aiken, George D., Putney, Vt. Strawberry. Pl. Pt. 112; Nov. 20.
Air Reduction Company, Incorporated. (See Anderson, James L., assignor.)
Air Reduction Company, Incorporated. (See Goerg, Walter, assignor.)
Air Reduction Company, Incorporated. (See Ragonnet, Eugene L., assignor.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Ajax Spring Stabilizer Company. (See Chesley, Walter R., assignor.)
Ajax Spring Stabilizer Company. (See Christman, John M., assignor.)
Aker, Floyd J., Newark, N. J., assignor to Eastern Cutter Salvage Corporation. Cutter salvage machine. 1,981,445; Nov. 20.
Albany Corrugated Container Corp. (See Nuckols, Claude C., assignor.)
Aldrich, William T., Springfield, assignor to A. G. Spalding Bros., Chicopee, Mass. Golf club. 1,981,085; Nov. 20.
Alemite Corporation. (See Davis, Ernest W., assignor.)
Alhambra Airport and Air Transport Company. (See Loughead, Allan H., assignor.)
Alheit, Henry A., Milton, Mass. Display case. 1,980,973; Nov. 20.
Allen Bradley Company. (See Wilms, G. O., and Dawe, assignors.)
Allgemeine Elektricitats Gesellschaft. (See Engel, Kurt, assignor.)
Allibone, Thomas E., Sale, England, assignor to General Electric Company. High voltage discharge tube and circuits therefor. 1,981,537; Nov. 20.
Allyn, William N., Auburn, N. Y. Ophthalmoscope. 1,981,214; Nov. 20.
Alox Chemical Corporation. (See Burwell, Arthur W., assignor.)
Alsop, Samuel, New York, N. Y. Mixer. 1,981,215; Nov. 20.
American Can Company. (See Currie, Robert, assignor.)
American Can Company. (See Holloway, William M., assignor.)
American Can Company. (See Reid, John G., assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, A. O., and Daniels, assignors.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
American Machine & Foundry Company. (See Leary, James W., assignor.)
American Machine & Foundry Company. (See Nejedly, Peter M., assignor.)
American Manganese Steel Company. (See Clark, John O'F., assignor.)
American Meter Company. (See Corrier, L. J., and Greiner, assignors.)
American Seating Company. (See Hamilton, George H., assignor.)
American Steel Foundries. (See Baker, C. C., and Baselt, assignors.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Steel Foundries. (See Kinne, E. P., and Kayler, assignors.)
American Tar Products Co., Inc. (See Roche, James N., assignor.)
American Telephone and Telegraph Company. (See Mitchell, Doren, assignor.)
American Telephone and Telegraph Company. (See Mitchell, D., and Wright, assignors.)
Amity Leather Products Co. (See Wege, John P., assignor.)
Anaconda Wire & Cable Company. (See McCloy, A. S., and French, assignors.)
Anderson Banking Company, executor. (See Norviel, Harry E.)
Anderson, Emil E. W., and G. K. V. Johanson, assignors to Aga-Baltic-Radio A. B., Stockholm, Sweden. Method and apparatus for advancing film past a place of recording or reproduction. 1,980,978; Nov. 20.
Anderson, James L., Closter, N. J., assignor to Air Retion Company, Incorporated, New York, N. Y. Circumferential pipe cutting or welding machine. 1,981,340; Nov. 20.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Circumferential pipe cutting or welding machine. 1,981,341; Nov. 20.
Antworth, Samuel J. (See Quimby, A., and Antworth.)
Apfelbaum, Myer, Philadelphia, Pa. Combined seltzer water and sirups dispensing bottle device. 1,981,446; Nov. 20.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake mechanism. 1,980,974; Nov. 20.
Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,981,216; Nov. 20.
Archetti, Nicola S., Germantown, Pa. Plastic composition. 1,981,769; Nov. 20.
Arid Ice Corporation. (See Bright, Seth L., assignor.)
Arthur, James L., Anderson, Ind., assignor, by mesne assignments to General Motors Corporation, Detroit, Mich. Ignition distributor rotor. 1981,021; Nov. 20.
Ashman, Alfred O. (See Bunce, E. H., and Ashman.)
Assmus, Cyril O., New York, N. Y. Optical system. 1,981,492; Nov. 20.
Associated Patents, Inc. (See De Vlieg, Charles B., assignor.)
Atkinson, Ralph H., Acton, England, assignor to The International Nickel Company Inc., New York, N. Y. Electrodeposition of metals. 1,981,715; Nov. 20.
Atwood Vacuum Machine Company. (See Perry, Ira D., assignor.)
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulation for electrical apparatus. 1,981,716; Nov. 20.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,981,717; Nov. 20.
Austin Manufacturing Co. (See Beatty W. T., and Wilson, assignors.)
Autogiro Company of America. (See Campbell, Harris S., assignor.)
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Automatic Electric Company Limited. (See Roseby, Philip N., assignor.)
Automotive Engineering Corporation. (See Fageol, Rollie B., assignor.)
Ayotte, Joseph R., assignor to H. F. Leopold, Chicago, Ill. Igniting device. 1,981,022; Nov. 20.
Baden, Siegfried C., Los Angeles, Calif. Glare shield. 1,981,261; Nov. 20.
Bagglolini, John, Soledad, Calif. Egg cooker. 1,981,578; Nov. 20.
Bailey, Louis S., Seattle, Wash., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricating nozzle. 1,981,493; Nov. 20.
Baker, Chris C., Hammond, Ind., and W. H. Baselt, assignors to American Steel Foundries, Chicago, Ill. Brake head. 1,981,023; Nov. 20.
Baker & Company. (See Zimmermann, F., and Zschiegner, assignors.)
Baker, Hastings W. and S. Y.; said S. Y. Baker assignor to said H. W. Baker, Dayton, Ohio. Cemetery vase. 1,981,640; Nov. 20.
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Baker Perkins Company, Inc. (See Ricker, Frederick G., assignor.)
Baker, Sallie Y. (See Baker, Hastings W. and S. Y.)
Balch, Thomas V., Shaker Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Radiator shield and bracket. 1,981,539; Nov. 20.
Balch, Thomas V., Shaker Heights, and J. A. Bohnsack, Cleveland Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Adjustable door unit for sectional partitions. 1,981,538; Nov. 20.
Baldut, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Attaching clip. 1,981,217; Nov. 20.
Baldwin, William H., assignor of one-fourth to R. T. Lloyd, Madison, Wis. Water system. 1,981,160; Nov. 20.

Bale, Charles W., assignor to H. W. Klosterman, Portland, Oreg. Primer valve for floor drains. 1,981,540; Nov. 20.

Balton, James, assignor to J. Shapiro, Baltimore, Md. Ice cream cone. 1,981,770; Nov. 20.

Banta, Leo A., Clearfield, Pa., assignor of one-half to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerator display case. 1,981,298; Nov. 20.

Barclay, Ivor G. (See Plym, F. J., and Barclay.)

Barnhart, George E., Pasadena, Calif. Golf club. Des. 93,862; Nov. 20.

Barra, Albin, Danzig, Free City of Danzig. Husking cereals. 1,981,409; Nov. 20.

Barrett Company, The. (See Harvey, Edward W., assignor.)

Barrett Company, The. (See McCloskey, Gregory E., assignor.)

Barrett, Leon J. (See Hyde, William A., assignor.)

Barstow, Alfred. (See Ross, Samuel E., assignor.)

Baselt, Walter H. (See Baker, C. C., and Baselt.)

Bass, J. V., et al. (See Beckler, Oakley K., assignor.)

Bastian-Blessing Company, The. (See Buttner, William C., assignor.)

Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)

Bausch & Lomb Optical Company. (See Martin, Allan F., assignor.)

Bay Sstate Optical Company. (See Nerney, George E., assignor.)

Beacon Oil Company. (See Crittenden, B. P., and Killinger, assignors.)

Beam, Vilynn O., and N. T. Branche, assignors to Surface Combustion Corporation, Toledo, Ohio. Control valve for heating systems. 1,981,218; Nov. 20.

Beatty, William T., Chicago, and F. D. Wilson, Harvey, assignors to Austin Manufacturing Co., Chicago, Ill. Dual drive road machine. 1,981,821; Nov. 20.

Beaugrand, Walter S. (See Roberts, H. N., and Beaugrand.)

Beauvisage, Johann, Cologne, Germany. Device for uniting package and bale hoops. 1,981,080; Nov. 20.

Becher, Hubert L., Trenton, N. J. Pulp board and making same. 1,980,979; Nov. 20.

Berk, George C., Spokane, Wash. Initial centering device and method. 1,980,975; Nov. 20.

Beckler, Oakley K., Dallas, Tex., assignor of forty-nine percent to O. W. Harris, Marshalltown, Iowa, and J. V. Bass, Omaha, Nebr. Lighter for gaseous fuel burners. 1,981,200; Nov. 20.

Bell Telephone Laboratories, Incorporated. (See Hostwick, Lee G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Keller, Arthur C., assignor.)

Bell Telephone Laboratories, Incorporated. (See King, Douglas H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Long, George E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Quarles, Donald A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Depew, assignors.)

Bellini, Ettore, assignor to Compagnie Generale de Telegraphie Sans Fils, Paris, France. Antenna system. 1,981,024; Nov. 20.

Bendix Brake Company. (See Apple, Vincent G., assignor.)

Bendix Cowdrey Brake Tester, Inc. (See Semmes, Harry H., assignor.)

Bendix-Cowdrey Brake Tester, Inc. (See Statz, Robert J., assignor.)

Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Composite article and making the same. 1,981,771; Nov. 20.

Bennett, Harry, Brooklyn, N. Y. Producing an aqueous wax emulsion. 1,981,608; Nov. 20.

Bennett, Henry E., Chicago, Ill. Chair. 1,981,579; Nov. 20.

Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Bottle handling apparatus. 1,981,641; Nov. 20.

Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Apparatus for handling bottles and jars. 1,981,642; Nov. 20.

Berg, Hans, Grand Rapids, Mich. Cabinet corner construction. 1,981,494; Nov. 20.

Berg, Otto M., Emeryville, Calif. Shoe sole. 1,981,300; Nov. 20.

Bergdolt, Alfred, Cologne-on-the-Rhine, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compoumds of the carbazole series. 1,981,301; Nov. 20.

Berland, Leon A., Seine, France. Connecting rod. 1,981,609; Nov. 20.

Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Feed control for flying shear. 1,981,382; Nov. 20.

Bird, John C., assignor to Union Steam Pump Company, Battle Creek, Mich. Pump. 1,981,025; Nov. 20.

Biringer, Herman W., assignor to The Permold Company, Cleveland, Ohio. Permanent mold. 1,981,580; Nov. 20.

Bishop & Babcock Manufacturing Company, The. (See Zimmerman, William R., assignor.)

Bishop, George D., Sanford, Fla. Fruit guard. 1,981,772; Nov. 20.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric grounding connecter. 1,981,796; Nov. 20.

Bitner, Fred H., Denver, Colo. Sugar bowl cap. Des. 93,864; Nov. 20.

Bittman, Jesse C. (See McIlvried, E. J., and Bittman.)

Bjorkstedt, William G. (See Rossa, Peter A., assignor.)

Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube detector. 1,981,342; Nov. 20.

Black, William H., New York, N. Y. Safety razor. 1,981,773; Nov. 20.

Blackburn, Jasper, and J. A. Weaver, jr., Webster Groves, Mo. Wire connecter. 1,981,685; Nov. 20.

Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Viscose spinning solution. 1,981,643; Nov. 20.

Blitz, Martha, New York, N. Y. Foldable container. 1,981,774; Nov. 20.

Block, William H., Chicago, Ill. Cigarette vending machine. 1,981,135; Nov. 20.

Blodgett, Herbert C., assignor to Door Control Company, Hartford City, Ind. Electric door control. 1,981,026; Nov. 20.

Bloom, Joseph, New York, N. Y. Girdle. 1,981,136; Nov. 20.

Blum, Hosmer L., Alameda, Calif., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid meter. 1,981,797; Nov. 20.

Bobroff, Hornett L., Racine, Wis. Signal light for automotive vehicles. 1,981,302; Nov. 20.

Bodenstein, Paul H., Petersburg, Va., assignor to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa. Preparation of carbon disulphide and hydrogen sulphide. 1,981,161; Nov. 20.

Bohn Aluminum & Brass Corporation. (See McCullough, William E., assignor.)

Bohnsack, John A. (See Balch, T. V., and Bohnsack.)

Bonglovanni, Antonio. (See Grasso, S., and Bonglovanni.)

Bonsack, Walter, Cleveland, Ohio, assignor to The National Smelting Company. Composition of matter for treating aluminum alloys. 1,981,708; Nov. 20.

Borden, Stephen W., Summit, N. J. Ground fittings. 1,981,945; Nov. 20.

Bosch, Robert, Aktiengesellschaft. (See Walther, Wilhelm, assignor.)

Bostwick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating system. 1,981,680; Nov. 20.

Botts, Carliss E., Cascade, assignor of one-half to C. Clark, Elsmere, Nebr. Motor hay rake. 1,981,303; Nov. 20.

Bowen, John D., Lawrence, Kans. Apparel protector. 1,981,775; Nov. 20.

Bowen Products Corporation. (See Gleason, Frederick H., assignor.)

Bowser, S. F., & Company, Inc. (See Blum, Hosmer L., assignor.)

Boyd, John R., Natchez, Miss. Rim construction. 1,981,776; Nov. 20.

Branche, Nelson T. (See Beam, V. O., and Branche.)

Brandt, Fokko, Kansas City, Mo. Rod or pipe clamp. 1,981,304; Nov. 20.

Bray, Ulric B., Los Angeles, and R. C. Pollock and D. R. Merrill, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for the catalytic treatment of petroleum. 1,981,305; Nov. 20.

Brent, James A., Olympia, Wash. Shoe lacing eyelet. 1,918,087; Nov. 20.

Bridgeport Brass Company. (See Macdonald, William F., assignor.)

Briggs, Herbert R., South Reddish, and R. W. Hardacre, Cheetham Hill, England, assignors to Imperial Chemical Industries Limited. Textile printing process and composition. 1,981,027; Nov. 20.

Briggs & Stratton Corporation. (See Brown, Jerome, assignor.)

Bright, Seth L., assignor, by mesne assignments, to Arid Ice Corporation, Detroit, Mich. Refrigerating apparatus. 1,981,830; Nov. 20.

Brinkman, Louis H., Glen Ridge, N. J. Pipe coupling. 1,981,777; Nov. 20.

British Electrical and Allied Industries Research Association. (See Whitney, W. B., and Wedmore, assignors.)

British National Electrics Limited. (See Lipsey, Maurice, assignor.)

Britton, Edgar C., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Insecticide. 1,981,219; Nov. 20.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Two-speed collector belt for cigarette machines. Re19,375; Nov. 20.

Brown, Frederick E. (See Matthews, F. C., Brown, and Pengelly.)

Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)

Brown, Jerome, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Method of and machine for applying metal covers to automotive vehicle springs. 1,981,162; Nov. 20.

Brown, William W., Blytheville, Ark. Valve mechanism for rotary engines. 1,981,778; Nov. 20.

Brubaker, Walter S., assignor to Granberg Meter Corporation, San Francisco, Calif. Fluid meter. 1,981,831; Nov. 20.

Brunton, Earl W., assignor of one-half to M. L. Medart, St. Louis, Mo. Hand operated cigarette making machine. 1,981,137; Nov. 20.

Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Purification of petroleum sulphonates. 1,981,799; Nov. 20.

Buchman, Samuel J., New York, N. Y. Child's legging and ski pants. 1,981,088; Nov. 20.

Buckeye Steel Castings Company, The. (See Orr, Claude L., assignor.)

Bucklen, Herbert E., Elkhart, Ind., assignor of one-half to J. A. Dienner, Evanston, Ill. Engine. 1,981,610; Nov. 20.

Bucknall, Alfred, Swanley, England. Pit cage and the like. 1,981,306; Nov. 20.

Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)

Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Whitesell, assignors.)

Bunce, Earl H., and A. O. Ashman, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Metallurgical furnace. 1,981,028; Nov. 20.

Bunting Brass & Bronze Company, The. (See Yager, George F., assignor.)

Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,981,138; Nov. 20.

Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,981,139; Nov. 20.

Bureau, Arthur A., and R. W. Clemmons, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,981,140; Nov. 20.

Burhans, William G., Kingston, N. Y. Filter cartridge 1,981,307; Nov. 20.

Burn, Louis, Sunnybank, Morden, Surrey, England. Indoor game apparatus. 1,981,581; Nov. 20.

Burrows, Mabel, executrix. (See Burrows, Robert W.)

Burrows, Robert W., deceased; M. Burrows, executrix, assignor to W. K. Jaquith, Petaluma, Calif. Packing pad. 1,981,944; Nov. 20.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Plunger and screen for hydraulic underreamers. 1,981,202; Nov. 20.

Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Rubber vulcanization assistant. 1,981,822; Nov. 20.

Bush Manufacturing Company, The. (See Mason, A. J., and Tancred, assignors.)

Butler, Clyde G. (See Harris, Cleo, and Butler.)

Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Filling device. 1,981,405; Nov. 20.

Butterworth, Arthur B., Brooklyn, N. Y., assignor, by mesne assignments, to Butterworth System, Inc., Wilmington, Del. Cleaning, sealing and gas freeing bulk cargo tanks of tank vessels. Re19,374; Nov. 20.

Butterworth System, Inc. (See Butterworth, Arthur B., assignor.)

Buttner, William C., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Faucet. 1,981,496; Nov. 20.

Byus, Vernon H., Baltimore, Md. Artificial fish lure. 1,981,029; Nov. 20.

Calkins, Austin E., Westfield, N. J., assignor to Standard Oil Development Company. Liquid level control device. 1,981,800; Nov. 20.

Callahan, James P., San Francisco, Calif. Side windshield. 1,980,976; Nov. 20.

Callender's Cable and Construction Company Limited. (See Hill, Harry, assignor.)

Campbell, Harris S., Hatboro, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors and operating the same. 1,980,980; Nov. 20.

Cappa, Thomas, Bloomfield, N. J. Combined cleaner and liquid dispensing apparatus. 1,981,611; Nov. 20.

Caprio, Amerigo F., Newark, N. J., assigner to Celluloid Corporation. Cementing foil and thin film. 1,981,141; Nov. 20.

Carlson, John I. W., Scottdale, Pa. Combination and key controlled latching mechanism for locks. 1,981,163; Nov. 20.

Carpenter, Gilbert B., Bellemoor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of carboxylic acids. 1,981,801; Nov. 20.

Carpenter, Jesse J., Fort Worth, Tex. Apparatus for reconditioning used oils. 1,981,089; Nov. 20.

Carr, Moses F., Lincoln, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket. 1,981,345; Nov. 20.

Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Method and system for ventilating and conditioning auditoriums and the like. 1,981,164; Nov. 20.

Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Gyroscopic base line. 1,981,687; Nov. 20.

Carter, Raymond S., and H. G. Dick, Akron, Ohio, assignors, by mesne assignments, to Wingfoot Corporation, Wilmington, Del. Belt. 1,981,644; Nov. 20.

Caster, John E., Covington, Ky., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,981,220; Nov. 20.

Celanese Corporation of America. (See Fulton, S. M., and McVeigh, assignors.)

Celanese Corporation of America. (See Kinsella, E., Pratt, and Kelsall, assignors.)

Celanese Corporation of America. (See Rooney, James H., assignor.)

Celanese Corporation of America. (See Schneider, George, assignor.)

Celluloid Corporation. (See Caprio, Amerigo F., assignor.)

Celluloid Corporation. (See Walsh, J. F., and Flynn, assignors.)

Central United National Bank. (See Stimson, Percy G., assignor.)

Centrifix Corporation. (See Hawley, Charles G., assignor.)

Chamberlain Corporation. (See Etten, Nicholas L., assignor.)

Chanut, Paul A., assignor to Steinberger Bros. Glove Corporation, New York, N. Y. Glove. 1,981,779; Nov. 20.

Charlet, Henry G., Long Beach, Calif. Locking receptacle for milk bottles. 1,981,780; Nov. 20.

Chase Companies, Incorporated, The. (See Pope, Elton A., assignor.)

Chase, Philip H., Bala-Cynwyd, Pa. Cable. 1,981,612; Nov. 20.

Chesley, Walter R., Somerville, assignor to Ajax Spring Stabilizer Company, Cambridge, Mass. Apparatus for applying spring covers to springs. 1,981,221; Nov. 20.

Chicon, John V., Ambridge, Pa. Hardening or tempering of copper. 1,981,718; Nov. 20.

Christman, John M., Detroit, Mich., assignor, by mesne assignments, to Ajax Spring Stabilizer Company, Chicago, Ill. Method of and machine for applying metal spring covers. 1,981,000; Nov. 20.

Cincinnati Ball Crank Company, The. (See Bailey, Louis C., assignor.)

Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)

Cincinnati Ball Crank Company, The. (See Harris, Cleo, assignor.)

Cincinnati Ball Crank Company, The. (See Harris, C., and Butler, assignors.)

Cincinnati Grinders Incorporated, The. (See Caster, John E., assignor.)

Cincinnati Milling Machine Company, The. (See Archea, Walter D., assignor.)

Cinder Chrome Company. (See Hede, Arvid, assignor.)

Clark, Charles A., Springfield, Mo. Artificial bait. 1,981,091; Nov. 20.

Clark, Clarence. (See Botts, Carliss E., assignor.)

Clark, George F., Whitney, Nebr. Fence post. 1,981,447; Nov. 20.

Clark, John O., University City, Mo., assignor to American Manganese Steel Company, Chicago, Ill. Pin lock. 1,981,541; Nov. 20.

Clarkson, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Foam reduction. 1,981,635; Nov. 20.

Clemmons, Ralph W. (See Bureau, Arthur A., and Clemmons.)

Cloer, Venus U. (See Sims, W. F., and Cloer, assignors.)

Cloetens, Georges, Brussels, Belgium. Musical instrument. 1,981,092; Nov. 20.

Closure Service Company, The. (See Merriman, Ralph S., assignor.)

Cochrane Corporation. (See Gibson, G. H., and Patterson, assignors.)

Cole, Eugene M., Charlotte, N. C. Guano distributor. 1,981,222; Nov. 20.

Cole, Eugene M., Charlotte, N. C. Fertilizer distributor. 1,981,223; Nov. 20.

Collette, Emery R., New York, N. Y. Cork pulling device. 1,981,781; Nov. 20.

Collins & Aikman Corporation. (See Hartley, Albert, assignor.)

Collins, Joseph P., St. Louis, Mo. Radiator shield or cover. 1,981,030; Nov. 20.

Colt's Patent Fire Arms Manufacturing Co. (See Schmalz, William F., assignor.)

Colucci, Giuseppe, Naples, Italy. Friction change speed gear. 1,981,582; Nov. 20.

Columbia Appliance Corporation. (See Gans, John, assignor.)

Columbia Appliance Corporation. (See Tolman, Charles P., assignor.)

Commerce, Secretary of. (See Dunmore, Francis W., assignor.)

Commerce, Secretary of. (See Isbell, Horace S., assignor.)

Compagnie Generale de Telegraphie Sans Fils. (See Bellini, Ettore, assignor.)

Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Hard cemented carbide material. 1,981,719; Nov. 20.

Conarroe, Grace A., Calhan, Colo. Automobile engine hood. 1,981,093; Nov. 20.

Container Corporation of America. (See Holy, Mitchel E., assignor.)

Conti, Vincent, New York, N. Y. Electric brush for teeth and the like. 1,981,688; Nov. 20.

Continental-Diamond Fibre Company. (See Benge, Frank H., assignor.)

Continental-Diamond Fibre Company. (See D'Aubigne, Emile M., assignor.)

Cooke, Hereward L., Princeton, N. J. Method and apparatus for constructing multiple scale representations of objects. 1,980,981; Nov. 20.
Copley, Josiah, Corona, Calif. Tree puller. 1,981,308; Nov. 20.
Corning Glass Works. (See Littleton, Jesse T., assignor.)
Corrier, Louis J., and J. F. Greiner, Erie, Pa., assignors to American Meter Company, New York, N. Y. Gas meter. 1,981,832; Nov. 20.
Corrier, Louis J., and J. F. Greiner, Erie, Pa., assignors to American Meter Company, New York, N. Y. Gas meter. 1,981,833; Nov. 20.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Motor vehicle transmission gearing. 1,981,823; Nov. 20.
Crabtree, George W., Cleveland Heights, Ohio. Cover for leaf springs. 1,981,448; Nov. 20.
Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Preserving fruits, vegetables, etc. 1,981,583; Nov. 20.
Crane, Myrick, assignor to The Seamless Rubber Company, Incorporated, New Haven, Conn. Valve for football bladders and the like. 1,981,720; Nov. 20.
Crawford, Jesse L., Springfield, Ohio. Attaching furring strips to cement building blocks. 1,980,982; Nov. 20.
Creek, John O., and W. Wood, Hamilton, Ontario, Canada. Form shaping device for woodworking machines. 1,981,584; Nov. 20.
Cress, Horatio G., Troy, Ohio. Holder for lesson scrolls. 1,981,585; Nov. 20.
Crittenden, Butler P., Watertown, and A. C. Killinger, Everett, assignors to Beacon Oil Company, Boston, Mass. Device for measuring temperatures of hot fluids. 1,981,721; Nov. 20.
Croft, Hiram D., Springfield, assignor to Perkins Machine & Gear Company, West Springfield, Mass. Machine tool. 1,981,263; Nov. 20.
Crossland, Ernest M. (See Crossland, John A. and E. M.)
Crossland, John A. and E. M., Strangeways, Manchester, England. Electric iron and switch therefor. 1,981,309; Nov. 20.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Combined control valve and pressure gauge. 1,981,586; Nov. 20.
Cummins Perforator Company. (See Ryan, Joseph F., assignor.)
Cunningham, Thomas. (See Masters, H. I., and Cunningham.)
Currie, Frank S., San Bernardino, Calif. Skimming apparatus. 1,981,310; Nov. 20.
Currie, Robert, Eastport, Maine, assignor to American Can Company, New York, N. Y. Sheet feeding apparatus. 1,980,983; Nov. 20.
Curtis, Asaph B., Sarona, Wis. Raspberry variety. Pl. Pt. 113; Nov. 20.
Cutler-Hammer, Inc. (See Girard, Eugene A., assignor.)
Cutler-Hammer, Inc. (See Harwood, Paisley B., assignor.)
Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
Czarnecki, Casimer, et al. (See Czarnecki, Walter V., jr., assignor.)
Czarnecki, Mary, et al. (See Czarnecki, Walter V., jr., assignor.)
Czarnecki, Stanley, et al. (See Czarnecki, Walter V., jr., assignor.)
Czarnecki, Walter, sr., et al. (See Czarnecki, Walter V., jr., assignor.)
Czarnecki, Walter V., jr., assignor to W. Czarnecki, sr., M. Czarnecki, N. Wojowski, W. Czarnecki, S. Czarnecki, W. V. Czarnecki, jr., and C. Czarnecki, a copartnership of Eddington, Pa., doing business as Eddington Metal Specialty Co. Spray tip for an oil burner or the like. Des. 93,865; Nov. 20.
Czarnecki, Wesley, et al. (See Czarnecki, Walter V., jr., assignor.)
D'Adrian, Alexander L. D., Alton, Ill., assignor to Ingram & Duval, Inc., Baltimore, Md. Production of barium sulphate. 1,981,094; Nov. 20.
Dahlen, Miles A., Wilmington, Del., and W. L. Foohey, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of organic nitro compounds. 1,981,311; Nov. 20.
Daimler-Benz Aktiengesellschaft. (See Fritzsche, Paul, assignor.)
Daniels, Lloyd C. (See Jaeger, A. O., and Daniels.)
Dardelet Threadlock Corporation. (See Thomson, Alfred M., assignor.)
Darling & Company. (See Lowry, Thomas K., assignor.)
D'Aubigne, Emile M., Neuilly sur Seine, France, assignor to Continental-Diamond Fibre Company, Newark, Del. Composite gear and making the same. 1,981,782; Nov. 20.
Davis, Augustine, jr. (See Haupt, Walter H., assignor.)
Davis, Augustine, jr. (See Shield, Paul S., assignor.)
Davis, David R., Los Angeles, Calif. Emulsifier. 1,981,031; Nov. 20.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,980,984; Nov. 20.
Dawe, Albert J. (See Wilms, G. O., and Dawe.)
Deakin, Gerald, L. J. J. Schreiber, S. Van Mierlo, F. de Fremery, C. A. J. Pulles, and C. A. Willemse, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Program distributing system. 1,981,689; Nov. 20.
De Bussey, Richard R., Parkersburg, W. Va. Dispensing and distributing apparatus for packaged and the like goods. 1,981,783; Nov. 20.
De Florez, Luis, Pomfret, Conn. Fractionating tower. 1,981,846; Nov. 20.
De Fremery, Frank, et al. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse.)
Deltox Rug Company. (See Schmiedel, William F., assignor.)
Deming, Robert, Cincinnati, Ohio. Well pump. 1,980,985; Nov. 20.
Deming, Robert, Cincinnati, Ohio. Pumping apparatus. 1,980,986; Nov. 20.
De Napoli, Anthony C., jr., East Orange, N. J., and J. O. Kleber, Yonkers, assignors to Electrical Research Products, Inc., New York, N. Y. Fixture. 1,981,690; Nov. 20.
Depew, Charles. (See Roncl, V. L., and Depew.)
Detroit Lubricator Company. (See Eggleston, L. W., and Dillman, assignors.)
Detroit Lubricator Company. (See Weber, Walter H., assignor.)
De Vileg, Charles B., Jackson, Mich., assignor to Associated Patents, Inc., Cincinnati, Ohio. Automatic positioning mechanism. 1,981,224; Nov. 20.
De Witt, Clyde. (See Wolfe, Ernest H., assignor.)
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Display form or similar article. Des. 93,866; Nov. 20.
Dichter, Jakob, Schoneberg, Berlin, Germany. Feeding means for glass tube manipulating machines. 1,981,692; Nov. 20.
Dick, Harold G. (See Carter, R. S., and Dick.)
Dickerson, Norvin K., Pickens, S. C. Granular material spreader. 1,981,095; Nov. 20.
Dickerson, Walker T., Company, The. (See Gordon, Hiram, assignor.)
Dickey, Edward T., New York, N. Y., assignor to Radio Corporation of America. Radiocabinet. 1,981,347; Nov. 20.
Dienner, John A. (See Bucklen, Herbert E., assignor.)
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dillman, Earnest J. (See Eggleston, L. W., and Dillman.)
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Aperture plate for motion picture projection machines. 1,981,033; Nov. 20.
Ditchfield, Frank. (See McWilliams, J. P., and Ditchfield.)
Ditmar, Rudolf, Graz, Steiermark, Austria, assignor by mesne assignments, to H. H. Koppel, Aachen, Germany, Manufacture and production of porous rubber. 1,981,722; Nov. 20.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,981,348; Nov. 20.
Dodge, Harry H., Troy, assignor by mesne assignments, to Hoguet & Neary, New York, N. Y. Gas burner. 1,981,349; Nov. 20.
Dodge, Milo C., Auburn, N. Y. Composite cordage or twine. 1,981,312; Nov. 20.
Dodge, Sherwood O., Medford, and R. C. Newton, Needham Heights, assignors to H. F. Livermore Co., Allston, Mass. Knife for thread-cutting templets. 1,981,723; Nov. 20.
Dodge, Waldo E., Longview, Wash. Beater washer. 1,981,542; Nov. 20.
Dodington, Samuel P., Cardiff, Wales. Stiffening device for maintaining the creases in trousers. 1,981,784; Nov. 20.
Donadei, Joseph, Los Gatos, Calif. Trap. 1,981,785; Nov. 20.
Donovan, John F. (See Frech, T. W., Fagan, Donovan, and Isaac.)
Donovan, Thomas J., jr., assignor to J. S. Ivins' Sons, Inc., Philadelphia, Pa. Adjustable display structure. 1,981,724; Nov. 20.
Door Control Company. (See Blodgett, Herbert C., assignor.)
Dorsey, Herbert G., Washington, D. C. Method of and apparatus for vision testing. 1,981,587; Nov. 20.
Dortmund-Hoerder Hüttenverein Aktiengesellschaft. (See Winckler, Gustav, assignor.)
Dover, George W., Cranston, assignor to Dovercraft Company, Inc., Providence, R. I. Curtain support. 1,981,543; Nov. 20.
Dovercraft Company, Inc. (See Dover, George W., assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Mills, assignors.)
Dow Chemical Company, The. (See Stoesser, W. C., and Marschner, assignors.)
Dow Chemical Company, The. (See Williams, William H., assignor.)
Dowe, Otto, Chicago, Ill. Automobile jack. 1,981,165; Nov. 20.
Dry Zero Corporation. (See Lindsay, Harvey B., assignor.)
Dubus, Peter A., New Orleans, La. Bearing for coffee roasters. 1,981,096; Nov. 20.
Duby, John F., Dorchester, Mass. Vehicle wheel slide thrust indicator. 1,981,613; Nov. 20.
Duecker, Wearner W. (See Hamor, W. A., and Duecker.)
Dunham, Henry V., Bainbridge, N. Y. Transparent film or layer. 1,981,588; Nov. 20.

Dunmore, Francis W., Washington, D. C., assignor to The Government of the United States, represented by the Secretary of Commerce. Pointer type course indicator. 1,981,589; Nov. 20.
Du Pont, E. I., de Nemours & Company. (See Carpenter, Gilbert B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Clarkson, Richard G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Foohey, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ellsworth, Deane C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Linster, J. T., Pray, and Lubs, assignors.)
Du Pont, E. I., de Nemours & Company. (See Richardson, R. W., and Schneider, assignors.)
Du Pont, E. I., de Nemours & Company. (See Svanoe, Hans, assignor.)
Durable Mat Company. (See Lyons, Charles T., assignor.)
Durable Toy and Novelty Corporation. (See Stiriss, Jacob D., assignor.)
Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Dust remover for scrap bunch cigar machines. 1,981,497; Nov. 20.
Duttweiler, John J., Findlay, Ohio. Building construction. 1,981,166; Nov. 20.
Dykstra, George. (See Hueber, H., and Dykstra.)
Eakins, Joseph R. (See Parker, H. W., and Eakins.)
Ensterling, Irvine A., Augusta, Ga. Paper serving apparatus. 1,981,590; Nov. 20.
Eastern Cutter Salvage Corporation. (See Aker, Floyd J., assignor.)
Eastman Kodak Company. (See Hughey, Carter J., assignor.)
Eastman Kodak Company. (See McNally, James G., assignor.)
Eastman Kodak Company. (See Muehler, Lowell E., assignor.)
Eastman Kodak Company. (See Russell, Harold D., assignor.)
Eastman Kodak Company. (See Slack, Alfred D., assignor.)
Eastman Kodak Company. (See Staud, C. J., and Waring, assignors.)
Eastman Kodak Company. (See Taylor, E. R., and Smith, assignors.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eastman Kodak Company. (See Young, D'Arcy A., assignor.)
Easy Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
Easy Washing Machine Corporation. (See Geldhof, P. E., and Papworth, assignors.)
Eclipse Aviation Corporation. (See Finnegan, Martin J., assignor.)
Eclipse Aviation Corporation. (See McNiel, Charles I., assignor.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company. (See Wertz, Daniel L., assignor.)
Eddington Metal Specialty Co. (See Czarnecki, Walter V., jr., assignor.)
Edmondson, Morton H., Greenville, Tex. Control mechanism. 1,981,591; Nov. 20.
Edwards, Maurice F., Bolton, England. Tipping gear construction. 1,981,725; Nov. 20.
Elfeolite Corporation. (See Von Nessen, Walter, assignor.)
Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Thermostatically operated valve. 1,981,313; Nov. 20.
Eldson, Eulie B. (See Siems, Henry J., assignor.)
Electrical Research Products, Inc. (See De Napoli, A. C., jr., and Kleber, assignors.)
Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,981,264; Nov. 20.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Xylenitic resin and making same. 1,980,987; Nov. 20.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Wall construction. 1,981,314; Nov. 20.
Ellsworth, Deane C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvents for etherification of cellulose. 1,980,988; Nov. 20.
Elrod, Henry E., Houston, Tex. Refrigerating unit. 1,981,097; Nov. 20.
Enderlin, Joseph, East Northport, N. Y. Rotary motor. 1,981,615; Nov. 20.
Engbrecht, George C., and A. J. Olsen, Chicago, Ill., and A. M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation. Pressing and ironing machine. 1,981,410; Nov. 20.
Engel, Kurt, Gollenweg, Koslin/Pommern, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Oscillograph. 1,981,350; Nov. 20.
Engelhardt, Victor, and N. Schönfeldt, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrolytic cell. 1,981,498; Nov. 20.
Erdmann, Konrad, Radenthein, Austria. Impregnating fibrous materials for building elements. 1,981,592; Nov. 20.
Etten, Nicholas L., assignor, by mesne assignments, to Chamberlain Corporation, Waterloo, Iowa. Buck for ironing machines. 1,981,616; Nov. 20.
Etzkorn, Rudolf, Oberbruch Regierungsbezirk, Aachen, Germany, assignor to North American Rayon Corporation, New York, N. Y. Stretching filaments. 1,981,351; Nov. 20.
Evans, Edwin R., Chicago, Ill. Brake linkage. 1,981,617; Nov. 20.
Evans, Frank W., Omaha, Nebr. Child's chair. Des. 93,867; Nov. 20.
Everson, Franklin E., Scarsdale, N. Y. Window display device. 1,980,977; Nov. 20.
Excel Auto Radiator Company. (See Lake, Donald W., assignor.)
Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)
Fagan, John T. (See Frech, T. W., Fagan, Donovan, and Isaac.)
Fageol, Rollie B., Los Angeles, Calif. Multiwheel road vehicle. 1,981,593; Nov. 20.
Fageol, Rollie B., Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Multi-wheel road vehicle. 1,981,449; Nov. 20.
Fahrney, Emery H., Chicago, Ill. Lawn mower attachment. 1,981,098; Nov. 20.
Faverty, Clyde B., Chicago, Ill., assignor, by mesne assignments, to Ryan Car Company. Railway draft vehicle. 1,981,618; Nov. 20.
Feldon, Otto A., Bala-Cynwyd, Pa. Antiseptic toothbrush container. 1,981,383; Nov. 20.
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Rolis, Adolf, assignor.)
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Zapf, Georg, assignor.)
Fender, Joseph N., Dallas, Tex. Flexible elbow for pneumatic conveyers. 1,981,099; Nov. 20.
Fenna, James M., Plainfield, N. J. Signal lamp for automobiles. 1,981,450; Nov. 20.
Fenton, George F. (See Miller, J. M., and Fenton.)
Fertig, Saul B., New York, N. Y. Towel. Des. 93,868; Nov. 20.
Fiberloid Corporation, The. (See Parkhurst, Frederic A., assignor.)
Finnegan, Martin J., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 1,981,786; Nov. 20.
Firestone, Floyd A., E. J. Abbott, and H. B. Vincent, Ann Arbor, Mich. Gear testing apparatus. 1,981,093; Nov. 20.
Firth Carpet Company. (See Sutcliffe, Raymond, assignor.)
Firth-Sterling Steel Company. (See Comstock, Gregory J., assignor.)
Fitts, Charles F., et al. (See Hilgerink, Frank M., assignor.)
Fleckenstein, George A., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread cases for sewing machine loop-takers. 1,981,834; Nov. 20.
Flexon, Floyd. (See Lufkin, G., and Flexon.)
Florman, Irving, New York, N. Y. Shaving machine. 1,981,787; Nov. 20.
Flynn, Kirtland. (See Walsh, J. F., and Flynn.)
Food Machinery Corporation. (See Roberts, Frank B., assignor.)
Foohey, William L. (See Dahlen, M. A., and Foohey.)
Forry, Karl R., Newark, assignor to The Manufacturers Equipment Company, Dayton, Ohio. Clay working machine. 1,981,265; Nov. 20.
Fortman, Herman, assignor to Krischer's Manufacturing Co., Inc., Brooklyn, N. Y. Buckle. Des. 93,869; Nov. 20.
Foster-Vernay Corporation. (See Vernet, Sergius, assignor.)
Foster Wheeler Corporation. (See Keenan, W. F., jr., and Hardie, assignors.)
Fougner, Nicolay K., New York, N. Y. Cigarette rolling device. 1,980,989; Nov. 20.
Francis, Harry G., Rushville, Ind. Clamp. 1,981,499; Nov. 20.
Frank, Paul A. (See Shook, Florain J., assignor.)
Franklin, Charles S. (See Marconi, G., and Franklin.)
Frayer, Lee A., assignor to R. H. Smith, Kent, Ohio. Making nuts. 1,981,594; Nov. 20.
Frech, Theodore W., Shaker Heights, J. T. Fagan, Cleveland Heights, J. F. Donovan, East Cleveland, and E. B. Isaacs, Cleveland Heights, Ohio, assignors to General Electric Company. Flash light device. 1,981,544; Nov. 20.
Frederick Iron & Steel Company, The. (See Riddell, William A., assignor.)
Freeman, Charles F., University City, assignor to C. Tweedie, Jefferson City, Mo. Machine for attaching soles to shoes. 1,981,694; Nov. 20.
Frei, Elizabeth, Zurich, Switzerland. Foot support. 1,981,100; Nov. 20.
Frelin, Fritjof, Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 1,981,500; Nov. 20.
French, Stanley F. (See McClov, A. S., and French.)
Freshel, Curtis P., New York, N. Y. Treatment of yeast and the product produced thereby. 1,981,225; Nov. 20.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Spaceband for justifying matrix lines. 1,981,835; Nov. 20.
Fried Krupp Grusonwerk Aktiengesellschaft. (See Fritz, Arnold, assignor.)

Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,981,226; Nov. 20.

Friedolsheim, Adolf V., Ludwigshafen-on-the-Rhine, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Oxidation of hydrocarbons and waxes. 1,981,384; Nov. 20.

Friend, Halton H. (See Maurer, J. A., jr., and Friend.)

Frigidaire Corporation. (See Loranger, Hubert R., assignor.)

Fritz, Arnold, Madgeburg, assignor to Fried Krupp Grusonwerk Aktiengesellschaft, Madgeburg-Buckau, Germany. Annealing and pickling plant. 1,981,411; Nov. 20.

Fritzsche, Paul, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart, Oberturkheim, Germany. Internal combustion engine. 1,981,412; Nov. 20.

Frost, Earl R., assignor to The National Machinery Company, Tiffin, Ohio. Driving mechanism. 1,981,167; Nov. 20.

Fruth, Hal F., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrolytic condenser. 1,981,352; Nov. 20.

Fuchs, William L., St. Louis, Mo. Display device. 1,981,227; Nov. 20.

Fuggiti, Albert. (See Schlag, F., and Fuggiti.)

Fulton, Stephen M., and W. B. McVeigh, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp beam. 1,981,142; Nov. 20.

Fulton, Stewart C., Elizabeth, N. J., assignor to Standard Oil Development Company. Producing resins of petroleum origin. 1,981,824; Nov. 20.

Gabrielson, Carl, assignor to L C Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,981,034; Nov. 20.

Ganaway, Bill, Waxahachie, Tex. Buster lead attachment for tractors. 1,981,228; Nov. 20.

Ganforcoro, George, et al. (See Ramos, Manuel, assignor.)

Ganger, Inc. (See Opferman, Joseph S., assignor.)

Gans, John Grymes Hill, Staten Island, assignor to Columbia Appliance Corporation, New York, N. Y. Dry cleaning apparatus, and utilizing filter aid in connection therewith. 1,981,645; Nov. 20.

Gardner, David L., Dubois, Idaho. Bituminous ditch liner. 1,981,788; Nov. 20.

Gaseles, Manuel G., et al. (See Ramos, Manuel, assignor.)

Gasoline Products Company, Inc. (See Keith, Percy C., jr., assignor.)

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Loop regulating mechanism for full fashioned knitting machines. 1,981,035; Nov. 20.

Geddes, Norman B., and W. Paxton, New York, and W. H. Stangle, Brooklyn, N. Y.; said Paxton and said Stangle assignors to said Geddes. Automotive vehicle. Des. 93,863; Nov. 20.

Gee, William E., Memphis, Tenn. Pump. 1,981,619; Nov. 20.

Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Combined clothes washer and drier. 1,981,501; Nov. 20.

Geldhof, Peter E., and W. A. Papworth, assignors to Easy Washing Machine Corporation, Syracuse, N. Y. Extractor. 1,981,502; Nov. 20.

General Aniline Works, Inc. (See Bergdolt, A., and Schmelzer, assignors.)

General Aniline Works, Inc. (See Kalischer, G., Nüsslein, and Müller, assignors.)

General Aniline Works, Inc. (See Mueller, Joachim, assignor.)

General Aniline Works, Inc. (See Weinand, Klaus, assignor.)

General Cable Corporation. (See Mueller, Paul M., assignor.)

General Electric Company. (See Allibone, Thomas E., assignor.)

General Electric Company. (See Frech, T. W., Fagan, Donovan, and Isaac, assignors.)

General Electric Company. (See Haven, Edward G., assignor.)

General Electric Company. (See Nolte, Henry J., assignor.)

General Electric Company. (See Nolte, H. J., and McArthur, assignors.)

General Electric Company. (See Starle, George B., assignor.)

General Mills, Inc. (See James, Thomas R., assignor.)

General Motors Corporation. (See Arthur, James L., assignor.)

General Motors Corporation. (See Hartzell, Herman L., assignor.)

General Motors Corporation. (See Miller, Julius C., assignor.)

General Motors Corporation. (See Norviel, Harry E., assignor.)

General Talking Pictures Corporation. (See Tappan, Chester, assignor.)

General Tire & Rubber Company, The. (See Maranville, Harvey F., assignor.)

Gentner, Frederick, assignor to North American Lace Company, Inc., Philadelphia, Pa. Lace. Des. 93,870; Nov. 20.

Gentzler, Mervin, York assignor to The McKay Company, Pittsburgh, Pa. Tire chain. 1,981,726; Nov. 20.

Gérard, Léon, Sevres, assignor to P. Viet, Billancourt, France. Starting device for internal combustion engines. 1,981,789; Nov. 20.

Gerke, Roscoe H., Nutley, N. J., assignor to Morgan & Wright, Detroit, Mich. Treatment of rubber. 1,981,108; Nov. 20.

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety lock for electric switches. 1,981,353; Nov. 20.

Giard, Eugene A., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrode for electron discharge devices. 1,981,620; Nov. 20.

Gibson, George H., Upper Montclair, and F. M. Patterson, Pitman, N. J., assignors to Cochrane Corporation, Philadelphia, Pa. Steam trap. 1,981,169; Nov. 20.

Gilleland, Grover W., Parsons, Kans. Form apparatus for producing concrete slabs. 1,981,036; Nov. 20.

Gillet, Alexis F., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Electrically operated strip server. 1,981,229; Nov. 20.

Glab, William N., assignor to Morrison Bros., Dubuque, Iowa. Valve. 1,981,230; Nov. 20.

Gleason, Frederick H., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricating apparatus. 1,981,802; Nov. 20.

Glick, Max., et al. (See Hampton, Fred, assignor.)

Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machines. 1,981,037; Nov. 20.

Goeckeler, Gustav C., jr., Columbia, Ill. Apparatus for banding sliced bread. 1,981,503; Nov. 20.

Goerg, Walter, Woodcliff, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Liquid gauge. 1,981,354; Nov. 20.

Gomory, William L., Paris, France, assignor to Standard Oil Development Company. Art of and apparatus for converting hydrocarbons. 1,981,727; Nov. 20.

Goodfellow, Sampson J., Regina, Saskatchewan, Canada. Grain spout. 1,981,413; Nov. 20.

Goodman, Jacob A., Indianapolis, Ind. Run stop construction for stockings. 1,981,315; Nov. 20.

Goodwin, George I., Detroit, Mich. Adjustable clutch mechanism. 1,981,504; Nov. 20.

Goodwin, George I., Detroit, Mich. Clutch. 1,981,505; Nov. 20.

Goodyear's India Rubber Glove Mfg. Company, The. (See Randall, Chester J., assignor.)

Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Insole for shoes and forming same. 1,981,101; Nov. 20.

Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Gluer. 1,981,038; Nov. 20.

Granberg Meter Corporation. (See Brubaker, Walter S., assignor.)

Grant, Edwin J., Los Angeles, Calif. Registering stop device. 1,981,231; Nov. 20.

Grasso, Santi, and Antonio Bonglovanni, assignors of one-fourth to P. H. Lemen and one-fourth to J. B. Keenan, Philadelphia, Pa. Hair net. 1,981,790; Nov. 20.

Greaves, William B., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Selvage motion for looms. 1,981,039; Nov. 20.

Green, Charles J., Oxford, Pa. Protective equipment for banks. 1,981,791; Nov. 20.

Green, James B., and J. M. Rathmell, assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill. Elevating grader. 1,981,170; Nov. 20.

Green, William G., Tulsa, Okla. Vibrating galvanometer. 1,981,266; Nov. 20.

Greenwald, Paul, and L. E. Wolff, assignors of one-fourth to S. Greenwald, Brooklyn, N. Y. Coffee making apparatus and method. 1,981,171; Nov. 20.

Greenwald, Samuel. (See Greenwald, P., and Wolff, assignors.)

Greiner, Joseph F. (See Corrier, L. J., and Greiner.)

Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island, N. Y. Cardboard box. 1,981,836; Nov. 20.

Griffin, Richard B., Washington, D. C. Drinking glass. Des. 93,871; Nov. 20.

Grodsky, Vladimir A. (See Kuhn, G., and Grodsky.)

Gronbech, Hans P., Pacific Beach, Calif. Composite window sash and screen. 1,980,990; Nov. 20.

Gronbech, Hans P., Pacific Beach, Calif. Awning construction. 1,980,991; Nov. 20.

Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)

Gulliken, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,981,040; Nov. 20.

Gundlach, Severin N., assignor to Specialty Tool Manufacturers, Inc., Belleville, Ill. Shingle cutter. 1,981,695; Nov. 20.

Gurwick, Irving, New York, N. Y., assignor, by mesne assignments, to Shellmar Products Company, Chicago, Ill. Collector for sheets of paper. 1,981,621; Nov. 20.

Haedike, Edward J. (See Levey, C. J., and Haedike.)

Hagedorn, Max, and Gerhard von Kujawa, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic material and making the same. 1,981,102; Nov. 20.

Hagquist, Gustaf E. (See Rundell, R. E., and Hagquist.)

Hailwood, Anthony J. (See Todd, W., and Hailwood.)

Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Glass drawing tank. 1,980,992; Nov. 20.

Hamilton, Charles E., sr., Hollywood, Calif., assignor to E. Lane, P. Mendelson, and C. Mendelson, New York, N. Y. Stripper finger for flatwork irons. Re19,376; Nov. 20.

Hamilton, George H., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Seat end standard. 1,981,316; Nov. 20.

Hamley, Herbert R., London, England, assignor to Lafayette Instruments Inc., New York, N. Y. Teaching mathematics and exhibiting mathematical problems. 1,981,646; Nov. 20.

Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,981,355; Nov. 20.

Hammerling, Emanuel, assignor to The Powder Puff Pouch Co., New York, N. Y. Powder puff pouch. 1,981,545; Nov. 20.

Hamor, William A., and W. W. Duecker, Pittsburgh, Pa., assignors to Texas Gulf Sulphur Company, Bay City, Tex. Plastics. 1,981,232; Nov. 20.

Hamptoh, Fred, Brooklyn, assignor of one-third to C. A. Light and one-third to M. Glick, New York, N. Y. Convertible settee and bed. 1,981,143; Nov. 20.

Hancock & Company (Engineers) Limited. (See Oakley, Edward C. F., assignor.)

Hannifin Manufacturing Co. (See Peterson, Victor W., assignor.)

Hansen, Mahlin S., assignor to P. C. Reilly, Indianapolis, Ind. Froth production and froth-producing reagent. 1,981,506; Nov. 20.

Hanson, Charles A., Munising, Mich. Mold for net leads. 1,981,103; Nov. 20.

Hardnere, Richard W. (See Briggs, H. B., and Hardnere.)

Hardie, William H. (See Keenan, W. F., jr., and Hardie.)

Hardy, Vinton M., Northampton Township, Summit County, Ohio. Sanding machine. 1,981,385; Nov. 20.

Harper, Frank C., Carnegie, Pa. Ornamental decoration. 1,981,696; Nov. 20.

Harper's Bazaar, Inc. (See Kip, Carola de P., jr., assignor.)

Harris, Charles M., Holland, Mich. Fifth wheel for trailers. 1,981,233; Nov. 20.

Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Grease discharge device. 1,981,508; Nov. 20.

Harris, Cleo, and C. G. Butler, assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Portable grease pump. 1,981,507; Nov. 20.

Harris, Esther, Brooklyn, N. Y. Caster. 1,981,728; Nov. 20.

Harris, Gordon D., Old Greenwich, Conn. Apparatus for conditioning air. 1,981,595; Nov. 20.

Harris, Grove W., et al. (See Beckler, Oakley K., assignor.)

Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring thermal conductivity. 1,981,172; Nov. 20.

Hart Glass Manufacturing Company. (See McDonald, Harry R., assignor.)

Hart, Harry S., et al. (See Hilgerink, Frank M., assignor.)

Harter, Fred L. (See Snyder, Robert E., assignor.)

Hartley, Albert, Bristol, R. I., assignor to Collins & Aikman Corporation, New York, N. Y. Slub yarn producing attachment for spinning frames. 1,981,546; Nov. 20.

Hartman, Carl W., Lyngby, near Copenhagen, Denmark. Automatic measuring and weighing device 1,981,697; Nov. 20.

Hartzell, Herman L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,981,041; Nov. 20.

Hartzell, Herman L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Circuit breaker. 1,981,042; Nov. 20.

Harvey, Edward W., Highland Park, N. J., assignor to The Barrett Company, New York, N. Y. Process and apparatus for dispensing measured charges of liquefied gas. 1,981,729; Nov. 20.

Harwood, Paisley B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control system. 1,981,547; Nov. 20.

Hat Corporation of America. (See Martz, George W., assignor.)

Hatch, Theodore F., Cambridge, Mass., assignor, by mesne assignments, to Kadco Corporation, New York, N. Y. Dust removal device. 1,981,356; Nov. 20.

Haupt, Walter H., Ludlow, Ky., assignor to Augustine Davis, jr., Cincinnati, Ohio. Nozzle control of dispensers. 1,981,357; Nov. 20.

Hauserman, E. F., Company, The. (See Balch, Thomas V., assignor.)

Hauserman E. F., Company, The. (See Balch, T. V., and Bohnsack, assignors.)

Haven, Edward G., Scotia, assignor to General Electric Company. Combined electrical indicating instrument and selector switch. 1,981,548; Nov. 20.

Hawkins, Edmund F., Evansville, Ind. Water cooler. 1,981,730; Nov. 20.

Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Separator. 1,981,549; Nov. 20.

Haxton, Andrew, Tappan, N. Y. Machine thread miller. 1,981,550; Nov. 20.

Hayes, Harvey C., Washington, D. C. Vibration detector. 1,980,993; Nov. 20.

Hede, Arvid, assignor to Cinder Chrome Company, Detroit, Mich. Composition of matter for making a building unit. 1,981,043; Nov. 20.

Hedenburg, Oscar F., Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio. Manufacturing arsenate of zinc and the product. 1,981,044; Nov. 20.

Hedstrom, Olof H., jr., Hartford City, Ind. Method of and apparatus for producing multi-shade mottled paper. 1,981,803; Nov. 20.

Heffelfinger, Glen B., assignor to The Marion Steam Shovel Company, Marion, Ohio. Protector for dipper doors. 1,981,267; Nov. 20.

Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,981,144; Nov. 20.

Heiner, Stephen J., Scranton, Pa. Jar opener and closer. 1,981,104; Nov. 20.

Heiser, Albert C., Omaha, Nebr. Clothes drying rack. 1,981,268; Nov. 20.

Heit, Philip, New York, N. Y. Dress. Des. 93,872; Nov. 20.

Heltman, Charles H. (See Kuhn, A., and Heltman.)

Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-stripper foot for sewing machines. 1,981,837; Nov. 20.

Henning, Frederick C., Chicago, Ill. Artificial hand. 1,981,698; Nov. 20.

Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Metal screw cap. 1,981,414; Nov. 20.

Hermann, John F., Havana, Ill. High pressure injection fuel pump. 1,981,551; Nov. 20.

Hernandez, Joseph B., New York, N. Y. Sink stopper. 1,981,358; Nov. 20.

Herrington, Arthur W., Washington, D. C. Driving mechanism for steering wheels of motor vehicles. 1,981,173; Nov. 20.

Herrington, Frederick D., Caddo, Tex. Potato slicer. 1,981,451; Nov. 20.

Hetzer, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for cleaning fabric. 1,981,234; Nov. 20.

Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)

Hieber, Karl V., Graz, Austria. Elastic knife-edge bearing for measuring appliances. 1,981,105; Nov. 20.

Hilgerink, Frank M., assignor to C. F. Fitts and H. S. Hart, Chicago, Ill. Locomotive cleaning apparatus. 1,981,622; Nov. 20.

Hill, Harry, Kent, assignor to Callender's Cable and Construction Company Limited, London, England. Method and apparatus for the extrusion of lead and other metals. 1,981,045; Nov. 20.

Hill, Harry, Kent, assignor to Callender's Cable and Construction Company Limited, London, England. Container for molten metals. 1,981,699; Nov. 20.

Hille, Frederick, Los Angeles, Calif. Tool grinder. 1,981,174; Nov. 20.

Hladik, Ladislav. (See Langner, R., and Hladik.)

Hoe, R., & Co., Inc. (See Huck, William F., assignor.)

Hoff, Gust C. (See La Hodny, W., and Hoff.)

Hoffman, Raoul J., assignor of one-half to J. L. Younghusband, Chicago, Ill. Aircraft. 1,981,700; Nov. 20.

Hoffman, Raoul J., assignor of one-half to J. L. Younghusband, Chicago, Ill. Flying wing. 1,981,701; Nov. 20.

Hofstetter, Clarence F., Missoula, Mont. Sear mechanism for guns. 1,980,994; Nov. 20.

Hogue, John W., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth measuring drum. 1,981,509; Nov. 20.

Hoguet & Neary. (See Dodge, Harry H., assignor.)

Holland, John W., assignor to Holland-Kenyon Machine Company, Fitchburg, Mass. Valve seat grinder. 1,981,269; Nov. 20.

Holland-Kenyon Machine Company. (See Holland, John W., assignor.)

Hollingsworth, Carl W., Marshalltown, Iowa. Wipeless oil gauge. 1,981,270; Nov. 20.

Holloway, William M., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Container. 1,980,995; Nov. 20.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,981,106; Nov. 20.

Holy, Mitchell E., Posen assignor to Container Corporation of America, Chicago, Ill. Lighting unit box. 1,981,731; Nov. 20.

Hondeville, August I., Merced, assignor, by direct and mesne assignments, to Serv-A-Towel Manufacturing Company, San Francisco, Calif. Towel servidor. 1,981,386; Nov. 20.

Horn, Charles, assignor to Sylvester Adrian, Fond du Lac, Wis. Automatic phonograph mechanism. 1,981,175; Nov. 20.

Horton, Erwin C. (See Hueber, H., and Horton.)

Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Fuel feeding system for internal combustion engines. 1,981,838; Nov. 20.

Howard, Guy C., Wausau, Wis. Lignin derivatives and making same. 1,981,176; Nov. 20.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Graining machine. 1,981,046; Nov. 20.

Hueber, Henry. (See Horton, E. C., and Hueber.)

Hueber, Henry, and G. Dykstra, assignors to Trico Products Corporation, Buffalo, N. Y. Fluid motor. 1,981,840; Nov. 20.

Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner operated from the motor vehicle lubricating system. 1,981,839; Nov. 20.

Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Fuel system for motor vehicle engines. 1,981,841; Nov. 20.

Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Auxiliary feeding hopper for a document handling machine. 1,981,452; Nov. 20.

Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Dual purpose gaseous discharge tube. 1,981,359; Nov. 20.

Hunt, William H., National City, Calif. Fish final-positioning means. 1,981,552; Nov. 20.

Husler, John. (See Sherman, F. S., and Husler.)

Hussmann-Ligonier Company. (See Banta, Len A., assignor.)

Hutto Engineering Company, Inc. (See Wagner, Paul E., assignor.)

Hyde, William A., assignor to L. J. Barrett, Worcester, Mass. Impregnation of articles by centrifugal means. 1,981,453; Nov. 20.

Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)

Hyman, Henry. (See Zwierzynski, Alex, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Friedolsheim, A., and Luther, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Klamroth, A., and Ahrens, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schellmann, Max, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schulze, Rudolf, assignor.)

Illinois Watch Case Company. (See Ireland, Ellison S., assignor.)

Imperial Chemical Industries Limited. (See Briggs, H. B., and Hardacre, assignors.)

Imperial Chemical Industries Limited. (See Todd, W., and Hallwood, assignors.)

Indera Mills Company. (See Martin, Charles L., assignor.)

India Rubber, Gutta Percha and Telegraph Works Company, Limited, The. (See Mathews, F. C., Brown, and Pengelly, assignors.)

Ingersoll-Rand Company. (See Frelin, Fritjof, assignor.)

Ingersoll-Rand Company. (See Smith, William A., sr., assignor.)

Ingram & Duval, Inc. (See D'Adrian, Alexander L. D., assignor.)

Insley Manufacturing Company. (See Ray, F. B., and Schmid, assignors.)

Insulite Company, The. (See Ellis, George H., assignor.)

International Banding Machine Company. (See Malocsay, Francis X., assignor.)

International Cigar Machinery Company. (See Durning, James P., assignor.)

International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)

International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)

International Cigar Machinery Company. (See Rundell, R. E., and Hagquist, assignors.)

International Cigar Machinery Company. (See Schussler, Walter H., assignor.)

International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)

International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)

International Nickel Company, The. (See Atkinson, Ralph H., assignor.)

International Paper Box Machine Company, The. (See Goss, Harold J., assignor.)

International Precipitation Company. (See Knight, Alfred W., assignor.)

International Projector Corporation. (See Dina, Augusto, assignor.)

International Spotlight Corporation. (See Sklarek, Clifford, assignor.)

Intertype Corporation. (See Freund, Herman R., assignor.)

Invex Corporation. (See Craig, Palmer H., assignor.)

Ireland, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase. 1,981,047; Nov. 20.

Irving Trust Company, receiver. (See Huck, William F.)

Isaac, Elmer B. (See Frech, T. W., Fagan, Donovan, and Isaac.)

Isbell, Horace S., Washington, D. C., assignor to the Government of the United States represented by the Secretary of Commerce. Preparation of calcium lactobionate. 1,980,996; Nov. 20.

Ivins', J. S., Son, Inc. (See Donovan, Thomas J., jr., assignor.)

Jackson, John H., Needham, Mass. Necktie hanger. 1,981,553; Nov. 20.

Jackson, Sidney W., assignor to The Permold Company, Cleveland, Ohio. Clamping mechanism for permanent molds. 1,981,596; Nov. 20.

Jackson, Thomas H., Scranton, Pa. Feathering propeller. 1,981,597; Nov. 20.

Jacobs, Rex C., Detroit, Mich. Glare shield. 1,981,702; Nov. 20.

Jaeger, Alphons O., Mount Lebanon, and L. C. Danie's, Crafton, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation. Production of aralkylaryl carboxylic acids. 1,981,360; Nov. 20.

Jaglowicz, Joseph B., Louisville, Ky. Coaster toy. 1,981,317; Nov. 20.

James Manufacturing Company. (See Kreutzer, Frederic J., assignor.)

James Manufacturing Company. (See Shodron, John G., assignor.)

James, Thomas B., assignor to General Mills, Inc., Minneapolis, Minn. Producing wheat germ in whole and unflattened state. 1,981,318; Nov. 20.

Jaquith, William K. (See Burrows, Robert W., assignor.)

Jefferson, Frank A., Jacksonville, Fla. Oil stove wick. 1,981,107; Nov. 20.

Jenkins, Fredrick A. E., Canterbury, near Sydney, New South Wales, Australia. Air compressing apparatus. 1,980,997; Nov. 20.

Johanson, Georg K. V. (See Anderson, E. E. W., and Johanson.)

Johnson, Harry R., Baltimore, Ohio. Canned oil servicer. 1,981,177; Nov. 20.

Johnson, Sigfrid W., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Bottle carrier. 1,981,647; Nov. 20.

Johnston, Edward S., Troy, Ohio, assignor to The Kitchen Aid Manufacturing Company. Fruit juice extractor. 1,981,554; Nov. 20.

Jones, Albert S., Pittsburgh, Pa. Crossing structure. 1,981,361; Nov. 20.

Jones, Charles T., Kinston, N. C. Window screen. 1,981,319; Nov. 20.

Jones, Mabel T., Detroit, Mich. Sanitary tie rack. 1,981,510; Nov. 20.

Jones, R. A., & Company, Inc. (See Jones, Ruel A., assignor.)

Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Soap press. 1,981,804; Nov. 20.

Joyce, William H., Jackson Heights, N. Y. Wrapper for use in hair waving processes. 1,981,362; Nov. 20.

Jubilee Manufacturing Co. (See Gillet, Alexis F., assignor.)

Kaĉer, Bohuslav, and M. Nohel, Prague, Czechoslovakia. Driving mechanism. 1,981,805; Nov. 20.

Kadco Corporation. (See Hatch, Theodore F., assignor.)

Knechele, Albert. (See Zeller, Theodore, assignor.)

Kaiser, Friedrich, Waiblinger, Wurtemberg, Germany. Method and device for mechanically attaching pins to fly catcher tapes. 1,981,732; Nov. 20.

Kallo Inc. (See Lieberknecht, Karl R., assignor.)

Kallscher, George, Frankfort-on-the-Main, J. Nüsslein, Ludwigshafen-on-the-Rhine, and R. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Composition for softening textile goods. 1,981,108; Nov. 20.

Karter, Harry B., Garden City, N. Y. Spraying device. 1,981,623; Nov. 20.

Kaunitz, Fred E. and L. R., Bay City, Mich. Trailer. Des. 93,873; Nov. 20.

Kaunitz, Lester R. (See Kaunitz, Fred E. and L. R.)

Kavnaugh, Harry A., and G. F. Newton; said Newton assignor to W. S. Pattison, Kansas City, Mo. Form clamp. 1,981,178; Nov. 20.

Kawneer Company, The. (See Plym, Francis J., assignor.)

Kawneer Company, The. (See Plym, F. J., and Barclay, assignors.)

Kay, Calvin, Tremonton, Utah. Stoker control. 1,981,454; Nov. 20.

Kayler, Frank H. (See Kinne, E. P., and Kayler.)

Keenan, John B., et al. (See Grasso, S., and Bongiovanni.)

Keenan, Walter F., jr., Pelham Manor, and W. H. Hardie, assignors to Foster Wheeler Corporation, New York, N. Y. Furnace wall structure. 1,981,648; Nov. 20.

Kehl, Robert J., Bayside, N. Y., assignor to The Linde Air Products Company. Welding apparatus. 1,981,624; Nov. 20.

Keith, Percy C., jr., Bernardsville, assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Cracking heavy stocks. 1,981,842; Nov. 20.

Keller, Arthur C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 1,981,793; Nov. 20.

Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Producing phosphoric acid. 1,981,145; Nov. 20.

Keller, George, Philadelphia, Pa. Combination tool. 1,981,048; Nov. 20.

Kellett, William R., Menasha, assignor to Paper Patents Company, Neenah, Wis. Paper making apparatus. 1,981,049; Nov. 20.

Kelsall, Bernard. (See Kinsella, E., Pratt, and Kelsall.)

Kennedy, Paul W., Gulfport, Miss. Pulverizing and granulating mill. 1,981,415; Nov. 20.

Killinger, Alvin C. (See Crittenden, B. P., and Killinger.)

Kimbell, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making wing nuts. 1,981,363; Nov. 20.

King, Douglas H., Irvington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 1,981,649; Nov. 20.

King, Jesse G., Dayton, Ohio. Refrigerating apparatus. 1,981,598; Nov. 20.

Kinne, Edmund P., Alliance, Ohio., assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,981,179; Nov. 20.

Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Draft gear. 1,981,180; Nov. 20.

Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Mechanism for effecting the lapping movement of the thread-guides of warp-knitting machines. 1,981,511; Nov. 20.

Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Mechanism for effecting the between-needle movements of thread guides in warp-knitting machines. 1,981,512; Nov. 20.

Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Knitting mechanism. 1,981,513; Nov. 20.

Kip, Carola D., jr., assignor to Harper's Bazaar, Inc., New York, N. Y. Perfume sample. 1,981,032; Nov. 20.

Kirkman, Thomas W., New York, N. Y. Electric fuse. 1,981,599; Nov. 20.

Kitchen Aid Manufacturing Company. (See Johnston, Edward S., assignor.)

Kitson Company. (See Werring, Francis W., assignor.)

Klamroth, Albert, Cologne-Mulheim, and H. Ahrens, Leverkusen-Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Metal pickling process. 1,981,109; Nov. 20.

Kleber, Jackson O. (See De Napoli, A. C., jr., and Kleber.)

Kleiber, Carl E. (See Peck, E. B., and Kleiber.)

Klosterman, Harry W. (See Bale, Charles W., assignor.)

Kment, Rudolf, Rochester, N. Y. Lens grinding machine. 1,981,733; Nov. 20.

Knight, Alfred W., San Marino, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitator. 1,981,455; Nov. 20.

Knight, Herbert M., Upper Montclair, N. J. Vessel. 1,980,998; Nov. 20.

Kochendarfer, Sirius E., Altoona, Pa. Time piece movement. 1,981,110; Nov. 20.

Koebner, Max., assignor to F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Production of pressmolding masses by condensation of phenols with formaldehyde or substances that yield formaldehyde. 1,981,514; Nov. 20.

Koehler Manufacturing Company. (See Wheat, Grant, assignor.)

Koenigkramer, Frank and F., Cincinnati, Ohio. Tractional hospital litter or carriage. 1,981,271; Nov. 20.

Koenigkramer, Frederick. (See Koenigkramer, Frank and F.

Koppel, Rudolf H. (See Ditmar, Rudolf, assignor.)

Korfmacher, Anton, Cologne-Lindenthal, Germany. Metering pump. 1,981,416; Nov. 20.

Kovats, John, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Foldable chair. 1,981,387; Nov. 20.

Kramer, Henry H. (See Schmidt, F. A., and Kramer.)

Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Method and apparatus for storing and dispensing feed. 1,981,417; Nov. 20.

Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Building. 1,981,418; Nov. 20.

Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Building. 1,981,419; Nov. 20.

Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Preserving bay. 1,981,420; Nov. 20.

Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Dispensing means. 1,981,421; Nov. 20.

Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Ventilated bin structure. 1,981,422; Nov. 20.

Krischer's Manufacturing Co. (See Fortman, Herman, assignor.)

Kuhn, Anthony, New York, N. Y., and C. H. Heitman, Bergen County; said Heitman assignor to A. D. Reid, Weehawken, N. J. Vending device. 1,981,272; Nov. 20.

Kuhn, Clarence W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric control device. 1,981,555; Nov. 20.

Kuhn, George, Takoma Park, Md., and V. A. Grodsky, Washington, D. C. Washing machine. 1,981,456; Nov. 20.

Kuttner, Julius, Long Island City, N. Y., assignor to Omo Aktiengesellschaft, Zurich, Switzerland. Controlling device for engines. 1,981,734; Nov. 20.

Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Intermediates for rhodamine dyestuffs. 1,981,515; Nov. 20.

Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Intermediates for secondary alkylated rhodamine dyes. 1,981,516; Nov. 20.

Lafayette Instruments Inc. (See Hamley, Herbert R., assignor.)

La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Hand mirror. Des. 93,874; Nov. 20.

La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Pedestal mirror. Des. 93,875; Nov. 20.

La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Hand mirror. Des. 93,876; Nov. 20.

La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Pedestal mirror. Des. 93,877; Nov. 20.

Lake, Donald W., assignor to Excel Auto Radiator Company, Chicago, Ill. Heat exchange device. 1,981,424; Nov. 20.

Landau, Robert, Vienna, Austria. Method of and machine for applying caps to the openings of receptacles, such as bottles. 1,981,111; Nov. 20.

Lane, Edwin, et al. (See Hamilton, Charles E., sr., assignor.)

Langdon, Frank E., Vancouver, Wash. Collapsible winder shaft. 1,981,556; Nov. 20.

Langner, Rudolf, and L. Hladik, Pilsen, Czechoslovakia. Auxiliary-engine for steam-driven locomotives. 1,981,181; Nov. 20.

Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 1,980,999; Nov. 20.

Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material guiding apparatus for rolling mills. 1,981,146; Nov. 20.

Larsen, Peder, Canton, Ohio. Odorizing lamp. 1,981,650; Nov. 20.

Laux, John P., Bethlehem, Pa., and E. R. Packer, New Rochelle, N. Y. Lubricating device. 1,981,364; Nov. 20.

Leach, Charles H., Roselle, N. J. Refining apparatus. Re19,377; Nov. 20.

Leach, Charles H., Roselle, N. J. Oil refining apparatus. Re19,378; Nov. 20.

Leary, James W., Bloomfield, N. J., assignor to American Machine & Foundry Company. Pin roller for tobacco feeds. 1,981,517; Nov. 20.

Lebre, Victor N., Louisville, Ky. Platform attachment for stepladders. 1,981,423; Nov. 20.

Lee, George R., Yates Center, Kans. Spout and closure. 1,981,112; Nov. 20.

Lee, Walter R., Ocala, Fla. Flying toy. 1,981,050; Nov. 20.

Leeuw, John, Zeeland, Mich. Ventilating system. 1,981,050; Nov. 20.

Leg-O-Matic Company, The. (See Kovats, John, assignor.)

Lehman, Walter W., Council Bluffs, Iowa. Treating wheat. 1,981,557; Nov. 20.

Lehner, Louis, Memphis, Tenn. Combined table and screen. 1,981,052; Nov. 20.

Lemen, Paul H., et al. (See Grasso, S., and Bongiovanni, assignors.)

Leopold, Howard F. (See Ayotte, Joseph R., assignor.)

Letourneur, Jean, Versailles, France. Uninflammable balloon. 1,981,600; Nov. 20.

Levey, Clarence J., Park Ridge, and E. J. Haedike, assignors to National Machine Works, Chicago, Ill. Burner assembly. 1,981,602; Nov. 20.

Lewis, Earl A., Chicago, Ill. Moth bag. 1,981,558; Nov. 20.

Lewis, Frank E., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,981,601; Nov. 20.

Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kallo Inc., New York, N. Y. Making stockings. 1,981,053; Nov. 20.

Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kallo Inc., New York, N. Y. Automatic loop regulating mechanism for full fashioned hosiery machines. 1,981,054; Nov. 20.

Light, Charles A., et al. (See Hampton, Fred, assignor.)

Linde Air Products Company, The. (See Kehl, Robert J., assignor.)

Lindsay, Harvey B., Evanston, assignor to Dry Zero Corporation, Chicago, Ill. Insulated structure. 1,981,559; Nov. 20.

Linster, John T., H. B. Pray, and H. A. Lubs, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur colors. 1,981,055; Nov. 20.

Lipp, Elmer L., Los Angeles, Calif., assignor, by mesne assignments, to Refining, Inc., Reno, Nev. Coin controlled apparatus. 1,981,273; Nov. 20.

Linscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Md. Shoe. Des. 93,878; Nov. 20.

Lipsey, Maurice, Glasgow, assignor of one-half to British National Electrics Limited, Mossend, Scotland. Multiple fuse. 1,981,735; Nov. 20.

Littleton, Jesse T., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for cooling glass. 1,981,560; Nov. 20.

Livermore, H. F., Co. (See Dodge, S. O., and Newton, assignors.)

Lloyd, Ray T. (See Baldwin, William B., assignor.)

Lloyd, William D., assignor to National Super Products Corporation, Chicago, Ill. Bandage. 1,981,561; Nov. 20.

Locke Insulator Corporation. (See Vrooman, Edward C., assignor.)

Locomotive Finished Material Company, The. (See Moorhead, Arthur H., assignor.)

Logan, Owen J., Flushing, N. Y. Surgical needle and suture. 1,981,651; Nov. 20.

Logue, Charles H., Syracuse, N. Y. Variable speed power transmitting mechanism. 1,981,236; Nov. 20.

Lohrmann, Gerhard, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Neutralizing distributing electric waves. 1,981,056; Nov. 20.

Lombardi Knitting Machine Co. Inc. (See Lombardi, Vincent, assignor.)

Lombardi, Vincent, Brooklyn, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitted fabric. 1,981,057; Nov. 20.

Long, George E., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating electrodes. 1,981,652; Nov. 20.
Loranger, Hubert R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,981,562; Nov. 20.
Losenhausenwerk. (See Rathke, Kurt, assignor.)
Loughead, Allan H., Los Angeles, Calif., assignor to Alhambra Airport and Air Transport Company, Denver, Colo. Multimotored airplane. 1,981,237; Nov. 20.
Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic braking apparatus. 1,981,653; Nov. 20.
Lowry, Thomas K., Chicago, Ill., assignor to Darling & Company. Drier and manufacture of gelatinous substances. 1,981,806; Nov. 20.
Lubs, Herbert A. (See Linster, J. T., Pray, and Lubs.)
Lucey, Michael, Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Polishing machine. 1,981,654; Nov. 20.
Lucke, Herman F., jr., Baltimore, Md. Trackless transportation system. 1,981,655; Nov. 20.
Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Machine for forming glass articles. 1,981,238; Nov. 20.
Lufkin, Garland, Bridgeton, N. J., and F. Flexon, Alton, Ill., assignors to Owens-Illinois Glass Company. Glass melting furnace. 1,981,625; Nov. 20.
Luther, Martin. (See Friedolsheim, A., and Martin.)
Lyman, Kenneth E., Rockford, Ill. Friction clutch. 1,981,807; Nov. 20.
Lyons, Charles T., Medina, assignor to Durable Mat Company, Seattle, Wash. Marine fender. 1,981,182; Nov. 20.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container. 1,981,518; Nov. 20.
Macdonald, William F., assignor to Bridgeport Brass Company, Bridgeport, Conn. Air valve for radiators and the like. 1,981,365; Nov. 20.
Macdonald, William H., Passaic, N. J. Printing device. 1,981,519; Nov. 20.
MacLain, Dick R. (See Simmonds, Herman, jr., assignor.)
Magnesium Development Corporation. (See Wagner, Karl F., assignor.)
Mallory Hat Company, The. (See Reynolds, Ralph K., assignor.)
Mallory, P. R. & Co., Incorporated. (See Fruth, Hal F., assignor.)
Mallory, P. R. & Co., Incorporated. (See Williams, Joseph S., assignor.)
Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company, New York, N. Y. Banding machine. 1,981,366; Nov. 20.
Mamiya, Fusajiro, Los Angeles, Calif. Vehicle signal indicator. 1,981,274; Nov. 20.
Manganese Bronze & Brass Company, The. (See Selman, George S., assignor.)
Manske, Fred A., assignor to United States Gypsum Company, Chicago, Ill. Building construction. 1,981,239; Nov. 20.
Manufacturers Equipment Company, The. (See Forry, Karl R., assignor.)
Manufacturers Equipment Company, The. (See Voris, Russell T., assignor.)
Maraniss, Rebecca S., assignor to S. Shapiro Co. Inc., New York, N. Y. Textile fabric or the like. Des. 93,879; Nov. 20.
Maranville, Harvey F., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire tread burner. 1,981,808; Nov. 20.
Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
Marconi, Guglielmo, Strand, London, and C. S. Franklin, Buckhurst Hill, England, assignors to Radio Corporation of America. Thermionic valve. 1,981,058; Nov. 20.
Margelis, Anthony, Grand Rapids, Mich. Dowel-making machine. 1,981,183; Nov. 20.
Marion Steam Shovel Company. (See Heffelfinger, Glen B., assignor.)
Marschner, Robert F. (See Stoesser, W. C., and Marschner.)
Martin, Allan F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus. 1,981,275; Nov. 20.
Martin, Charles L., assignor to Indera Mills Company, Winston-Salem, N. C. Bathing suit. 1,981,320; Nov. 20.
Martindell, Milton H., assignor to Jos. Stokes Rubber Co., Trenton, N. J. Storage battery separator. 1,981,736; Nov. 20.
Martz, George W., Norwalk, Conn., assignor to Hat Corporation of America, New York, N. Y. Hatter's iron. 1,981,520; Nov. 20.
Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Radiator. 1,981,367; Nov. 20.
Master, Hubert I., and T. Cunningham, Mannington, W. Va. Back-up tool. 1,981,656; Nov. 20.
Matthews, Frank C., F. E. Brown, and J. W. H. Pengelly, assignors to The India Rubber, Gutta Percha and Telegraph Works Company Limited, London, England. Cutting tubes into lengths and apparatus therefor. 1,981,059; Nov. 20.
Maurer, John A., jr., New York, N. Y., and H. H. Friend, Philadelphia, Pa., assignors to Radio Corporation of America. Apparatus for splicing films. 1,981,368; Nov. 20.
Mazer, Louis, New York, N. Y. Article of jewelry. 1,981,521; Nov. 20.
Mazur, Samuel, Bristol, assignor to The Sessions Clock Company, Forestville, Conn. Non-selfstarting synchronous electric motor. 1,981,000; Nov. 20.
McArthur, Elmer D. (See Nolte, H. J., and McArthur.)
McCaa, David G., Philadelphia, Pa. Reducing electrical disturbances. 1,981,457; Nov. 20.
McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Refining oils. 1,981,626; Nov. 20.
McCloy, Arthur S., Detroit, Mich., and S. F. French, Dobbs Ferry, assignors to Anaconda Wire & Cable Company, New York, N. Y. Electric service plug with prongs in cap. 1,981,458; Nov. 20.
McCollum, John, New York, N. Y. Chewing gum carton. Des. 93,880; Nov. 20.
McCormick Brothers Company. (See Neel, Arthur W., assignor.)
McCullough, William E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Making journal bearings. 1,981,276; Nov. 20.
McDonald, Harry R., assignor to Hart Glass Manufacturing Company Dunkirk, Ind. Bottle or similar container. Des. 93,881; Nov. 20.
McGavack, John, Leonia, and R. F. Tefft, Nutley, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of latex. 1,981,184; Nov. 20.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Back-fire release for internal combustion engines. 1,981,120; Nov. 20.
McIlvried, Edwin J., Akron, and J. C. Bittman, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Spooling apparatus. 1,981,563; Nov. 20.
McIlwain, Daniel V., Scottsbluff, Nebr. Bicycle. 1,981,737; Nov. 20.
McKay Company, The. (See Gentzler, Mervin, assignor.)
McKay Company, The (See Yassay, Joseph, assignor.)
McKenzie, Edward R., Memphis, Tenn. Elevator lubricator. 1,981,277; Nov. 20.
McNally, James G., assignor to Eastman Kodak Company, Rochester, N. Y. Substratum for photographic elements. 1,981,425; Nov. 20.
McNeil, Charles I., Bloomfield, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,981,738; Nov. 20.
McNeil, William M., assignor to United States Gypsum Company, Chicago, Ill. Wall construction. 1,981,240; Nov. 20.
McVeigh, William B. (See Fulton, S. M., and McVeigh.)
McWilliams, John P., and F. Ditchfield, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Transportation container. 1,981,241; Nov. 20.
Medart, Martin L. (See Brunton, Earl W., assignor.)
Melgs, Bassett & Slaughter, Inc. (See Bodenstein, Paul H., assignor.)
Melin, William, Flint, Mich. Portable check writer and protector. 1,981,459; Nov. 20.
Melish, Thomas G., Cincinnati, Ohio. Head lamp. 1,981,564; Nov. 20.
Mendelson, Charles, et al. (See Hamilton, Charles E., sr., assignor.)
Mendelson, Percy, et al. (See Hamilton, Charles E., sr., assignor.)
Merrill, David R. (See Bray, U. B., Pollock, and Merrill.)
Merriman, Ralph S., assignor to The Closure Service Company, Toledo, Ohio. Coaster. 1,981,627; Nov. 20.
Metal Office Furniture Company. (See Pipe, John, assignor.)
Michigan Wire Goods Company. (See Smith, Benjamin H., assignor.)
Michot-Dupont, Georges F., Vincennes, France, assignor to "Physical Chemistry Research Cy", Wilmington, Del. Deriving liquid hydrocarbons from solid carbonizable materials. 1,981,614; Nov. 20.
Millar, Harold E., Windsor, near Melbourne, Victoria, Australia. Device for the projection of moving advertising matter, announcements, and the like. 1,981,739; Nov. 20.
Miller, Clinton, H., jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Valve. 1,981,825; Nov. 20.
Miller, Fay H. (See Ralston, O. C., and Miller.)
Miller, James B., Webster Groves, Mo. Cable connecter. 1,981,460; Nov. 20.
Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Jewelry ornamentation. 1,981,369; Nov. 20.
Miller, Julius C., assignor to General Motors Corporation, Detroit, Mich. Top construction for a vehicle body. 1,981,060; Nov. 20.
Miller, Robert J., Milwaukee, Wis. Flying equipment. 1,981,461; Nov. 20.
Miller, Romie H., St. Louis, Mo. Toothbrush. 1,981,657; Nov. 20.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Ball agitating device for pin ball games. 1,981,462; Nov. 20.
Mills, Lindley E. (See Britton, E. C., and Mills.)
Mills Novelty Company. (See Mills, Bert E., assignor.)
Mills Novelty Company. (See Radke, Bruno, assignor.)
Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, Doren, Martinsville, N. J., assignor to American Telephone and Telegraph Company. Privacy system. 1,981,113; Nov. 20.

Mitchell, Doren, Martinsville, and S. B. Wright, South Orange, N. J., assignor to American Telephone and Telegraph Company. Privacy system. 1,981,114; Nov. 20.
Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Follow focus mechanism. 1,981,185; Nov. 20.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Necktie clasp. 1,981,740; Nov. 20.
Mobbs, Richard O., London, assignor to The Pytchley Autocar Company, Limited, Slough, England. Movable roof for vehicles. 1,981,843; Nov. 20.
Mohawk Carpet Mills, Inc. (See Greaves, William B., assignor.)
Moller, Kasper F., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine control mechanism. 1,981,147; Nov. 20.
Monro, William L., Pittsburgh, Pa. Laminated glass. 1,981,703; Nov. 20.
Moore, Lawrence H., Wichita, Kans. Spray device. 1,981,704; Nov. 20.
Moorhead, Arthur H., assignor to The Locomotive Finished Material Company, Atchison, Kans. Return bend. 1,981,061; Nov. 20.
Morgan & Wright. (See Gerke, Roscoe H., assignor.)
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,981,062; Nov. 20.
Morris, John, Youngwood, assignor to Robertshaw Thermostat Company, Pittsburgh, Pa. Locking device. 1,981,705; Nov. 20.
Morrison Bros. (See Glab, William N., assignor.)
Morse, Herman E., Akron, Ohio, assignor to Wingfoot Corporation. Vulcanizing press. 1,981,628; Nov. 20.
Morton, James, Cramond Bridge, West Lothian, Scotland, Manufacture of chenille. 1,981,741; Nov. 20.
Moss Elias. (See Newmark, M., and Moss.)
Mosshammer, Jesse H., Wapanucka, Okla. Oven. 1,981,638; Nov. 20.
Mowat, Duane, assignor to H. F. Vickers, Detroit, Mich. Film feeding mechanism. 1,981,370; Nov. 20.
Moyer, Andrew T., Jenkintown, Pa. Safety device for paper cutters. 1,981,063; Nov. 20.
Mudd, Garrett W., Chicago, Ill., assignor to Pneumatic Scale Corporation, Ltd., Quincy, Mass. Labeling machine. 1,981,278; Nov. 20.
Muehler, Lowell E., assignor to Eastman Kodak Company, Rochester, N. Y. Liquid hardener solution. 1,981,426; Nov. 20.
Mueller, Joachim, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuff mixture. 1,981,242; Nov. 20.
Mueller Paul M., Rome, assignor to General Cable Corporation, New York, N. Y. Reel. 1,981,809; Nov. 20.
Mueller, Robert A., Houston, Tex. Controlling wells. 1,981,279; Nov. 20.
Muench, Herbert E., University City, Mo. Heel plate. 1,981,148; Nov. 20.
Mulhern, John F. (See Thomson, J. M., and Mulhern.)
Müller, Georg, Leipzig, Germany. Stave or bottom for barrels and vats, etc. 1,981,659; Nov. 20.
Müller, Rudolf. (See Kalischer, G., Nüsslein, and Müller.)
Murphy, Daniel H., West Hartford, Conn., assignor to The Wiremold Company. Electric wiring system. 1,981,742; Nov. 20.
Murphy, Edmund G., Chicago, Ill. Vacuum tube. 1,981,115; Nov. 20.
Murphy, Lloyd T., Chattanooga, Tenn. Laminated board making machine. 1,981,321; Nov. 20.
Mustonen, Henry T., Little Neck, N. Y. Automatic roaster apparatus. 1,981,603; Nov. 20.
N. V. Nederlandsche Instrumenten Compagnie "Nedinsco". (See Steinle, A., and Schreiber assignors.)
Nakajima, Tomomasa, and K. Takayanagi, Hamamatsu, Japan. Cathode ray tube. 1,981,322; Nov. 20.
Namur, Carl, assignor to Specialty Brass Company, Kenosha, Wis. Bottle capping apparatus. 1,981,565; Nov. 20.
National Aniline & Chemical Company., Inc. (See Kyrides, Lucas P., assignor.)
National Cash Register Company, The. (See von Pein, Edward J., assignor.)
National Machine Works. (See Levey, C. J., and Haedike, assignors.)
National Machinery Company, The. (See Frost, Earl R., assignor.)
National Pressure Cooker Company. (See Nelson, Carl, assignor.)
National Smelting Company, The. (See Bonsack, Walter, assignor.)
National Super Products Corporation. (See Lloyd, William D., assignor.)
Naugatuck Chemical Company, The. (See McGavack, J., and Tefft, assignors.)
Nederlandsche Technische Handel Maatschappij "Giro". (See Otto, Wolfgang, assignor.)
Neel, Arthur W., assignor to McCormick Brothers Company, Albany, Ind. Tray for refrigerators. 1,981,743; Nov. 20.
Neitzke, Oscar D., Belmont, Mass. Dispersion of mineral matter. 1,981,522; Nov. 20.
Nejedly, Peter M., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Shell opener for cigarette packaging machines. 1,981,463; Nov. 20.
Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. Des. 93,882; Nov. 20.
Nelson, Henry E., Everett, Wash. Cooky molding machine. 1,981,186; Nov. 20.
Nelson, Herbert A., Manette, Wash. Cleaning device. 1,981,744; Nov. 20.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,981,464; Nov. 20.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,981,706; Nov. 20.
Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Band moistener. 1,981,465; Nov. 20.
Neumann, Ralph B., jr., Webster Groves, Mo. Air-tight sash and window frame. 1,981,116; Nov. 20.
Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostatic control system. 1,981,707; Nov. 20.
Newhouse, Walter F., Benton Harbor, Mich. Machine for making bushel basket blanks or mats. 1,981,065; Nov. 20.
New Jersey Zinc Company, The. (See Bunce, E. H., and Ashman, assignors.)
Newmark, Morris, and E. Moss, New York, N. Y. Lubricating device. 1,981,243; Nov. 20.
Newton, Charles A. (See Smith, R. J., Newton, and Roe.)
Newton, George F. (See Kaynaugh, H. A., and Newton.)
Newton, Robert C. (See Dodge, S. O., and Newton.)
New York Quotation Company. (See Spencer, James A., assignor.)
Niess and Company, Inc. (See Ritchie, John R., assignor.)
Nigro, Michel, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Machine for coiling metal strip. 1,981,566; Nov. 20.
Nohel, Max. (See Kačer, B., and Nohel.)
Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Exhaust and apparatus therefor. 1,981,523; Nov. 20.
Nolte, Henry J., and E. D. McArthur, Schenectady, N. Y., assignors to General Electric Company. Electric discharge apparatus. 1,981,524; Nov. 20.
North American Lace Company. (See Gentner, Frederick, assignor.)
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
North American Rayon Corporation. (See Etzkorn, Rudolf, assignor.)
Northern Maine Plywood Company. (See Quimby, A., and Antworth, assignors.)
Northman, Edith M., assignor to Union Oil Company of California, Los Angeles, Calif. Service station. Des. 93,883; Nov. 20.
Northman, Edith M., assignor to Union Oil Company of California, Los Angeles, Calif. Service station. Des. 93,884; Nov. 20.
Northrup, Edwin F., Princeton, N. J., assignor to Ajax Electrothermic Corporation. Method and apparatus for inductive heating. 1,981,629; Nov. 20.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Heating travelling stock. 1,981,630; Nov. 20.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Electric induction furnace. 1,981,631; Nov. 20.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Heating apparatus. 1,981,632; Nov. 20.
Norviel, Harry E., deceased, Anderson, Ind., Anderson Banking Company, executor, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric switch. 1,981,064; Nov. 20.
Nuckols, Claude C., Menands, assignor to Albany Corrugated Container Corp., Albany, N. Y. Basket. 1,981,187; Nov. 20.
Nüsslein, Josef. (See Kalischer, G., Nüsslein, and Müller.)
Oakley, Edward C. F., Thornton Heath, assignor to Hancock & Company (Engineers) Limited, London, England. Tracer mechanism. 1,981,117; Nov. 20.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Electric Mfg. Company, The. (See Wertz, Roy O., assignor.)
Ohrn, Herbert E. (See Wikander, A. J., and Ohrn.)
Olsen, Alfred G., Elkhorn, Wis. Shrinking wood. 1,981,567; Nov. 20.
Olsen, Anton M. (See Engbrecht, G. C., and A. J. and A. M. Olsen.)
Olsen, Arthur J. (See Engbrecht, G. C., and A. J. and A. M. Olsen.)
Olson, Charles W., Cleveland Heights, Ohio. Collet chuck. 1,981,660; Nov. 20.
Omo Aktiengesellschaft. (See Kuttner, Julius, assignor.)
Ondricek, Adolph, Astoria, Long Island, N. Y. Combination receptacle. 1,981,604; Nov. 20.
O'Neill, Frank, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,981,244; Nov. 20.
Opferman, Joseph S., Oakwood Heights, assignor to Ganger, Inc., Manhattan, N. Y. Chair back. Des. 93,885; Nov. 20.

Orelup, John W., Summit, N. J. Sulphated condensation products of fatty acids and monoethanolamine. 1,981,792; Nov. 20.

Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Six wheel truck. 1,981,118; Nov. 20.

Osborn, Henry C., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Addressing machine. 1,981,001; Nov. 20.

Osgood, Charles F., assignor to Sullivan Machinery Company, Claremont, N. H. Mining apparatus. 1,981,745; Nov. 20.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,981,746; Nov. 20.

Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency coupling apparatus. 1,981,066; Nov. 20.

Osuch, Francis J., Detroit, Mich. Book cover. 1,981,280; Nov. 20.

Otto, Wolfgang, Kitzberg, near Kiel, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro", The Hague, Netherlands. Controlling system. 1,981,827; Nov. 20.

Owen, Fred E., assignor of one-half to Vierling Steel Works and one-half to Henry Pratt Company, Chicago, Ill. Tank. 1,981,568; Nov. 20.

Owen, George W., Baltimore, Md. Inkwell or the like. 1,981,281; Nov. 20.

Owens-Illinois Glass Company. (See Benoit, Joseph P., assignor.)

Owens-Illinois Glass Company. (See Johnson, Sigfrid W., assignor.)

Owens-Illinois Glass Company. (See Lufkin, Garland, assignor.)

Owens-Illinois Glass Company. (See Lufkin, G., and Flexon, assignors.)

Owens-Illinois Glass Company. (See O'Neill, Frank, assignor.)

Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)

Packer, Eben R. (See Laux, J. P., and Packer.)

Palazzo, Fortunato. (See Palazzo, Francesco C. and F.)

Palazzo, Francesco C. and F., Florence, Italy. Producing wood cellulose comparable to cotton with high tenor of alkali resisting cellulose. 1,981,323; Nov. 20.

Panhandle Refining Company. (See Sims, W. F., and Cloer, assignors.)

Paper Patents Company. (See Kellett, William R., assignor.)

Papworth, Walter A. (See Geldhof, P. E., and Papworth.)

Parker, Henry W., and J. R. Eakins, assignors to Rogers Radio Tubes, Ltd., Toronto, Ontario, Canada. Automatic machine for processing thermionic tubes and the like. 1,981,149; Nov. 20.

Parkhurst, Frederic A., Bethesda, Md., assignor to The Fiberloid Corporation, Indian Orchard, Mass. Molded object. 1,981,810; Nov. 20.

Parks & Woolson Machine Company. (See Hogue, John W., assignor.)

Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 1,981,747; Nov. 20.

Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Fruit guard. 1,981,748; Nov. 20.

Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 1,981,749; Nov. 20.

Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 1,981,750; Nov. 20.

Passler, Herbert T., Boston, Mass. Gauge. 1,981,751; Nov. 20.

Paterson Parchment Paper Company, The. (See Wrede, Hans, assignor.)

Patrol Valve Company, The. (See Te Pas, Edmund J., assignor.)

Patterson, Franklin M. (See Gibson, G. H., and Patterson.)

Pattison, William S. (See Kavnaugh, H. A., and Newton.)

Patton, James D., Windber, Pa. Window. 1,981,752; Nov. 20.

Paulding, John I., Inc. (See Wack, Henry K., assignor.)

Pavitt, William H., Bronxville, N. Y. Vehicle position indicator. 1,981,188; Nov. 20.

Paxton, Worthen. (See Geddes, N. B., Paxton, and Stangle.)

Pearcy, Noah C., Park Ridge, Ill., assignor to Westinghouse Electric & Manufacturing Company. Space-current device. 1,981,245; Nov. 20.

Pearson, Harold J. C., Atlanta, Ga. Electric connecter. 1,981,753; Nov. 20.

Peck, Edward B., Elizabeth, and C. E. Kleiber, Irvington, N. J., assignors to Standard Oil Development Company. Heat treating oil. 1,981,826; Nov. 20.

Peet, Gerald D., Montclair, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Casing for gas supplying apparatus. Des. 93,886; Nov. 20.

Pengelly, John W. H. (See Matthews, F. C., Brown, and Pengelly.)

Perkins Machine & Gear Company. (See Croft, Hiram D., assignor.)

Permo Products Corporation. (See Engbrecht, G. C., and A. J. and A. M. Olsen, assignors.

Permold Company, The. (See Biringer, Herman W., assignor.)

Permold Company, The. (See Jackson, Sidney W., assignor.)

Perry, Benjamin S., Providence, R. I. Twine-dispensing device. 1,981,388; Nov. 20.

Perry, Ira D., Chicago, assignor, by mesne assignments, to The Atwood Vacuum Machine Company, Rockford, Ill. Door bumper. 1,981,283; Nov. 20.

Perugia, Andre, Paris, France. Shoe. Des. 93,887; Nov. 20.

Perugia, Andre, Paris, France. Shoe. Des. 93,888; Nov. 20.

Peterson, Elrey G., Omaha, Nebr. Interlocking partition block. 1,981,324; Nov. 20.

Peterson, Victor W., assignor to Hannifin Manufacturing Co., Chicago, Ill. Spring cover apparatus. 1,981,189; Nov. 20.

Pfeifer, Frederick W., West Allis, Wis. Building construction. 1,981,661; Nov. 20.

Pfeiffer, Wilhelm, Kaaden-on-the-Eger, assignor of one-third to K. Reiss, Saaz-on-the-Eger, Czechoslovakia. Heating apparatus. 1,981,190; Nov. 20.

"Physical Chemistry Research Cy". (See Michot-Dupont, Georges F., assignor.)

Pikul, Joseph H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,981,119; Nov. 20.

Pilgrim, Maylech, New York, N. Y. Fountain paint brush. 1,981,067; Nov. 20.

Pipe, John, assignor to Metal Office Furniture Company, Grand Rapids, Mich. Extension drawer slide. 1,981,246; Nov. 20.

Piper, Frank R., Fairfax, assignor to West Point Manufacturing Company, Langdale, Ala. Selvage trimming machine. 1,981,191; Nov. 20.

Pittsburgh Equitable Meter Company. (See Woolfenden, Frank J., assignor.)

Pittsburgh Plate Glass Company. (See Halbach, Howard L., assignor.)

Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,981,193; Nov. 20.

Plym, Francis J., and I. G. Barclay, assignors to The Kawneer Company, Niles, Mich. Window construction. 1,981,192; Nov. 20.

Pneumatic Scale Corporation, Ltd. (See Mudd, Garrett W., assignor.)

Pneumercator Company. (See Thomas, William, assignor.)

Poillon, Howard A., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 1,981,754; Nov. 20.

Pollock, Leo, New York, N. Y. Decorative article. 1,981,663; Nov. 20.

Pollock, Leopold, New York, N. Y. Check protecting device. 1,981,662; Nov. 20.

Pollock, Ralph C. (See Bray, U. B., Pollock, and Merrill.)

Pope, Elton A., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Telescopic elbow-fittings for interconnecting flush-tanks and toilet-bowls. 1,981,247; Nov. 20.

Pope, William B., Drewryville, Va. Garment hanger and clothes tree. 1,981,569; Nov. 20.

Porter, Irving D. (See Wynne, Robert J., assignor.)

Powder Puff Pouch Co., The. (See Hammerling, Emanuel, assignor.)

Pratt, Henry, Company, et al. (See Owen, Fred E., assignor.)

Pratt, John G. (See Kinsella, E., Pratt, and Kelsall.)

Pray, Horace B. (See Linster, J. T., Pray, and Lubs.)

Preston, Edward S., Chicago, Ill. Casing for an electric toaster or the like. Des. 93,889; Nov. 20.

Price, Nalley E., Dallas, Tex. Method of and apparatus for drilling oil wells. 1,981,525; Nov. 20.

Price, Stanley, Edwardsville Pa. Dust collector for drills. 1,981,570; Nov. 20.

Prindle, Frank P., assignor to The Stanley Works, New Britain, Conn. Seal for metal straps. 1,981,371; Nov. 20.

Progressive Ring Company, The. (See Miller, J. M., and Fenton, assignors.)

Prusa, Frank, Congress Park, Ill. Single wheel axle. 1,981,325; Nov. 20.

Public, Dedicated to the free use of the. (See Swenson, Roy L., assignor.)

Pugh, John D., Baltimore, Md. Forging tapered articles. 1,981,326; Nov. 20.

Pulles, Cornelis A. J. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse.)

Purcell, Henry T., Norwood, Mass. Oil burning apparatus. 1,981,248; Nov. 20.

Pytchley, Autocar Company, Limited, The. (See Mobbs, Richard O., assignor.)

Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,981,150; Nov. 20.

Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preserving poles. 1,981,664; Nov. 20.

Quimby, Allen, Portland, and S. J. Antworth, Houlton, assignors to Northern Maine Plywood Company, Portland, Maine. Plywood container. 1,981,466; Nov. 20.

Radio Corporation of America. (See Black, Knox C., assignor.)

Radio Corporation of America. (See Dickey, Edward T., assignor.)

Radio Corporation of America. (See Marconi, G., and Franklin, assignors.)

Radio Corporation of America. (See Maurer, J. A., and Friend, assignors.)

Radio Corporation of America. (See Roberts, Walter V., assignor.)

Radio Corporation of America. (See Snow, Harold A., assignor.)

Radke, Bruno, Libertyville, assignor to Mills Novelty Company, Chicago, Ill. Vending machine. 1,981,467; Nov. 20.

Ragonnet, Eugene L., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tracer device. 1,981,372; Nov. 20.

Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle device. 1,981,633; Nov. 20.

Ragsdale, Earl J. W., and J. C. Whitesell, jr., Norristown, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Step chisel welder. 1,981,708; Nov. 20.

Ralston, Anderson W., Chicago, Ill., and J. R. Wright, Baton Rouge, La., assignors to Standard Oil Development Company. Reclaiming rubber and similar substances. 1,981,811; Nov. 20.

Ralston, Oliver C., and F. H. Miller, Clarkdale, Ariz., assignors to United Verde Copper Company. Solution purification. 1,981,068; Nov. 20.

Ramos, Manuel, Forest City, assignor of one-third to G. Ganforcoro, Archbold, and one-third to M. G. Gaselas, Forest City, Pa. Lock. 1,981,121; Nov. 20.

Ramsey, George, Brooklyn, N. Y. Coordination of moving pictures and sound records. 1,981,069; Nov. 20.

Randall, Chester J., assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Vulcanizing apparatus. 1,981,194; Nov. 20.

Raschig, F., G. m. b. H. (See Koebner, Max, assignor.)

Rathke, Kurt, assignor to Losenhausenwerk, Dusseldorf, Grafenberg, Germany. Device for the indication of alternating pressures. 1,981,195; Nov. 20.

Rathmell, John M. (See Green, J. B., and Rathmell.)

Rau, Henry V., Amityville, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Tufting anchor. 1,981,070; Nov. 20.

Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 1,981,709; Nov. 20.

Ray, Fred B., and C. G. Schmid, assignors to Insley Manufacturing Company, Indianapolis, Ind. Road shoulder finishing machine. 1,981,284; Nov. 20.

Raymond, Lambert L., Minneapolis, Minn. Christmas tree ornament. Des. 93,890; Nov. 20.

Rechlicz, Anthony J., Milwaukee, Wis. Combination and convertible baby walker. 1,981,285; Nov. 20.

Reece Button Hole Machine Company, The. (See Pikul, Joseph H., assignor.)

Refining, Inc. (See Lipp, Elmer L., assignor.)

Reid, Andrew D. (See Kuhn, A., and Heitman, assignors.)

Reid, John G., San Jose, Calif., assignor to American Can Company, New York, N. Y. Electrical control system. 1,981,002; Nov. 20.

Reilly, Peter C. (See Hansen, Mahlin S., assignor.)

Reiss, Kurt. (See Pfeiffer, Wilhelm, assignor.)

Remington Rand Inc. (See Wood, Rodney J., assignor.)

Research Corporation. (See Poillon, Howard A., assignor.)

Resnick, William, New York, N. Y. Hand bag. Des. 93,891; Nov. 20.

Rex Research Corporation. (See Hedenburg, Oscar F., assignor.)

Reynard, Lee E., Utica, Ohio. Weed killer. 1,981,122; Nov. 20.

Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Hat construction. 1,981,286; Nov. 20.

Riblet, Byron C., Spokane, Wash. Wheel. 1,981,196; Nov. 20.

Rice, Trew & Rice Co. Inc. (See Partner, Albert A., assignor.)

Richardson Company, The. (See Stafford, Earl, assignor.)

Richardson, Roger W., and R. B. Schneider, assignors to E. I. du Pont de Nemours & Company, Wilmington Del. Prevention of foam. 1,981,634; Nov. 20.

Ricker, Frederick G., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Actuating mechanism for dough dividers. 1,981,151; Nov. 20.

Riddell, William A., assignor to The Frederick Iron & Steel Company, Frederick, Md. Manufacturer of coke and producer gas. 1,981,003; Nov. 20.

Ridley, Frederick T., London, assignor to Frederick William Ridley, Edgbaston, Birmingham, England. Bed lift. 1,981,666; Nov. 20.

Ridley, Frederick W. (See Ridley, Frederick T. assignor.)

Rieber, Frank, San Francisco, Calif. Earth bore surveying instrument. 1,981,605; Nov. 20.

Riehs, Richard J. (See Schneider, D., and Riehs.)

Rimmer, Richard, Ainsdale, England. Sill brick. 1,981,327; Nov. 20.

Ritchie, John R., assignor to Niess and Company, Inc., Minneapolis, Minn. Bulldozer. 1,981,287; Nov. 20.

Rivier, Louis, Jouxtens-Mezery, Switzerland. Illuminating devices. 1,981,328; Nov. 20.

Rivier, Louis, Jouxtens, Switzerland. Lamp. 1,981,329; Nov. 20.

Rivier, Louis, Jouxtens, Switzerland. Ignition device. 1,981,330; Nov. 20.

Rix, William R., assignor to A. N. Russell & Sons Company, Ilion, N. Y. Cabinet door construction. 1,981,710; Nov. 20.

Roberts, Frank B., Anaheim, assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for drying fruit. 1,981,197; Nov. 20.

Roberts, Harry N., and W. S. Beaugrand, Lexington, Ky. Soap holder. 1,981,389; Nov. 20.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Amplifier circuits. 1,981,071; Nov. 20.

Robertshaw Thermostat Company. (See Morris, John, assignor.)

Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)

Robinson, Eugene O., Hutchinson, Kans. Ice scoring machine. 1,981,331; Nov. 20.

Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe coupling. 1,981,004; Nov. 20.

Roche, James N., Pittsburgh, Pa., assignor to American Tar Products Co., Inc. Composition of matter and preparing the same. 1,981,123; Nov. 20.

Rockwell, Edward A., Long Island City, N. Y. Fuel pump. 1,981,250; Nov. 20.

Rockwell, Edward A., Long Island City, N. Y. Fuel pumping device. 1,981,667; Nov. 20.

Roe, Reginald C. (See Smith, R. J., Newton, and Roe.)

Rogers Radio Tubes, Ltd. (See Parker, H. W., and Eakins, assignors.)

Rohrdanz, Harold F., Inglewood, Calif. Film splicer. 1,981,332; Nov. 20.

Rohs, Adolph, Thinnfeld, Kladno, Czechoslovakia, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Manufacture of stranded electric multicore cables. 1,981,390; Nov. 20.

Roman, Joseph. (See Roman, Max and J.)

Roman, Max and J., Brooklyn, assignors of one-third to I. Solomon, New York, N. Y. Combination clothes hanger and camphor holder. 1,981,072; Nov. 20.

Rome Company, Inc., The. (See Smith, Arthur M., assignor.)

Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,981,668; Nov. 20.

Ronci, Victor L., Brooklyn, N. Y., and C. Depew, Oakland, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,981,669; Nov. 20.

Ronzi, Carl, Zurich, Switzerland. Hair waving appliance. 1,981,373; Nov. 20.

Rooney, James H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of compound materials. 1,981,152; Nov. 20.

Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Combined long and short wave receiver. 1,981,374; Nov. 20.

Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Package. 1,981,073; Nov. 20.

Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)

Roseby, Philip N., assignor to Automatic Electric Company Limited, Liverpool, England. Magnet core. 1,981,468; Nov. 20.

Rosenblatt, Samuel, Medford, assignor to Surgical Dressings, Inc., Jamaica Plain, Mass. Detergent unit. 1,981,249; Nov. 20.

Rosendahl, Charles E., U. S. Navy, Washington, D. C. Mooring mast. 1,981,005; Nov. 20.

Ross, Samuel E., Bren, assignor, by mesne assignments, to A. Barstow, Los Angeles, Calif. Well pumping apparatus. 1,981,288; Nov. 20.

Rossa, Peter A., Willistone Park, assignor of one-half to W. G. Bjorkstedt, Jamaica, Long Island, N. Y. Carboy container. 1,981,812; Nov. 20.

Roth, George F., Chicago, Ill. Thermostat for aquariums. 1,981,251; Nov. 20.

Rowse, Frank J., Pawtucket, R. I. Coin controlled locking mechanism. 1,981,074; Nov. 20.

Rubinstein, Israel, Bronx, N. Y. Playing card and chip set holder or similar article. Des. 93,892; Nov. 20.

Rueb, Theodore O., assignor to Sherman-Klove Company, Chicago, Ill. Ratchet wrench. 1,981,526; Nov. 20.

Ruggles-Klingemann Mfg. Co. (See Tobin, Arthur L., assignor.)

Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar bunch forming. 1,981,469; Nov. 20.

Rundell, Rupert E., Rockville Center, and G. E. Hagquist, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Tobacco leaf stemming and handling mechanism. 1,981,470; Nov. 20.

Rupp, Otto, Burgenland, Austria. Lever press. 1,981,198; Nov. 20.

Russell, A. N., & Sons Company. (See Rix, W. R., assignor.)

Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Acid hardening fixing bath. 1,981,391; Nov. 20.

Russell, John, Sydney, New South Wales, Australia. Paper sack. 1,981,711; Nov. 20.

Ryan Car Company. (See Faverty, Clyde B., assignor.)

Ryan, Joseph F., assignor to Cummins Perforator Company, Chicago, Ill. Ejector for perforating machines. 1,981,199; Nov. 20.
Sachs, Benjamin J., Springfield, Ohio. Garment protector. 1,981,571; Nov. 20.
Samuel, Norman M., Toronto, Ontario, Canada. Ham boiler. 1,981,075; Nov. 20.
Sandberg, Albert C., Lafayette, Ind. Device for hanging radiators. 1,981,427; Nov. 20.
Sanitary Public Service Corporation. (See Stahly, William, assignor.)
Sauer, Oskar, Philadelphia, Pa. Knitted fabric. 1,981,471; Nov. 20.
Saunders, John W., Chicago, Ill. Receptacle for napkins and straws. Des. 93,893; Nov. 20.
Schavoir, Frederick H., Stamford, Conn. Eye device for figure toys. 1,981,333; Nov. 20.
Scheinfeld, Morris, Philadelphia, Pa. Safety device for motion picture projectors. 1,981,670; Nov. 20.
Schellmann, Max, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Refining of cotton seed oil. 1,981,605; Nov. 20.
Scheiss-De Fries Aktiengesellschaft. (See Vogler, Hermann, assignor.)
Schlag, Felix, and A. Fuggiti, Chicago, Ill. Display form. 1,981,527; Nov. 20.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Doorlock for hollow metal doors. 1,981,289; Nov. 20.
Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Article of manufacture. 1,981,334; Nov. 20.
Schmelzer, Albert. (See Bergdoldt, A., and Schmelzer.)
Schmid, Carl G. (See Ray, F. B., and Schmid.)
Schmidt, Folkert A., and H. H. Kramer, assignors to Stahl-Urban Company, Terre Haute, Ind. Manufacturing garments. 1,981,124; Nov. 20.
Schmiedel, William F., assignor to Deltox Rug Company, Oshkosh, Wis. Tufting attachment for sewing machines. 1,981,252; Nov. 20.
Schmitt, Adam J., Fort Wayne, Ind. Electric controls for vehicle direction indicators. 1,981,671; Nov. 20.
Schneider, David, and R. J. Riehs, New York, N. Y. Skill rotating flasher game. 1,981,672; Nov. 20.
Schneider, Edward J., Rock Island, Ill. Transmission. 1,981,428; Nov. 20.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Apparatus for making films, foils, and the like. 1,981,472; Nov. 20.
Schneider, Richard B. (See Richardson, R. W., and Schneider.)
Schock, Eugene P., Austin, Tex. Treating polyhalite. 1,981,125; Nov. 20.
Schönfeldt, Nikolaus. (See Engelhardt, V., Schönfeldt.)
Schoof, Arthur W., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 1,981,153; Nov. 20.
Schreiber, Louis J. J., et al. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse.)
Schreiber, Otto. (See Steinle, A., and Schreiber.)
Schultz, George W., Reading, Pa. Automatic closing fire valve. 1,981,200; Nov. 20.
Schulz, Arthur P. (See Teller, J., and Schulz.)
Schulz, Reinhold H., Detroit, Mich. Globe dial fixture. 1,981,253; Nov. 20.
Schulze, Rudolf, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposition of rare earth metal bearing ores. 1,981,126; Nov. 20.
Schussler, Walter H., Philadelphia, Pa., assignor to International Cigar Machinery Company. Charge sizer. 1,981,473; Nov. 20.
Schuster, Louis, assignor to L. C. White Company, Waterbury, Conn. Pivot back button. 1,981,813; Nov. 20.
Scott, George S., Fresno, Calif. Fishing reel. 1,981,429; Nov. 20
Scott, George S., Fresno, Calif. Control mechanism for fishing reels. 1,981,430; Nov. 20.
Seamark, Lewis M. C., Chagford, England. Casing head equipment for bore-holes or wells. 1,981,431; Nov. 20.
Seamless Rubber Company, Incorporated, The. (See Crane, Myrick, assignor.)
Searles, Wayne S., Providence, R. I., assignor to Universal Optical Corporation. Nose pad. 1,981,432; Nov. 20.
Sells, Stanley N., Columbus, Ohio. Portable motor. 1,981,076; Nov. 20.
Selman, George S., assignor to The Manganese Bronze & Brass Company, Limited, London, England. Propeller and the like. 1,981,392; Nov. 20.
Semler, Clyde M., Stow, Ohio. Curing bag. 1,981,201; Nov. 20.
Semmes, Harry H., Chevy Chase, Md., assignor to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Automatic brake tester. 1,981,474; Nov. 20.
Serene, James A., assignor of one-half to W. R. Serene, Kittanning, Pa. Climber. 1,981,755; Nov. 20.
Serene, William R. (See Serene, James A., assignor.)
Serv-A-Towel Manufacturing Company. (See Hondeville, August L., assignor.)
Sessions Clock Company, The. (See Mazur, Samuel, assignor.)
Severtson, Sigmund E., Kenneth, Minn. Covering attachment for planters. 1,981,393; Nov. 20.
Shaliman Products Company. (See Gurwick, Irving, assignor.)
Shapiro, Joseph. (See Balton, James, assignor.)
Shapiro, S., Co., Inc. (See Shapiro, Rebecca, assignor.)
Sherman, Fred S., Somerville, and J. Husler, Saugus, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. French-binding straightening and cementing machine. 1,981,006; Nov. 20.
Sherman-Klove Company. (See Rueb, Theodore C., assignor.)
Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Liquid dispenser. 1,981,335; Nov. 20.
Shields, Bert W., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Spray gun. 1,981,077; Nov. 20.
Shipman, Charles W., Spokane, Wash. Mower razor. 1,981,202; Nov. 20.
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Storing and dispensing feed. 1,981,433; Nov. 20.
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Apparatus for storage and ventilation of hay. 1,981,434; Nov. 20.
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Material handling mechanism. 1,981,435; Nov. 20.
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Method and apparatus for the storage, curing, and preservation of hay. 1,981,436; Nov. 20.
Shoe Form Co. Inc. (See De Witt, William J., assignor.)
Shook, Florain J., assignor to P. A. Frank, Akron, Ohio. Method and apparatus for building tires. 1,981,828; Nov. 20.
Shover, Barton R., Pittsburgh, Pa. Rolling mill. 1,981,078; Nov. 20.
Shover, Barton R., Pittsburgh, Pa. Apparatus for handling rolled material. 1,981,079; Nov. 20.
Siemens & Halske, Aktiengesellschaft. (See Engelhardt, V., and Schönfeldt, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Lohrmann, Gerhard, assignor.)
Siems, Henry J., assignor to E. B. Eidson, Corpus Christi, Tex. Cement mold. 1,981,203; Nov. 20.
Simmerman, Joseph E., St. Louis, Mo. Vacuum operated device. 1,981,080; Nov. 20.
Simmonds, Herman, jr., assignor of one-half to D. R. McLain, New York, N. Y. Holder for duplicate contract bridge hands. 1,981,154; Nov. 20.
Simpson, Lowe E., Cincinnati, Ohio. Sifting apparatus. 1,981,081; Nov. 20.
Sims Willis F., and V. U. Cloer, assignors to Panhandle Refining Company, Wichita Falls, Tex. Heat treating hydrocarbon oil. 1,981,572; Nov. 20.
Sinclair Refining Company. (See Tifft, Thomas D., assignor.)
Singer Manufacturing Company, The. (See Fleckenstein, George A., assignor.)
Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
Sipp-Eastwood Corporation. (See Sipp, Grant, assignor.)
Sipp, Grant, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Winding machine. 1,981,712; Nov. 20.
Sisson, Vinton E., Winnetka, assignor to Union Metal Products Company, Chicago, Ill. Railway car wall. 1,981,814; Nov. 20.
Skinner, Fred J., Springfield, Mass. Garment hook. Des. 93,894; Nov. 20.
Sklurek, Clifford, Los Angeles, Calif., assignor to International Spotlight Corporation, Chicago, Ill. Switch for dirigible lights. 1,981,204; Nov. 20.
Slack Alfred D., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for making color wedges. 1,981,437; Nov. 20.
Slater, John F., Johnstown, Pa. Fire-box. 1,981,127; Nov. 20.
Sleeper & Hartley, Inc. (See Nigro Michel, assignor.)
Smead, Donald G., Greenfield, Mass. Transformer lifting device. 1,981,756; Nov. 20.
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Arthur M., Oakland, assignor to The Rome Company, Inc., San Francisco, Calif. Mattress clamp. 1,981,254; Nov. 20.
Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Handle for kitchen or camp implements or utensils. 1,981,082; Nov. 20.
Smith Emma E., Berkshire Heights, Pa. Link for cross-chains for nonskid devices. 1,981,394; Nov. 20.
Smith, Francis T., Bridgeport, Conn. Paper roll holder. 1,981,673; Nov. 20.
Smith, Hazor J., assignor to Superstat Company, Springfield, Mass. Thermostat control. 1,981,282; Nov. 20.
Smith, Henry B. (See Taylor, E. R., and Smith.)
Smith, Joseph W., Cambridge, Ohio. Eye-testing apparatus. 1,981,438; Nov. 20.
Smith, Joseph W., Cambridge, Ohio. Apparatus for determining the proper relation between the vision fields of multifocal ophthalmic lenses. 1,981,439; Nov. 20.
Smith, L. C., & Corona Typewriters, Inc. (See Gabrielson, Carl, assignor.)
Smith, Ralph J., and C. A. Newton, Littleover, and R. C. Roe, Rochdale, England. Hydraulic pump and motor of hydraulic transmission gear. 1,981,757; Nov. 20.
Smith, Roy H. (See Frayer, Lee A., assignor.)

Smith, William A. sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drilling mechanism. 1,981,475; Nov. 20.
Snow, Harold A., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum device. 1,981,336; Nov. 20.
Snyder, Robert E., Pasadena, assignor of one-half to F. L. Harter, Los Angeles, Calif. Mortician's lamp. 1,981,375; Nov. 20.
Solomon, Morris B., New York, N. Y. Container for shaving accessories. 1,981,674; Nov. 20.
Solomon, Saidor. (See Roman, Max, and J., assignors.)
Somerville, William E., Coal City, Ill. Wire rope and cable making machine. 1,981,083; Nov. 20.
Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for forming hollow glass articles. 1,981,636; Nov. 20.
Soubier, Leonard D., Alton, Ill., assignor to Owens-Illinois Glass Company. Machine for forming hollow glassware. 1,981,637; Nov. 20.
Spalding, A. G., & Bros. (See Aldrich, William T., assignor.)
Specialty Brass Company. (See Namur, Carl, assignor.)
Specialty Tool Manufacturers, Inc. (See Gundlach, Severin N., assignor.)
Spencer, James A., Teaneck, N. J., assignor to New York Quotation Company, New York, N. Y. Record strip feeding means. 1,981,376; Nov. 20.
Sperry, Philmore F., Chicago, Ill., assignor to Excel Auto Radiator Company. Heat exchange device. 1,981,395; Nov. 20.
Sperry Products, Inc. (See Carter, Leslie F., assignor.)
Spiegel, Edward R., and W. L. Wilson, Dallas, Tex. Engine lubrication. 1,981,290; Nov. 20.
Stafford, Earl Fairlawn, N. J., assignor to The Richardson Company, Lockland, Ohio. Pulp forming process. 1,981,573; Nov. 20.
Stahl-Urban Company. (See Schmidt, F. A., and Kramer, assignors.)
Stahly, William, College Point, assignor to Sanitary Public Service Corporation, New York, N. Y. Toilet seat cover forming machine. 1,981,155; Nov. 20.
Standard Oil Development Company. (See Buc, Hyym E., assignor.)
Standard Oil Development Company. (See Calkins, Austin E., assignor.)
Standard Oil Development Company. (See Fulton, Stewart C., assignor.)
Standard Oil Development Company. (See Gomory, William L., assignor.)
Standard Oil Development Company. (See Miller, Clinton H., jr.)
Standard Oil Development Company. (See Peck, E. B., and Kleiber, assignors.)
Standard Oil Development Company. (See Ralston, A. W., and Wright, assignors.)
Standard Oil Development Company. (See Weatherly, Everett P., jr., assignor.)
Standard Oil Development Company. (See Whitner, Thomas C., jr., assignor.)
Standard Oil Development Company. (See Wiezevich, P. J., and Whiteley, assignors.)
Standish, Edward K., Stoughton, Mass. Braiding machine. 1,981,377; Nov. 20.
Stangle, William H. (See Geddes, N. B., Paxton, and Stangle.)
Stanley, Nathan M., Dayton, Ohio. Eyeglass lens and making same. 1,981,815; Nov. 20.
Stanley Works, The. (See Prindle, Frank P., assignor.)
Stapp, Philipp, Munich, Germany. Producing solid carbon dioxide. 1,981,675; Nov. 20.
Stapp, Philipp, Munich, Germany. Apparatus for the production of solid carbon dioxide. 1,981,676; Nov. 20.
Starie, George B., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,981,528; Nov. 20.
Stark David, Arverne, N. Y. Shoe. 1,981,677; Nov. 20.
Statz, Robert J., South Bend, Ind., assignor to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Automobile wheel gauge. 1,981,476; Nov. 20.
Staud, Cyril J., Rochester, N. Y., and C. E. Waring, Dayton, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose nitro-acetate with nitrocellulose. 1,981,396; Nov. 20.
Staver, Harry B., Chicago, Ill. Dog racing apparatus. 1,981,678; Nov. 20.
Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,895; Nov. 20.
Steelman, James S. Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,896; Nov. 20.
Steinberger Bros. Glove Corporation. (See Chanut, Paul A., assignor.)
Steinle, Adolf, and O. Schreiber, Jena, Germany, assignors to the firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco", Venlo, Netherlands. Stabilized rangefinder. 1,981,529; Nov. 20.
Stem, Russell W., Bethlehem, Pa. Furnace control. 1,981,679; Nov. 20.
Stensgaard, William L., Chicago, Ill. Lettering device for display panels. 1,981,574; Nov. 20.
Stimpson, Edwin B., Company. (See Rau, Henry V., assignor.)
Stimson, Percy G., Dayton, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio. Stock control register. 1,981,205; Nov. 20.
Stiriss, Jacob D., Cleveland, Ohio, assignor to Durable Toy and Novelty Corporation, New York, N. Y. Moving picture projector. 1,981,829; Nov. 20.
Stock, Anthony T., Elmwood Park, Ill. Refrigeration apparatus. 1,981,606; Nov. 20.
Stoesser, Wesley C., and R. F. Marschner, assignors to The Dow Chemical Company, Midland, Mich. Sodium diphenyl-para-sulphonate and making same. 1,981,337; Nov. 20.
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stokes, Jos., Rubber Co. (See Martindell, Milton H., assignor.)
Strauss, Joseph B., San Francisco, Calif. Highway path indicator. 1,981,206; Nov. 20.
Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for gas-lift control. 1,981,477; Nov. 20.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Superstat Company. (See Smith, Hazor J., assignor.)
Surface Combustion Corporation. (See Beam, V. O., and Branche, assignors.)
Surgical Dressing, Inc. (See Rosenblatt, Samuel, assignor.)
Sussberg, Victor L., New York, N. Y. Slip. 1,981,760; Nov. 20.
Sutcliffe, Raymond, Cornwall, assignor to Firth Carpet Company, Firthcliffe, N. Y. Pile wire inserting means for looms. 1,981,478; Nov. 20.
Svanoe, Hans, Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dewaxing petroleum oil. 1,981,758. Nov. 20.
Svensson, Sjune, Hissmofors, Krokom, Sweden. Circulation process and device in sulphite cellulose digestion. 1,981,759; Nov. 20.
Swenson, Roy L., Washington, D. C., dedicated to the free use of the public. Increment measuring instrument. 1,981,713; Nov. 20.
Swift, George W., Jr., Inc. (See Swift, George W., jr., assignor.)
Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Machine for making corrugated paper board. 1,981,338; Nov. 20.
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope or container. 1,981,440; Nov. 20.
Tabozzi, Giacinto, Milan, Italy. Filter. 1,981,397; Nov. 20.
Takayanagi, Kenjiro. (See Nakajima, T., and Takayanagi.)
Tancred, William L. (See Mason, A. J., and Tancred.)
Tappan, Chester, assignor to General Talking Pictures Corporation, New York, N. Y. Sound-on-film recording camera. 1,981,207; Nov. 20.
Taylor, Ernest R., and H. B. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing an ester of tetrahydrofurfuryl alcohol. 1,981,398; Nov. 20.
Tefft, Ralph F. (See McGavack, J., and Tefft.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Teller, Jacob New Rochelle, and A. P. Schulz, assignors to Teller Stove Designing Corporation, New York, N. Y. Gas or electric cooking stove and range. 1,981,084; Nov. 20.
Teller Stove Designing Corporation. (See Teller, J., and Schulz, assignors.)
Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Oil burner control. 1,981,479; Nov. 20.
Texas Gulf Sulphur Company. (See Hamor, W. A., and Duecker, assignors.)
Texas Harvest Hat Company, Inc. (See Uriwal, Alfons, assignor.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Theodorsen, Theodore, Langley Field, Va. Analysis of electric currents by thermal effects. 1,981,007; Nov. 20.
Thomas, Doctor E., Fairmont, W. Va. Tire chain applying and removing mechanism. 1,981,291; Nov. 20.
Thomas, William, Bogota, N. J., assignor to Pneumercator Company, New York, N. Y. Level regulator for viscous liquids. 1,981,530; Nov. 20.
Thomson, Alfred M., East Orange, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Adjustable threaded member and locking same. 1,981,399; Nov. 20.
Thomson, John M., and J. F. Mulhern, New York, N. Y. Exercising appliance. 1,981,379; Nov. 20.
Thrower, William J., Minerva, Ohio. Plate or similar article. Des. 93,897; Nov. 20.
Tifft, Thomas D., Westfield, N. J., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,981,128; Nov. 20.
Timmermann, William F., Hempstead, N. Y. Telephone call reminder. 1,981,156; Nov. 20.
Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)

Tindale, Richard J., Denver, Colo. Hoisting table. 1,981,680; Nov. 20.
Tobin, Arthur L., Lynnfield Center, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Mechanical interlock for servo motors. 1,981,400; Nov. 20.
Todd, William, and A. J. Hallwood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Emulsifying agent. 1,981,292; Nov. 20.
Tolman, Charles P., Kew Gardens, assignor, by mesne assignments, to Columbia Appliance Corporation, New York, N. Y. Reclaiming or distilling apparatus. 1,981,480; Nov. 20.
Torrey, Edward L., Oakland, Calif. Furnace. 1,981,378; Nov. 20.
Torson, Martin G., Kansas City, Mo. Ice cream freezing tray. 1,981,008; Nov. 20.
Torson, Martin G., Kansas City, Mo. Ice cream freezing device. 1,981,009; Nov. 20.
Torson, Martin G., Kansas City, Mo. Ice cream freezing tray. 1,981,010; Nov. 20.
Townsend, Frank C., Lisbon Falls, Maine. Automobile headlight shield. 1,981,761; Nov. 20.
Tremblay, Ulysse, Lawrence, Mass. Magazine cradle. 1,981,762; Nov. 20.
Trico Products Corporation. (See Horton, E. C., and Hueber, assignors.)
Trico Products Corporation. (See Hueber, H., and Dykstra, assignors.)
Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
Tropsch, Hans, assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 1,981,129; Nov. 20.
True, Edwin S., Oak Park, Ill. Electrical device. 1,981,681; Nov. 20.
Trumbull Electric Manufacturing Company. (See Getchell, Benjamin E., assignor.)
Tursky, Charles M., Philadelphia, Pa. Fluid compressor. 1,981,481; Nov. 20.
Tweedie, Charles. (See Freeman, C. F., assignor.)
Uher, Edmond, Feldafing-on-the-Starnberger See, and L. Wenczler, Augsburg, Germany, assignors to Uhertype Aktiengesellschaft, Glarus, Switzerland. Control gear. 1,981,401; Nov. 20.
Uhertype Aktiengesellschaft. (See Uher, E., and Wenczler, assignors.)
Underwood, Carl M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating strands. 1,981,130; Nov. 20.
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Oil Company of California. (See Bray, U. B., Pollock, and Merrill, assignors.)
Union Oil Company of California. (See Northman, Edith M., assignor.)
Union Oil Company of California. (See Subkow, Philip, assignor.)
Union Steam Pump Company. (See Bird, John C., assignor.)
United-Carr Fastener Corporation. (See Carr, Moses F., assignor.)
United-Carr Fastener Corporation. (See Kimbell, Arthur W., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Shoe Machinery Corporation. (See Goddu, George, assignor.)
United Shoe Machinery Corporation. (See Lucey, Michael, assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Sherman, F. S., and Husler, assignors.)
United States Envelope Company. (See Swift, Willard E., assignor.)
United States, Government of the. (See Dunmore, Francis W., assignor.)
United States, Government of the. (See Isbell, Horace S., assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
United States Gypsum Company. (See Manske, Fred A. assignor.)
United States Gypsum Company. (See McNeil, William M., assignor.)
United Verde Copper Company. (See Ralston, O. C., and Miller, assignors.)
Universal Oil Products Company. (See Held, Jacob B., assignor.)
Universal Oil Products Company. (See Pyzel, Robert, assignor.)
Universal Oil Products Company. (See Tropsch, Hans, assignor.)
Universal Optical Corporation. (See Searles, Wayne S., assignor.)
Urbach, William H., Astoria, N. Y. Clothesline hanger. 1,981,482; Nov. 20.
Uriwal, Alfons, assignor to Texas Harvest Hat Company, Inc., Laredo, Tex. Straw helmet hat. Des. 93,898; Nov. 20.
Usadel, Mary M., Merrill, Wis. Tire changing device. 1,981,763; Nov. 20.
Valls, Aurelio, London, England. Water heating and infusion apparatus. 1,981,402; Nov. 20.
Van Mierlo, Stanislas, et al. (See Deakin, G., Schreiber, van Mierlo, de Fremery, Pulles, and Willemse.)
Van Woert, Kenneth B., Santa Clara County, Calif. Beater. 1,981,531; Nov. 20.
Van Woert, Kenneth B., jr., Santa Clara County, Calif. Dispensing the contents of collapsible tubes. 1,981,532; Nov. 20.
Varrelman, Albert G., Vineland, N. J. Target range. 1,981,293; Nov. 20.
Vaughn Machinery Company, The. (See McIlvried, E. J., and Bittman, assignors.)
Vernet, Sergius, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa. Automobile heater. 1,981,011; Nov. 20.
Viekers, Harry F. (See Mowat, Duane, assignor.)
Vierling Steel Works, et al. (See Owen, Fred E., assignor.)
Vier, Paul. (See Gérard, Léon, assignor.)
Vincent, Harvard B. (See Firestone, F. A., Abbott, and Vincent.)
Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Burning of cement, etc. 1,981,235; Nov. 20.
Vogler, Hermann, assignor to Schiess-Defries Aktiengeselischaft, Dusseldorf, Germany. Machine tool. 1,981,682; Nov. 20.
Vollenweider, Emil, Sacramento, Calif. Motion picture projector. 1,981,255; Nov. 20.
Von Kujawa, Gerhard. (See Hagedorn, M., and von Kujawa.)
Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Coffee urn or article of analogous nature. Des. 93,899; Nov. 20.
Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Coffee urn or article of analogous nature. Des. 93,900; Nov. 20.
Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Food warmer or article of analogous nature. Des. 93,901; Nov. 20.
Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,981,256; Nov. 20.
Voris, Russell T., assignor to The Manufacturers Equipment Company, Dayton, Ohio. Clay working machine. 1,981,257; Nov. 20.
Vreeland, Elmer L. (See Worley, John, jr., and Vreeland.)
Vrooman, Edward C., Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Aerial mast. 1,981,339; Nov. 20.
Wack, Henry K., assignor to J. I. Paulding, Inc., New Bedford, Mass. Adapter for electric lamp sockets. 1,981,816; Nov. 20.
Wagner, Karl F., Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J. Automatic die-casting apparatus. 1,981,380; Nov. 20.
Wagner, Karl F., Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J. Assuring the safe working of automatic pressure die-casting apparatus. 1,981,381; Nov. 20.
Wagner, Matthew, Los Angeles, Calif. Apparatus for making hollow articles. 1,981,131; Nov. 20.
Wagner, Paul E., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Tool for grinding or lapping cylindrical bores. 1,981,258; Nov. 20.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cleaner drum for cotton ginning machinery. 1,981,575; Nov. 20.
Wallace & Tiernan Company. (See Peet, Gerald D., assignor.)
Walsh, James F., South Orange, and K. Flynn, East Orange, N. J., assignors to Celluloid Corporation. Composition for noninflammable cellulosic film. 1,981,132; Nov. 20.
Walter, William P., Massillon, Ohio. Truss. 1,981,157; Nov. 20.
Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto ignition apparatus. 1,981,638; Nov. 20.
Wangen, Elmer M., Duluth, Minn. Card and envelope supporting tray. 1,981,294; Nov. 20.
Ward, Edward, Wewoka, Okla. Oil sand protector. 1,981,158; Nov. 20.
Waring, Charles E. (See Staud, C. J., and Waring.)
Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Electromagnetic friction device. 1,981,208; Nov. 20.
Warner Electric Brake Corporation. (See Warner, Arthur P., assignor.)
Warsop, Henry E., Nottingham, England. Rock drill and like implement. 1,981,764; Nov. 20.
Waters, Daniel V., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,981,133; Nov. 20.
Waters-Genter Company. (See Worthington, Everett, assignor.)
Weatherly, Everett P., jr., Houston, Tex., assignor to Standard Oil Development Company. Bottom hole sampling device. 1,981,817; Nov. 20.
Weaver, James A., jr. (See Blackburn, J., and Weaver.)
Weaver, Leo L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for twisting strands. 1,981,134; Nov. 20.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,981,483; Nov. 20.

Wedmore, Edmund B. (See Whitney, W. B., and Wedmore.)
Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. Des. 93,902; Nov. 20.
Wegener, Francis A., Gloucester, assignor to Welsbach Company, Gloucester City, N. J. Control device. 1,981,012; Nov. 20.
Wegener, Helen C., Tacoma, Wash. Wax paper holder and cutter. 1,981,013; Nov. 20.
Weidenhoff, Joseph, Inc. (See Shields, Bert W., assignor.)
Weigelt, Otto, Milwaukee, Wis. Beer cooler. 1,981,014; Nov. 20.
Weinand, Klaus, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone derivative. 1,981,295; Nov. 20.
Weiss, Jerome, New York, N. Y. Manufacture of surgical bandages carrying plaster of Paris. 1,981,607; Nov. 20.
Weiss, Samuel L., Brooklyn, N. Y. Vaporizer. 1,981,765; Nov. 20.
Weitzenkorn, Joseph W., Mount Lebanon, Pa. Surface coating castings. 1,981,403; Nov. 20.
Welsbach Company. (See Wegener, Francis A., assignor.)
Wenczler, Lajos. (See Uher, E., and Wenczler.)
Wentzell, Russell E., Greensburg, Pa. Insect trap. 1,981,683; Nov. 20.
Werring, Francis W., assignor to Kitson Company, Philadelphia, Pa. Fluid temperature limiting electric cut-out device. 1,981,484; Nov. 20.
Wertz, Daniel L., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism for internal combustion engines. 1,981,209; Nov. 20.
Wertz, Roy O., Cleveland Heights, assignor to The Ohio Electric Mfg. Company, Cleveland, Ohio. Motor control system. 1,981,259; Nov. 20.
West Point Manufacturing Company. (See Piper, Frank R., assignor.)
Western-Austin Company. (See Green, J. B., and Rathmell, assignors.)
Western Electric Company. (See Bureau, Arthur A., assignor.)
Western Electric Company. (See Bureau, A. A., and Clemmons, assignors.)
Western Electric Company. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse, assignors.)
Western Electric Company. (See Larsen, Einer W., assignor.)
Western Electric Company. (See Moller, Kasper F., assignor.)
Western Electric Company. (See Schoof, Arthur W., assignor.)
Western Electric Company. (See Underwood, Carl M., assignor.)
Western Electric Company. (See Waters, Daniel V., assignor.)
Western Electric Company. (See Weaver, Leo L., assignor.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Nozzle attachment for powder filling machines. 1,981,485; Nov. 20.
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, Frank E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pearcy, Noah C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)
Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Apparatus for charging miners' lamps. 1,981,210; Nov. 20.
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Turret index and suction control for cigar machines. 1,981,486; Nov. 20.
Wherry, Samuel W., Altoona, Pa. Automatic control for car retarders. 1,981,487; Nov. 20.
Whitall Tatum Company. (See Steelman, James S., assignor.)
White, Frank R., Glenn Dale, Md. Airplane. 1,981,441; Nov. 20.
White, Frank R., Glenn Dale, Md. Helicopter. 1,981,442; Nov. 20.
White, L. C., Company. (See Schuster, Louis, assignor.)
White Metal Manufacturing Company. (See Witte, Paul, assignor.)
Whiteley, James M., jr. (See Wiezevich, P. J., and Whiteley.)
Whitesell, John C., jr. (See Ragsdale, E. J. W., and Whitesell.)
Whitner, Thomas C., jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for counter-current treatment of two immiscible liquids. 1,981,818; Nov. 20.
Whitney, Willis R., and E. B. Wedmore, assignors to The British Electrical and Allied Industries' Research Association, London, England. Electrical circuit breaker. 1,981,404; Nov. 20.
Wichmann, John C., Chicago, Ill. Air conditioner. 1,981,159; Nov. 20.
Wiezevich, Peter J., Elizabeth, and J. M. Whiteley, jr., Roselle, N. J., assignors to Standard Oil Development Company. Initiating polymerization reactions. 1,981,819; Nov. 20.
Wikander, Anders J., and H. E. Ohrn, Brooklyn, N. Y. Rake cleaning device. 1,981,488; Nov. 20.
Willemse, Carolus A., et al. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willeinse.)
Williams, Joseph S., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electric condenser. 1,981,533; Nov. 20.
Williams, Owen E., Cleveland, Ohio. Duplicating method and apparatus. 1,981,794; Nov. 20.
Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for producing diphenyl. 1,981,015; Nov. 20.
Wilms Gustav O., and A. J. Dawe, assignors to Allen-Bradley Company, Milwaukee, Wis. Electric switch. 1,981,534; Nov. 20.
Wilson, Allen B., assignor to Acme Steel Company, Chicago, Ill. Reenforced pavement. 1,981,489; Nov. 20.
Wilson, Fred D. (See Beatty, W. T., and Wilson.)
Wilson, Wood L. (See Spiegel, E. R., and Wilson.)
Winckler, Gustav, assignor, by mesne assignments, to the firm Dortmund-Hoerder Hüttenverein Aktiengesellschaft, Dortmund, Germany. Burner for liquid fuel, especially for cutting and welding under water. 1,981,766; Nov. 20.
Winsor, James G., Ann Arbor, Mich. Trailer hitch. 1,981,443; Nov. 20.
Winemold Company, The. (See Murphy, Daniel H., assignor.)
Wingfoot Corporation. (See Carter, R. S., and Dick, assignors.)
Wingfoot Corporation. (See Morse, Herman E., assignor.)
Wingfoot Corporation. (See Woodward, Alva W., assignor.)
Wired Radio, Inc. (See Hund, August, assignor.)
Witte, Paul, New Milford, assignor to White-Metal Manufacturing Company, Hoboken, N. J. Feeding and stripping mechanism for tube-forming machines. 1,981,490; Nov. 20.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Supporting structure for a roll projection screen. 1,981,444; Nov. 20.
Wohl Shoe Company. (See Lipscomb, Vergil C., assignor.)
Wojowski, Nellie, et al. (See Czarnecki, Walter V., jr., assignor.)
Wolfe, Ernest H. assignor to C. De Witt, Detroit, Mich. Combination poker. 1,981,491; Nov. 20.
Wolff, Lewis E. (See Greenwald, P., and Wolff.)
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Wood, Robert H., guardian. (See Wood, Rodney J., incompetent.)
Wood, Rodney J., incompetent, by R. H. Wood, guardian, Dayton, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Filing tray. 1,981,795; Nov. 20.
Wood, Walter. (See Creek, J. O., and Wood, assignors.)
Wooddell, Fred L., Kansas City, Mo. Toast holder. 1,981,016; Nov. 20.
Woodruff, Jacob W., Cleveland, Ohio. Clip. 1,981,296; Nov. 20.
Woodward, Alva W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Dual wheel. 1,981,639; Nov. 20.
Woolfenden, Frank J., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid pressure regulator. 1,981,576; Nov. 20.
Worley & Co. (See Worley, John, jr., and Vreeland, assignors.)
Worley, John, jr., Pasadena, and E. L. Vreeland, Los Angeles, assignors to Worley & Co., Pico, Calif. Stool. 1,981,017; Nov. 20.
Worthington, Everett, Chicago, Ill., assignor to Waters-Genter Company, Minneapolis, Minn. Toaster. Des. 93,903; Nov. 20.
Wortley, Ralph S., Bedford, N. Y. Tank. 1,981,018; Nov. 20.
Wrede, Hans, Berlin-Dahlem, Germany, assignor to The Paterson Parchment Paper Company, Passaic, N. J. Manufacturing waterproof textiles, papers, cardboards, and pasteboards, and finished containers made from those. 1,981,405; Nov. 20.
Wright, James R. (See Ralston, A. W., and Wright.)
Wright, Sumner. (See Mitchell, D., and Wright.)
Wynne, Robert J., Bellwood, assignor to I. D. Porter, River Forest, Ill. Bottle handling mechanism. 1,981,684; Nov. 20.
Yager, George F., assignor to The Bunting Brass Bronze Company, Toledo, Ohio. Turning machine. 1,981,260; Nov. 20.
Yassay, Joseph, McKees Rocks, assignor to The McKay Company, Pittsburgh, Pa. Glider. Des. 93,904; Nov. 20.
Yost, Winfield H., Montreal, Quebec, Canada. Dump car. 1,981,714; Nov. 20.
Young, D'Arcy A., assignor to Eastman Kodak Company, Rochester, N. Y. Paper feed for automatic projection printers. 1,981,406; Nov. 20.
Younghusband, J. L. (See Hoffman, Raoul J., assignor.)
Youngstown Steel Door Company, The. (See McWilliams, J. P., and Ditchfield, assignors.)
Yssel de Schepper, Adam J. A., The Hague, Netherlands. Rubber manufacture. 1,981,691; Nov. 20.
Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Oil-filled high voltage cable. 1,981,535; Nov. 20.
Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien Geselischaft, Cologne-Mulheim, Germany. High tension electric cable. 1,981,536; Nov. 20.

Zareko, John A., Brooklyn, N. Y. Skate. 1,981,211; Nov. 20.

Zeller, Theodore, assignor of one-half to Albert Kaeschele, Chicago, Ill. Bed for automotive vehicles. 1,981,212; Nov. 20.

Zellweger, Walter, St. Louis, Mo. Propeller type air circulating fan. 1,981,767; Nov. 20.

Zetmeir, Emil A., Topeka, Kans. Window weather guard. 1,981,019; Nov. 20.

Zieschang, Carl A., Thorndale, Tex. Tractor middle buster hitch. 1,981,768; Nov. 20.

Zimmerman, William R., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Shutter. 1,981,407; Nov. 20.

Zimmermann, Fritz, Newark, and H. E. Zschiegner, Woodbridge, assignors to Baker & Co., Inc., Newark, N. J. Electrodepositing rhodium, bath and preparing the same. 1,981,820; Nov. 20.

Zschiegner, Herbert E. (See Zimmermann, F., and Zschiegner.)

Zulli, Maurice, Paris, France. Permutation lock. 1,981,408; Nov. 20.

Zwermann, Carl H., Robinson, Ill., deceased; H. and C. H. Zwermann, jr., executrix and executor. Water closet bowl. 1,981,020; Nov. 20.

Zwermann, Carl H., jr., executor. (See Zwermann, Carl H.)

Zwermann, Helene, executrix. (See Zwermann, Carl H.)

Zwierzynski, Alex, New York, assignor to H. Hyman, Brooklyn, N. Y. Electric switch. 1,981,213; Nov. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid, Producing phosphoric. C. H. Keller. 1,981,145; Nov. 20.

Acids, Production of aralkylaryl carboxylic. A. O. Jaeger and L. C. Daniels. 1,981,360; Nov. 20.

Acids, Production of carboxylic acids. G. B. Carpenter. 1,981,801; Nov. 20.

Actuating mechanism for dough dividers. F. G. Ricker. 1,981,151; Nov. 20.

Adapter for electric lamp sockets. H. K. Wack. 1,981,816; Nov. 20.

Addressing machine. H. C. Osborn. 1,981,001; Nov. 20.

Air, Apparatus for conditioning. G. D. Harris. 1,981,595; Nov. 20.

Air compressing apparatus. F. A. E. Jenkins. 1,980,997; Nov. 20.

Air conditioner. J. C. Wichmann. 1,981,159; Nov. 20.

Aircraft. R. J. Hoffman. 1,981,700; Nov. 20.

Aircraft having sustaining rotors. A. E. Larsen. 1,980,999; Nov 20.

Aircraft having sustaining rotors and operating the same. H. S. Campbell. 1,980,980; Nov. 20.

Airplane. F. R. White. 1,981,441; Nov. 20.

Airplane, Multimotored. A. H. Lougbead. 1,981,237; Nov. 20.

Analysis of electric currents by thermal effects. T. Theodorsen. 1,981,007; Nov. 20.

Anchor, Tufting. H. V. Rau. 1,981,070; Nov. 20.

Annealing and pickling plant. A. Fritz. 1,981,411; Nov. 20.

Antenna system. E. Gellini. 1,981,024; Nov. 20.

Anthraquinone derivative. K. Weinand. 1,981,295; Nov. 20.

Aperture plate for motion picture projection machines. A. Dina. 1,981,033; Nov. 20.

Apparel protector. J. D. Bowen. 1,981,775; Nov. 20.

Arsenate of zinc and the product, Manufacturing. O. F. Hedenburg. 1,981,044; Nov. 20.

Article of manufacture. W. F. Schmalz. 1,981,334; Nov. 20.

Attaching clip. B. E. Balduf. 1,981,217; Nov. 20.

Auditoriums and the like, Method of and system for ventilating and conditioning. W. H. Carrier. 1,981,164; Nov. 20.

Automatic closing fire valve. G. W. Schultz. 1,981,200; Nov. 20.

Automatic machine for processing thermionic tubes and the like. H. W. Parker and J. R. Eakins. 1,981,149; Nov. 20.

Automobile heater. S. Vernet. 1,981,011; Nov. 20.

Automobile jack. O. Dowe. 1,981,165; Nov. 20.

Awning construction. H. P. Gronbech. 1,980,991; Nov. 20.

Axle, Single wheel. F. Prusa. 1,981,325; Nov. 20.

Back-fire release for internal combustion engines. W. L. McGrath. 1,981,120; Nov. 20.

Back-up tool. H. I. Masters and T. Cunningham. 1,981,656; Nov. 20.

Bag: *See*—
Curing bag. Moth bag.

Bait, Artificial. C. A. Clark. 1,981,091; Nov. 20.

Ball agitating device for pin ball games. B. E. Mills. 1,981,462; Nov. 20.

Balloon, Uninflammable. J. Letourneur. 1,981,600; Nov. 20.

Band moistener. J. A. Neumair. 1,981,465; Nov. 20.

Banding machine. F. X. Malocsay. 1,981,366; Nov. 20.

Bandage. W. D. Lloyd. 1,981,561; Nov. 20.

Bandages carrying plaster of Paris, Manufacture of surgical. J. Weiss. 1,981,607; Nov. 20.

Barium sulphate, Production of. A. L. D. d'Adrian. 1,981,094; Nov. 20.

Basket. C. C. Nuckols. 1,981,187; Nov. 20.

Bath, Acid hardening fixing. H. D. Russell. 1,981,391; Nov. 20.

Bearing for coffee roasters. P. A. Dubus. 1,981,096; Nov. 20.

Bearing for measuring appliances, Elastic-knife-edge. K. V. Hieber. 1,981,105; Nov. 20.

Bearings, Making journal. W. E. McCullough. 1,981,276; Nov. 20.

Beater. K. B. Van Woert. 1,981,531; Nov. 20.

Beater washer. W. E. Dodge. 1,981,542; Nov. 20.

Bed for automotive vehicles. T. Zeller. 1,981,212; Nov. 20.

Bed lift. F. T. Ridley. 1,981,666; Nov. 20.

Beer cooler. O. Weigelt. 1,981,014; Nov. 20.

Belt. R. S. Carter and H. G. Dick. 1,981,644; Nov. 20.

Belt for cigarette machines, Two-speed collector. W. B. Bronander. Re19,375; Nov. 20.

Bicycle. D. V. McIlwain. 1,981,737; Nov. 20.

Billfold. J. P. Wege. Des. 93,902; Nov. 20.

Bin structure, Ventilated. F. J. Kreutzer. 1,981,422; Nov. 20.

Block: *See*—
Interlocking partition block.

Board and making same, Pulp. H. L. Becher. 1,980,979; Nov. 20.

Board making machine, Laminated. L. T. Murphy. 1,981,321; Nov. 20.

Boiler: *See*—
Ham boiler.

Book cover. F. J. Osuch. 1,981,280; Nov. 20.

Bottle. J. S. Steelman. Des. 93,895–6; Nov. 20.

Bottle capping apparatus. C. Namur. 1,981,565; Nov. 20.

Bottle carrier. S. W. Johnson. 1,981,647; Nov. 20.

Bottle device, Combined seltzer water and syrups dispensing. M. Apfelbaum. 1,981,446; Nov. 20.

Bottle handling apparatus. J. P. Benoit. 1,981,641; Nov. 20.

Bottle handling mechanism. R. J. Wynne. 1,981,684; Nov. 20.

Bottle or similar container. H. R. McDonald. Des. 93,881; Nov. 20.

Bottles and jars, Apparatus for handling. J. P. Benoit. 1,981,642; Nov. 20.

Bottom hole sampling device. B. P. Weatherly, jr. 1,981,817; Nov. 20.

Box: *See*—
Cardboard box. Lighting unit box.
Fire box.

Braiding machine. E. K. Standish. 1,981,377; Nov. 20.

Brake head. C. C. Baker and W. H. Baselt. 1,981,023; Nov. 20.

Brake linkage. E. R. Evans. 1,981,617; Nov. 20.

Brake mechanism, Vehicle. V. G. Apple. 1,980,974; Nov. 20.

Brake tester, Automatic. H. H. Semmes. 1,981,474; Nov. 20.

Braking apparatus, Hydraulic. E. F. Lowcke. 1,981,653; Nov. 20.

Bread, Apparatus for banding sliced. G. C. Goeckeler, jr. 1,981,503; Nov. 20.

Brick, Sill. R. Rimmer. 1,981,327; Nov. 20.

Brush for teeth and the like, Electric. V. Conti. 1,981,688; Nov. 20.

Buck for ironing machines. N. L. Etten. 1,981,616; Nov. 20.

Buckle. H. Fortman. Des. 93,869; Nov. 20.

Building. F. J. Kreutzer. 1,981,418–19; Nov. 20.

Building construction. J. J. Duttweiler. 1,981,166; Nov. 20.

Building construction. F. A. Manske. 1,981,239; Nov. 20.

Building construction. F. W. Pfeifer. 1,981,661; Nov. 20.

Bulldozer. J. R. Ritchie. 1,981,287; Nov. 20.

Bumper, Door. I. D. Perry. 1,981,283; Nov. 20.

Burner: *See*—
Gas burner. Tire tread burner.

Burner assembly. C. J. Levey. 1,981,602; Nov. 20.

Burner control, Oil. E. J. Te Pas. 1,981,479; Nov. 20.

Burner for liquid fuel especially for cutting and welding under water. G. Winckler. 1,981,766; Nov. 20.

Buster lead attachment for tractors. B. Ganaway. 1,981,228; Nov. 20.

Button, Pivot back. L. Schuster. 1,981,813; Nov. 20.

Cabinet corner construction. H. Berg. 1,981,494; Nov. 20.

Cable. P. H. Chase. 1,981,612; Nov. 20.

Cable connector. J. B. Miller. 1,981,460; Nov. 20.

Cable, High tension electric. G. Zapf. 1,981,536; Nov. 20.

Cable, Oil-filled high voltage. G. Zapf. 1,981,535; Nov. 20.

Cables, Manufacture of stranded, electric multi-core. A. Rohs. 1,981,390; Nov. 20.

Calcium lactobionate, Preparation of. H. S. Isbell. 1,980,996; Nov. 20.

Calculating machine. C. M. F. Friden. 1,981,226; Nov. 20.

Camera, Sound-on-film recording. C. Tappan. 1,981,207; Nov. 20.

Cap, Metal screw. H. Hermani. 1,981,414; Nov. 20.

Cap, Sugar bowl. F. H. Bitner. Des. 93,864; Nov. 20.

Caps to the openings of receptacles such as bottles, Method of and machine for applying. R. Landau. 1,981,111; Nov. 20.

Car, Dump. W. H. Yost. 1,981,714; Nov. 20.

Car wall, Railway. V. E. Sisson. 1,981,814; Nov. 20.

Carbide material, Hard cemented. G. J. Comstock. 1,981,719; Nov. 20.

Carbon dioxide, Apparatus for the production of solid. P. Stapp. 1,981,676; Nov. 20.

Carbon dioxides, Producing solid. P. Stapp. 1,981,675; Nov. 20.

Carboy container. P. A. Rossa. 1,981,812; Nov. 20.

Carburetor. W. H. Weber. 1,981,483; Nov. 20.
Cardboard box. H. L. Greve. 1,981,836; Nov. 20.
Carrier: *See*—
Bottle carrier.
Carton, Chewing gum. J. McCollum. Des. 93,880; Nov. 20.
Case: *See*—
Display case. Refrigerator display case.
Cash register. E. J. von Pein. 1,981,256; Nov. 20.
Casing for an electric toaster or the like. E. S. Preston. Des. 93,889; Nov. 20.
Casing for gas supplying apparatus. G. D. Peet. Des. 93,886; Nov. 20.
Casing head equipment for bore-holes or wells. L. M. C. Seamark. 1,981,431; Nov. 20.
Caster. E. Harris. 1,981,728; Nov. 20.
Castings, Surface coating. J. W. Weitzenkorn. 1,981,403; Nov. 20.
Cathode ray tube. T. Nakajima and K. Takayanagi. 1,981,322; Nov. 20.
Cement, etc., Burning of. M. Vogel-Jorgensen. 1,981,235; Nov. 20.
Cement mold. H. J. Siems. 1,981,203; Nov. 20.
Cereals, Husking. A. Barra. 1,981,409; Nov. 20.
Chain: *See*—
Tire chain.
Chair: *See*—
Foldable chair.
Chair. H. E. Bennett. 1,981,579; Nov. 20.
Chair back. J. S. Opferman. Des. 93,885; Nov. 20.
Charge sizer. W. H. Schussler. 1,981,473; Nov. 20.
Check protecting device. L. Pollock. 1,981,662; Nov. 20.
Check writer and protector, Portable. W. Melin. 1,981,459; Nov. 20.
Chenille, Manufacture of. J. Morton. 1,981,741; Nov. 20.
Child's chair. F. W. Evans. Des. 93,867; Nov. 20.
Chisel welder, Step. E. J. W. Ragsdale and J. C. Whitesell, jr. 1,981,708; Nov. 20.
Cigar bunch forming. R. E. Rundell. 1,981,469; Nov. 20.
Cigarette making machine, Hand operated. E. W. Brunton. 1,981,137; Nov. 20.
Cigarette rolling device. N. K. Fougner. 1,980,989; Nov. 20.
Cigarette vending machine. W. H. Block. 1,981,135; Nov. 20.
Circuit breaker. H. L. Hartzell. 1,891,042; Nov. 20.
Circuit breaker. H. L. Rawlins. 1,981,709; Nov. 20.
Circuit breaker, Electrical. W. B. Whitney and E. B. Wedmore. 1,981,404; Nov. 20.
Circuits, Amplifier. W. V. Roberts. 1,981,071; Nov. 20.
Circulation process and device in sulphite cellulose digestion. S. Svensson. 1,981,759; Nov. 20.
Clamp: *See*—
Form clamp.
Mattress clamp. Rod or pipe clamp.
Clamp. H. G. Francis. 1,981,499; Nov. 20.
Clamping mechanism for permanent molds. S. W. Jackson. 1,981,596; Nov. 20.
Clasp, Necktie. E. S. Mix. 1,981,740; Nov. 20.
Clay working machine. K. R. Forry. 1,981,265; Nov. 20.
Clay working machine. R. T. Voris. 1,981,257; Nov. 20.
Cleaner and liquid dispensing apparatus, Combined. T. Cappa. 1,981,611; Nov. 20.
Cleaner drums for cotton ginning machinery. J. J. Wallace. 1,981,575; Nov. 20.
Cleaning apparatus and utilizing filter aid in connection therewith, Dry. J. Gans. 1,981,645; Nov. 20.
Cleaning device. H. A. Nelson. 1,981,744; Nov. 20.
Climber. J. A. Serene. 1,981,755; Nov. 20.
Clip: *See*—
Attaching clip.
Clip. J. W. Woodruff. 1,981,296; Nov. 20.
Closet bowl, Water. C. H. Zwermann. 1,981,020; Nov. 20.
Cloth measuring drum. J. W. Hogue. 1,981,509; Nov. 20.
Clothes drying rack. A. C. Heiser. 1,981,268; Nov. 20.
Clothesline hanger. W. H. Urbach. 1,981,482; Nov. 20.
Clothes washer and drier, Combined. P. E. Geldhof. 1,981,501; Nov. 20.
Clutch: *See*—
Friction clutch.
Clutch. G. I. Goodwin. 1,981,505; Nov. 20.
Clutch mechanism, Adjustable. G. I. Goodwin. 1,981,504; Nov. 20.
Coaster. R. S. Merriman. 1,981,627; Nov. 20.
Coffee making apparatus and method. P. Greenwald and L. E. Wolff. 1,981,171; Nov. 20.
Coin controlled apparatus. E. L. Lipp. 1,981,273; Nov. 20.
Coke and producer gas, Manufacture of. W. A. Riddell. 1,981,003; Nov. 20.
Collector for sheets of paper. I. Gnrwick. 1,981,621; Nov. 20.
Collet chuck. C. W. Olson. 1,981,660; Nov. 20.
Color wedges, Method and apparatus for making. A. D. Slack. 1,981,437; Nov. 20.
Combination receptacle. A. Ondricek. 1,981,604; Nov. 20.
Combination tool. G. Keller. 1,981,048; Nov. 20.
Composite article and making the same. F. H. Benge. 1,981,771; Nov. 20.
Composition for noninflammable cellulosic film. J. F. Walsh and K. Flynn. 1,981,132; Nov. 20.
Composition for softening textile goods. G. Kalischer, J. Nusslein, and R. Müller. 1,981,108; Nov. 20.
Composition of matter and preparing the same. J. N. Roche. 1,981,123; Nov. 20.
Composition of matter for making a building unit. A. Hede. 1,981,043; Nov. 20.
Composition of matter for treating aluminum alloys. W. Bonsack. 1,981,798; Nov. 20.
Compounds of the carbazole series. A. Bergdolt and A. Schmelzer. 1,981,301; Nov. 20.
Condensation products of fatty acids and monoethanolamine, Sulphated. J. W. Orelup. 1,981,792; Nov. 20.
Condenser: *See*—
Electric condenser. Electrolytic condenser.
Connecter: *See*—
Cable connecter. Wire connecter.
Electric connecter.
Connecting rod. L. A. Berland. 1,981,609; Nov. 20.
Container: *See*—
Carboy container. Toothbrush container.
Foldable container. Transportation container.
Plywood container.
Container. W. M. Holloway. 1,980,995; Nov. 20.
Container. C. M. MacChesney. 1,981,518; Nov. 20.
Container for molten metals. H. Hill. 1,981,699; Nov. 20.
Container for shaving accessories. M. B. Solomon. 1,981,674; Nov. 20.
Control device. F. A. Wegener. 1,981,012; Nov. 20.
Control for car retarders, Automatic. S. W. Wherry. 1,981,487; Nov. 20.
Control gear. E. Uher and L. Wenczler. 1,981,401; Nov. 20.
Control mechanism. M. H. Edmondson. 1,981,591; Nov. 20.
Control mechanism for fishing reels. G. S. Scott. 1,981,430; Nov. 20.
Controlling device for engines. J. Kuttner. 1,981,734; Nov. 20.
Controlling system. W. Otto. 1,981,827; Nov. 20.
Controls for vehicle direction indicators, Electric. A. J. Schmitt. 1,981,671; Nov. 20.
Cooker, Egg. J. Baggiolini. 1,981,578; Nov. 20.
Cooker, Pressure. C. Nelson. Des. 93,882; Nov. 20.
Cooky molding machine. H. E. Nelson. 1,981,186; Nov. 20.
Cooler: *See*—
Beer cooler. Water cooler.
Copper, Hardening or tempering of. J. V. Chicon. 1,981,718; Nov. 20.
Cordage or twine, Composite. M. C. Dodge. 1,981,312; Nov. 20.
Cork pulling device. E. R. Collette. 1,981,781; Nov. 20.
Coupler. E. P. Kinne. 1,981,179; Nov. 20.
Coupling: *See*—
Pipe coupling.
Coupling apparatus, High frequency. M. Osnos. 1,981,066; Nov. 20.
Cover: *See*—
Book cover.
Cover for leaf springs. G. W. Crabtree. 1,981,448; Nov. 20.
Covering attachment for planters. S. E. Severtson. 1,981,393; Nov. 20.
Covers to automotive vehicle springs, Method and machine for applying metal. J. Brown. 1,981,162; Nov. 20.
Cradle, Magazine. U. Tremblay. 1,981,762; Nov. 20.
Crossing structure. A. S. Jones. 1,981,361; Nov. 20.
Curing bag. C. M. Semler. 1,981,201; Nov. 20.
Curtain support. G. W. Dover. 1,981,543; Nov. 20.
Cut-out device, Fluid temperature limiting electric. F. W. Werring. 1,981,484; Nov. 20.
Cutter: *See*—
Shingle cutter.
Cutter salvage machine. F. J. Aker. 1,981,445; Nov. 20.
Decomposition of rare earth metal bearing ores. R. Schulze. 1,981,126; Nov. 20.
Decorative article. L. Pollock. 1,981,663; Nov. 20.
Detergent unit. S. Rosenblatt. 1,981,249; Nov. 20.
Die-casting apparatus, Assuring the safe working of automatic pressure. K. F. Wagner. 1,981,381; Nov. 20.
Die-casting apparatus, Automatic. K. F. Wagner. 1,981,380; Nov. 20.
Dinhenyl, Apparatus for producing. W. H. Williams. 1,981,015; Nov. 20.
Dispenser: *See*—
Liquid dispenser.
Dispensing and distributing apparatus for packaged and the like goods. R. R. De Bussey. 1,981,783; Nov. 20.
Dispensing means. F. J. Krentzer. 1,981,421; Nov. 20.
Display case. H. A. Albeit. 1,980,973; Nov. 20.
Display device. W. L. Fuchs. 1,981,227; Nov. 20.
Display form or similar article. W. J. De Witt. Des. 93,866; Nov. 20.
Display structure, Adjustable. T. J. Donovan, jr. 1,981,724; Nov. 20.
Ditch liner, Bituminous. D. I. Gardner. 1,981,788; Nov. 20.
Dog racing apparatus. H. B. Staver. 1,981,678; Nov. 20.
Door construction, Cabinet. W. R. Rix. 1,981,710; Nov. 20.
Door control, Electric. H. C. Blodgett. 1,981,026; Nov. 20.

Doorlock for hollow metal doors. W. R. Schlage. 1,981,280; Nov. 20.
Door unit for sectional partitions, Adjustable. T. V. Balch and J. A. Bohnsack. 1,981,538; Nov. 20.
Dowel-making machine. A. Margelis. 1,981,183; Nov. 20.
Draft gear. E. P. Kinne and F. H. Kayler. 1,981,180; Nov. 20.
Drawer slide, Extension. J. Pipe. 1,981,246; Nov. 20.
Dress. P. Helt. Des. 93,872; Nov. 20.
Drier and method for the manufacture of gelatinous substances. T. K. Lowry. 1,981,806; Nov. 20.
Drilling mechanism. W. A. Smith, sr. 1,981,475; Nov. 20.
Driving mechanism. E. R. Frost. 1,981,167; Nov. 20.
Driving mechanism. B. Kačer and M. Nohel. 1,981,805; Nov. 20.
Driving mechanism for steering wheels of motor vehiles. A. W. Herrington. 1,981,173; Nov. 20.
Dual wheel. A. W. Woodward. 1,981,639; Nov. 20.
Duplicating method and apparatus. O. E. Williams. 1,981,794; Nov. 20.
Dust collector for drills. S. Price. 1,981,570; Nov. 20.
Dust removal device. T. F. Hatch. 1,981,356; Nov. 20.
Dust remover for scrap bunch cigar machines. J. P. Durning. 1,981,497; Nov. 20.
Dyestuff mixture. J. Mueller. 1,981,242; Nov. 20.
Earth bore surveying instrument. F. Rieber. 1,981,665; Nov. 20.
Edge guard. A. A. Partner. 1,981,747; Nov. 20.
Ejector for perforating machines. J. F. Ryan. 1,981,199; Nov. 20.
Elbow-fittings for interconnecting flush-tanks and toilet-bowls, Telescopic. E. A. Pope. 1,981,247; Nov. 20.
Elbow for pneumatic conveyers, Flexible. J. N. Fender. 1,981,099; Nov. 20.
Electric apparatus. C. I. McNeil. 1,981,738; Nov. 20.
Electric condenster. J. S. Williams. 1,981,533; Nov. 20.
Electric connecter. H. J. C. Pearson. 1,981,753; Nov. 20.
Electric control device. C. W. Kuhn. 1,981,555; Nov. 20.
Electric discharge apparatus. H. J. Nolte and E. D. McArthur. 1,981,524; Nov. 20.
Electric discharge device. V. L. Ronci and C. Depew. 1,981,669; Nov. 20.
Electric grounding connecter. C. H. Bissell. 1,981,796; Nov. 20.
Electric induction furnace. E. F. Northrup. 1,981,631; Nov. 20.
Electric motor, Non-self starting synchronous. S. Mazur. 1,981,000; Nov. 20.
Electric switch. H. E. Norviel. 1,981,064; Nov. 20.
Electric switch. G. O. Wilms and A. J. Dawe. 1,981,534; Nov. 20.
Electric switch. A. Zwierzynski. 1,981,213; Nov. 20.
Electric waves, Neutralizing disturbing. G. Lohrmann. 1,981,056; Nov. 20.
Electric wiring system. D. H. Murphy. 1,981,742; Nov. 20.
Electrical control system. J. G. Reid. 1,981,002; Nov. 20.
Electrical device. E. S. True. 1,981,681; Nov. 20.
Electrical disturbances, Reducing. D. G. McCaa. 1,981,457; Nov. 20.
Electrical indicating instrument and selector switch, Combined. E. G. Haven. 1,981,548; Nov. 20.
Electrical precipitation. A. W. Knight. 1,981,455; Nov. 20.
Electrical precipitator. H. A. Poillon. 1,981,754; Nov. 20.
Electrode for electron discharge devices. E. A. Giard. 1,981,620; Nov. 20.
Electrodes, Coating. G. E. Long. 1,981,652; Nov. 20.
Electrolytic cell. V. Engelhardt and N. Schönfeldt. 1,981,498; Nov. 20.
Electrolytic condenser. H. F. Fruth. 1,981,352; Nov. 20.
Electromagnetic friction device. A. P. Warner. 1,981,208; Nov. 20.
Electron discharge device. V. L. Ronci. 1,981,668; Nov. 20.
Elevator control system. F. E. Lewis. 1,981,601; Nov. 20.
Elevator lubricator. E. R. McKenzie. 1,981,277; Nov. 20.
Emulsifier. D. R. Davis. 1,981,031; Nov. 20.
Emulsifying agent. W. Todd and A. J. Hallwood. 1,981,292; Nov. 20.
Engine: *See*—
Internal combustion engine.
Engine. H. E. Bucklen. 1,981,610; Nov. 20.
Engine for steam-driven locomotives, Auxiliary. R. Langner and L. Hladik. 1,981,181; Nov. 20.
Engine hood, Automobile. G. A. Conarroe. 1,981,093; Nov. 20.
Engine lubrication. E. R. Spiegel and W. L. Wilson. 1,981,290; Nov. 20.
Envelope or container. W. E. Swift. 1,981,440; Nov. 20.
Ester composition containing an ester of tetrahydrofurfuryl alcohol, Cellulose organic. E. R. Taylor and H. B. Smith. 1,981,398; Nov. 20.
Exercising appliance. J. M. Thomson and J. F. Mulhern. 1,981,379; Nov. 20.
Exhaust and apparatus therefor. H. J. Nolte. 1,981,523; Nov. 20.
Extractor: *See*—
Fruit juice extractor.
Extractor. P. E. Geldhof and W. A. Papworth. 1,981,502; Nov. 20.
Eye device for figure toys. F. H. Schavoir. 1,981,333; Nov. 20.
Eyeglass construction. G. E. Nerney. 1,981,464; Nov. 20.
Eyeglass construction. G. E. Nerney. 1,981,706; Nov. 20.
Eyeglass lens and making same. N. M. Stanley. 1,981,815; Nov. 20.
Eyelet, Shoe lacing. J. A. Brent. 1,981,087; Nov. 20.
Eye-testing apparatus. J. W. Smith. 1,981,438; Nov. 20.
Fabric: *See*—
Knitted fabric.
Fabric, Apparatus for cleaning. R. A. Hetzer. 1,981,234; Nov. 20.
Fan, Propeller type air circulating. W. Zellweger. 1,981,767; Nov. 20.
Fastening-inserting machine. G. Goddu. 1,981,037; Nov. 20.
Faucet. W. C. Buttner. 1,981,496; Nov. 20.
Feed control for flying shear. F. C. Biggert, jr. 1,981,382; Nov. 20.
Feed, Method and apparatus for storing and dispensing. F. J. Kreutzer. 1,981,417; Nov. 20.
Feed, storing and dispensing. J. G. Shodron. 1,918,433; Nov. 20.
Feeding and stripping mechanism for tube-forming machines. P. Witte. 1,981,490; Nov. 20.
Feeding means for glass tube manipulating machine. J. Dichter. 1,981,692; Nov. 20.
Fence post. G. F. Clark. 1,981,447; Nov. 20.
Fender, Marine. C. T. Lyons. 1,981,182; Nov. 20.
Fertilizer distributor. E. M. Cole. 1,981,223; Nov. 20.
Fibrous materials for building elements, Impregnating. K. Erdmann. 1,981,592; Nov. 20.
Filaments, Stretching. R. Etzkorn. 1,981,351; Nov. 20.
Filling device. C. G. Butler. 1,981,495; Nov. 20.
Film feeding mechanism. D. Mowat. 1,918,370. Nov. 20.
Film or layer, Transparent. H. V. Funham. 1,981,588; Nov. 20.
Film past a place of recording or reproduction, Method and apparatus for advancing. E. E. W. Anderson and G. K. V. Johanson. 1,980,978; Nov. 20.
Film splicer. H. F. Rohrdanz. 1,981,332; Nov. 20.
Films, Apparatus for splicing. J. A. Maurer, jr., and H. H. Friend. 1,981,368; Nov. 20.
Films, foils, and the like, Apparatus for making. G. Schneider. 1,981,472; Nov. 20.
Filter. G. Tabozzi. 1,981,397; Nov. 20.
Filter cartridge. W. G. Burhans. 1,981,307; Nov. 20.
Fire box. J. F. Slater. 1,981,127; Nov. 20.
Fish final-positioning means. W. H. Hunt. 1,981,552; Nov. 20.
Fish lure, Artificial. V. H. Byus. 1,981,029; Nov. 20.
Fishing reel. G. S. Scott. 1,981,429; Nov. 20.
Fixture. A. C. De Napoli, jr., and J. O. Kleber. 1,981,690; Nov. 20.
Flash light device. T. W. Frech, J. T. Fagan, J. F. Donovan, and E. B. Isaacs. 1,981,544; Nov. 20.
Fluid compressor. C. M. Tursky. 1,981,481; Nov. 20.
Fluid meter. H. L. Blum. 1,981,797; Nov. 20.
Fluid meter. W. S. Brubaker. 1,981,831; Nov. 20.
Fluid motor. H. Hueber and G. Dykstra. 1,981,840; Nov. 20.
Fluid pressure regulator. F. J. Woolfenden. 1,981,576; Nov. 20.
Fluids, Heating of. H. Tropsch. 1,981,129; Nov. 20.
Flying equipment. R. J. Miller. 1,981,461; Nov. 20.
Flying wing. R. J. Hoffman. 1,981,701; Nov. 20.
Foam, Prevention of. R. W. Richardson and R. B. Schneider. 1,981,634; Nov. 20.
Foam reduction. R. G. Clarkson. 1,981,635; Nov. 20.
Focus mechanism, Follow. G. A. Mitchell. 1,981,185; Nov. 20.
Foldable container. M. Blitz. 1,981,774; Nov. 20.
Form shaping device for woodworking machines. J. O. Creek and W. Wood. 1,981,584; Nov. 20.
Foil and thin film, Cementing. A. F. Caprio. 1,981,141; Nov. 20.
Foldable chair. J. Kovats. 1,981,387; Nov. 20.
Foot support. E. Frei. 1,981,100; Nov. 20.
Form apparatus for producing concrete slabs. G. W. Gilleland. 1,981,036; Nov. 20.
Form clamp. H. A. Kavnaugh and G. F. Newton. 1,981,178; Nov. 20.
Form, Display. F. Schlag and A. Fuggiti. 1,981,527; Nov. 20.
French-binding straightening and cementing machine. F. S. Sherman and J. Husler. 1,981,006; Nov. 20.
Friction clutch. K. E. Lyman. 1,981,807; Nov. 20.
Froth production and froth-producing reagent. M. S. Hansen. 1,981,506; Nov. 20.
Fruit juice extractor. E. S. Johnston. 1,981,554; Nov. 20.
Fruit, Method and apparatus for drying. F. B. Roberts. 1,981,197; Nov. 20.
Fruits, vegetables, etc., Preserving. P. H. Craig. 1,981,583; Nov. 20.
Fuel feeding system for internal combustion engines. E. C. Horton and H. Hueber. 1,981,838; Nov. 20.
Fuel pump. E. A. Rockwell. 1,981,250; Nov. 20.
Fuel pump, High pressure injection. J. F. Hermann. 1,981,551; Nov. 20.
Fuel pumping device. E. A. Rockwell. 1,981,667; Nov. 20.
Fuel system for motor vehicle engines. H. Hueber and E. C. Horton. 1,981,841; Nov. 20.
Furnace: *See*—
Electric induction furnace. Metallurgical furnace.
Glass melting furnace.
Furnace. E. L. Torrey. 1,981,378; Nov. 20.
Furnace control. R. W. Stem. 1,981,679; Nov. 20.

Furnace wall structure. W. F. Keenan, jr., and W. H. Hardie. 1,981,648; Nov. 20.
Furring strips to cement building blocks, Attaching. J. L. Crawford. 1,980,982; Nov. 20.
Fuse, Electric. T. W. Kirkman. 1,981,599; Nov. 20.
Fuse, Multiple. M. Lipsey. 1,981,735; Nov. 20.
Galvanometer, Vibrating. W. G. Green. 1,981,266; Nov. 20.
Game apparatus, Indoor. L. Burn. 1,981,581; Nov. 20.
Game, Skill rotating flasher. D. Schneider and R. J. Riehs. 1,981,672; Nov. 20.
Garment hook. F. J. Skinner. Des. 93,894; Nov. 20.
Garment protector. B. J. Sachs. 1,981,571; Nov. 20.
Garments, Manufacturing. F. A. Schmidt and H. H. Kramer. 1,981,124; Nov. 20.
Gas burner. H. H. Dodge. 1,981,349; Nov. 20.
Gas-lift control, Method and apparatus for. P. Subkow. 1,981,477; Nov. 20.
Gas meter. L. J. Corrier and J. F. Greiner. 1,981,832; Nov. 20.
Gas, Process and apparatus for dispensing measured charges of liquefied. E. W. Harvey. 1,981,729; Nov. 20.
Gaseous discharge tube, Dual purpose. A. Hund. 1,981,359; Nov. 20.
Gauge: *See*—
Liquid gauge. Valve and pressure gauge.
Oil gauge. Wheel gauge.
Gauge. H. T. Passler. 1,981,751; Nov. 20.
Gear: *See*—
Control gear. Draft gear.
Gear and making the same, Composite. E. M. d'Aubigne. 1,981,782; Nov. 20.
Gear construction, Tipping. M. F. Edwards. 1,981,725; Nov. 20.
Gear testing apparatus. F. A. Firestone, E. J. Abbott, and H. B. Vincent. 1,981,693; Nov. 20.
Gears, Friction change speed. G. Colucci. 1,981,582; Nov. 20.
Gearing, Motor vehicle transmission. F. W. Cotterman. 1,981,823; Nov. 20.
Girdle. J. Bloom. 1,981,136; Nov. 20.
Glass articles, Apparatus for forming hollow. L. D. Soubier. 1,981,636; Nov. 20.
Glass drawing tank. H. L. Halbach. 1,980,992; Nov. 20.
Glass, Drinking. R. B. Griffin. Des. 93,871; Nov. 20.
Glass, Laminated. W. L. Monro. 1,981,703; Nov. 20.
Glass melting furnace. G. Lufkin and F. Flexon. 1,981,625; Nov. 20.
Glass, Method and apparatus for cooling. J. T. Littleton. 1,981,560; Nov. 20.
Glassware forming machine. F. O'Neill. 1,981,244; Nov. 20.
Glider. J. Yassay. Des. 93,904; Nov. 20.
Globe dial fixture. R. H. Schulz. 1,981,253; Nov. 20.
Glove. F. A. Chanut. 1,981,779; Nov. 20.
Gluer. H. J. Goss. 1,981,038; Nov. 20.
Golf club. W. T. Aldrich. 1,981,085; Nov. 20.
Golf club. G. E. Barnhart. Des. 93,862; Nov. 20.
Grader, Elevating. J. B. Green and J. M. Rathmell. 1,981,170; Nov. 20.
Graining machine. W. F. Huck. 1,981,046; Nov. 20.
Grease discharge device. C. Harris. 1,981,508; Nov. 20.
Grinder, Tool. F. Hille. 1,981,174; Nov. 20.
Grinder, Valve seat. J. W. Holland. 1,981,269; Nov. 20.
Grinding. J. E. Caster. 1,981,220; Nov. 20.
Ground fitting. S. W. Borden. 1,981,343; Nov. 20
Guano distributor. E. M. Cole. 1,981,222; Nov. 20.
Guard, Edge. A. A. Partner. 1,981,749–50; Nov. 20.
Guard, Fruit. G. D. Bishop. 1,981,772; Nov. 20.
Guard, Fruit. A. A. Partner. 1,981,748; Nov. 20.
Guard, Window weather. E. A. Zetmeir. 1,981,019; Nov. 20.
Gun, Spray. B. W. Shields. 1,981,077; Nov. 20.
Gyroscopic base line. L. F. Carter. 1,981,687; Nov. 20.
Hair net. S. Grasso and A. Bongiovanni. 1,981,790; Nov. 20.
Hair waving appliance. C. Ronzi. 1,981,373; Nov. 20.
Ham, boiler. N. M. Samuel. 1,981,075; Nov. 20.
Hand, Artificial. F. C. Henning. 1,981,698; Nov. 20.
Hand bag. W. Resnick. Des. 93,891; Nov. 20.
Handle for kitchen or camp implements or utensils. B. H. Smith. 1,981,082; Nov. 20.
Hanger: *See*—
Clothesline hanger. Necktie hanger.
Hanger and camphor holder, Combination clothes. M. and J. Roman. 1,981,072; Nov. 20.
Hanger and clothes tree, Garment. W. B. Pope. 1,981,569; Nov. 20.
Hat construction. R. K. Reynolds. 1,981,286; Nov. 20.
Hat, Straw helmet. A. Uriwal. Des. 93,898; Nov. 20.
Hay, Apparatus for storage and ventilation of. J. G. Shodron. 1,981,434; Nov. 20.
Hay, Method and apparatus for the storage, curing, and preservation of. J. G. Shodron. 1,981,436; Nov. 20.
Hay, Preserving. F. J. Kreutzer. 1,981,420; Nov. 20.
Head lamp. T. G. Melish. 1,981,564; Nov. 20.
Heat exchange device. D. W. Lake. 1,981,424; Nov. 20.
Heat exchange device. P. F. Sperry. 1,981,395; Nov. 20.
Heater: *See*—
Automobile heater.
Heating apparatus. E. F. Northrup. 1,981,632; Nov. 20.
Heating apparatus. W. Pfeiffer. 1,981,190; Nov. 20.
Heating, Method and apparatus for inductive. E. F. Northrup. 1,981,629; Nov. 20.
Heel plate. H. E. Muench. 1,981,148; Nov. 20.
Helicopter. F. R. White. 1,981,442; Nov. 20.
Highway path indicator. J. B. Strauss. 1,981,206; Nov. 20.
Hoisting table. R. J. Tindale. 1,981,680; Nov. 20.
Holder: *See*—
Paper roll holder. Toast holder.
Soap holder.
Holder and cutter, Wax paper. H. C. Wegener. 1,981,013; Nov. 20.
Holder for duplicate contract bridge hands. H. Simmonds, jr. 1,981,154; Nov. 20.
Holder for lesson scrolls. H. G. Cress. 1,981,585; Nov. 20.
Holder or similar article, Playing card and chip set. I. Rubinstein. Des. 93,892; Nov. 20.
Hollow articles, Apparatus for making. M. Wagner. 1,981,131; Nov. 20.
Hoops, Device for uniting package and bale. J. Beauvisage. 1,981,086; Nov. 20.
Hopper for a document handling machine, Auxiliary feeding. C. J. Hughey. 1,981,452; Nov. 20.
Hydrocarbons and waxes, Oxidation of. A. v. Friedolsheim and M. Luther. 1,981,384; Nov. 20.
Hydrocarbons, Art of and apparatus for converting. W. L. Gomory. 1,981,727; Nov. 20.
Hydrocarbons, Cracking. T. D. Tifft. 1,981,128; Nov. 20.
Hydrocarbons from solid carbonizable materials, Deriving liquid. G. F. Michot-Dupont. 1,981,614; Nov. 20.
Ice cream cone. J. Balton. 1,981,770; Nov. 20.
Ice cream freezing device. M. G. Torson. 1,981,009; Nov. 20.
Ice scoring machine. E. O. Robinson. 1,981,331; Nov. 20.
Igniting device. J. R. Ayotte. 1,981,022; Nov. 20.
Ignition apparatus. H. L. Hartzell. 1,981,041; Nov. 20.
Ignition device. L. Rivier. 1,981,330; Nov. 20.
Ignition distributor rotor. J. L. Arthur. 1,981,021; Nov. 20.
Illuminating device. L. Rivier. 1,981,328; Nov. 20.
Impregnation of articles by centrifugal means. W. A. Hyde. 1,981,453; Nov. 20.
Increment measuring instrument. R. L. Swenson. 1,981,713; Nov. 20.
Indicator: *See*—
Highway path indicator. Vehicle signal indicator.
Pointer type course indicator. Wheel slide thrust indicator.
Vehicle position indicator.
Initial centering device and method. G. C. Beck. 1,980,975; Nov. 20.
Inkwell or the like. G. W. Owen. 1,981,281; Nov. 20.
Insect trap. R. E. Wentzell. 1,981,683; Nov. 20.
Insecticide. E. C. Britton and L. E. Mills. 1,981,219; Nov. 20.
Insole for shoes and forming same. H. Gordon. 1,981,101; Nov. 20.
Insulated structure. H. B. Lindsay. 1,981,559; Nov. 20.
Insulation for electrical apparatus. A. O. Austin. 1,981,716; Nov. 20.
Insulator. A. O. Austin. 1,981,717; Nov. 20.
Interlock for servo motors, Mechanical. A. L. Tobin. 1,981,400; Nov. 20.
Interlocking partition block. E. G. Peterson. 1,981,324; Nov. 20.
Intermediates for rhodamine dyestuffs. L. P. Kyrides. 1,981,515; Nov. 20.
Intermediates for secondary alkylated rhodamine dies. L. P. Kyrides. 1,981,516; Nov. 20.
Internal combustion engine. M. J. Finnegan. 1,981,786; Nov. 20.
Internal combustion engine. P. Fritzsche. 1,981,412; Nov. 20.
Iron and switch therefor, Electric. J. A. and E. M. Crossland. 1,981,309; Nov. 20.
Iron, Hatter's. G. W. Martz. 1,981,520; Nov. 20.
Jack: *See*—
Automobile jack.
Jewelry, Article of. L. Mazer. 1,981,521; Nov. 20.
Jewelry ornamentation. J. M. Miller and G. F. Fenton. 1,981,369; Nov. 20.
Knife for thread-cutting temple. S. O. Dodge and R. C. Newton. 1,981,723; Nov. 20.
Knitted fabric. V. Lombardi. 1,981,057; Nov. 20.
Knitted fabric. O. Sauer. 1,981,471; Nov. 20.
Knitting mechanism. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,981,513; Nov. 20.
Lace. F. Gentner. Des. 93,870; Nov. 20.
Lamp: *See*—
Head lamp. Odorizing lamp.
Mortician's lamp.
Lamp. L. Rivier. 1,981,329; Nov. 20.
Lamp for automobiles, Signal. J. M. Fenna. 1,981,450; Nov. 20.
Lamps, Apparatus for charging miners'. G. Wheat. 1,981,210; Nov. 20.
Latex, Treatment of. J. McGavack and R. F. Tefft. 1,981,184; Nov. 20.
Lead and other metals, Method and apparatus for the extrusion of. H. Hill. 1,981,045; Nov. 20.
Legging and ski pants, Child's. S. J. Buchman. 1,981,088; Nov. 20.
Lens grinding machine. R. Kment. 1,981,733; Nov. 20.
Lettering device for display panels. W. L. Stensgaard. 1,981,574; Nov. 20.
Lever press. O. Rupp. 1,981,198; Nov. 20.
Level regulator for viscous liquids. W. Thomas. 1,981,530; Nov. 20.

Leveling machine. G. W. Mudd. 1,981,278; Nov. 20.
Lighter for gaseous fuel burners. O. K. Beckler. 1,981,299; Nov. 20.
Lighting unit box. M. E. Holy. 1,981,731; Nov. 20.
Lignin derivatives and making same. G. C. Howard. 1,981,176; Nov. 20.
Link for cross chains for non-skid devices. E. E. Smith. 1,981,394; Nov. 20.
Liquid dispenser. P. S. Shield. 1,981,335; Nov. 20.
Liquid gauge. W. Goerg. 1,981,354; Nov. 20.
Liquid hardener solution. L. E. Muehler. 1,981,426; Nov. 20.
Liquid level control device. A. E. Calkins. 1,981,800; Nov. 20.
Liquids, Apparatus for counter-current treatment of two immiscible. T. C. Whitner, jr. 1,981,818; Nov. 20.
Litter or carriage, Tractional hospital. F. and F. Koenigkramer. 1,981,271; Nov. 20.
Lock: *See*—
Permutation lock. Pin lock.
Lock. M. Ramos. 1,981,121; Nov. 20.
Lock for electric switches, Safety. B. E. Getchell. 1,981,353; Nov. 20.
Locking device. R. Frelin. 1,981,500; Nov. 20.
Locking device. J. Morris. 1,981,705; Nov. 20.
Locking mechanism, Coin controlled. F. J. Rowse. 1,981,074; Nov. 20.
Locks, Combination and key controlled catching mechanism for. J. I. W. Carlson. 1,981,163; Nov. 20.
Locomotive cleaning apparatus. F. M. Hilgerink. 1,981,622; Nov. 20.
Looms, Selvage motion for. W. B. Greaves. 1,981,039; Nov. 20.
Loop regulating mechanism for full fashioned hosiery machines, Automatic. K. H. Lieberknecht. 1,981,054; Nov. 20.
Loop regulating mechanism for full fashioned knitting machines. G. Gastrich. 1,981,035; Nov. 20.
Lubricating apparatus. E. W. Davis. 1,980,984; Nov. 20.
Lubricating apparatus. F. H. Gleason. 1,981,802; Nov. 20.
Lubricating device. J. P. Laux and E. R. Packer. 1,981,364; Nov. 20.
Lubricating device. M. Newmark and E. Moss. 1,981,243; Nov. 20.
Lubricator: *See*—
Elevator lubricator.
Machine control mechanism. K. F. Moller. 1,981,147; Nov. 20.
Machine for attaching soles to shoes. C. F. Freeman. 1,981,694; Nov. 20.
Machine for coiling metal strips. M. Nigro. 1,981,566; Nov. 20.
Machine for forming glass articles. G. Lufkin. 1,981,238; Nov. 20.
Machine for forming hollow glassware. L. D. Soubier. 1,981,637; Nov. 20.
Machine for making bushel basket blanks or mats. W. F. Newhouse. 1,981,065; Nov. 20.
Machine for making corrugated paper board. G. W. Swift, jr. 1,981,338; Nov. 20.
Machine thread miller. A. Haxton. 1,981,550; Nov. 20.
Machine tool. H. D. Croft. 1,981,263; Nov. 20.
Machine tool. H. Vogler. 1,981,682; Nov. 20.
Magnet core. P. N. Roseby. 1,981,468; Nov. 20.
Magneto ignition apparatus. W. Walther. 1,981,638; Nov. 20.
Mast, Aerial. E. C. Vrooman. 1,981,339; Nov. 20.
Mast, Mooring. C. E. Rosendahl. 1,981,005; Nov. 20.
Material. Apparatus for handling rolled. B. R. Shover. 1,981,079; Nov. 20.
Material guiding apparatus for rolling mills. E. W. Larsen. 1,981,146; Nov. 20.
Material handling apparatus. D. V. Waters. 1,981,133; Nov. 20.
Material handling mechanism. J. G. Shodron. 1,981,435; Nov. 20.
Material spreader, Granular. N. K. Dickerson. 1,981,095; Nov. 20.
Materials, Production of compound. J. H. Rooney. 1,981,152; Nov. 20.
Mathematics and exhibiting mathematical problems, Teaching. H. R. Hamley. 1,981,646; Nov. 20.
Mattress clamp. A. M. Smith. 1,981,254; Nov. 20.
Measuring and weighing device, Automatic. C. W. Hartman. 1,981,697; Nov. 20.
Measuring apparatus. A. W. Schoof. 1,981,153; Nov. 20.
Mechanism for effecting the between-needle movements of thread guides in warp-knitting machines. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,981,512; Nov. 20.
Mechanism for effecting the lapping movement of the thread-guides of warp knitting machines. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,981,511; Nov. 20.
Metal pickling process. A. Klamroth and H. Ahrens. 1,981,109; Nov. 20.
Metals, Electrodisposition of. R. H. Atkinson. 1,981,715; Nov. 20.
Metallurgical furnace. E. H. Bunce and A. O. Ashman. 1,981,028; Nov. 20.
Meter: *See*—
Fluid meter. Gas meter.
Metering pump. A. Korfmacher. 1,981,416; Nov. 20.
Mill: *See*—
Pulverizing and granulating mill. Rolling mill.
Milling machine. W. D. Archea. 1,981,216; Nov. 20.
Mineral matter, Dispersion of. O. D. Neitzke. 1,981,522; Nov. 20.
Mining apparatus. C. F. Osgood. 1,981,745–6; Nov. 20.
Mining machines. M. P. Holmes. 1,981,106; Nov. 20.
Mirror, Hand. W. La Hodny and G. C. Hoff. Des. 93,874; Nov. 20.
Mirror, Hand. W. La Hodny and G. C. Hoff. Des. 93,876; Nov. 20.
Mirror, Pedestal. W. La Hodny and G. C. Hoff. Des. 93,875; Nov. 20.
Mirror, Pedestal. W. La Hodny and G. C. Hoff. Des. 93,877; Nov. 20.
Mixer. S. Alsop. 1,981,215; Nov. 20.
Mold: *See*—
Cement mold. Permanent mold.
Mold for net leads. C. A. Hanson. 1,981,103; Nov. 20.
Molded object. F. A. Parkhurst. 1,981,810; Nov. 20.
Mortician's lamp. R. E. Snyder. 1,981,375; Nov. 20.
Moth bag. E. A. Lewis. 1,981,558; Nov. 20.
Motor: *See*—
Electric motor. Portable motor.
Fluid motor. Rotary motor.
Motor control system. P. B. Harwood. 1,981,547; Nov. 20.
Motor control system. R. O. Wertz. 1,981,259; Nov. 20.
Motor control, System of. G. B. Starie. 1,981,528; Nov. 20.
Mounting, Ophthalmic. G. A. Ellestad. 1,981,264; Nov. 20.
Mower attachment, Lawn. E. H. Fahrney. 1,981,098; Nov. 20.
Musical instrument. G. Gloetens. 1,981,092; Nov. 20.
Necktie hanger. J. H. Jackson. 1,981,553; Nov. 20.
Needle and suture, Surgical. O. J. Logan. 1,981,661; Nov. 20.
Nose pad. W. S. Searles. 1,981,432; Nov. 20.
Nozzle attachment for powder filling machines. C. J. Westin. 1,981,485; Nov. 20.
Nozzle control of dispensers. W. H. Haupt. 1,981,357; Nov. 20.
Nozzle, Lubricating. L. C. Bailey. 1,981,493; Nov. 20.
Nuts, Making. L. A. Fraver. 1,981,594; Nov. 20.
Nuts, Making wing. A. W. Kimbell. 1,981,363; Nov. 20.
Odorizing lamp. P. Larsen. 1,981,650; Nov. 20.
Oil burning apparatus. H. T. Purcell. 1,981,248; Nov. 20.
Oil gauge, Wipeless. C. W. Hollingsworth. 1,981,270; Nov. 20.
Oil, Heat treating. E. B. Peck and C. E. Kleiber. 1,981,826; Nov. 20.
Oil, Heat treating hydrocarbon. W. F. Sims and V. U. Cloer. 1,981,572; Nov. 20.
Oil refining apparatus. C. H. Leach. Re19,378; Nov. 20.
Oil, Refining of cotton seed. M. Scheilmann. 1,981,605; Nov. 20.
Oil sand protector. E. Ward. 1,981,158; Nov. 20.
Oil servicer, Canned. H. R. Johnson. 1,981,177; Nov. 20.
Oil wells, Method of and apparatus for drilling. N. E. Price. 1,981,525; Nov. 20.
Oils, Apparatus for reconditioning used. J. J. Carpenter. 1,981,089; Nov. 20.
Oils, Conversion of hydrocarbon. J. B. Held. 1,981,144; Nov. 20.
Oils, Refining. G. E. McCloskey. 1,981,626; Nov. 20.
Oils, Treatment of hydrocarbon. R. Pyzel. 1,981,150; Nov. 20.
Opener and closer, Jar. S. J. Heiner. 1,981,104; Nov. 20.
Ophthalmoscope. W. N. Allyn. 1,981,214; Nov. 20.
Optical system. C. O. Assmus. 1,981,492; Nov. 20.
Organic nitro compounds, Production of. M. A. Dahlen and W. L. Foohey. 1,981,311; Nov. 20.
Ornament, Christmas tree. L. L. Raymond. Des. 93,890; Nov. 20.
Ornamental decoration. F. C. Harper. 1,981,696; Nov. 20.
Oscillograph. K. Engel. 1,981,350; Nov. 20.
Oven. J. H. Mossbammer. 1,981,658; Nov. 20.
Package. A. G. Rose. 1,981,073; Nov. 20.
Packing pad. R. W. Burrows. 1,981,344; Nov. 20.
Pad: *See*—
Nose pad. Packing pad.
Paintbrush, Fountain. M. Pilgrim. 1,981,067; Nov. 20.
Paper feed for automatic projection printers. D. A. Young. 1,981,406; Nov. 20.
Paper making apparatus. W. R. Kellett. 1,981,049; Nov. 20.
Paper, Method of and apparatus for producing multishade mottled. O. H. Hedstron, jr. 1,981,803; Nov. 20.
Paper roll holder. F. T. Smith. 1,981,673; Nov. 20.
Paper serving apparatus. I. A. Easterling. 1,981,590; Nov. 20.
Papers, cardboards, and pasteboards and finished containers made from those, Manufacturing water-proof textile. H. Wrede. 1,981,405; Nov. 20.
Pavement, Reenforced. A. B. Wilson. 1,981,489; Nov. 20.
Perfume sample. C. D. Kip, jr. 1,981,032; Nov. 20.
Permanent mold. H. W. Biringer. 1,981,580; Nov. 20.
Permutation lock. M. Zuill. 1,981,408; Nov. 20.
Petroleum oil, Dewaxing. H. Svanoe. 1,981,758; Nov. 20.
Petroleum, Process and apparatus for the catalytic treatment of. U. B. Bray, R. C. Pollack, and D. R. Merrill. 1,981,305; Nov. 20.
Petroleum sulphonates, Purification of. H. E. Buc. 1,981,799; Nov. 20.

Phonograph mechanism, Automatic. C. Horn. 1,981,175; Nov. 20.
Photographic material and making the same. M. Hagedorn and G. von Kujawa. 1,981,102; Nov. 20.
Picture projector, Motion. E. Vollenweider. 1,981,255; Nov. 20.
Picture projector, Moving. J. D. Stirlss. 1,981,829; Nov. 20.
Pictures and sound records, Coordination of moving. G. Ramsey. 1,981,069; Nov. 20.
Pile wire inserting means for looms. R. Sutcliffe. 1,981,478; Nov. 20.
Pin lock. J. O. Clark. 1,981,541; Nov. 20.
Pin roller for tobacco feeds. J. W. Leary. 1,981,517; Nov. 20.
Pins to fly catcher tapes, Method and device for mechanically attaching. F. Kaiser. 1,981,732; Nov. 20.
Pipe coupling. L. H. Brinkman. 1,981,777; Nov. 20.
Pipe coupling, Automatic train. J. Robinson. 1,981,004; Nov. 20.
Pipe cutting or welding machine, Circumferential. J. L. Anderson. 1,981,340–1; Nov. 20.
Pit cage and the like. A. Bucknall. 1,981,306; Nov. 20.
Plastic composition. N. S. Archetti. 1,981,769; Nov. 20.
Plastics. W. A. Hamor and W. W. Duecker. 1,981,232; Nov. 20.
Plate or similar article. W. J. Thrower. Des. 93,897; Nov. 20.
Platform attachment for stepladders. V. N. Lebre. 1,981,423; Nov. 20.
Plug with prongs in cap, Electric service. A. S. McCloy and S. F. French. 1,981,458; Nov. 20.
Plunger and screen for hydraulic underreamers. C. E. Burt. 1,981,262; Nov. 20.
Plywood container. A. Quimby and S. J. Antworth. 1,981,466; Nov. 20.
Pointer type course indicator. F. W. Dunmore. 1,980,589; Nov. 20.
Poker, Combination. E. H. Wolfe. 1,981,491; Nov. 20.
Poles, Preserving. D. A. Quarles. 1,981,664; Nov. 20.
Polishing machine. M. Lucey. 1,981,654; Nov. 20.
Polyhalite, Treating. E. P. Schoch. 1,981,125; Nov. 20.
Polymerization reactions, Initiating. P. J. Wiezevich and J. M. Whitely, jr. 1,981,819; Nov. 20.
Portable grease pump. C. Harris and C. G. Butler. 1,981,507; Nov. 20.
Portable motor. S. N. Sells. 1,981,076; Nov. 20.
Positioning mechanism, Automatic. C. B. de Vlieg. 1,981,224; Nov. 20.
Post: *See*—
Fence post.
Pouch, Powder puff. E. Hammerling. 1,981,545; Nov. 20.
Power transmitting mechanism, Variable speed. C. H. Logue. 1,981,236; Nov. 20.
Preparation of carbon disulphide and hydrogen sulphide. P. H. Bodenstein. 1,981,161; Nov. 20.
Preparation of cellulose nitro-acetate with nitro-cellulose. C. J. Staud and C. E. Waring. 1,981,396; Nov. 20.
Press: *See*—
Lever press. Vulcanizing press.
Soap press.
Press-molding masses by condensation of phenols with formaldehyde or substances that yield formaldehyde, Production of. M. Koebner. 1,981,514; Nov. 20.
Pressing and ironing machine. G. C. Engbrecht and A. J. and A. M. Olsen. 1,981,410; Nov. 20.
Pressures, Device for the indication of alternating. K. Rathke. 1,981,195; Nov. 20.
Printing device. W. H. Macdonald. 1,981,519. Nov. 20.
Privacy system. D. Mitchell. 1,981,113; Nov. 20.
Privacy system. D. Mitchell and S. B. Wright. 1,981,114; Nov. 20.
Program distributing system. G. Deakin, L. J. J. Schreiber, S. Van Mierlo, F. de Fremery, C. A. J. Pulles, and C. A. Willemse. 1,981,689; Nov. 20.
Projection apparatus. A. F. Martin. 1,981,275; Nov. 20.
Projection of moving advertising matter, announcements, and the like, Device for the. H. E. Millar. 1,981,739; Nov. 20.
Propeller and the like. G. S. Selman. 1,981,392; Nov. 20.
Propeller, Feathering. T. H. Jackson. 1,981,597; Nov. 20.
Protective equipment for banks, etc. C. J. Green. 1,981,791; Nov. 20.
Protector: *See*—
Apparel protector. Oil sand protector.
Garment protector.
Protector for dipper doors. G. B. Heffelfinger. 1,981,267; Nov. 20.
Puller: *See*—
Tree puller.
Pulp forming process. E. Stafford. 1,981,573; Nov. 20.
Pulverizing and granulating mill. P. W. Kennedy. 1,981,415; Nov. 20.
Pump: *See*—
Fuel pump. Portable grease pump.
Metering pump. Well pump.
Pump. J. C. Bird. 1,981,025; Nov. 20.
Pump. W. E. Gee. 1,981,619; Nov. 20.
Pump and motor of hydraulic transmission gear, Hydraulic. R. J. Smith, C. A. Newton, and R. C. Roe. 1,981,757; Nov. 20.
Pumping apparatus. R. Deming. 1,980,986; Nov. 20.
Rack: *See*—
Clothes drying rack. Sanitary tie rack.
Radiator. A. J. Mason and W. L. Tancred. 1,981,367; Nov. 20.
Radiator shield and bracket. T. V. Balch. 1,981,539; Nov. 20.
Radiators, Device for hanging. A. C. Sandberg. 1,981,427; Nov. 20.
Radio cabinet. E. T. Dickey. 1,981,347; Nov. 20.
Rake cleaning device. A. J. Wikander and H. E. Ohrn. 1,981,488; Nov. 20.
Rake, Motor hay. C. E. Botts. 1,981,303; Nov. 20.
Rangefinder, Stabilized. A. Steinle and O. Schreiber. 1,981,529; Nov. 20.
Raspberry variety. A. B. Curtis. Pl. Pt. 113; Nov. 20.
Ratchet wrench. T. O. Rueb. 1,981,526; Nov. 20.
Razor, Mower. C. W. Shipman. 1,981,202; Nov. 20.
Razor, Safety. W. H. Black. 1,981,773; Nov. 20.
Receptacle: *See*—
Combination receptacle.
Receptacle for milk bottles, Locking. H. G. Charlet. 1,981,780; Nov. 20.
Receptacle for napkins and straws. J. W. Saunders. Des. 93,893; Nov. 20.
Reclaiming or distilling apparatus. C. P. Tolman. 1,981,480; Nov. 20.
Record strip feeding means. J. A. Spencer. 1,981,376; Nov. 20.
Reel: *See*—
Fishing reel.
Reel. A. A. Bureau. 1,981,138–9; Nov. 20.
Reel. A. A. Bureau and R. W. Clemmons. 1,981,140; Nov. 20.
Reel. P. M. Mueller. 1,981,809; Nov. 20.
Refining apparatus. C. H. Leach. Re19,377; Nov. 20.
Refrigerating apparatus. S. L. Bright. 1,981,830; Nov. 20.
Refrigerating apparatus. J. G. King. 1,981,598; Nov. 20.
Refrigerating apparatus. H. R. Loranger. 1,981,562; Nov. 20.
Refrigerating unit. H. E. Elrod. 1,981,097; Nov. 20.
Refrigeration apparatus. A. T. Stock. 1,981,606; Nov. 20.
Refrigerator display case. L. A. Banta. 1,981,298; Nov. 20.
Regulating system. F. H. Gilliksen. 1,981,040; Nov. 20.
Regulator: *See*—
Fluid pressure regulator.
Resin and making same, Xylenitic. C. Ellis. 1,980,987; Nov. 20.
Resins of petroleum origin, Producing. S. C. Fulton. 1,981,824; Nov. 20.
Return bend. A. H. Moorhead. 1,981,061; Nov. 20.
Rhodium, bath and preparing the same, Electrodepositing. F. Zimmermann and H. E. Zschiegner. 1,981,820; Nov. 20.
Rim construction. J. R. Boyd. 1,981,776. Nov. 20.
Road machine, Dual drive. W. T. Beatty and F. D. Wilson. 1,981,821; Nov. 20.
Road shoulder finishing machine. F. B. Ray and C. G. Schmid. 1,981,284; Nov. 20.
Roaster apparatus, Automatic. H. T. Mustonen. 1,981,603; Nov. 20.
Rock drill and like implement. H. E. Warsop. 1,981,764; Nov. 20.
Rod: *See*—
Connecting rod.
Rod or pipe clamp. F. Brandt. 1,981,304; Nov. 20.
Rolling mill. B. R. Shover. 1,981,078; Nov. 20.
Roof for vehicles, Movable. R. O. Mobbs. 1,981,843; Nov. 20.
Rope and cable making machine, Wire. W. E. Somerville. 1,981,083; Nov. 20.
Rotary motor. J. Enderlin. 1,981,615; Nov. 20.
Rubber and similar substances, Reclaiming. A. W. Ralston and J. R. Wright. 1,981,811; Nov. 20.
Rubber manufacture. A. J. A. Yssel de Schepper. 1,981,691; Nov. 20.
Rubber, Manufacture and production of porous. R. Ditmar. 1,981,722; Nov. 20.
Rubber, Treatment of. R. H. Gerke. 1,981,168; Nov. 20.
Rubber vulcanization assistant. A. W. Burwell. 1,981,822; Nov. 20.
Run stop construction for stockings. J. A. Goodman. 1,981,315; Nov. 20.
Sack, Paper. J. Russell. 1,981,711; Nov. 20.
Safety device for motion picture projectors. M. Scheinfeld. 1,981,670; Nov. 20.
Safety device for paper cutters. A. T. Moyer. 1,981,063; Nov. 20.
Sanding machine. V. M. Hardy. 1,981,385; Nov. 20.
Sanitary tie rack. M. T. Jones. 1,981,510; Nov. 20.
Sash and screen, Composite window. H. P. Gronbech. 1,980,990; Nov. 20.
Sash and window frame, Air-tight. R. B. Neumann, jr. 1,981,116; Nov. 20.
Sash construction. W. S. Hamm. 1,981,355; Nov. 20.
Scale representations of objects, Method and apparatus for constructing multiple. H. L. Cooke. 1,980,981; Nov. 20.
Screen: *See*—
Window screen.
Seal for metal straps. F. P. Prindle. 1,981,371; Nov. 20.
Sear mechanism for guns. C. F. Hofstetter. 1,980,994; Nov. 20.
Seat cover forming machine, Toilet. W. Stahly. 1,981,155; Nov. 20.
Seat end standard. G. H. Hamilton. 1,981,316; Nov. 20.

Selvage trimming machine. F. R. Piper. 1,981,191; Nov. 20.
Separator. C. G. Hawley. 1,981,549; Nov. 20.
Service station. E. M. Northman. Des. 92,883–4; Nov. 20.
Settee and bed, Convertible. F. Hampton. 1,981,143; Nov. 20.
Sewing machine, Buttonhole. J. H. Pikul. 1,981,119; Nov. 20.
Sewing machines, Needle-stripper foot for. M. Hemleb. 1,981,837; Nov. 20.
Sewing machines, Tufting attachment for. W. F. Schmiedel. 1,981,252; Nov. 20.
Shaving machine. I. Florman. 1,981,787; Nov. 20.
Sheet feeding apparatus. R. Currie. 1,980,983; Nov. 20.
Shell opener for cigarette packaging machines. P. M. Nejedly. 1,981,463; Nov. 20.
Shield, Automobile headlight. F. C. Townsend. 1,981,761; Nov. 20.
Shield, Glare. S. C. Baden. 1,981,261; Nov. 20.
Shield, Glare. R. C. Jacobs. 1,981,702; Nov. 20.
Shield or cover, Radiator. J. P. Collins. 1,981,030; Nov. 20.
Shingle cutter. S. N. Gundlach. 1,981,695; Nov. 20.
Shoe. V. C. Lipscomb. Des. 93,878; Nov. 20.
Shoe. A. Perugia. Des. 93,887–8; Nov. 20.
Shoe. D. Stark. 1,981,677; Nov. 20.
Shoe machine. A. R. Morrill. 1,981,062; Nov. 20.
Shoe sole. O. M. Berg. 1,981,300; Nov. 20.
Shutter. W. R. Zimmerman. 1,981,407; Nov. 20.
Sifting apparatus. L. E. Simpson. 1,981,081; Nov. 20.
Signal. C. Adler, jr. 1,981,577; Nov. 20.
Signal light for automotive vehicles. B. L. Bobroff. 1,981,302; Nov. 20.
Skate. J. A. Zareko. 1,981,211; Nov. 20.
Skimming apparatus. F. S. Currie. 1,981,310; Nov. 20.
Slicer, Potato. F. D. Herrington. 1,981,451; Nov. 20.
Slip. V. L. Sussberg. 1,981,760; Nov. 20.
Soap holder. H. N. Roberts and W. S. Beaugrand. 1,981,389; Nov. 20.
Soap press. R. A. Jones. 1,981,804; Nov. 20.
Socket, Snap fastener. M. F. Carr. 1,981,345; Nov. 20.
Sodium diphenyl-para-sulphonate and making same. W. C. Stoesser and R. F. Marschner. 1,981,337; Nov. 20.
Solution purification. O. C. Ralston and F. H. Miller. 1,981,068; Nov. 20.
Solvents for etherification of cellulose. D. C. Ellsworth. 1,980,988; Nov. 20.
Sound reproducer. A. C. Keller. 1,981,793; Nov. 20.
Spaceband for justifying matrix lines. H. R. Freund. 1,981,835; Nov. 20.
Space-current device. N. C. Pearcy. 1,981,245; Nov. 20.
Spooling apparatus. E. J. McIlvried and J. C. Bittman. 1,981,563; Nov. 20.
Spout and closure. G. R. Lee. 1,981,112; Nov. 20.
Spout, Grain. S. J. Goodfellow. 1,981,413; Nov. 20.
Spray device. L. H. Moore. 1,981,704; Nov. 20.
Spray tip for an oil burner or the like. W. V. Czarnecki, jr. Des. 93,865; Nov. 20.
Spraying device. H. B. Karter. 1,981,623; Nov. 20.
Spring cover apparatus. V. W. Peterson. 1,981,129; Nov. 20.
Spring covers, Method of and machine for applying metal. J. M. Christman. 1,981,090; Nov. 20.
Spring covers to springs, Apparatus for applying. W. R. Chesley. 1,981,221; Nov. 20.
Starting device for internal combustion engines. L. Gérard. 1,981,789; Nov. 20.
Starting mechanism for internal combustion engines, Automatic. D. L. Wertz. 1,981,209; Nov. 20.
Stave or bottom for barrels and vats, etc. G. Müller. 1,981,659; Nov. 20.
Steam trap. G. H. Gibson and F. M. Patterson. 1,981,169; Nov. 20.
Stiffening device for maintaining the creases in trousers. S. P. Dodington. 1,981,784; Nov. 20.
Stock control register. P. G. Stimson. 1,981,205; Nov. 20.
Stockings, Making. K. R. Lieberknecht. 1,981,053; Nov. 20.
Stocks, Cracking heavy. P. C. Keith, jr. 1,981,842; Nov. 20.
Stoker control. C. Kay. 1,981,454; Nov. 20.
Stool. J. Worley, jr., and E. L. Vreeland. 1,981,017; Nov. 20.
Stop device, Registering. E. J. Grant. 1,981,231; Nov. 20.
Stopper, Sink. J. B. Hernandez. 1,981,358; Nov. 20
Storage battery separator. M. H. Martindell. 1,981,736; Nov. 20.
Store front construction. F. J. Plym. 1,981,193; Nov. 20.
Stove and range, Gas or electric cooking. J. Teller and A. P. Schulz. 1,981,084; Nov. 20.
Strands, Apparatus for twisting. L. L. Weaver. 1,981,134; Nov. 20.
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Strip server, Electrically operated. A. F. Gillet. 1,981,229; Nov. 20.
Stripper finger for flatwork ironers. C. E. Hamilton, sr. Re19,376; Nov. 20.
Substratum for photographic elements. J. G. McNally. 1,981,425; Nov. 20.
Suit, Bathing. C. L. Martin. 1,981,320; Nov. 20.
Sulphur colors. J. T. Linster, H. B. Pray, and H. A. Lubs. 1,981,055; Nov. 20.
Support: *See*—
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Supporting structure for a roll projection screen. O. Wittel. 1,981,444; Nov. 20.
Switch: *See*—
Electric switch.
Switch for dirigible lights. C. Sklarek. 1,981,204; Nov. 20.
Table: *See*—
Hoisting table.
Table and screen, Combined. L. Lehner. 1,981,052; Nov. 20.
Tank: *See*—
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Tank. F. E. Owen. 1,981,568; Nov. 20.
Tank. R. S. Wortley. 1,981,018; Nov. 20.
Tanks of tank vessels, Cleaning, scaling, and gas freeing bulk cargo. A. B. Butterworth. Re19,374; Nov. 20.
Tapered articles, Forging. J. D. Pugh. 1,981,326; Nov. 20.
Target range. A. G. Varrelman. 1,981,293; Nov. 20.
Telephone call reminder. W. F. Timmermann. 1,981,156; Nov. 20.
Telephone substation apparatus. D. H. King. 1,981,649; Nov. 20.
Temperatures of hot fluids, Device for measuring. B. P. Crittenden and A. C. Killinger. 1,981,721; Nov. 20.
Textile fabric or the like. R. S. Maraniss. Des. 93,879; Nov. 20.
Textile printing process and composition. H. B. Briggs and R. W. Hardacre. 1,981,027; Nov. 20.
Thermal conductivity, Measuring. T. R. Harrison. 1,981,172; Nov. 20.
Thermionic valve. G. Marconi and C. S. Franklin. 1,981,058; Nov. 20.
Thermostat control. H. J. Smith. 1,981,282; Nov. 20.
Thermostat for aquariums. G. F. Roth. 1,981,251; Nov. 20.
Thermostatic control system. R. E. Newell. 1,981,707; Nov. 20.
Thermostatically operated valve. L. W. Eggleston and J. Dillman. 1,981,313; Nov. 20.
Thread case for sewing machine loop-takers. G. A. Fleckenstein. 1,981,834; Nov. 20.
Threaded member and locking same, Adjustable. A. M. Thomson. 1,981,399; Nov. 20.
Time piece movement. S. E. Kochendarfer. 1,981,110; Nov. 20.
Timepiece, Self-winding. H. Aegler. 1,981,297; Nov. 2.
Tire chain. M. Gentzler. 1,981,726; Nov. 20.
Tire chain applying and removing mechanism. D. E. Thomas. 1,981,291; Nov. 20.
Tire changing device. M. M. Usadel. 1,918,763; Nov. 20.
Tire tread burner. H. F. Maranville. 1,981,808; Nov. 20.
Tires, Method and apparatus for building. F. J. Shook. 1,981,828; Nov. 20.
Toast holder. F. L. Wooddell. 1,981,016; Nov. 20.
Toaster. E. Worthington. Des. 93,903; Nov. 20.
Tobacco leaf stemming and handling mechanism. R. E. Rundell and G. E. Hagquist. 1,981,470; Nov. 20.
Tool: *See*—
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Composition tool.
Tool for grinding or lapping cylindrical bores. P. E. Wagner. 1,981,258; Nov. 20.
Toothbrush. R. H. Miller. 1,981,657; Nov. 20.
Toothbrush container, Antiseptic. O. A. Feldon. 1,981,383; Nov. 20.
Top construction for vehicle body. J. C. Miller. 1,981,060; Nov. 20.
Towel. S. B. Fertig. Des. 93,868; Nov. 20.
Towel servidor. A. I. Hondeville. 1,981,386; Nov. 20.
Tower, Fractionating. L. de Florez. 1,981,346; Nov. 20.
Toy, Coaster. J. B. Jaglowicz. 1,981,317; Nov. 20.
Toy, Flying. W. R. Lee. 1,981,050; Nov. 20.
Tracer device. E. L. Ragonnet. 1,981,372; Nov. 20.
Tracer mechanism. E. C. F. Oakley. 1,981,117; Nov. 20.
Tractor middle buster hitch. C. A. Zieschang. 1,981,768; Nov. 20.
Trailer. F. E. and L. R. Kaunitz. Des. 93,873; Nov. 20.
Trailer hitch. J. G. Winsor. 1,981,443; Nov. 20.
Transformer lifting device. D. G. Smead. 1,981,756; Nov. 20.
Transmission. E. J. Schneider. 1,981,428; Nov. 20.
Transportation container. J. P. McWilliams and F. Ditchfield. 1,981,241; Nov. 20.
Transportation system, Trackless. H. F. Lucke, jr. 1,981,655; Nov. 20.
Trap: *See*—
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Trap. J. Donadel. 1,981,785; Nov. 20.
Travelling stock, Heating. E. F. Northrup. 1,981,630; Nov. 20.
Tray, Card and envelope supporting. E. M. Wangen. 1,981,294; Nov. 20.
Tray, Filing. R. J. Wood. 1,981,795; Nov. 20.
Tray for refrigerators. A. W. Neel. 1,981,743; Nov. 20.
Tray, Ice cream freezing. M. G. Torson. 1,981,008; Nov. 20.
Tray, Ice cream freezing. M. G. Torson. 1,981,010; Nov. 20.
Tree puller. J. Copley. 1,981,308; Nov. 20.
Truck, Six wheel. C. L. Orr. 1,981,118; Nov. 20.
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Tube: *See*—
Catbode ray tube. Vacuum tube.
Gaseous discharge tube.
Tube and circuit therefor, High voltage discharge. T. E. Allibone. 1,981,537; Nov. 20.
Tubes, Dispensing the contents of collapsible. K. B. Van Woert, jr. 1,981,532; Nov. 20.
Tubes into lengths and apparatus therefor, Cutting. F. C. Matthews, F. E. Brown, and J. W. H. Pengelly. 1,981,059; Nov. 20.
Turning machine. G. F. Yager. 1,981,260; Nov. 20.
Turret index and suction control for cigar machines. H. H. Wheeler. 1,981,486; Nov. 20.
Twine-dispensing device. B. S. Perry. 1,981,388; Nov. 20.
Typewriting machine. W. A. Dobson. 1,981,348; Nov. 20.
Typewriting machine. C. Gabrielson. 1,981,034; Nov. 20.
Urn or article of analogous nature, Coffee. W. von Nessen. Des. 93,899–900; Nov. 20.
Vacuum device. H. A. Snow. 1,981,336; Nov. 20.
Vacuum operated device. J. E. Simmerman. 1,981,080; Nov. 20.
Vacuum tube. E. G. Murphy. 1,981,115; Nov. 20.
Vacuum tube detector. K. C. Black. 1,981,342; Nov. 20.
Valve: *See*—
Automatic closing fire valve. Thermostatically operated valve.
Thermionic valve.
Valve. W. N. Glab. 1,981,230; Nov. 20.
Valve. C. H. Miller, jr. 1,981,825; Nov. 20.
Valve and pressure gauge, Combined control. J. C. Crowley. 1,981,586; Nov. 20.
Valve for floor drains, Primer. C. W. Bale. 1,981,540; Nov. 20.
Valve for football bladders and the like. M. Crane. 1,981,720; Nov. 20.
Valve for heating systems, Control. V. O. Beam and N. T. Branche. 1,981,218; Nov. 20.
Valve for radiators and the like, Air. W. F. Macdonald. 1,981,365; Nov. 20.
Valve mechanism for rotary engines. W. W. Brown. 1,981,778; Nov. 20.
Vaporizer. S. L. Weiss. 1,981,763; Nov. 20.
Vase, Cemetery. H. W. and S. Y. Baker. 1,981,640; Nov. 20.
Vehicle, Automotive. N. B. Geddes, W. Paxton, and W. H. Stangle. Des. 93,863; Nov. 20.
Vehicle device. E. J. W. Ragsdale. 1,981,633; Nov. 20.
Vehicle, Multiwheel road. R. B. Fageol. 1,981,449; Nov. 20.
Vehicle, Multiwheel road. R. B. Fageol. 1,981,593; Nov. 20.
Vehicle position indicator. W. H. Pavitt. 1,981,188; Nov. 20.
Vehicle, Railway draft. C. B. Faverty. 1,981,618; Nov. 20.
Vehicle signal indicator. F. Mamiya. 1,981,274; Nov. 20.
Vending device. A. Kuhn and C. H. Heitman. 1,981,272; Nov. 20.
Vending machine. B. Radke. 1,981,467; Nov. 20.
Ventilating system. J. Leeuw. 1,981,051; Nov. 20.
Vessel. H. M. Knight. 1,980,998; Nov. 20.
Vibration detector. H. C. Hayes. 1,980,993; Nov. 20.
Vibration translating system. L. G. Bostwick. 1,981,686; Nov. 20.
Viscose spinning solution. R. S. Bley. 1,981,643; Nov. 20.
Vision fields of multifocal ophthalmic lenses, Apparatus for determining the proper relation between the. J. W. Smith. 1,981,439; Nov. 20.
Vision testing, Method of and apparatus for. H. G. Dorsey. 1,981,587; Nov. 20.
Vulcanizing apparatus. C. J. Randall. 1,981,194; Nov. 20.
Vulcanizing press. H. E. Morse. 1,981,628; Nov. 20.
Walker, Combination and convertible baby. A. J. Rechlicz. 1,981,285; Nov. 20.
Wall construction. G. H. Ellis. 1,981,314; Nov. 20.
Wall construction. W. M. McNeil. 1,981,240; Nov. 20.
Warmer or article of analogous nature, Food. W. von Nessen. Des. 93,901; Nov. 20.
Warp beam. S. M. Fulton and W. B. McVeigh. 1,981,142; Nov. 20.
Washer: *See*—
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Washing machine. G. Kuhn and V. Grodsky. 1,981,456; Nov. 20.
Watchcase. E. S. Irelan. 1,981,047; Nov. 20.
Water cooler. E. F. Hawkins. 1,981,730; Nov. 20.
Water heating and infusion apparatus. A. Valls. 1,981,402; Nov. 20.
Water system. W. B. Baldwin. 1,981,160; Nov. 20.
Wave receiver, Combined long and short. H. O. Roosenstein. 1,981,374; Nov. 20.
Wax emulsion, Producing an aqueous. H. Bennett. 1,981,608; Nov. 20.
Weed killer. L. E. Reynard. 1,981,122; Nov. 20.
Welding apparatus. R. J. Kehl. 1,981,624; Nov. 20.
Well pump. R. Deming. 1,980,985; Nov. 20.
Well pumping apparatus. S. E. Ross. 1,981,288; Nov. 20.
Wells, Controlling. R. A. Mueller. 1,981,279; Nov. 20.
Wheat germ in whole and unflattened state, Producing. T. R. James. 1,981,318; Nov. 20.
Wheat, Treating. W. W. Lehman. 1,981,557; Nov. 20.
Wheel: *See*—
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Wheel. B. C. Riblet. 1,981,196; Nov. 20.
Wheel for trailers, Fifth. C. M. Harris. 1,981,233; Nov. 20.
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Wheel slide thrust indicator, Vehicle. J. F. Duby. 1,981,613; Nov. 20.
Wick, Oil stove. F. A. Jefferson. 1,981,107; Nov. 20.
Winder shaft, Collapsible. F. E. Langdon. 1,981,556; Nov. 20.
Winding machine. G. Sipp. 1,981,712; Nov. 20.
Window. J. D. Patton. 1,981,752; Nov. 20.
Window construction. F. J. Plym and I. G. Barclay. 1,981,192; Nov. 20.
Window display device. F. E. Everson. 1,980,977; Nov. 20.
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Windshield cleaner operated from the motor vehicle lubricating system. H. Hueber and E. C. Horton. 1,981,839; Nov. 20.
Windshield, Side. J. P. Callahan. 1,980,976; Nov. 20.
Wire connecter. J. Blackburn and J. A. Weaver, jr. 1,981,685; Nov 20.
Wood cellulose comparable to cotton with high tenor of alkali resisting cellulose, Producing. F. C. and F. Palazzo. 1,981,323; Nov. 20.
Wood, Shrinking. A. G. Olsen. 1,981,567; Nov. 20.
Wrapper for use in hair waving processes. W. H. Joyce. 1,981,362; Nov. 20.
Wrench: *See*—
Ratchet wrench.
Yarn producing attachment for spinning frames, Slub. A. Hartley. 1,981,546; Nov. 20.
Yeast and the product produced thereby, Treatment of. C. P. Freshel. 1,981,225; Nov. 20.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 20, 1934

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. & S. Malt Extract Co., Chicago, Ill. Whiskey. Serial No. 357,212; Nov. 27. Class 49.

Abelson, L., & Son, New York, N. Y. Coats, suits, jackets, etc. Serial No. 355,993; Nov. 27. Class 39.

Ace Manufacturing Company, Chicago, Ill. Shaving creams. Serial No. 357,213; Nov. 27. Class 4.

Acme Card System Company, Chicago, Ill. Desk calendars, diaries, and address books. Serial No. 356,935; Nov. 27. Class 37.

Acme Glove Corporation, Gloversville, N. Y. Leather gloves. Serial No. 352,771; Nov. 27. Class 39.

Alaska Distributors, Inc., Seattle, Wash. Whiskies, gin, and brandies. Serial Nos. 357,482–3; Nov. 27. Class 49.

Allen, Mark W., & Co., Detroit, Mich. Hand lotions. Serial No. 341,825; Nov. 27. Class 6.

American Automatic Devices Co., Chicago, Ill. Cigarette cases. Serial No. 341,318; Nov. 27. Class 8.

American Gold Vintages, Inc., New York, N. Y. Champagne. Serial No. 352,064; Nov. 27. Class 47.

American Lead Pencil Company, Hoboken, N. J. Pencils, pencil leads, penholders, and erasers. Serial No. 356,986; Nov. 27. Class 37.

American Safety Razor Corporation, Brooklyn, N. Y. Razor blades, safety razors. Serial No. 355,749; Nov. 27. Class 23.

Atlas Mills, Inc., New York, N. Y. Piece goods. Serial Nos. 353,052–3; Nov. 27. Class 42.

Atlas Mills, Inc., New York, N. Y. Piece goods. Serial No. 353,839; Nov. 27. Class 42.

Automatic Electric Company, Chicago, Ill. Accounting systems and equipment and parts thereof, card or tape punching equipment, etc. Serial No. 352,777; Nov. 27. Class 26.

Barco Manufacturing Co., Chicago, Ill. Hammers, tampers, riveters, etc. Serial No. 351,794; Nov. 27. Class 23.

Bay State Thread Works, Springfield, Mass. Knitting and crochet cotton. Serial No. 356,330; Nov. 27. Class 43.

Bernstein, Samuel S., Los Angeles, Calif. Bottom reenforcing structure for upholstered furniture. Serial No. 357,327; Nov. 27. Class 32.

Berson, Joseph A., doing business as Springdale Distilling Company, Stamford, Conn. Rye whiskey. Serial No. 356,175; Nov. 27. Class 49.

Bird & Son, Inc., East Walpole, Mass. Floor covering. Serial No. 356,655; Nov. 27. Class 20.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial No. 356,940; Nov. 27. Class 23.

Bloomingdale Bros., Inc., New York, N. Y. Port wine. Serial No. 357,218; Nov. 27. Class 47.

Bloomingdale Bros., Inc., New York, N. Y. Whiskey. Serial Nos. 357,219–21; Nov. 27. Class 49.

Bloomingdale Bros., Inc., New York, N. Y. Port wine. Serial Nos. 357,222–3; Nov. 27. Class 47.

Boles, James R., doing business as Orex Company, San Antonio, Tex. Mouth powder. Serial No. 355,381; Nov. 27. Class 6.

Bon Ton, Incorporated, Chicago, Ill. Whiskey. Serial No. 356,893–5; Nov. 27. Class 49.

Brimberg, Samuel N., Inc., New York, N. Y. Dresses, coats, suits, etc. Serial No. 356,509; Nov. 27. Class 39.

Bristol Aeroplane Company Limited, The, Bristol, England. Aircraft engines. Serial No. 354,921; Nov. 27. Class 23.

Brown, Wolstan C., Elgin, Ill. Publication. Serial No. 353,878; Nov. 27. Class 38.

Bubblestone Company, Pittsburgh, Pa. Ingredient for the manufacture of concrete and the like to make it plastic and fluid. Serial No. 356,249; Nov. 27. Class 12.

California Chez Freez Co., Cleveland, Ohio. Comestib'es. Serial No. 339,822; Nov. 27. Class 46.

California Fruit Products Co., Inc., New York, N. Y. Wines. Serial No. 351,289; Nov. 27. Class 47.

Campana Corporation, Batavia, Ill. Toilet preparation. Serial Nos. 348,747–9; Nov. 27. Class 6.

Campana Corporation, Batavia, Ill. Toilet preparation. Serial No. 351,102; Nov. 27. Class 6.

Campbell, Geo. W., jr., Atlanta, Ga. Cigarette tobacco stain remover. Serial No. 357,078; Nov. 27. Class 6.

Celanese Corporation of America, New York, N. Y. Yarns. Serial No. 355,429; Nov. 27. Class 43.

Cella, Battista, doing business as Roma Wine Company, Lodi, Calif. Wines. Serial No. 352,028; Nov. 27. Class 47.

Century Distilling Company, Peoria, Ill. Whiskey. Serial Nos. 357,532–3; Nov. 27. Class 49.

Christopher & Company Limited, London, England. Wines. Serial No. 351,453; Nov. 27. Class 47.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey. Serial No. 357,192; Nov. 27. Class 49.

College Inn Food Products Co., Chicago, Ill. Liqueurs, kümmel, and gin. Serial No. 357,535; Nov. 27. Class 49.

Colonial Distilling & Distributing Corporation, New York, N. Y. Whiskey, gin, etc. Serial No. 347,133; Nov. 27. Class 49.

Colonial Distilling & Distributing Corporation, New York, N. Y. Whiskey. Serial No. 357,536; Nov. 27. Class 49.

Colonial Distilling & Distributing Corporation, New York, N. Y. Cocktails and liquors. Serial No. 357,537; Nov. 27. Class 49.

Commercial Solvents Corporation, New York, N. Y. Alcohol. Serial No. 357,367; Nov. 27. Class 49.

Consolidated Wine & Spirit Corp., Los Angeles, Calif. Cocktails. Serial No. 357,273; Nov. 27. Class 49.

Consolidated Wine & Spirit Corp., Los Angeles, Calif. Gin. Serial No. 357,274; Nov. 27. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial Nos. 357,230–7; Nov. 27. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, etc. Serial Nos. 357,539–40; Nov. 27. Class 49.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cook, T. K., Cleveland, Ohio. Maltless beverages, syrups, and extracts for making same. Serial No. 343,817; Nov. 27. Class 45.

Cotton-Textile Institute, Inc., The, New York, N. Y. Publications. Serial No. 357,239; Nov. 27. Class 38.

Country Club Soda Co., Inc., Springfield, Mass. Whiskey. Serial No. 357,420; Nov. 27. Class 49.

Crawford Manufacturing Co. Inc., Richmond, Va. Outer garments. Serial No. 356,220; Nov. 27. Class 39.

Cribari, B., & Sons, Inc., doing business as B. Cribari & Sons, San Jose, Calif. Brandies. Serial No. 357,422; Nov. 27. Class 49.

Crowell Publishing Company, The, New York, N. Y. Series of cartoons. Serial No. 356,617; Nov. 27. Class 38.

Davis Welding & Manufacturing Company, The, Cincinnati, Ohio. Truck tanks. Serial No. 356,900; Nov. 27. Class 19.

Del Valle, Carlos M., New York, N. Y. Chemical biological solution for intravenous injection. Serial No. 355,880; Nov. 27. Class 6.

D'Emo, Leon, doing business as The Tag Remedy Co., New York, N. Y. Medicinal preparation for corns. Serial No. 355,530; Nov. 27. Class 6.

Dewey & Almy Chemical Company, Cambridge, Mass. Portland cements. Serial Nos. 349,619–20; Nov. 27. Class 12.

Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,276; Nov. 27. Class 49.

Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,278; Nov. 27. Class 49.

Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,280; Nov. 27. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,957; Nov. 27. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,959; Nov. 27. Class 49.

Dunham, Alice, Los Angeles, Calif. Chocolates having obesity reducing, laxative, and tonic properties. Serial No. 347,969; Nov. 27. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dry-cleaning fluid. Serial No. 356,833; Nov. 27. Class 4.

Egli, Carlos A., Valencia, Spain. Wines. Serial No. 343,032; Nov. 27. Class 47.

Falbro Laboratories, Inc., Philadelphia, Pa. External medication, an antizymotic or antiferment preparation with antiseptic properties. Serial No. 356,763; Nov. 27. Class 6.

Farr Bros. Co., Allentown, Pa. Shoes. Serial No. 356,300; Nov. 27. Class 39.

Faydon Laboratories, Syracuse, N. Y. Insecticide. Serial No. 356,403; Nov. 27. Class 6.

Feshbach & Ackerman, Inc., New York, N. Y. Fur skins. Serial No. 354,564; Nov. 27. Class 1.

Finch, Joseph S., and Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 357,455; Nov. 27. Class 49.

Finch, Joseph S., and Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 357,490; Nov. 27. Class 49.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Cereal product. Serial No. 355,800; Nov. 27. Class 46.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. Serial No. 351,309; Nov. 27. Class 39.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. Serial No. 356,719; Nov. 27. Class 39.

Frankfort Distilleries, Incorporated, Louisville, Ky. Gin. Serial No. 356,002; Nov. 27. Class 49.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Tonic having a wine base. Serial No. 356,585; Nov. 27. Class 6.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. Serial No. 357,133; Nov. 27. Class 47.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. Serial No. 357,136; Nov. 27. Class 47.

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Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. Serial Nos. 357,428–9; Nov. 27. Class 49.

Galvanoni & Nevy Bros., Inc., New York, N. Y. Wines. Serial No. 356,580; Nov. 27. Class 47.

General Paint & Varnish Co., doing business as Wheeler Varnish Works, Chicago, Ill. Paint, varnishes, stains, and paint enamels. Serial No. 357,051; Nov. 27. Class 16.

Gilmore & Burke, Inc., Seattle, Wash. Shampoo, hair tonic, tablets for internal disorders, etc., and depilatories. Serial No. 341,328; Nov. 27. Class 6.

Goodman & Beer Co., Inc., New Orleans, La. Whiskey. Serial No. 357,430; Nov. 27. Class 49.

Goodman & Beer Co., Inc., New Orleans, La. Whiskey. Serial Nos. 357,433–4; Nov. 27. Class 49.

Griffler, M. S., Import Co. Inc., New York, N. Y. Gin and whiskey. Serial No. 356,439; Nov. 27. Class 49.

Griffler, M. S., Import Co. Inc., New York, N. Y. Whiskey. Serial No. 356,723; Nov. 27. Class 49.

Griggs, Cooper & Company, doing business as Sanitary Food Manufacturing Co., St. Paul, Minn. Coffee and soda crackers. Serial No. 357,195; Nov. 27. Class 46.

Grogan, Vincent, doing business as Oculo Products Co., Chicago, Ill. Liquid preparation for the eye. Serial No. 355,967; Nov. 27. Class 6.

Gulf & Valley Cotton Oil Co., Inc., New Orleans, La. Laundry soap. Serial No. 357,083; Nov. 27. Class 4.

Hammondsport Vintage Corporation, Penn Yan, N. Y. Champagne and wines. Serial No. 357,196; Nov. 27. Class 47.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory, insulating, and acidproof brick. Serial No. 357,010; Nov. 27. Class 12.

Harleko Pharmaceutical Laboratory, Los Angeles, Calif. Preparation for asthma. Serial No. 356,253; Nov. 27. Class 6.

Harlic Bag Company, South Norwalk, Conn. Ladies' hand bags and pocketbooks. Serial No. 356,588; Nov. 27. Class 3.

Hayes, Ed. F., Los Angeles, Calif. Whiskey, apricot liqueur, gin, and grape brandy. Serial Nos. 356,346–7; Nov. 27. Class 49.

Hellman Company, Inc., The, St. Louis, Mo. Whiskey. Serial No. 357,439; Nov. 27. Class 49.

Illinois Onion Set Growers Exchange, South Holland, Ill. Onion sets. Serial No. 351,166; Nov. 27. Class 1.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 356,063; Nov. 27. Class 39.

Inter-State Rayon Yarn Inc., New York, N. Y. Rayon yarn. Serial No. 356,064; Nov. 27. Class 43.

Iowa Soap Company, Burlington, Iowa. Soap. Serial No. 349,138; Nov. 27. Class 4.

Jay Gee Hat Co., Inc., New York, N. Y. Ladies' hats. Serial No. 356,665; Nov. 27. Class 39.

Jay Kay Sales Corporation, New York, N. Y. Shoes and boots. Serial No. 356,409; Nov. 27. Class 39.

Jay-Thorpe, Inc., New York, N. Y. Corsets, brassières, and combinations thereof. Serial No. 350,765; Nov. 27. Class 39.

Kaefer, Eldon C., doing business as Kaefer Laboratories, Chicago, Ill. Plastic preparation for intrauterine treatment. Serial No. 357,361; Nov. 27. Class 6.

Kerlow Steel Flooring Company, Jersey City, N. Y. Metallic steps and gratings. Serial No. 356,227; Nov. 27. Class 12.

Keystone Index Card Company, Philadelphia, Pa. Index guide cards. Serial No. 357,286; Nov. 27. Class 37.

Krauss, Herman, Incorporated, Toledo, Ohio. Wines. Serial No. 351,323; Nov. 27. Class 47.

Kressmann, Alfred E., Bordeaux, France. Wines. Serial No. 352,744; Nov. 27. Class 47.

Krugman, John, Brooklyn, N. Y. Candies. Serial No. 356,114; Nov. 27. Class 46.

Lauriat, Charles E., Company, Boston, Mass. Series of original stories. Serial No. 341,634; Nov. 27. Class 38.

Lawson, James B., Dundee, Scotland. Whiskies. Serial No. 345,715; Nov. 27. Class 49.

Lentheric, Incorporated, New York, N. Y. Perfumes. Serial No. 357,249; Nov. 27. Class 6.

Libby, McNeill & Libby, Chicago, Ill. Beer. Serial No. 356,411; Nov. 27. Class 48.

Limestone Products Corporation of America, Newton, N. J. Fertilizer. Serial No. 352,385; Nov. 27. Class 10.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 354,619; Nov. 27. Class 49.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial Nos. 357,288–9; Nov. 27. Class 49.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,291; Nov. 27. Class 49.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial Nos. 357,294–5; Nov. 27. Class 49.

Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial Nos. 357,297–300; Nov. 27. Class 49.

Loewenthal, Siegfried, Company, The, Cleveland, Ohio. Cordials. Serial No. 354,309; Nov. 27. Class 49.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 356,774; Nov. 27. Class 39.

Makalot Corporation, Boston, Mass. Molding compound. Serial No. 357,148; Nov. 27. Class 1.

Master White Goods Company, Nebraska City, Nebr. Sleeping garments for women. Serial No. 355,683; Nov. 27. Class 39.

Masurel Worsted Mills, Inc., Woonsocket, R. I. Yarns. Serial No. 356,669; Nov. 27. Class 43.

May Department Stores Company, New York, N. Y. Sheets and pillowcases. Serial Nos. 356,448–9; Nov. 27. Class 42.

McMahon Manufacturing Company, Deridder, La. Preparation for coughs, colds, etc. Serial No. 356,357; Nov. 27. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Pile ointment. Serial No. 356,527; Nov. 27. Class 6.

Modern Engineering Company, St. Louis, Mo. Lager valves, tap faucets, beer barrel vents, etc. Serial No. 352,828; Nov. 27. Class 13.

North-Mehornay Furniture Co., Kansas City, Mo. Cotton blankets and comforts. Serial No. 351,032; Nov. 27. Class 42.

Oculo Products Co. (See Grogan, Vincent.)

Opler E. & A., Inc., Chicago, Ill. Cocoa. Serial No. 335,876; Nov. 27. Class 46.

Orex Company. (See Boles, James R.)

Pacific Beverage Distributors, Ltd., Los Angeles, Calif. Whiskey. Serial No. 357,389; Nov. 27. Class 49.

Paper Makers Chemical Corporation, Wilmington, Del. Soap powder, bottle cleanser, etc. Serial No. 356,152; Nov. 27. Class 4.

Pa Pro Company, The, Utica, N. Y. Fibre shipping containers. Serial No. 357,443; Nov. 27. Class 2.

Park, Benziger & Co., Inc., New York, N. Y. Brandy. Serial No. 356,423; Nov. 27. Class 49.

Peat, Anne C., New York, N. Y. Column in a newspaper. Serial No. 354,786; Nov. 27. Class 38.

Penola Inc., Pittsburgh, Pa. Paints. Serial No. 357,390; Nov. 27. Class 16.

Perfection Stove Company, Cleveland, Ohio. Refrigerators and refrigeration apparatus for chilling milk. Serial No. 357,469; Nov. 27. Class 31.

Perticucci, Amedeo, Milan, Italy. Alcoholic bitters. Serial No. 351,823; Nov. 27. Class 49.

Pfeiffer, William, Rochester, N. Y. Pipettes for making blood count. Serial No. 349,352; Nov. 27. Class 26.

Pioneer Tool Company, Bloomfield, N. J. Knives, scrapers, spatulas, etc. Serial No. 352,395; Nov. 27. Class 23.

Plymouth Rubber Company, Inc., Canton, Mass. Raincoats. Serial No. 356,682; Nov. 27. Class 39.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial No. 357,502; Nov. 27. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial No. 357,504; Nov. 27. Class 49.

Ponnelle, Pierre, Beaune, France. Wines. Serial No. 355,326; Nov. 27. Class 47.

Poust, Abraham, doing business as Poust Liquor & Wine Co., New York, N. Y. Whiskey, brandy, and gin. Serial No. 356,130; Nov. 27. Class 49.

Power Seal Co., Los Angeles, Calif. Sealing compound. Serial No. 354,700; Nov. 27. Class 6.

Premier-Pabst Corporation, Peoria Heights, Ill. Malt tonic. Serial No. 355,814; Nov. 27. Class 6.

Roma Wine Company. (See Cella, Battista.)

Rotenone Products Co., Inc., East Orange, N. J. Insecticides. Serial No. 356,539; Nov. 27. Class 6.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 356,273; Nov. 27. Class 39.

Roulette, J. C., & Sons, Inc., Hagerstown, Md. Knitted union suit or undergarment. Serial No. 355,712; Nov. 27. Class 39.

Rust-Oppenheim, Waegen & Co. Inc., New York, N. Y. Whiskey. Serial No. 356,603; Nov. 27. Class 49.

Rust-Oppenheim, Waegen & Co. Inc., New York, N. Y. Gin. Serial No. 356,742; Nov. 27. Class 49.

Saltor, Walter, doing business as Walter Saltor Herb Company, Naugatuck, Conn. Preparations for the treatment of piles and stomach and intestinal disorders. Serial No. 355,854; Nov. 27. Class 6.

Sanitary Food Manufacturing Co. (See Griggs, Cooper & Company.)

Sanitary Public Service Corporation, New York, N. Y. Dispensing machines. Serial No. 356,640; Nov. 27. Class 23.

Saunders Chemical Corporation, St. Louis, Mo. Antiseptic topical preparation. Serial No. 356,041; Nov. 27. Class 6.

Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, bloomers, step-ins, etc. Serial No. 356,673; Nov. 27. Class 39.

Seagram, Jos. E., & Sons, Inc., Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 357,356; Nov. 27. Class 49.

Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 357,474; Nov. 27. Class 49.

Sheppard Envelope Company, Worcester, Mass. Envelopes. Serial No. 356,783; Nov. 27. Class 37.

Sidebotham, John, Incorporated, Philadelphia, Pa. Tape, binding, edging, etc. Serial No. 351,434; Nov. 27. Class 40.

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Sidebotham, John, Incorporated, Philadelphia, Pa. Tape, binding, edging, etc. Serial No. 356,085; Nov. 27. Class 40.

Silver Swan Liquor Corporation, San Francisco, Calif. Whiskey. Serial No. 356,821; Nov. 27. Class 49.

Silver Swan Liquor Corporation, San Francisco, Calif. Whiskey. Serial No. 356,971; Nov. 27. Class 49.

Slater, S., & Sons, Inc., New York, N. Y. Yarn and thread. Serial No. 356,427; Nov. 27. Class 43.

Smith, James A., New York, N. Y. Wines. Serial No. 357,308; Nov. 27. Class 47.

Springdale Distilling Company. (See Berson, Joseph A.)

Squires, Harry, doing business as Squires Laboratories, Thompsonville, Conn. Preparations for the scalp. Serial No. 356,202; Nov. 27. Class 6.

Stampolog Inc., New York, N. Y. Books. Serial No. 357,258; Nov. 27. Class 38.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. White mineral oil. Serial No. 356,319; Nov. 27. Class 6.

Steinberger Bros. Glove Corp., San Francisco, Calif. Leather gloves. Serial No. 355,775; Nov. 27. Class 39.

Stevens, J. P., & Co. Inc., New York, N. Y. Cotton shirtings. Serial No. 355,330; Nov. 27. Class 42.

Stokes, F. J., Machine Company, Philadelphia, Pa. Tubes of metal for tooth paste, etc. Serial No. 354,395; Nov. 27. Class 2.

Stone Straw Corporation, Washington, D. C. Drinking straws. Serial No. 356,057; Nov. 27. Class 50.

Stride Products Corporation, Cleveland, Ohio. Medicated corn pads and moleskin, medicated instep pads, etc. Serial No. 356,233; Nov. 27. Class 6.

Strong Bag Company, Inc., Richmond, Va. Paper bags. Serial No. 350,815; Nov. 27. Class 2.

Tag Remedy Co., The. (See D'Emo, Leon.)

Thomas & Marcus, Inc., New York, N. Y. Women's underwear. Serial No. 355,689; Nov. 27. Class 39.

Thomas & Marcus, Inc., New York, N. Y. Women's underwear. Serial No. 355,692; Nov. 27. Class 39.

Uncle Sam Chemical Co., Inc., New York, N. Y. Moth and fly spray, insecticide and roach powder. Serial No. 356,650; Nov. 27. Class 6.

United States Rubber Company, New York, N. Y. Golf balls. Serial Nos. 357,313–5; Nov. 27. Class 22.

Upson Company, The, Upson Point, Lockport, N. Y. Fiber board. Serial No. 357,317; Nov. 27. Class 12.

Verley, Albert, Inc., Chicago, Ill. Preparation for imparting aroma or bouquet to butter. Serial No. 342,989; Nov. 27. Class 46.

Vick Chemical Company, Philadelphia, Pa. Medicinal preparation. Serial No. 356,464; Nov. 27. Class 6.

Vick Chemical Company, Philadelphia, Pa. Medicinal preparation. Serial No. 357,449; Nov. 27. Class 6.

Vitality Vitamin Laboratories Limited, The, Melton Mowbray, England. Medicated preparations for veterinary use. Serial No. 353,907; Nov. 27. Class 6.

Vogue Mfg. Co., Newark, N. J. Corsets, brassières, girdles, etc. Serial No. 353,309; Nov. 27. Class 39.

Vollmer, Mary E., doing business as Volmr Studios, Wilton, Conn. Finger protectors. Serial No. 355,952; Nov. 27. Class 44.

Volmr Studios. (See Vollmer, Mary E.)

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. Serial No. 357,264; Nov. 27. Class 49.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. Serial Nos. 357,403–13; Nov. 27. Class 49.

Wallace, William B., Dallas, Tex. Breath deodorant. Serial No. 355,909; Nov. 27. Class 6.

Ward, Thomas, Distilling Company Incorporated, The, Westminster, Md. Whiskey. Serial No. 357,414; Nov. 27. Class 49.

Wathen, John A., Distillery Co., Incorporated, Louisville and Lebanon, Ky. Whiskey. Serial No. 357,265; Nov. 27. Class 49.

Wellington Sears Company, Boston, Mass. Treated cotton piece goods. Serial No. 356,430; Nov. 27. Class 50.

Western Journal Company, Los Angeles, Calif. Periodical. Serial No. 356,396; Nov. 27. Class 38.

Western Newell Mfg. Co., Freeport, Ill. Curtain stretchers. Serial No. 357,185; Nov. 27. Class 24.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical thermometers. Serial No. 356,466; Nov. 27. Class 26.

Wheeler Varnish Works. (See General Paint & Varnish Co.)

Wile, Julius, Sons & Co., Inc., New York, N. Y. Cordials. Serial No. 355,377; Nov. 27. Class 49.

Wile, Julius, Sons & Co., Inc., New York, N. Y. Kirschwasser, a variety of cherry brandy. Serial No. 355,378; Nov. 27. Class 49.

Wile, Julius, Sons & Co., Inc., New York, N. Y. Cuban rum. Serial No. 355,866; Nov. 27. Class 49.

Wilkinson and Mulhm, San Francisco, Calif. Reducing compound. Serial No. 356,429; Nov. 27. Class 6.

Wilmerding & Bisset, New York, N. Y. Canvas. Serial No. 356,242; Nov. 27. Class 42.

Yardley of London, Inc., Union City, N. J. Astringents, astringent cerates, bleach and beauty creams, etc. Serial No. 331,170; Nov. 27. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Acushnet Process Company, Acushnet and New Bedford, Mass. Golf balls. 319,541; Nov. 27; Serial No. 339,744; published Sept. 18, 1934. Class 22.

Aeolian American Corporation. (See American Piano Co., assignor.)

Aimée Lloyd & Co., New York, N. Y., assignor, by mesne assignments, to The Euxesis Corporation, New York, N. Y. Shaving cream. 43,672; renewed Nov. 8, 1934.

Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machines, parts thereof, and accessories therefor. 319,442; Nov. 27; Serial No. 354,592; published Sept. 18, 1934. Class 26.

Alliance Distributors, Inc., New York, N. Y. Still wines. 319,482; Nov. 27; Serial No. 346,542; published Mar. 20, 1934. Class 47.

Allied Battery Corporation, Dayton, Ohio. Storage batteries. 319,550; Nov. 27; Serial No. 344,035; published Jan. 9, 1934. Class 21.

Amalgamated Leather Companies, Inc., Wilmington, Del., Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Rochester, N. Y.; and Chicago, Ill. Leather. 319,445–6; Nov. 27; Serial Nos. 353,973–4; published Sept. 18, 1934. Class 1.

American Hard Rubber Company, Hempstead and New York, N. Y. Combs for the hair. 319,473; Nov. 27; Serial No. 354,017; published Sept. 18, 1934. Class 40.

American Hardware & Supply Company, Pittsburgh, Pa. Cutlery and tools. 103,608; renewed Apr. 6, 1935.

American Lead Pencil Company, New York, N. Y. Lead pencils. 319,474; Nov. 27; Serial No. 344,460; published Feb. 13, 1934. Class 37.

American Piano Co., Jersey City, N. J., and New York, N. Y., assignor, by mesne assignments, to Aeolian American Corporation, New York, N. Y. Piano-players, player-pianos, and note-sheets for the same. 103,335; renewed Mar. 30, 1935.

Amtorg Trading Corporation, New York, N. Y. Safety matches. 319,504; Nov. 27; Serial No. 354,787; published Sept. 25, 1934. Class 9.

Andrews, O. B., Company, Chattanooga, Tenn. Games. 319,437; Nov. 27; Serial No. 355,090; published Sept. 18, 1934. Class 22.

Armsby, J. K., Co., The, assignor to California Packing Corporation, San Francisco, Calif. Salt and baking-powder. 101,439; renewed Dec. 15, 1934.

Atlantic Zinc Works Inc., New York, N. Y. Zinc alloy for photo-engravers' plates. 319,530; Nov. 27; Serial No. 354,501; published Sept. 25, 1934. Class 14.

Baldwin, J. & J., & Partners, Limited, assignors to Patons & Baldwins, Limited, Halifax, England. Yarns. 101,900; renewed Jan. 19, 1935.

Baraff, A., & Sons, Philadelphia, Pa. Men's clothing. 319,502; Nov. 27. Class 39.

Baran, Peter, & Sons, Inc., Harrison, N. J. Leather. 319,487; Nov. 27; Serial No. 347,780; published Sept. 25, 1934. Class 1.

Barrett Company, The, New York, N. Y. Chemical fertilizers. 319,532; Nov. 27; Serial No. 354,366; published Sept. 25, 1934. Class 10.

Bergman, Gerson, doing business as Jay Drug Company, Philadelphia, Pa., assignor to Jack Leventhal, Marcus Hook, Pa. Internal medicine. 319,584; Nov. 27. Class 6.

Betz-Pierce Company, The, Cleveland, Ohio. Cutlery, tools, and machinery. 101,696; renewed Jan. 5, 1935.

Birkedal-Hartmann & Cie. (See Hartmann, Halfdan B.)

Birmingham Apothecary, Inc., Birmingham, Ala. Antiseptic douche powders. 319,603; Nov. 27. Class 6.

Blue Seal Extract Company, Cambridge, Mass. Alcoholic malt beverage and extract therefor. 319,593; Nov. 27. Class 48.

Bonat, Samuel, & Bro., New York, N. Y. Electric permanent hairwaving machines, etc. 319,500; Nov. 27; Serial No. 355,054; published Sept. 25, 1934. Class 44.

Borden's Milk Products Company, Inc., New York, N. Y. Caramel candy. 319,435; Nov. 27; Serial No. 355,138; published Sept. 25, 1934. Class 46.

Bostwick, Ernest E., Salinas, Calif. Fresh vegetables. 319,591; Nov. 27. Class 46.

Boyle, John, & Company, Incorporated, New York, N. Y. Cotton ducks and drills. 319,468; Nov. 27; Serial No. 354,188; published Sept. 18, 1934. Class 42.

Brach, L. S., Mfg. Corp., Newark, N. J. By-pass device used in connection with circuits for electric signs of the neon tube type. 319,598; Nov. 27. Class 21.

Brocton Wine Cellars, Inc., Brocton, N. Y. Wines. 319,537; Nov. 27; Serial No. 354,835; published Sept. 18, 1934. Class 47.

Brooklyn Automobile Burglar Alarm Corp., Brooklyn, N. Y. Electrical protective burglar-alarm systems. 319,577; Nov. 27; Serial No. 353,107; published Sept. 18, 1934. Class 21.

Broome's, Incorporated, Seattle, Wash. Hamburger sandwiches. 319,506; Nov. 27; Serial No. 354,720; published Sept. 25, 1934. Class 46.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, tobacco and snuff. 319,567; Nov. 27; Serial No. 352,712; published Sept. 18, 1934. Class 17.

Bruno, C., & Son, Inc., New York, N. Y. Musical instruments and supplies. 103,311; renewed Mar. 30, 1935.

Bryant Electric Company, The, Bridgeport, Conn. Shadeholders for electric lights. 101,455; renewed Dec. 15, 1934.

Buckeye Tobacco Company, The, Cleveland, Ohio. Chewing and smoking tobacco. 319,575; Nov. 27; Serial No. 353,001; published Sept. 18, 1934. Class 17.

Butler Manufacturing Company, Kansas City, Mo. Hot-air hair-drying systems and hair-drying hot-air distributing helmets. 319,608; Nov. 27. Class 44.

Calgon, Inc., Pittsburgh, Pa. Water softening and cleansing chemical. 319,553; Nov. 27; Serial No. 350,086; published Sept. 18, 1934. Class 4.

California Grape Products Company, Ltd., San Francisco, Calif., and New York, N. Y. Wines. 319,570; Nov. 27; Serial No. 352,780; published Sept. 18, 1934. Class 47.

California Packing Corporation. (See Armsby, J. K., Co., The, assignor.)

California-Vulcan Macaroni Company. (See Vesuvio & Piedmont Paste Co.)

Campana Corporation, Batavia, Ill. Toilet preparation. 319,476; Nov. 27; Serial No. 345,536; published Feb. 20, 1934. Class 6.

Carling Breweries Limited, London, Ontario, Canada. Ales, beers, lagers, etc. 319,486; Nov. 27; Serial No. 347,542; published Sept. 18, 1934. Class 48.

Celluloid Corporation, Newark, N. J. Cylinders, tubes, blocks, etc. 319,458; Nov. 27; Serial No. 353,705; published Sept. 18, 1934. Class 1.

Champion Coated Paper Company, The, Hamilton, Ohio. Printing paper. 319,485; Nov. 27; Serial No. 347,331; published Sept. 18, 1934. Class 37.

Clements Mfg. Co. (See Jewel Vacuum Cleaner Co., assignor.)

Clements Mfg. Co., Chicago, Ill. Carpet-sweepers and vacuum-cleaners. 103,108; renewed Mar. 23, 1935.

Columbia Brewing Company, St. Louis, Mo. Beer. 319,451; Nov. 27; Serial No. 353,879; published Sept. 25, 1934. Class 48.

Columbia Shirt Company, New York, N. Y. Convertible negligée shirts. 102,257; renewed Feb. 2, 1935.

Congoleum-Nairn Inc., Kearny, N. J. Felt base rugs, mats, and floor covering. 319,427; Nov. 27; Serial No. 355,297; published Sept. 25, 1934. Class 20.

Congoleum-Nairn Inc., Kearny, N. J. Felt base rugs, mats, and floor coverings. 319,428; Nov. 27; Serial No. 355,295; published Sept. 25, 1934. Class 20.

Continental Blade Corporation, Brooklyn, N. Y. Razors and razor blades. 319,491; Nov. 27; Serial No. 354,893; published Sept. 18, 1934. Class 28.

Corn Products Refining Company, New York, N. Y. Starch. 100,282; renewed Oct. 20, 1934.

Cotte Manufacturing Co., Inc., New York, N. Y. Non-poisonous fly-catcher paper. 319,559; Nov. 27; Serial No. 351,003; published Sept. 18, 1934. Class 50.

Davis, S. H., Paper Box Co., The, Toledo, Ohio. Toy furniture. 319,436; Nov. 27; Serial No. 355,096; published Sept. 18, 1934. Class 22.

Dayton Color Works Company, The, Dayton, Ohio. Liquid paints. 319,595; Nov. 27. Class 16.

De Beer, J., & Son, Albany, N. Y. Base balls and baseball covers. 319,508–9; Nov. 27; Serial Nos. 354,587–8; published Sept. 25, 1934. Class 22.

Deep Sea Sponge Company. (See Russell, Chris.)

Deisel-Wemmer Gilbert Corp., The, Detroit, Mich. Cigars. 319,558; Nov. 27; Serial No. 350,793; published Sept. 25, 1934. Class 17.

Dejean, Jules, doing business as A. Dejean, Sete, Herault, France. Vermouth. 319,444; Nov. 27; Serial No. 353,980; published Sept. 18, 1934. Class 47.

Duplex Printing Press Co., Battle Creek, Mich. Rotary printing presses and parts thereof. 319,561; Nov. 27; Serial No. 351,972; published Sept. 18, 1934. Class 23.

Durametallic Corporation, Kalamazoo, Mich. Metal packings for moving parts of machinery. 319,472; Nov. 27; Serial No. 354,032; published Sept. 18, 1934. Class 35.

Ebensburg Coal Company, Cambria County and Philadelphia, to Ebensburg Coal Company, Philadelphia, Pa. Coal. 101,141; renewed Nov. 17, 1934.

Eberhard Faber, New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 102,396; renewed Feb. 9, 1935.

Envoy Petroleum Company, Long Beach, Calif. Petroleum products. 319,562; Nov. 27; Serial No. 351,976; published Sept. 18, 1934. Class 15.

Euzesis Corporation, The. (See Aimée Lloyd & Co., assignor.)

Fashion Park Manufacturing Corporation, Rochester, N. Y. Coats, vests, pants, etc. 319,590; Nov. 27. Class 39.

Federal Sweets & Wafer Co., Inc., Brooklyn, N. Y. Candy, marshmallows, wafers, etc. 319,430; Nov. 27; Serial No. 355,252; published Sept. 25, 1934. Class 46.

Ferrandiz, Marcial Samper, Alicante, Spain. Wines. 319,418; Nov. 27; Serial No. 353,510; published Sept. 18, 1934. Class 47.

Fratelli Borghini Fu Augusto, Certaldo, Italy. Wines. 319,480; Nov. 27; Serial No. 346,242; published Sept. 18, 1934. Class 47.

Fredonia Seed Co., Inc., Fredonia, N. Y. Seeds. 319,536; Nov. 27; Serial No. 354,844; published Sept. 25, 1934. Class 1.

Free State Brewery Corporation, Baltimore, Md. Malt beverages. 319,429; Nov. 27; Serial No. 355,255; published Sept. 25, 1934. Class 48.

Galter and Waller, Chicago, Ill. Key containers. 319,467; Nov. 27; Serial No. 354,202; published Sept. 25, 1934. Class 3.

Gamble Stores, Inc., Minneapolis, Minn. Cartridges and ammunition. 319,549; Nov. 27; Serial No. 341,575; published Oct. 24, 1933. Class 9.

Gardner-Richardson Company, The, Middletown, Ohio. Paper board. 319,441; Nov. 27; Serial No. 354,651; published Sept. 18, 1934. Class 37.

Gartner, Henry S., Brooklyn, N. Y. Foot exercisers. 319,426; Nov. 27; Serial No. 353,326; published Sept. 25, 1934. Class 44.

General Electric Company, Schenectady, N. Y. Laundry washing machines and ironing machines. 319,568; Nov. 27; Serial No. 352,731; published Sept. 25, 1934. Class 24.

General Electric Company, Schenectady, N. Y. Electric refrigerating machines and parts thereof. 319,569; Nov. 27; Serial No. 352,734; published Sept. 25, 1934. Class 31.

Gershon & Schreiber, New York, N. Y. Pins and snap fasteners. 319,463; Nov. 27; Serial No. 353,643; published Sept. 18, 1934. Class 40.

Glendale Beverage Co., Kansas City, Mo. Maltless beverages. 319,461–2; Nov. 27; Serial Nos. 353,645–6; published Sept. 25, 1934. Class 45.

Goldberg, Abraham, doing business as Pet Shop Products Company, Yonkers, N. Y. Foods for fish. 319,448; Nov. 27; Serial No. 353,923; published Sept. 18, 1934. Class 46.

Good Humor Corporation of America, Inc., Brooklyn, N. Y. Bakery products. 319,423; Nov. 27; Serial No. 353,392; published Sept. 18, 1934. Class 46.

Good Humor Corporation of America, Inc., Brooklyn, N. Y. Dairy products. 319,424; Nov. 27; Serial No. 353,390; published Sept. 18, 1934. Class 46.

Good Humor Corporation of America, Inc., Brooklyn, N. Y. Nuts, dates, layer figs, etc. 319,425; Nov. 27; Serial No. 353,388; published Sept. 18, 1934. Class 46.

Grasselli Chemical Company, The, Cleveland, Ohio. Detergents. 319,421; Nov. 27; Serial No. 353,395; published Sept. 18, 1934. Class 4.

Grasselli Chemical Company, The, Cleveland, Ohio. Cadmium metal, cadmium anodes, indium metal, etc. 319,422; Nov. 27; Serial No. 353,394; published Sept. 18, 1934. Class 14.

Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Bed springs or the like. 319,496; Nov. 27; Serial No. 354,987; published Sept. 18, 1934. Class 32.

Grove, Howard S., doing business as Doc Grove's and as Smoke-O-Graph, Los Angeles, Calif. Cigarettes and cigars. 319,555; Nov. 27; Serial No. 350,272; published Sept. 25, 1934. Class 17.

Gudmundsen, Austin, doing business as Gudmundsen-Stratton Laboratories, Milwaukee, Wis. Filtering apparatus and devices. 319,566; Nov. 27; Serial No. 352,438; published Sept. 18, 1934. Class 31.

Gulf Canners, Tampa, Fla. Canned citrus fruit juices. 319,518; Nov. 27; Serial No. 353,173; published Sept. 18, 1934. Class 45.

Gulf Refining Company, Pittsburgh, Pa. Maps. 319,531; Nov. 27; Serial No. 354,442; published Sept. 18, 1934. Class 38.

Hall, Horace W., Newton Center, Mass. Tennis rackets. 319,505; Nov. 27; Serial No. 354,748; published Sept. 18, 1934. Class 22.

Hammett, J. L., Company, Cambridge, Mass., and Newark, N. J. Metal crayon boxes. 319,497; Nov. 27; Serial No. 354,994; published Sept. 18, 1934. Class 2.

Hanan & Son, Inc., Brooklyn, N. Y. Boots, shoes, and slippers. 319,563; Nov. 27; Serial No. 352,239; published Sept. 18, 1934. Class 39.

Hartmann, Halfdan B., doing business as Birkedal-Hartman & Cie, Bordeaux, France. Wines. 319,579–80; Nov. 27. Class 47.

Harvard Brewing Co., Lowell, Mass. Malt beverages. 319,529; Nov. 27; Serial No. 339,521; published Aug. 15, 1933. Class 48.

Harvard Brewing Co., Lowell, Mass. Malt beverages. 319,540; Nov. 27; Serial No. 339,524; published Feb. 6, 1934. Class 48.

Hazel-Atlas Glass Company, Wheeling, W. Va. Liners for closure caps. 319,512; Nov. 27; Serial No. 354,565; published Sept. 18, 1934. Class 35.

Heileman, G., Brewing Co., La Crosse, Wis. Beer. 319,501; Nov. 27; Serial No. 355,063; published Sept. 18, 1934. Class 48.

Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Colo. Red sheet packing. 319,450 Nov. 27; Serial No. 353,892; published Sept. 18, 1934. Class 35.

Hoffmann-La Roche Chemical Works, New York, N. Y., The, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation for producing anesthesia. 103,288; renewed Mar. 20, 1935.

Hollywood's Pomegranate Juice Co., Chicago, Ill. Maltless fruit juices. 319,527; Nov. 27; Serial No. 337,281; published Sept. 18, 1934. Class 45.

Holsten, Richard. (See Rubin, I. J.-Richard Holsten.)

Houghton, E. F., & Co., Philadelphia, Pa. Preventive of oxidation. 102,104; renewed Jan. 26, 1935.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial textile fibers. 319,494; Nov. 27; Serial No. 354,929; published Sept. 25, 1934. Class 1.

Illinois Farm Supply Company, Chicago, Ill. Lubricating oils. 319,526; Nov. 27; Serial No. 331,485; published Dec. 27, 1932. Class 15.

Inkograph Co., Inc. (See Wallace, Joseph, assignor.)

International Mutoscope Reel Co. Inc., New York, N. Y. Amusement device. 319,433; Nov. 27; Serial No. 355,192; published Sept. 25, 1934. Class 22.

International Shoe Co., St. Louis, Mo. Boots and shoes. 319,419; Nov. 27; Serial No. 353,477; published Sept. 18, 1934. Class 39.

International Shoe Co., St. Louis, Mo. Boots and shoes. 319,460; Nov. 27; Serial No. 353,656; published Sept. 18, 1934. Class 39.

Jay Drug Company. (See Bergman, Gerson.)

Jewel Vacuum Cleaner Co., assignor to Clements Mfg. Co., Chicago, Ill. Vacuum cleaners. 103,290; renewed Mar. 30, 1935.

Jlil, Frank, of Florida, Inc., Fort Lauderdale, Fla. Fresh vegetables and citrus fruits. 319,477; Nov. 27; Serial No. 345,653; published Sept. 18, 1934. Class 46.

Johnson, S. C., & Son, Inc., Racine, Wis. Mops and dusters. 319,479; Nov. 27; Serial No. 327,222; published Aug. 23, 1932. Class 29.

Julep Cigarette Company, assignor, by mesne assignments, to Julep Tobacco Company, Boston, Mass. Cigarettes. 319,547; Nov. 27; Serial No. 340,476; published Sept. 25, 1934. Class 17.

Kanstoroom, Bernard, Washington, D. C. Ophthalmic lenses. 319,602; Nov. 27. Class 26.

Kellogg Toasted Corn Flakes Company, assignor to Kellogg Company, Battle Creek, Mich. Paper. 102,024; renewed March 2, 1935.

Kenyon Transformer Co. Inc., New York, N. Y. Transformers. 319,470; Nov. 27; Serial No. 354,123; published Sept. 18, 1934. Class 21.

King Milling Co., The, Lowell, Mich. Wheat-flour. 102,117; renewed Jan. 26, 1935.

Kinney, G. R., Co., Inc., New York, N. Y. Tennis shoes. 319,560; Nov. 27; Serial No. 351,467; published Sept. 18, 1934. Class 39.

Kluzen, Herman A., Madison, N. J. Wine. 319,564; Nov. 27; Serial No. 352,378; published Sept. 18, 1934. Class 47.

Kopitzke, Frederick, New York, N. Y. Insecticides, roach powders, etc. 103,293; renewed Mar. 30, 1935.

Krantz Brewing Company, The, Findlay, Ohio. Beer. 319,443; Nov. 27; Serial No. 354,685; published Sept. 25, 1934. Class 48.

Krumm, A. C., & Son Macaroni Company, Philadelphia, Pa. Macaroni products. 319,481; Nov. 27; Serial No. 346,244; published Sept. 18, 1934. Class 46.

Laird & Company, Scobeyville and Eatontown, N. J. Brandy. 319,585–9; Nov. 27. Class 49.

Les Hoteliers et Restaurateurs Francais, Société Anonyme, Paris, France. Still and sparkling wines. 319,554; Nov. 27; Serial No. 350,200; published Sept. 18, 1934. Class 47.

Leventhal, Jack. (See Bergman, Gerson, assignor.)

Liquid Veneer Corporation, Buffalo, N. Y. Oils used for lubricating and preventing rust. 319,571; Nov. 27; Serial No. 352,862; published Sept. 18, 1934. Class 15.

Los Angeles Soap Co., doing business as White King Soap Co., Los Angeles, Calif. Soap. 319,539; Nov. 27; Serial No. 354,802; published Sept. 18, 1934. Class 4.

Mackeson & Co., Limited, Hythe, Kent, England. Beer, ale, stout, etc. 319,572; Nov. 27; Serial No. 352,863; published Sept. 25, 1934. Class 48.

Maison, Moët & Chandon Fondee En 1743, Société Anonyme, Epernay, France. Champagne wines. 319,515; Nov. 27; Serial No. 354,513; published Sept. 18, 1934. Class 47.

Manville Company, Providence, to Manville Jenckes Corporation, Manville, R. I., successor. Napkins. 94,560; renewed Dec. 16, 1933.

Manzler, Clarence H., doing business as Manzler Memo-Chart Company, Rochester, N. Y. Memorandum and appointment books. 319,465; Nov. 27; Serial No. 354,254; published Sept. 18, 1934. Class 37.

Marathon Paper Mills Company, Rothschild, Wis. Moistureproof, self-sealing flat wrapper. 319,466; Nov. 27; Serial No. 354,211; published Sept. 18, 1934. Class 37.

Marqués del Real Tesoro y Compañia, Jerez de la Frontera, Spain. Wines. 319,438; Nov. 27; Serial No. 355,072; published Sept. 18, 1934. Class 47.

McCormick & Co., assignor to McCormick & Co. Incorporated, Baltimore, Md. Pharmaceutical preparations and medicines. 103,591; renewed Apr. 6, 1935.

McKay Company, Pittsburgh, Pa. Chairs, stools, tables, etc. 354,997; Nov. 27; Serial No. 319,498; published Sept. 18, 1934. Class 32.

Mercirex Co., The, Milford, Del. Soap for dogs. 319,471; Nov. 27; Serial No. 354,048; published Sept. 18, 1934. Class 4.

Merrill Packing Company, Inc., Ltd., The, Salinas, Calif. Fresh vegetables. 319,434; Nov. 27; Serial No. 355,225; published Sept. 25, 1934. Class 46.

Meyer, Arthur G., New York, N. Y. Vermouth. 319,459; Nov. 27; Serial No. 353,665; published Sept. 18, 1934. Class 47.

Ming Toy Sweets Manufacturing Co., Inc., New York, N. Y. Candy and chocolates. 319,605; Nov. 27. Class 46.

Mirrolike Mfg. Co., Inc., Long Island City, N. Y. Wax polish. 319,514; Nov. 27; Serial No. 354,517; published Sept. 18, 1934. Class 16.

Mitchell-Tappen Company, New York, N. Y. Device for offset furring. 100,378; renewed Oct. 20, 1934.

Monark Battery Company, Inc., Chicago, Ill. Storage batteries. 319,475; Nov. 27; Serial No. 344,914; published Sept. 18, 1934. Class 21.

Morse Chain Company, Detroit, Mich. Machinery shaft couplings. 319,489; Nov. 27; Serial No. 348,549; published Sept. 18, 1934. Class 23.

Mutterperl, Sol, Inc., New York, N. Y. Hand bags. 319,535; Nov. 27; Serial No. 354,854; published Sept. 25, 1934. Class 3.

New Home Sewing Machine Company, The, Rockford, Ill. Sewing machines and attachments. 319,511; Nov. 27; Serial No. 354,572; published Sept. 18, 1934. Class 23.

New Jersey Optical Company, Newark, N. J. Optical frames and mountings. 319,492; Nov. 27; Serial No. 354,906; published Sept. 18, 1934. Class 26.

New Wooster Preserving Co., The, by change of name to The Wooster Preserving Co., Wooster, Ohio. Catsup, jells, jams, pickles, etc. 101,960; renewed Jan. 19, 1935.

Nott, W. S., Company, Minneapolis, Minn. Rubber roofing. 102,580; renewed Feb. 16, 1935.

Ohio Brass Co., The, Mansfield, Ohio. Splicers, connectors, couplings, etc. 319,551; Nov. 27; Serial No. 349,789; published June 12, 1934. Class 21.

Ohio Farmers' Grain & Supply Association, The, Fostoria, Ohio. Bread and flour. 319,542; Nov. 27; Serial No. 340,053; published Sept. 18, 1934. Class 46.

Overland Beverage Company, Inc., Nampa, Idaho. Beer. 319,507; Nov. 27; Serial No. 354,716; published Sept. 25, 1934. Class 48.

Paas Dye Company, Newark, N. J. Decorative wrappers for Easter eggs. 319,523; Nov. 27; Serial No. 353,296; published Sept. 18, 1934. Class 37.

Pacific Coast Wineries, Inc., Los Angeles, Calif. Wines. 319,534; Nov. 27; Serial No. 354,867; published Sept. 18, 1934. Class 47.

Pacific Tank & Pipe Co., San Francisco, Calif. Silos and tanks. 103,297; renewed Mar. 30, 1935.

Patons & Baldwins, Limited. (See Baldwin, J. & J., & Partners, Limited, assignor.)

Patterson-Sargent Company, The, Cleveland, Ohio. Paints, enamels, stains, etc. 100,024; renewed Sept. 29, 1934.

Pender, David, Grocery Co., Norfolk, Va. Cocoa and chocolate. 319,449; Nov. 27; Serial No. 353,901; published Sept. 18, 1934. Class 46.

Perfect Packers, Tampa, Fla. Canned grapefruit juice. 319,493; Nov. 27; Serial No. 354,907; published Sept. 18, 1934. Class 45.

Perfection Equipment Company, Kansas City, Mo. Confection dipper. 319,495; Nov. 27; Serial No. 354,046; published Sept. 18, 1934. Class 23.

Pet Shop Products Company. (See Goldberg, Abraham.)

Pharma-Craft Corporation, The, Louisville, Ky. Hand balm. 319,504; Nov. 27. Class 6.

Phillips Brothers, Baltimore, Md. Ginger ale. 319,483; Nov. 27; Serial No. 346,593; published Apr. 3, 1934. Class 45.

Phillips, J. A., and Company, Limited, Smethwick, near Birmingham, England. Component parts of bicycles, bicycle fittings, and accessories. 319,599; Nov. 27. Class 19.

Pilsen Brewing Company, Chicago, Ill. Beer. 319,432; Nov. 27; Serial No. 355,232; published Sept. 25, 1934. Class 48.

Pittsburgh Coal Carbonization Company, Pittsburgh, Pa. Coal and coke. 319,578; Nov. 27; Serial No. 353,142; published Sept. 18, 1934. Class 1.

Pontiac Razor Blade Co., New York, N. Y. Razor blades and razors. 319,513; Nov. 27; Serial No. 354,521; published Sept. 18, 1934. Class 28.

Portal, Dingwall & Norris. (See Saunders, James, & Co., Limited, assignor.)

Premier Shoe Co. Inc., Long Island City, N. Y. Ladies' shoes. 319,439; Nov. 27; Serial No. 354,136; published Sept. 18, 1934. Class 39.

Price Brothers, Boston, Mass. Gin, whiskey, rum, and brandy. 319,601; Nov. 27. Class 49.

Quigley Publishing Company, Inc., New York, N. Y. Section of a weekly motion-picture magazine. 319,516; Nov. 27; Serial No. 353,145; published Sept. 18, 1934. Class 38.

Quigley Publishing Company, Inc., New York, N. Y. Motion-picture magazine. 319,517; Nov. 27; Serial No. 353,146; published Sept. 18, 1934. Class 38.

Rainier Brewing Company, Inc. (See Seattle Brewing and Malting Co., assignor.)

Rainer Products Inc., New York, N. Y. Glass sugar containers. 319,457; Nov. 27; Serial No. 353,727; published Sept. 18, 1934. Class 33.

Raulli, Ralph, doing business as Sunland Biscuit Co., Los Angeles, Calif. Semolina products. 319,600; Nov. 27. Class 46.

Reliance Products, Inc., Cleveland, Ohio. Flavors for cigars, cigarettes, and pipe tobacco. 319,574; Nov. 27; Serial No. 352,988; published Sept. 25, 1934. Class 8.

Rhoads, J. E., & Sons, Philadelphia, Pa. Moccasin laces, boot and shoe laces, etc. 319,464; Nov. 27; Serial No. 354,319; published Sept. 18, 1934. Class 40.

Roberts, Lucille, Brooklyn, N. Y. Hair grower, pressing oil for straightening the hair, tar oil, etc. 319,604; Nov. 27. Class 6.

Rocky Mount Mills, Rocky Mount, N. C. Twine made of cotton yarn. 319,417; Nov. 27; Serial No. 353,556; published Sept. 25, 1934. Class 7.
Rose, Joseph, New York, N. Y. Collapsible boats. 319,544; Nov. 27; Serial No. 340,175; published Sept. 18, 1934. Class 19.
Rubin, I. J.-Richard Holsten, New York, N. Y. Ladies' suits and coats. 319,418; Nov. 27; Serial No. 353,582; published Sept. 18, 1934. Class 39.
Rueter and Company, Boston, Mass. Ale. 319,552; Nov. 27; Serial No. 349,790; published Sept. 25, 1934. Class 48.
Russell, Chris., doing business as Deep Sea Sponge Company, Tarpon Spring, Fla. Sponges. 319,453; Nov. 27; Serial No. 353,821; published Sept. 25, 1934. Class 1.
Ruxton Products, Inc., New York, N. Y. Adhesives. 319,502; Nov. 27; Serial No. 354,872; published Sept. 25, 1934. Class 5.
S. & S. Cone Corporation, New York, N. Y. Sugar cones and waffles. 319,520; Nov. 27; Serial No. 353,239; published Sept. 18, 1934. Class 46.
Sankey, Joseph, & Sons, Ltd., Bilston, England. Sheet-metal transformer and dynamo plates. 100,035; renewed Sept. 29, 1934.
Saunders, James, & Co., Limited, assignor, by mesne assignments, to Portal, Dingwall & Norris, London, England. Whisky. 43,513; renewed Oct. 11, 1934.
Schechter-Guinsberg, Inc., New York, N. Y. Fur skins. 319,420; Nov. 27; Serial No. 353,448; published Sept. 18, 1934. Class 1.
Schmid, Julius, Inc. (See Schneider, Hugo, assignor.)
Schneider, Hugo, assignor to Julius Schmid, Inc., New York, N. Y. Nursing nipples. 102,455; renewed Feb. 9, 1935.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Adhesive plaster, bandage plaster, and foot plaster. 319,503; Nov. 27; Serial No. 354,810; published Sept. 25, 1934. Class 44.
Schroeder Bros., Inc., New York, N. Y. Wine. 319,565; Nov. 27; Serial No. 352,633; published Sept. 18, 1934. Class 47.
Schwab & Wuischpard, New York, N. Y. Watchcases. 319,522; Nov. 27; Serial No. 353,251; published Sept. 25, 1934. Class 27.
Schwarze Electric Company, Adrian, Mich. Gage and indicating instruments. 319,528; Nov. 27; Serial No. 338,851; published Sept. 18, 1934. Class 26.
Seagram, Jos. E., & Sons, Inc., Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,607; Nov. 27. Class 49.
Sears, Roebuck and Co., Chicago, Ill. Knives and forks. 319,606; Nov. 27. Class 23.
Seattle Brewing and Malting Co., Seattle, Wash., assignor to Rainier Brewing Company, Inc., San Francisco, Calif. Beer. 101,651; renewed Jan. 5, 1935.
Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y. Sewing machine parts and attachments. 319,490; Nov. 27; Serial No. 355,001; published Sept. 18, 1934. Class 23.
Smith, Chas. S., doing business as C. S. Smith Company, Los Angeles, Calif. Paint products. 319,484; Nov. 27; Serial No. 346,711; published Sept. 18, 1934. Class 16.
Smoke-O-Graph. (See Grove, Howard S.)
Sociedad Vinicola, S. & L. Durlacher, Hamburg, Germany. Wine. 319,478; Nov. 27; Serial No. 345,810; published Sept. 18, 1934. Class 47.
Sophia Company, Inc., New York, N. Y. Switches made of human hair. 319,573; Nov. 27; Serial No. 352,930; published Sept. 18, 1934. Class 40.
Spaulding-Gorham, Inc., Chicago, Ill. Dishes. 319,596; Nov. 27. Class 30.
Spaulding-Gorham, Inc., Chicago, Ill. Glasses, tumblers, goblets, etc. 319,597; Nov. 27. Class 33.
Speidel Corporation, Providence, R. I. Bridge score indicators. 319,431; Nov. 27; Serial No. 355,238; published Sept. 25, 1934. Class 22.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Oil for use in domestic ranges. 319,543; Nov. 27; Serial No. 340,135; published Sept. 18, 1934. Class 15.
Stark Bro's Nurseries & Orchards Co., Louisiana, Mo. Nursery stock. 319,519; Nov. 27; Serial No. 353,186; published Sept. 18, 1934. Class 1.
Strohmeyer & Arpe Company, New York, N. Y. Olive oil. 319,548; Nov. 27; Serial No. 340,934; published Sept. 11, 1934. Class 46.
Sunday Creek Coal Company, The, Columbus, Ohio. Coal. 319,440; Nov. 27; Serial No. 354,879; published Sept. 25, 1934. Class 1.
Sunland Biscuit Co. (See Raulli, Ralph.)
Sunny Hill Wineries, Chicago, Ill. Wine. 319,538; Nov. 27; Serial No. 354,814; published Sept. 18, 1934. Class 47.
Tetley, Joseph, & Co., Inc., New York, N. Y. Beer, porter, ale, etc. 319,521; Nov. 27; Serial No. 353,244; published Sept. 18, 1934. Class 48.
Thackray, James C., Long Beach, Calif. Granular effervescent bismuth combination. 319,581; Nov. 27. Class 6.
Thomulka, Maximilian J., South Langhorne, Pa. Ladies' silk hosiery. 319,452; Nov. 27; Serial No. 353,827; published Sept. 18, 1934. Class 39.
Trumbull Electric Manufacturing Company, The, Plainville, Conn. Electric switches, electric cut-outs, electric clamps, etc. 319,582; Nov. 27. Class 21.
United Refining Company, Warren, Pa. Gasoline, and lubricating oil and greases. 319,545–6; Nov. 27; Serial Nos. 340,208–9; published Sept. 18, 1934. Class 15.
Universal Pictures Corporation, New York, N. Y. Motion-picture photoplays. 319,447; Nov. 27; Serial No. 353,959; published Sept. 18, 1934. Class 26.
Van Camp Hardware & Iron Company, Indianapolis, Ind. Wash basins, dish pans, etc. 319,456; Nov. 27; Serial No. 353,780; published Sept. 18, 1934. Class 13.
Vesuvio & Piedmont Paste Co., to California-Vulcan Macaroni Company, trading as Vesuvio & Piedmont Paste Co., San Francisco, Calif., successor. Alimentary paste products. 96,469; renewed Apr. 21, 1934.
Victoria Avenue Citrus Association, Riverside, Calif. Fresh citrus fruits. 319,488; Nov. 27; Serial No. 348,532; published Sept. 18, 1934. Class 46.
Walker, Hiram, & Sons, Limited, Walkerville, Canada, and Detroit, Mich., assignor to Hiram Walker & Sons Inc., Peoria, Ill. Whisky. 102,661–2; renewed Feb. 16, 1935.
Walker, Hiram, & Sons, Limited, Walkerville, Canada, and Detroit, Mich., assignor to Hiram Walker & Sons Inc., Peoria, Ill. Whisky. 102,913; renewed Mar. 2, 1935.
Wallace, Joseph, assignor to Inkograph Co., Inc., New York, N. Y. Fountain pens. 103,134; renewed Mar. 16, 1935.
Wander, Dr. A., A. G., Bern, Switzerland. Food drink. 100,925; renewed Oct. 27, 1934.
Weather-Proof Flashing Co., New Brunswick, N. J. Flashing. 319,533; Nov. 27; Serial No. 354,331; published Sept. 18, 1934. Class 12.
Weidlich Sterling Spoon Co., Bridgeport, Conn. Table silverware. 319,583; Nov. 27. Class 28.
Westinghouse Lamp Company, Bloomfield, N. J. Incandescent lamps. 103,017; renewed Mar. 16, 1935.
White King Soap Co. (See Los Angeles Soap Co.)
White Satin Mills Corporation, Minneapolis, Minn. Sugar. 319,525; Nov. 27; Serial No. 268,944; published Nov. 27, 1928. Class 46.
Whiting-Plover Paper Company, Stevens Point, Wis. Paper. 103,306; renewed Mar. 30, 1935.
Wildrose Orchards, Los Angeles, Calif. Fresh citrus fruits. 319,556–7; Nov. 27; Serial Nos. 350,297–8; published Sept. 18, 1934. Class 46.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Fertilizer and fertilizer materials. 319,510; Nov. 27; Serial No. 354,586; published Sept. 18, 1934. Class 10.
Woodward & Lothrop, Washington, D. C. Coffee. 319,490; Nov. 27; Serial No. 354,881; published Sept. 18, 1934. Class 46.
Wooster Preserving Co., The. (See New Wooster Preserving Co., The.)
Worcester Salt Company, New York, N. Y. Butter, coffee, mustard, etc. 319,455; Nov. 27; Serial No. 353,782; published Sept. 18, 1934. Class 46.
Worcester Salt Co., New York, N. Y. Salt. 319,469; Nov. 27; Serial No. 354,146; published Sept. 18, 1934. Class 46.
York Pharmacal Company, doing business as The York Co., St. Louis, Mo. Pastes, polishes, creams, etc. 319,454; Nov. 27; Serial No. 353,783; published Sept. 18, 1934. Class 4.
Zip Manufacturing Co., Buffalo, N. Y. Cabinet for dispensing paper bags. 319,524; Nov. 27; Serial No. 353,313; published Sept. 18, 1934. Class 2.

LIST OF REGISTRANTS OF LABELS

Bailey Brothers, Miami, Fla. Re-Leaf. For a Preparation for Athlete's Foot, Ringworm, Pimples, Eczema, All Forms of Itch, Florida Sores, Ulcers, and Insect Bites. 44,682; Nov. 27.
Benicia Fisheries, Inc., Benicia, Calif. Smacklets. For Canned Fish Tenderloins. 44,683; Nov. 27.
Candy-Cod Corporation, The, Detroit, Mich. Candy-Cod. For Vitamin D Chocolate Bars. 44,684; Nov. 27.
Clean Products Company. (See Gusler, Geo. T.)
Dallas Brewery, Inc., Dallas, Tex. White Rose. For Beer. 44,685; Nov. 27.
Ericson, John A., Youngstown, Ohio. Vital Rejuvator. For Galvanic and Pulsating Sinusoidal Machines. 44,686; Nov. 27.
Gusler, Geo. T., doing business as Clean Products Company, Columbus, Ohio. Clean. For a Wall-Paper Cleaner. 44,687; Nov. 27.
H & M Chemical Company, Portland, Oreg. Glaskote. For a Liquid Finish for Linoleums. 44,688; Nov. 27.
Jeanne D'Arc Products Co., New Orleans, La. Herbe Sainte Jeanne D'Arc. For a Vegetable Herb. 44,689; Nov. 27.
L. B. Laboratories, Inc., Los Angeles, Calif. L. B. For Hair Oil. 44,690; Nov. 27.
Micky Malto Products Co., San Francisco, Calif. Malvitose. For a Concentrated and Scientifically Processed Food. 44,691; Nov. 27.
Nesbitt, Carl E., Pawhuska, Okla. Spavinaw. For Coffee. 44,692; Nov. 27.

CARNEGIE LIBRARY OF ATLANTA

Norsid Company, The, New York, N. Y. All America Campus Writing Paper. For Writing Paper. 44,693; Nov. 27.
Sambo Dairy Products, Inc., New York, N. Y. Scotch Lassie. For Strawberry Preserves. 44,694; Nov. 27.
Standard Brands Incorporated, New York, N. Y. Chase and Sanborn's. For Coffee. 44,695; Nov. 27.
United Paper Company, Inc., Richmond, Va. Jack Frost Fibre. For Wrapping Paper. 44,696; Nov. 27.
Yochim, J. C., Co., Inc., New Orleans, La. Liquere D'Elite. For a Distilled Alcoholic Liqueur. 44,697; Nov. 27.
Yukon Mill and Grain Company, Yukon, Okla. Yukons Best. For Fancy Pearl Meal. 44,698; Nov. 27.
Yukon Mill and Grain Company, Yukon, Okla. Yukons Best. For Fancy Cream Meal. 44,699; Nov. 27.
Yukon Mill and Grain Company, Yukon, Okla. Yukons Best. For Family Home Ground White Meal. 44,700; Nov. 27.

LIST OF REGISTRANTS OF PRINTS

General Mills, Inc., Minneapolis, Minn. Buring Cheaper Flour Saved Her 1¼¢ But Lost Her 88¢ When 3 Pies Failed. For Flour. 14,923; Nov. 27.
General Mills, Inc., Minneapolis, Minn. Mrs. William Schoellkopf Tells Very Simple Way to Make Your Dinners Smarter. For Biscuit Flour. 14,924; Nov. 27.
General Mills, Inc., Minneapolis, Minn. Who Has a Husband Like Mrs. Kistler's . . . "Mum" on Meals? For Biscuit Flour. 14,925; Nov. 27.
General Mills, Inc., Minneapolis, Minn. Countess de Forceville Gives a Smart New Idea for Your Fall Luncheons. For Biscuit Flour. 14,926; Nov. 27.
General Mills, Inc., Minneapolis, Minn. If You Like Smart Table Appointments for Entertaining Kindly Accept This Amazing Offer. For Cake Flour. 14,927; Nov. 27.
Lee, H. D., Mercantile Company, The, Kansas City, Mo. Look for the Overall. For Men's and Boys' Overalls. 14,928; Nov. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Ebensburg Coal Company. 101,141; renewed Nov. 17, 1934.
Coal. Sunday Creek Coal Company. 319,440; Nov. 27; Serial No. 354,879; published Sept. 25, 1934.
Coal and coke. Pittsburgh Coal Carbonization Company. 319,578; Nov. 27; Serial No. 353,142; published Sept. 18, 1934.
Cylinders, tubes, blocks, etc. Celluloid Corporation. 319,458; Nov. 27; Serial No. 353,705; published Sept. 18, 1934.
Leather. Amalgamated Leather Companies. 319,445–6; Nov. 27; Serial Nos. 353,973–4; published Sept. 18, 1934.
Leather. Peter Baran & Sons, Inc. 319,487; Nov. 27; Serial No. 347,780; published Sept. 25, 1934.
Nursery stock. Stark Bro's Nurseries & Orchards Co. 319,519; Nov. 27; Serial No. 353,186; published Sept. 18, 1934.
Seeds. Fredonia Seed Co. 319,536; Nov. 27; Serial No. 354,844; published Sept. 25, 1934.
Skins, Fur. Schechter-Guinsberg, Inc. 319,420; Nov. 27; Serial No. 353,448; published Sept. 18, 1934.
Sponges. C. Russell. 319,453; Nov. 27; Serial No. 353,821; published Sept. 25, 1934.
Textile fibers, Artificial. I. G. Farbenindustrie Aktiengesellschaft. 319,494; Nov. 27; Serial No. 354,929; published Sept. 25, 1934.

CLASS 2

Boxes, Metal crayon. J. L. Hammett Company. 319,497; Nov. 27; Serial No. 354,994; published Sept. 18, 1934.
Cabinet for dispensing paper bags. Zip Manufacturing Co. 319,524; Nov. 27; Serial No. 353,313; published Sept. 18, 1934.
Silos and tanks. Pacific Tank & Pipe Co. 103,297; renewed Mar. 30, 1935.

CLASS 3

Bags, Hand. Sol Mutterperl, Inc. 319,535; Nov. 27; Serial No. 354,854; published Sept. 25, 1934.
Containers, Key. Galter and Waller. 319,467; Nov. 27; Serial No. 354,202; published Sept. 25, 1934.

CLASS 4

Detergents. Grasselli Chemical Company. 319,421; Nov. 27; Serial No. 353,395; published Sept. 18, 1934.
Pastes, polishes, creams, etc. York Pharmacal Company. 319,454; Nov. 27; Serial No. 353,783; published Sept. 18, 1934.
Shaving-cream. Aimée Lloyd & Co. 43,672; renewed Nov. 8, 1934.
Soap. Los Angeles Soap Co. 319,539; Nov. 27; Serial No. 354,802; published Sept. 18, 1934.
Soap for dogs. Mercirex Co. 319,471; Nov. 27; Serial No. 354,048; published Sept. 18, 1934.
Water softening and cleansing chemical. Calgon, Inc. 319,553; Nov. 27; Serial No. 350,086; published Sept. 18, 1934.

CLASS 5

Adhesives. Ruxton Products, Inc. 319,502; Nov. 27; Serial No. 354,872; published Sept. 25, 1934.

CLASS 6

Balm, Hand. Pharma-Craft Corporation. 319,594; Nov. 27.
Bismuth Combination, Granular effervescent. J. C. Thackray. 319,581; Nov. 27.
Hair grower, pressing oil for straightening the hair, tar oil, etc. L. Roberts. 319,604; Nov. 27.
Insecticides, roach powders, etc. F. Kopitzke. 103,293; renewed Mar. 30, 1935.
Medicinal preparation. Hoffmann-La Roche Chemical Works. 103,288; renewed Mar. 30, 1935.
Medicine. G. Bergman. 319,584; Nov. 27.
Pharmaceutical preparations and medicines. McCormick & Co. 103,591; renewed Apr. 6, 1935.
Powders, Antiseptic douche. Birmingham Apothecary, Inc. 319,603; Nov. 27.
Starch. Corn Products Refining Company. 100,282; renewed Oct. 20, 1934.
Toilet preparation. Campana Corporation. 319,476; Nov. 27; Serial No. 345,536; renewed Feb. 20, 1934.

CLASS 7

Twine of cotton yarn. Rocky Mount Mills. 319,417; Nov. 27; Serial No. 353,556; published Sept. 25, 1934.

CLASS 8

Flavors for cigars, cigarettes, and pipe tobacco. Reliance Products, Inc. 319,574; Nov. 27; Serial No. 352,988; published Sept. 25, 1934.

CLASS 9

Cartridges and ammunition. Gamble Stores, Inc. 319,549; Nov. 27; Serial No. 341,575; published Oct. 24, 1933.
Matches, Safety. Amtorg Trading Corporation. 319,504; Nov. 27; Serial No. 354,787; published Sept. 25, 1934.

CLASS 10

Fertilizer and fertilizer materials. Wilson & Toomer Fertilizer Co. 319,510; Nov. 27; Serial No. 354,586; published Sept. 18, 1934.
Fertilizers, Chemical. Barrett Company. 319,532; Nov. 27; Serial No. 354,366; published Sept. 25, 1934.

CLASS 12

Device for offset furring. Mitchell-Tappen Company. 100,378; renewed Oct. 20, 1934.
Flashing. Weather-Proof Flashing Co. 319,533; Nov. 27; Serial No. 354,331; published Sept. 18, 1934.
Roofing, Rubber. W. S. Nott Company. 102,580; renewed Feb. 16, 1935.

CLASS 13

Basins, dish pans, etc., Wash. Van Camp Hardware & Iron Company. 319,456; Nov. 27; Serial No. 353,780; published Sept. 18, 1934.

CLASS 14

Cadmium metal, cadmium anodes, indium metal, etc. Grasselli Chemical Company. 319,422; Nov. 27; Serial No. 353,394; published Sept. 18, 1934.
Zinc-alloy for photo engravers' plates. Atlantic-Zinc Works Inc. 319,530; Nov. 27; Serial No. 354,501; published Sept. 25, 1934.

CLASS 15

Gasoline and lubricating oil, and greases. United Refining Company. 319,545–6; Nov. 27; Serial Nos. 340,208–9; published Sept. 18, 1934.
Oil for use in domestic ranges. Standard Oil Company of California. 319,543; Nov. 27; Serial No. 340,135; published Sept. 18, 1934.
Oils, Lubricating. Illinois Farm Supply Company. 319,526; Nov. 27; Serial No. 331,485; published Dec. 27, 1932.
Oils used for lubricating and preventing rust. Liquid Veneer Corporation. 319,571; Nov. 27; Serial No. 352,862; published Sept. 18, 1934.
Oxidation, Preventive of. E. F. Houghton & Co. 102,104; renewed Jan. 26, 1935.
Petroleum products. Envoy Petroleum Company. 319,562; Nov. 27; Serial No. 351,976; published Sept. 18, 1934.

CLASS 16

Paint products. C. S. Smith. 319,484; Nov. 27; Serial No. 346,711; published Sept. 18, 1934.
Paints, enamels, stains, etc. Patterson-Sargent Company. 100,024; renewed Sept. 29, 1934.
Paints, Liquid. Dayton Color Works Company. 319,595; Nov. 27.
Wax polish. Mirrolike Mfg. Co. 319,514; Nov. 27; Serial No. 354,317; published Sept. 18, 1934.

CLASS 17

Cigarettes. Julep Cigarette Company. 319,547; Nov. 27; Serial No. 340,476; published Sept. 25, 1934.
Cigarettes and cigars. H. S. Grove. 319,555; Nov. 27; Serial No. 350,272; published Sept. 25, 1934.
Cigarettes, tobacco and snuff. Brown & Williamson Tobacco Corporation. 319,567; Nov. 27; Serial No. 352,712; published Sept. 18, 1934.
Cigars. Deisel-Wemmer Gilbert Corp. 319,558; Nov. 27; Serial No. 350,793; published Sept. 25, 1934.
Tobacco. Buckeye Tobacco Company. 319,575; Nov. 27; Serial No. 353,001; published Sept. 18, 1934.

CLASS 19

Bicycles, bicycle fittings and accessories, Component parts of. J. A. Phillips and Company. 319,599; Nov. 27.
Boats, Collapsible. J. Rose. 319,544; Nov. 27; Serial No. 340,175; published Sept. 18, 1934.

CLASS 20

Rugs, mats, and floor covering, Felt base. Congoleum-Nairn Inc. 319,427; Nov. 27; Serial No. 355,297; published Sept. 25, 1934.
Rugs, mats, and floor covering, Felt base. Congoleum-Nairn Inc. 319,428; Nov. 27; Serial No. 355,295; published Sept. 25, 1934.

CLASS 21

Batteries, Storage. Allied Battery Corporation. 319,550; Nov. 27; Serial No. 344,035; published Jan. 9, 1934.
Batteries, Storage. Monark Battery Company, Inc. 319,475; Nov. 27; Serial No. 344,914; published Sept. 18, 1934.
By-pass device used in connection with circuits for electric signs of the neon tube type. L. S. Brach Mfg. Corp. 319,598; Nov. 27.
Electrical protective burglar-alarm systems. Brooklyn Automobile Burglar Alarm Corp. 319,577; Nov. 27; Serial No. 353,107; published Sept. 18, 1934.
Lamps, Incandescent. Westinghouse Lamp Company. 103,017; renewed Mar. 16, 1935.
Shade-holders for electric lights. Bryant Electric Company. 101,455; renewed Dec. 15, 1934.
Splicers, connectors, couplings, etc. Ohio Brass Co. 319,551; Nov. 27; Serial No. 349,789; published June 12, 1934.
Switches, cut-outs, clamps, etc., Electric. Trumbull Electric Manufacturing Company. 319,582; Nov. 27.
Transformer and dynamo plates, Sheet-metal. Joseph Sankey & Sons, Ltd. 100,035; renewed Sept. 29, 1934.
Transformers. Kenyon Transformer Co. Inc. 319,470; Nov. 27; Serial No. 354,123; published Sept. 18, 1934.

CLASS 22

Amusement device. International Mutoscope Reel Co., Inc. 319,433; Nov. 27; Serial No. 355,192; published Sept. 25, 1934.
Balls, Golf. Acushnet Process Company. 319,541; Nov. 27; Serial No. 339,744; published Sept. 18, 1934.
Baseballs and baseball covers. J. de Beer & Son. 319,508–9; Nov. 27; Serial Nos. 354,587–8; published Sept. 25, 1934.
Bridge score indicators. Speidel Corporation. 319,431; Nov. 27; Serial No. 355,238; published Sept. 25, 1934.
Games. O. B. Andrews Company. 319,437; Nov. 27; Serial No. 353,090; published Sept. 18, 1934.
Rackets, Tennis. H. W. Hall. 319,505; Nov. 27; Serial No. 354,748; published Sept. 18, 1934.
Toy furniture. S. H. Davis Paper Box Co. 319,436; Nov. 27; Serial No. 355,096; published Sept. 18, 1934.

CLASS 23

Cutlery and tools. American Hardware & Supply Company. 103,608; renewed Apr. 6, 1935.
Cutlery, tools, and machinery. Betz-Pierce Company. 101,696; renewed Jan. 5, 1935.
Cutlery, tools, and machinery. Betz-Pierce Company. 319,495; Nov. 27; Serial No. 354,946; published Sept. 18, 1934.
Knives and forks. Sears, Roebuck and Co. 319,606; Nov. 27.
Machinery shaft couplings. Morse Chain Company. 319,489; Nov. 27; Serial No. 348,549; published Sept. 18, 1934.
Printing presses and parts thereof, Rotary. Duplex Printing Press Co. 319,561; Nov. 27; Serial No. 351,972; published Sept. 18, 1934.
Razor blades and razors. Pontiac Razor Blade Co. 319,513; Nov. 27; Serial No. 354,521; published Sept. 18, 1934.
Razors and razor blades. Continental Blade Corporation. 319,491; Nov. 27; Serial No. 354,893; published Sept. 18, 1934.
Sewing machine parts and attachments. Singer Manufacturing Company. 319,499; Nov. 27; Serial No. 355,001; published Sept. 18, 1934.
Sewing machines and attachments. New Home Sewing Machine Company. 319,511; Nov. 27; Serial No. 354,572; published Sept. 18, 1934.
Sweepers and vacuum-cleaners, Carpet. Clements Mfg. Co. 103,198; renewed Mar. 23, 1935.
Vacuum cleaners. Jewel Vacuum Cleaner Co. 103,290; renewed Mar. 30, 1935.

CLASS 24

Laundry-washing machines and ironing machines. General Electric Company. 319,568; Nov. 27; Serial No. 352,731; published Sept. 25, 1934.

CLASS 26

Calculating machines, parts thereof, and accessories therefor. Aktiebolaget Facit. 319,442; Nov. 27; Serial No. 354,592; published Sept. 18, 1934.
Gage and indicating instruments. Schwarze Electric Company. 319,528; Nov. 27; Serial No. 338,851; published Sept. 18, 1934.
Lenses, Ophthalmic. B. Kanstoroom. 319,602; Nov. 27.
Optical frames and mountings. New Jersey Optical Company. 319,492; Nov. 27; Serial No. 354,906; published Sept. 18, 1934.
Photoplays, Motion-picture. Universal Pictures Corporation. 319,447; Nov. 27; Serial No. 353,959; published Sept. 18, 1934.

CLASS 27

Watch cases. Schwab & Wuischpard. 319,522; Nov. 27; Serial No. 353,251; published Sept. 25, 1934.

CLASS 28

Silverware, Table. Weidlich Sterling Spoon Co. 319,583; Nov. 27.

CLASS 29

Mops and dusters. S. C. Johnson & Son, Inc. 319,479; Nov. 27; Serial No. 327,222; published Aug. 23, 1932.

CLASS 30

Dishes. Spaulding-Gorham, Inc. 319,596; Nov. 27.

CLASS 31

Filtering apparatus and devices. A. Gudmundsen. 319,566; Nov. 27; Serial No. 352,438; published Sept. 18, 1934.
Refrigerating machines, Electric. General Electric Company. 319,569; Nov. 27; Serial No. 352,734; published Sept. 25, 1934.

CLASS 32

Bed springs or the like. Greenpoint Metallic Bed Co. 319,496; Nov. 27; Serial No. 354,987; published Sept. 18, 1934.
Chairs, stools, tables, etc. McKay Company. 319,498; Nov. 27; Serial No. 354,997; published Sept. 18, 1934.

CLASS 33

Glass sugar containers. Reiner Products Inc. 319,457; Nov. 27; Serial No. 353,727; published Sept. 18, 1934.
Glasses, tumblers, goblets, etc. Spaulding-Gorham, Inc. 319,597; Nov. 27.

CLASS 35

Liners for closure caps. Hazel-Atlas Glass Company. 319,512; Nov. 27; Serial No. 354,565; published Sept. 18, 1934.
Packing, Bed sheet. Hendrie & Bolthoff Manufacturing and Supply Company. 319,450; Nov. 27; Serial No. 353,892; published Sept. 18, 1934.
Packings for moving parts of machinery, Metal. Durametallic Corporation. 319,472; Nov. 27; Serial No. 354,932; published Sept. 18, 1934.

CLASS 36

Musical instruments and supplies. C. Bruno & Son, Inc. 103,311; renewed Mar. 30, 1935.
Piano-players, player-pianos, and note-sheets for the same. American Piano Co. 103,335; renewed Mar. 30, 1935.

CLASS 37

Books, Memorandum and appointment. C. H. Mangler. 319,465; Nov. 27; Serial No. 354,254; published Sept. 18, 1934.
Paper. Kellogg Toasted Corn Flakes Company. 102,924; renewed Mar. 2, 1935.
Paper. Whiting-Plover Paper Company. 103,306; renewed Mar. 30, 1935.
Paper board. Gardner-Richardson Company. 319,441; Nov. 27; Serial No. 354,051; published Sept. 18, 1934.
Paper, Printing. Champion Coated Paper Company. 319,485; Nov. 27; Serial No. 347,331; published Sept. 18, 1934.
Pencils, Lead. American Lead Pencil Company. 319,474; Nov. 27; Serial No. 344,460; published Feb. 13, 1934.
Pencils, Lead. E. Faber. 102,896; renewed Feb. 9, 1935.
Pens, Fountain. J. Wallace. 103,134; renewed Mar. 16, 1935.
Wrapper, Moistureproof self-sealing flat. Marathon Paper Mills Company. 319,466; Nov. 27; Serial No. 354,211; published Sept. 18, 1934.

Wrappers for Easter eggs, Decorative. Paas Dye Company. 319,523; Nov. 27; Serial No. 353,296; published Sept. 18, 1934.

CLASS 38

Magazine, Motion-picture. Quigley Publishing Company. 319,517; Nov. 27; Serial No. 353,146; published Sept. 18, 1934.
Maps. Gulf Refining Company. 319,531; Nov. 27; Serial No. 354,442; published Sept. 18, 1934.
Section of a weekly motion-picture magazine. Quigley Publishing Company. 319,516; Nov. 27; Serial No. 353,145; published Sept. 18, 1934.

CLASS 39

Boots and shoes. International Shoe Co. 319,419; Nov. 27; Serial No. 353,477; published Sept. 18, 1934.
Boots and shoes. International Shoe Co. 319,460; Nov. 27; Serial No. 353,656; published Sept. 18, 1934.
Boots, shoes, and slippers. Hanan & Son. 319,563; Nov. 27; Serial No. 352,239; published Sept. 18, 1934.
Clothing, Men's. A. Baraff & Sons. 319,592; Nov. 27.
Coats, vests, pants, etc. Fashion Park Manufacturing Corporation. 319,590; Nov. 27.
Hosiery, Ladies' silk. M. J. Thomulka. 319,452; Nov. 27; Serial No. 353,827; published Sept. 18, 1934.
Shirts, Convertible negligée. Columbia Shirt Company. 102,257; renewed Feb. 2, 1935.
Shoes, Ladies'. Premier Shoe Co. Inc. 319,439; Nov. 27; Serial No. 354,136; published Sept. 18, 1934.
Shoes, Tennis. G. R. Kinney Co. 319,560; Nov. 27; Serial No. 351,467; published Sept. 18, 1934.
Suits and coats, Ladies'. I. J. Rubin-Richard Holstan. 319,416; Nov. 27; Serial No. 353,582; published Sept. 18, 1934.

CLASS 40

Combs for the hair. American Hard Rubber Company. 319,473; Nov. 27; Serial No. 354,017; published Sept. 18, 1934.
Laces, Moccasin, boot, shoe, etc. J. E. Rhoads & Sons. 319,464; Nov. 27; Serial No. 354,319; published Sept. 18, 1934.
Pins and snap-fasteners. Gershon & Schreiber. 319,463; Nov. 27; Serial No. 353,643; published Sept. 18, 1934.
Switches made of human hair. Sophie Company. 319,573; Nov. 27; Serial No. 352,930; published Sept. 18, 1934.

CLASS 42

Cotton ducks and drills. John Boyle & Company. 319,468; Nov. 27; Serial No. 354,188; published Sept. 18, 1934.
Napkins. Manville Company. 94,560; renewed Dec. 16, 1933.

CLASS 43

Yarns. J. & J. Baldwin & Partners, Limited. 101,900; renewed Jan. 19, 1935.

CLASS 44

Foot exercisers. H. S. Gartner. 319,426; Nov. 27; Serial No. 353,326; published Sept. 25, 1934.
Hair-drying systems and hair-drying distributing helmets, Hot-air. Butler Manufacturing Company. 319,608; Nov. 27.
Hair-waving machines, etc., Electric permanent. Samuel Bonat & Bro. 319,500; Nov. 27; Serial No. 355,054; published Sept. 25, 1934.
Nursing nipples. H. Schneider. 102,455; renewed Feb. 9, 1935.
Plaster, bandage plaster, etc., Adhesive. Scholl Mfg. Co. Inc. 319,503; Nov. 27; Serial No. 354,810; published Sept. 25, 1934.

CLASS 45

Beverages, Maltless. Glendale Beverage Co. 319,461–2; Nov. 27; Serial Nos. 353,645–6; published Sept. 25, 1934.
Fruit juices, Canned citrus. Gulf Canners. 319,518; Nov. 27; Serial No. 353,173; published Sept. 18, 1934.
Fruit juices, Maltless. Hollywood's Pomegranate Juice Co. 319,527; Nov. 27; Serial No. 337,281; published Sept. 18, 1934.
Ginger ale. Phillips Brothers. 319,483; Nov. 27; Serial No. 346,593; published Apr. 3, 1934.
Grapefruit juice, Canned. Perfect Packers. 319,493; Nov. 27; Serial No. 354,907; published Sept. 18, 1934.

CLASS 46

Alimentary paste products. Vesuvio & Piedmont Paste Co. 96,469; renewed Apr. 21, 1934.
Bakery products. Good Humor Corporation of America, Inc. 319,423; Nov. 27; Serial No. 353,392; published Sept. 18, 1934.
Bread and flour. Ohio Farmers' Grain & Supply Association. 319,542; Nov. 27; Serial No. 340,053; published Sept. 18, 1934.
Butter, coffee, mustard, etc. Worcester Salt Company. 319,455; Nov. 27; Serial No. 353,782; published Sept. 18, 1934.
Candy and chocolates. Ming Toy Sweets Manufacturing Co. 319,605; Nov. 27.
Candy, Caramel. Borden's Milk Products. 319,435; Nov. 27; Serial No. 355,138; published Sept. 25, 1934.
Candy, marshmallows, wafers, etc. Federal Sweets & Wafer Co. 319,430; Nov. 27; Serial No. 355,252; published Sept. 25, 1934.
Catsup, jells, jams, pickles, etc. New Wooster Preserving Co. 101,969; renewed Jan. 19, 1935.
Cocoa and chocolate. David Pender Grocery Co. 319,449; Nov. 27; Serial No. 353,901; published Sept. 18, 1934.
Coffee. Woodward & Lothrop. 319,490; Nov. 27; Serial No. 354,881; published Sept. 18, 1934.
Cones and wafles, Sugar. S. & S. Cone Corporation. 319,520; Nov. 27; Serial No. 353,239; published Sept. 18, 1934.
Dairy products. Good Humor Corporation of America, Inc. 319,424; Nov. 27; Serial No. 353,390; published Sept. 18, 1934.
Flour, Wheat. King Milling Co. 102,117; renewed Jan. 26, 1935.
Food drink. Dr. A. Wander, A. G. 100,925; renewed Oct. 27, 1934.
Foods for fish. A. Goldberg. 319,448; Nov. 27; Serial No. 353,923; published Sept. 18, 1934.
Fruits, Fresh citrus. Victoria Avenue Citrus Association. 319,488; Nov. 27; Serial No. 348,532; published Sept. 18, 1934.
Fruits, Fresh citrus. Wildrose Orchards. 319,556–7; Nov. 27; Serial Nos. 350,297–8; published Sept. 18, 1934.
Macaroni products. A. C. Krumm & Son Macaroni Company. 319,481; Nov. 27; Serial No. 346,244; published Sept. 18, 1934.
Nuts, dates, layer figs, etc. Good Humor Corporation of America, Inc. 319,425; Nov. 27; Serial No. 353,388; published Sept. 18, 1934.
Olive oil. Strohmeyer & Arpe Company. 319,548; Nov. 27; Serial No. 340,934; published Sept. 11, 1934.
Salt. Worcester Salt Co. 319,469; Nov. 27; Serial No. 354,146; published Sept. 18, 1934.
Salt and baking powder. J. K. Armsby Co. 101,439; renewed Dec. 15, 1934.
Sandwiches, Hamburger. Broome's. 319,506; Nov. 27; Serial No. 354,720; published Sept. 25, 1934.
Semolina products. R. Raulli. 319,600; Nov. 27.
Sugar, White Satin Mills Corporation. 319,525; Nov. 27; Serial No. 268,944; published Nov. 27, 1928.
Vegetables and citrus fruits, Fresh. Frank Jill of Florida, Inc. 319,477; Nov. 27; Serial No. 345,653; published Sept. 18, 1934.
Vegetables, Fresh. E. E. Bostwick. 319,591; Nov. 27.
Vegetables, Fresh. Merrill Packing Company. 319,434; Nov. 27; Serial No. 355,225; published Sept. 25, 1934.

CLASS 47

Vermouth. J. Dejean. 319,444; Nov. 27; Serial No. 353,980; published Sept. 18, 1934.
Vermouth. A. G. Meyer. 319,459; Nov. 27; Serial No. 353,665; published Sept. 18, 1934.
Wine. H. A. Kluxen. 319,564; Nov. 27; Serial No. 352,378; published Sept. 18, 1934.
Wine. Schroeder Bros., Inc. 319,565; Nov. 27; Serial No. 352,633; published Sept. 18, 1934.
Wine. Sociedad Vinicola, S. & L. Durlacher. 319,478; Nov. 27; Serial No. 345,810; published Sept. 18, 1934.
Wine. Sunny Hill Wineries. 319,538; Nov. 27; Serial No. 354,814 published Sept. 18, 1934.
Wines. Brocton Wine Cellars, Inc. 319,537; Nov. 27; Serial No. 354,835; published Sept. 18, 1934.
Wines, California Grape Products Company, Ltd. 319,570; Nov. 27; Serial No. 352,780; published Sept. 18, 1934.
Wines. M. S. Ferrandiz. 319,418; Nov. 27; Serial No. 353,510; published Sept. 18, 1934.
Wines. Fratelli Borghini Fu Augusto. 319,480; Nov. 27; Serial No. 346,242; published Sept. 18, 1934.
Wines. H. B. Hartmann. 319,579–80; Nov. 27.
Wines. Marqués del Real Tescoro y Compañia. 319,438; Nov. 27; Serial No. 355,072; published Sept. 18, 1934.
Wines. Pacific Coast Wineries, Inc. 319,534; Nov. 27; Serial No. 354,867; published Sept. 18, 1934.
Wines, Champagne. Maison Moët & Chandon Fondee En 1743, Société Anonyme. 319,515; Nov. 27; Serial No. 354,513; published Sept. 18, 1934.
Wines, Still and sparkling. Les Hotellers et Restaurateurs Francais, Société Anonyme. 319,554; Nov. 27; Serial No. 350,200; published Sept. 18, 1934.
Wines, Still. Alliance Distributors, Inc. 319,482; Nov. 27; Serial No. 346,542; published Mar. 20, 1934.

CLASS 48

Ale. Rueter and Company. 319,552; Nov. 27; Serial No. 349,790; published Sept. 25, 1934.
Ales, beers, lagers, porters, etc. Carling Breweries Limited. 319,486; Nov. 27; Serial No. 347,542; published Sept. 18, 1934.
Beer. Columbia Brewing Company. 319,451; Nov. 27; Serial No. 353,879; published Sept. 25, 1934.
Beer. G. Helleman Brewing Co. 319,501; Nov. 27; Serial No. 355,063; published Sept. 18, 1934.
Beer. Krantz Brewing Company. 319,443; Nov. 27; Serial No. 354,685; published Sept. 25, 1934.
Beer. Overland Beverage Company. 319,507; Nov. 27. Serial No. 354,716; published Sept. 25, 1934.
Beer. Pilsen Brewing Company. 319,432; Nov. 27; Serial No. 355,232; published Sept. 25, 1934.
Beer. Seattle Brewing and Malting Co. 101,651; renewed Jan. 5, 1935.
Beer, ale, stout, etc. Mackeson & Co., Limited. 319,572; Nov. 27; Serial No. 352,863; published Sept. 25, 1934.
Beer, porter, ale, etc. Joseph Tetley & Co., Inc. 319,521; Nov. 27; Serial No. 353,244; published Sept. 18, 1934.

Malt beverage, and extract therefor, Alcoholic. Blue Seal Extract Company. 319,593; Nov. 27.
Malt beverages. Free State Brewery Corporation. 319,429; Nov. 27; Serial No. 355,255; published Sept. 25, 1934.
Malt beverages. Harvard Brewing Co. 319,529; Nov. 27; Serial No. 339,521; published Aug. 15, 1933.
Malt beverages. Harvard Brewing Co. 319,540; Nov. 27; Serial No. 339,524; published Feb. 6, 1934.

CLASS 49

Brandy. Laird & Company. 319,585–9; Nov. 27.
Gin, whiskey, rum, and brandy. Price Brothers. 319,601; Nov. 27.
Whiskey, gin, rum, etc. Jos. E. Seagram & Sons, Inc. 319,607; Nov. 27.
Whisky. James Saunders & Co. 43,513; renewed Oct. 11, 1934.
Whisky. Hiram Walker & Sons, Limited. 102,661–2; renewed Feb. 16, 1935.
Whisky. Hiram Walker & Sons Limited. 102,913; renewed Mar. 2, 1935.

CLASS 50

Fly-catcher paper, Nonpoisonous. Cotte Manufacturing Co. 319,559; Nov. 27; Serial No. 351,003; published Sept. 18, 1934.

LIST OF LABELS

All American Campus Writing Paper. For Writing Paper. Norsid Company. 44,693; Nov. 27.
Candy-Cod. For Vitamin D Chocolate Bars. Candy-Cod Corporation. 44,684; Nov. 27.
Chase and Sanborn's. For Coffee. Standard Brands Incorporated. 44,695; Nov. 27.
Clean. For a Wall-Paper Cleaner. G. T. Gusler. 44,687; Nov. 27.
Glaskote. For a Liquid Finish for Linoleums. H & M Chemical Company. 44,688; Nov. 27.
Herbe Sainte Jeanne D'Arc. For a Vegetable Herb. Jeanne D'Arc Products Co. 44,689; Nov. 27.
Jack Frost Fibre. For Wrapping Paper. United Paper Company, Inc. 44,696; Nov. 27.
L. B. For Hair Oil. L. B. Laboratories, Inc. 44,690; Nov. 27.
Liquere D'Elite. For a Distilled Alcoholic Liqueur. J. C. Yochim Co., Inc. 44,697; Nov. 27.
Malvitose. For a Concentrated and Scientifically Processed Food. Micky Malto Products Co. 44,691; Nov. 27.
Re-Leaf. For a Preparation for Athlete's Foot, Ringworm, Pimples, Eczema, All Forms of Itch, Florida Sores, Ulcers, and Insect Bites. Bailey Brothers. 44,682; Nov. 27.
Scotch Lassie. For Strawberry Preserves. Sambo Dairy Products, Inc. 44,694; Nov. 27.
Smacklets. For Canned Fish Tenderloins. Benicia Fisheries, Inc. 44,683; Nov. 27.
Spavinaw. For Coffee. C. E. Nesbitt. 44,692; Nov. 27.
Vital Rejuvenator. For Galvanic and Pulsating Sinusoidal Machines. J. A. Ericson. 44,686; Nov. 27.
White Rose. For Beer. Dallas Brewery, Inc. 44,685; Nov. 27.
Yukons Best. For Fancy Pearl Meal. Yukon Mill and Grain Company. 44,698; Nov. 27.
Yukons Best. For Fancy Cream Meal. Yukon Mill and Grain Company. 44,699; Nov. 27.
Yukons Best. For Family Home Ground White Meal. Yukon Mill and Grain Company. 44,700; Nov. 27.

LIST OF PRINTS

Buying Cheaper Flour Saved Her 1¼¢ But Lost Her 88¢ When 3 Pies Failed. For Flour. General Mills, Inc. 14,923; Nov. 27.
Countess de Forceville Gives a Smart Idea for Your Fall Luncheons. For Biscuit Flour. General Mills, Inc. 14,926; Nov. 27.
If You Like Smart Table Appointments for Entertaining Kindly Accept This Amazing Offer. For Cake Flour. General Mills, Inc. 14,927; Nov. 27.
Look for the Overall. For Men's and Boys' Overalls. H. D. Lee Mercantile Company. 14,928; Nov. 27.
Mrs. William Schoellkopf Tells Very Simple Way to Make Your Dinners Smarter. For Biscuit Flour. General Mills, Inc. 14,924; Nov. 27.
Who Has a Husband Like Mrs. Kistler's . . . "Mum" on Meals? For Biscuit Flour. General Mills, Inc. 14,925; Nov. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aalborg, Christian. (See Conrad, F., and Aalborg.)
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Tire bead and making the same. 1,981,893; Nov. 27.
Ackerman, Frank. (See Gould, H., and Ackerman.)
Acme Shear Company, The. (See Conway, John J., assignor.)
Acton, Len, assignor to R. Burdick, Dallas, Tex. Display grille. 1,982,131; Nov. 27.
Adams, Henry T., Chicago, Ill. Adjustable ring book. 1,982,409; Nov. 27.
Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method and apparatus for forming and welding articles. 1,981,894; Nov. 27.
Adartcraft, Inc. (See Sanders, Rudolph M., assignor.)
Addressograph Company. (See Colyer, Edwin C., assignor.)
Addressograph Company. (See Gollwitzer, Walter T., assignor.)
Adinke Company, The. (See Larson, Carl H., assignor.)
Aero Engineering Corporation. (See Briner, Emil A., assignor.
Aktiebolaget Formator. (See Granstedt, Karl E., assignor.)
Aktiebolaget Ljungstroms Angturbin. (See Lysholm, Alf, assignor.)
Aktiengesellschaft-Brown Boveri & Cie. (See Meyer-Delius, Heinrich, assignor.)
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Distributing mechanism of typographical composing and distributing machines. 1,982,040; Nov. 27.
Alexander, Harry. (See Zimber, R. M., and Alexander.)
Allegheny Steel Company. (See Scharschu, Charles A., assignor.)
Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 1,982,278; Nov. 27.
Allen, Russell G., and J. E. McLaughlin, Alton, Ill., assignors to Owens-Illinois Glass Company. Glassware forming machine. 1,981,937; Nov. 27.
Allmann Svenska Electriska Aktiebolaget. (See Dreyfus, L., and Garde, assignors.)
Alsaker, Alfred. (See Fjellstedt, T., Alsaker, and Hampton.)
Alsted, Lewis L. (See Wells, S. D., and Cramer.)
Aither, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,982,462; Nov. 27.
Amco, Incorporated. (See Morton, W. A., and Geer, assignors.)
American Can Company. (See Hothersall, John M., assignor.)
American Flange & Manufacturing Company. (See Shera, John W., assignor.)
American Gasaccumulator Company. (See Oestnaes, V. L., and Luce, assignors.)
American Laundry Machinery Company, The. (See Reese, L. V., and Johnson, assignors.)
American Lecithin Corporation. (See Working, Earl B., assignor.)
American Perforator Company. (See Rix, Edward G., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Telephone and Telegraph Company. (See French, Norman R., assignor.)
American Telephone and Telegraph Company. (See Reeve, Elmer W., assignor.)
American Tool Works Company, The. (See Hoelscher, William G., assignor.)
Ames Baldwin Wyoming Co. (See Ready, William A., assignor.)
Andale Company. (See McNeal, Daniel R., assignor.)
Anderson, Adelbert C., and W. R. Strandberg, assignors to Straight Stop Corporation, St. Paul, Minn. Brake testing apparatus. 1,982,041; Nov. 27.
Anderson, Charles H., Downey, Calif. Scaffold joint. 1,981,938; Nov. 27.
Anderson, Harry P. H. (See McCallum, J., and Anderson.)
Anderson, William, Seattle, Wash. Valve. 1,982,189; Nov. 27.
Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,939; Nov. 27.
Antworth, Samuel J. (See Quimby, A., and Antworth.)
Apple, Edward M., et al, executors. (See Apple, Vincent G.)
Apple, Herbert F., et al, executors. (See Apple, Vincent G.)
Apple, Vincent G., deceased, Dayton, Ohio, H. F. and E. M. Apple, and G. Darroch, executors. Apparatus for molding plastic material. 1,982,279; Nov. 27.
Arf, Herman R. (See Stacey, A. E., jr., and Arf.)
Armstrong Appliance Corporation. (See Atkinson, George E., assignor.)
Arnold, Arthur R. (See Jaden, F. I., and Arnold.)
Arrow-Hart & Hegeman Electric Company, The. (See Johnson, David W., assignor.)
Arthuber, Charles, Chicago, Ill. Ash tray. 1,981,981; Nov. 27.
Art Metal Works, Inc. (See Deats, William, assignor.)
Ash, James W., Middletown, Ohio, assignor to The Philip Carey Manufacturing Company. Cigarette rolling machine. 1,982,365; Nov. 27.
Ashaway Line and Twine Manufacturing Company. (See Holden, John W. W., assignor.)
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt tempering mechanism for shoe sewing machines. 1,981,940; Nov. 27.
Askania-Werke Aktiengesellschaft. (See Wünsch, Guido, assignor.)
Aten, Marion H., Burlingame, Calif. Massaging and shaving brush. 1,981,851; Nov. 27.
Atkins, Thomas R., Cliftondale, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,905; Nov. 27.
Atkinson, George E., Proctorville, Ohio, assignor to Armstrong Appliance Corporation, Huntington, W. Va. Electrical cooking utensil. 1,982,410; Nov. 27.
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Automatic Temperature Control Co. (See Wilhjelm, Christian, assignor.)
Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., New York, N. Y. Typewriting machine. 1,981,982; Nov. 27.
Aydelotte, Charles J., Wilmington, Del., W. R. Caverly, Carneys Point, N. J., and W. H. Wright, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Removing sodium hydroxide from mixtures thereof with potassium hydroxide. 1,982,241; Nov. 27.
Babcock & Wilcox Company, The. (See Jones, William A., assignor.)
Backus, Arthur A. (See Metzger, F. J., and Backus.)
Bacon, Charles. (See Freese, James D., assignor.)
Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Shielded resilient separator. 1,982,411; Nov. 27.
Baker, Adlai S. (See Russell, Stephen Y., assignor.)
Baker, Bert F. (See Knox, H. A., and Baker.)
Baker, Herbert A., trustee. (See McDonnell, Francis S., assignor.)
Baldegger, Armin W., Union City, N. J. Textile fabric or the like. Des. 93,906; Nov. 27.
Baldwin, Alfred W. (See Bunbury, H. M., and Baldwin.)
Ball, Joseph F., and H. M. Quirey, San Francisco, Calif. Electric heater. 1,982,190; Nov. 27.
Ball, Wayne E. (See Colglazier, E. G., Ball, and Willis.)
Bancroft, Albert F., Newton assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,907; Nov. 27.
Bancroft Walker Co. (See Bancroft, Albert F., assignor.)
Banlnger, John H., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing mounting. 1,982,366; Nov. 27.
Banta, Guy L., Portland, Oreg. Boiler. 1,981,895; Nov. 27.
Barbarou, Marius J., Neuilly-sur-Seine, France. Eccentric control. 1,982,003; Nov. 27.
Barfuss, Rudolf, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of white pigment. 1,982,604; Nov. 27.
Barge, William D., Pelham, assignor to The George S. Holmes Co. Inc., New York, N. Y. Ceiling hanger. 1,982,565; Nov. 27.
Barnes, Stanley H., New Rochelle, assignor to Gleason-Tiebout Glass Company, Maspeth, Long Island, N. Y. Lighting fixture. 1,982,191; Nov. 27.
Barnum, Howard N., Cleveland, Ohio, assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Toy basket-ball game. 1,982,491; Nov. 27.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,981,983; Nov. 27.
Barrett-Cravens Company. (See Barrett, Arthur M., assignor.)
Bartel, Paul W., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Spike for sport shoes. 1,982,588; Nov. 27.

Basler, Henry, Kansas City, Mo. Clothesline reel. 1,982,042; Nov. 27.
Bassett, Robert S., Buffalo, N. Y. Liquid pump. Re19,384; Nov. 27.
Bassick Company, The. (See Herold, Walter F., assignor.)
Battelle Memorial Institute. (See Williams, C. E., and Sullivan, assignors.)
Baumann, Fritz, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Aluminum lake of sulphonated compounds of the anthraquinone series. 1,982,149; Nov. 27.
Baumgarten, Edward F., Rochester, N. Y. Fire extinguisher. 1,982,192; Nov. 27.
Bavis, Bruce N., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Braider bobbin carrier. 1,981,896; Nov. 27.
Baxendale, Samuel, Detroit, assignor to The Modern Collet & Machine Company, Ecorse, Mich. Nut blanking machine. 1,982,492; Nov. 27.
Baxter, James A. (See Williams, T. P., and Baxter.)
Baxter, William L., Devereux, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in taking impressions of feet. 1,981,941; Nov. 27.
Beardsley, Edwin W., Los Angeles, Calif., assignor to Petroleum Conversion Corporation, New York, N. Y. Combination reaction chamber and scrubber. 1,981,852; Nov. 27.
Becker, Carl W., Allston, Mass. Television receiving apparatus. 1,981,942; Nov. 27.
Bedford, Jesse, assignor of one-half to M. C. Park, Luton, England. Hydraulic transmission mechanism. 1,982,150; Nov. 27.
Belford, Alexander G., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Two-feed circular knitting machine. 1,982,566; Nov. 27.
Bell, William W., Englewood, N. J., assignor to Celluloid Corporation. Coating composition. 1,982,280; Nov. 27.
Bellanca, Giuseppe M., New Castle, Del. Wing structure. 1,982,242; Nov. 27.
Bendix Brake Company. (See Andres, William J., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See Frank, Frederick C., assignor.)
Bendix Brake Company. (See Kohr, R. F., assignor.)
Bendix Brake Company. (See Mahoney, John P., assignor.)
Bendix Brake Company. (See McDonald, Eugene G., assignor.)
Bendix Research Corporation. (See Mock, Frank C., assignor.)
Bendix Stromberg Carburetor Company. (See Prentiss, Augustin M., assignor.)
Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,908; Nov. 27.
Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Fly swatter. Des. 93,909; Nov. 27.
Bennett, John M., Detroit, Mich. Key holder. 1,981,984; Nov. 27.
Bergstrom, Kenneth H., Lawrence, assignor to Tyer Rubber Company, Andover, Mass. Finger support for manicurists. 1,982,589; Nov. 27.
Bernhardt, Max E., New York, N. Y. Lighter unit and mounting therefor. 1,982,493; Nov. 27.
Berthold, Erich. (See Kunz, M. A., Koeberle, and Berthold.)
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole and method of and means for operating thereon. 1,981,943; Nov. 27.
Berwind Fuel Company of Delaware. (See Komarek, Gustav, assignor.)
Binkert, August. (See Stoll, A., and Binkert.)
Birkenmaier, Theodore, St. Louis, and L. P. Boll, University City, assignors to W. N. Matthews Corporation, St. Louis, Mo. Clamp. 1,982,281; Nov. 27.
Bishop & Babcock Mfg. Company, The. (See Golob, John E., assignor.)
Bishop, William H., Birmingham, England. Body for motor vehicles. 1,981,897; Nov. 27.
Bjurgstrom, John E., St. Paul, Minn. Hot air respirator. 1,982,412; Nov. 27.
Black, George E., Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Corrugated sheet. 1,982,243; Nov. 27.
Black, James J. (See Jones, R. B., and Black.)
Blackhawk Mfg. Co. (See Mandl, S., and Pfauser, assignors.)
Blackwell, Edwin G., Worcester, England. Charging of coal, coke, and other solid materials into storage chambers and the like. 1,982,413; Nov. 27.
Blackwood, Arthur J., Cooleemee, and C. R. Harris, Durham, N. C. Extension drive for breaker-lapper. 1,982,414; Nov. 27.
Blanchard, Robert, London County, England. Capsule for stopping bottles and the like. 1,982,567; Nov. 27.
Blaw-Knox Company. (See Venable, William M., assignor.)
Blevins, Herman G., Sewickley, Pa., assignor to Republic Steel Corporation. Method and apparatus for electrically welding pipe. 1,982,415; Nov. 27.
Bock, Jack, Bronx, N. Y. Label game. 1,982,282; Nov. 27.
Bocz, Alexander J., Detroit, Mich. Controlling heat unit in a thermo engine. 1,982,151; Nov. 27.
Boegehold, Alfred L., and A. A. Peterson, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Valve steel. 1,981,898; Nov. 27.
Boles, Arthur L., Oakland, Calif. Grapnel; 1,982,132; Nov. 27.
Boll, Lester P. (See Birkenmaier, T., and Boll.)
Bond, Raymond W., and O. A. Hokanson, Fort Wayne, Ind. Toaster. 1,982,494; Nov. 27.
Bongartz, Carl H., Twickenham, assignor of two-fifths to S. Marcell, Claygate, England. Hair curling apparatus. 1,982,416; Nov. 27.
Boonstra, Ellis T. (See Weinmann, A., and Boonstra.)
Borgerd, William F., and C. A. Uherek, Chicago, Ill., assignors to International Harvester Company. Circuit breaker. 1,982,463; Nov. 27.
Boss, Elvis M., Brownstown, Ind. Protected filling device. 1,982,568; Nov. 27.
Bostwick, Myron A., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phasing circuit for network protectors. 1,982,337; Nov. 27.
Bourquin, M. Mitchell. (See McAlister, Jallie, assignor.)
Bowman-Manifold, Michael, Worplesdon Station, assignor to Electric and Musical Industries Limited, Hayes, Middlessex, England. Picture projecting and viewing apparatus. 1,981,922; Nov. 27.
Bowser, S. F., & Company. (See Renfrew, Paul B., assignor.)
Boyd, Thomas B. (See Church, G. T., and Boyd.)
Braselton, Chester H., New York, N. Y. Automobile lighting system. 1,981,985; Nov. 27.
Brauer, Arthur J., St. Louis County, and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Shoe and making same. 1,981,844; Nov. 27.
Brauer, Arthur J., and F. P. Wagner, St. Louis, Mo. Process and apparatus for preparing the heel end of a sole. 1,981,899; Nov. 27.
Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Shoe and making same. 1,981,900; Nov. 27.
Brauer Bros., Inc. (See Brauer, A. J., and Wagner, assignors.)
Briner, Emil A., assignor to Aero Engineering Corporation, East Orange, N. J. Variable pitch propeller for aircraft and for ventilation. 1,982,283; Nov. 27.
Brinton, H., Company. (See Levin, Nathan, assignor.)
Briskman, Samuel. (See Weidauer, Curtis, assignor.)
Brode, Johannes, and A. Johannsen, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of monocarboxylic acids. 1,982,195; Nov. 27.
Brode, Johannes and A. Johannsen, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacturing monocarboxylic acids. 1,982,196; Nov. 27.
Brode, Johannes, and C. Wurster, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of anhydrous metal chlorides. 1,982,194; Nov. 27.
Brode, Johannes, Ludwigshafen-on-the-Rhine, and A. Johannsen, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing monocarboxylic acids. 1,982,197; Nov. 27.
Bronner, Finn J., New York, N. Y. Cleaning and polishing. 1,982,285; Nov. 27.
Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,981,944; Nov. 27.
Brown, Cuthbert J. (See Wilson, C. H., and Brown.)
Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
Brown, Walter O., Detroit, Mich. Box or crate. 1,982,367; Nov. 27.
Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock and interval timer. 1,982,495; Nov. 27.
Briner, Emil A., assignor to Aero Engineering Corporation, East Orange, N. J. Propeller control mechanism. 1,982,284; Nov. 27.
Brinkman, Louis H., Glen Ridge Borough, N. J. Method and machine for making corrugated tubes. 1,982,369; Nov. 27.
Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Car wheel. 1,982,043; Nov. 27.
Bruce, Homer L., Houston, Tex. Receptacle. 1,981,853; Nov. 27.
Bruhn, Linda C., Auburndale, Wis. Manufacturing Cheddar cheese. 1,981,986; Nov. 27.
Brumleve, Mortimer W. (See Lussky, C., and Brumleve.)
Brunstrum, Lawrence C., Chicago, Ill., and M. R. Schmidt, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 1,982,198; Nov. 27.
Brunstrum, Lawrence C., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 1,982,199; Nov. 27.
Brunstrum, Lawrence C., Chicago, Ill., and W. P. Hilliker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Anhydrous lubricant. 1,982,200; Nov. 27.
Bruton, David N., Mertens, Tex. Cultivator attachment. 1,982,417; Nov. 27.
Bryant Heater Company, The. (See Stark, Willet E., assignor.)

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Word printing mechanism. 1,981,987; Nov. 27.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical fitting. 1,982,464; Nov. 27.
Budd, Edward G., Manufacturing Company. (See Hartmann, Alexander M., assignor.)
Budd Wheel Company. (See Eksergian, C. L., and Davenport, assignors.)
Bulldog Electric Products Company. (See Frank, W. H., and Messing, assignor.)
Bullock, Edward W. (See Gleason, J. E., and Bullock.)
Bulls-Eye Electric Manufacturing Company. (See Trumbull, George R., assignor.)
Bunbury, Hugh M., and A. W. Baldwin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Alkali metal salt of elaidyl sulphuric ester. 1,981,901; Nov. 27.
Burdick, Richard. (See Acton, Len, assignor.)
Burger, Martin, Morris, Ill. Setting up cartons. 1,981,988; Nov. 27.
Burnish, Howard J., Sewickley, assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Electric welding machine. 1,982,496; Nov. 27.
Burns, Wilfred E., Burlingame, Calif., assignor to M. J. B. Company. Making score lines. 1,981,945; Nov. 27.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety device for brake rods. 1,981,902; Nov. 27.
Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Remote control system for electric circuits. 1,982,368; Nov. 27.
Byer, Henry E., Rosebank, Staten Island, N. Y. Countercurrent condenser. 1,981,989; Nov. 27.
Byrd, Arthur J., Bessemer, Ala. Protective device for poles. 1,982,569; Nov. 27.
C-O-Two Fire Equipment Company. (See Wiswell, Ozro N., assignor.)
Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Luminescent gas lighting apparatus. 1,981,903; Nov. 27.
California Corrugated Culvert Co. (See Norton, Albert C., assignor.)
Camel Company. (See Toidn, Kenneth J., assignor.)
Camel Company. (See Wasberg, Axel, assignor.)
Camp, Raymond G., New Philadelphia, Ohio. Water filter. Des. 93,910; Nov. 27.
Canady, Don, Cleveland, Ohio. Indicating signaling device. 1,982,133; Nov. 27.
Cann, Harry E., West Chester, Pa. Cooling device. 1,982,570; Nov. 27.
Carbide and Carbon Chemicals Corporation. (See Perkins, Granville A., assignor.)
Carey, Philip, Manufacturing Company, The. (See Ash, James W., assignor.)
Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
Carmichael, Howard, Lexington, Ky. Electric furnace. 1,982,418; Nov. 27.
Carpenter, Russell, Wayagamack Island, Three Rivers, Quebec, Canada. Stock consistency indicating and regulating apparatus for pulp and paper making machines. 1,982,370; Nov. 27.
Carr-Lowrey Glass Co. (See Hilgenberg, C. G., and Garwood, assignors.)
Carrier Engineering Corporation. (See Stacey, A. E., jr., and Arf, assignors.)
Carroll, Fred M., Yonkers, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing mechanism. 1,981,990; Nov. 27.
Carroll, James J., Detroit, Mich. Piston ring. 1,982,286; Nov. 27.
Catlett, James T., Scotia, N. Y., assignor to General Electric Company. Arc welding system. 1,982,371; Nov. 27.
Caverly, Waldo R. (See Aydelotte, C. ., Caverly, and Wright.)
Cavitt, James H. (See Spahn, Chester J., assignor.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Celluloid Corporation. (See Bell, William W., assignor.)
Champion Shoe Machinery Company. (See Dabyne, Stevenson A., assignor.)
Chandler Chemical Company, The. (See Orozco, Gilbert H., assignor.)
Chapman, Leo M., Chicago, Ill. Typographical machine. 1,981,845; Nov. 27.
Chase Companies, Incorporated, The. (See von Nessen, Walter, assignor.)
Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)
Chemical Manufacturing Company. (See Elliott, P. H., and White, assignors.)
Chemical Works, formerly Sandoz. (See Stoll, A., and Binkert, assignors.)
Chicago Flexible Shaft Company. (See Browning, George, assignor.)
Chicago Pump Company. (See Durdin, Augustus C., jr., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Christianson, Andrew, Butler, Pa. Furnace stoker. 1,982,372; Nov. 27.
Chrysler, Chester E., Chatham, Ontario, Canada. Queen bee excluder. 1,982,419; Nov. 27.
Chrysler Corporation. (See Humphrey, C. L., and Lee, assignors.)
Church, George T., and T. B. Boyd, assignors to The Fretz-Moon Tube Company, Inc., Butler, Pa. Pipe and tube blower. 1,982,590; Nov. 27.
Cincinnati Ball Crank Company. (See Harris, Cleo, assignor.)
Cincinnati Grinders Incorporated. (See Einstein, S., and Hass, assignors.)
Cincinnati Grinders Incorporated. (See Haas, Frederick S., assignor.)
Cincinnati Milling Machine Company, The. (See Nenninger, Lester F., assignor.)
Clark, Harold A., Northbrook, Ill. Oil seal. 1,981,846; Nov. 27.
Clark, Leverett M. (See Davis, D. C., and Clark.)
Clark, Stuart B., Riverton, assignor to United States Pipe and Foundry Company, Burlington, N. J. Pipe joint. 1,982,044; Nov. 27.
Clark, Walter R., Bridgeport, Conn. Method of and apparatus for rolling metal. 1,982,571; Nov. 27.
Clarkson, Richard G. (See Downing, F. B., and Clarkson.)
Clemens, Emanuel, East Orange, N. J. Button making machine. Re19,379; Nov. 27.
Clement, Frederic D. (See Whitney, R. F., and Clement.)
Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Ball cock. 1,981,904; Nov. 27.
Clerc, André, Villeurbanne, assignor to Societe Ateliers de Constructions Electriques de Delle, Paris, France. Circuit breaker with liquid or gas blowout. 1,982,134; Nov. 27.
Cleveland Cooperative Store Company, The. (See Herbster, George, assignor.)
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Cleveland Twist Drill Company, The. (See Emmons, Joseph V., assignor.)
Clickner, Earle D. (See Russell, S. G., and Clickner.)
Cline, Thaddeus, E., and R. E. Tipton, Denver, Colo. Pump. 1,981,991; Nov. 27.
Clinker, Hilda G., executrix. (See Clinker, Reginald C.)
Clinker, Reginald C., deceased, Rugby, by H. G. Clinker, executrix, Bristol, and L. J. Davis, Rugby, England, assignors to General Electric Company. Cathode ray tube. 1,982,373; Nov. 27.
Clithero, Stanley D., Long Beach, and E. G. Durando, Los Angeles, Calif. Gas tank pressure regulator. 1,982,045; Nov. 27.
Cohen, Harry, assignor to The Perfection Steel Body Company, Galion, Ohio. Burial vault. Des. 93,911; Nov. 27.
Colglazier, Edward G., W. E. Ball, and L. P. Willis, Pueblo, Colo. Ladder snubber. 1,982,572; Nov. 27.
Colling, Edward W., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Coil wrapping machine. 1,981,946; Nov. 27.
Columbus Vending Company, The. (See Vogel, Frank H. and R. A., assignors.)
Columbus Vending Company, The. (See Vogel, Ralph A., assignor.)
Colver, Edwin C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,982,374; Nov. 27.
Comiskey, Dell A., et al. (See Comiskey, Joseph W., assignor.)
Comiskey, Joseph W., assignors of one-third to D. A. Comiskey and one-third to J. Siciliano, Johnstown, Pa. Plug connecter for electrical appliances. 1,981,854; Nov. 27.
Connecticut Telephone & Electric Corporation. (See Cadieux, Joseph O., assignor.)
Conrad, Frank, and C. Aalborg, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Refrigerator. 1,982,375; Nov. 27.
Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Conway, John J., assignor to The Acme Shear Company, Bridgeport, Conn. Pair of scissors or similar article. Des. 93,912; Nov. 27.
Cook, Willard G., Forest Hills, assignor to The Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa. Acceleration control means. 1,982,338; Nov. 27.
Cooper-Bessemer Corporation, The. (See Murray, Harry D., assignor.)
Corbett, Lawrence W., Belmont, assignor of thirty-four percent to W. H. Doble, Quincy, and thirty-three percent to B. L. Doble, Hingham, Mass. Combustion apparatus. 1,981,947; Nov. 27.
Cornell, Edward S., jr., Watertown, Conn. Sheet metal pipe fitting. 1,982,498; Nov. 27.
Coro-Gram Inc. (See Dammé, Olga, assignor.)
Cotchett, Louis M., Hingham, assignor to Textile Patent & Process Compny, Boston, Mass. Pump. 1,982,497; Nov. 27.
Coupland, Richard C., U. S. Army, Norfolk, Va. Sear mechanism for guns. 1,981,855; Nov. 27.
Courier-Citizen Company. (See Hartnett, John T., assignor.)
Cox, Paul F., Chicago, Ill. Multicolor printing press. 1,982,574; Nov. 27.
Coyne, Martin J., East Syracuse, N. Y. Fishing tackle. 1,982,573; Nov. 27.

Crafton, H. Herbert, Beaver, Pa. Forced draft and humidifier device for hot air registers. 1,982,465; Nov. 27.
Crawford, H. G., et al. (See Peltier, Joseph E., assignor.)
Crawford, J. E., et al. (See Peltier, Joseph E., assignor.)
Craig, Allan D., assignor to Thomas Dalby, Inc., Watertown, Mass. Undergarment. Re19,380; Nov. 27.
Cramer, William B., et al. (See Wells, S. D., and Cramer.)
Creed and Company, Limited. (See Griffith, Ronald G., assignor.)
Crocker, Frances K. (See Holmsted, Francis K., assignor.)
Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
Crown Cork & Seal Company, Inc. (See McManus, Charles E., assignor.)
Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Guide shell for rock drills. 1,981,992; Nov. 27.
Curtis, Kenneth L., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection apparatus and/or system. 1,982 201; Nov. 27.
Curtis, Lewis E., assignor to Milcor Steel Company, Milwaukee, Wis. Machine for making corner molding, beading, and the like. 1,982,466; Nov. 27.
Curtiss Aerocar Company. (See Hennessy, Daniel E., assignor.)
Curtiss Aerocar Company. (See Robinson, Harold H. and H. A., sr., assignors.)
Cutler-Hammer, Inc. (See Kollath, Francis C., assignor.)
Da Costa, Antonio. (See Ferreira, J., and Da Costa.)
Daddio, Pasquale, New York, N. Y. Pneumatic tire. 1,982,135; Nov. 27.
Daisley, Robert H., Birmingham, Mich., assignor to Wilcox-Rich Corporation. Oil control piston. 1,981,993; Nov. 27.
Dalby, Thomas, Inc. (See Craig, Allan D., assignor.)
Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Monogram alphabet. Des. 93,913; Nov. 27.
Daniel, William, assignor to Greenhill & Daniel, Inc., Brooklyn, N. Y. Making tubular belts. 1,982,467; Nov. 27.
Darling, William H. London, Ontario, Canada. Shower head. 1,981,948; Nov. 27.
Darr, Walter, Philadelphia, Pa. Fruit peeling device. 1,982,193; Nov. 27.
Darroch, Gourley, et al., executors. (See Apple, Vincent G.)
Davenport, Talmon A. (See Eksergian, C. L., and Davenport.)
Davies, Leonard J. (See Clinker, R. C., and Davies.)
Davis, Bernard P., Brooklyn, N. Y. Windshield and window ventilator. 1,982,591; Nov. 27.
Davis, Donald C., Depew, and L. M. Clark, Buffalo, assignors to The Gould Coupler Company, New York, N. Y. Cushioning mechanism. 1,982,575; Nov. 27.
Davis Emma, Lucile, Idaho. Washing machine. 1,982,499; Nov. 27.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,982,202; Nov. 27.
Davis, Ernest W., Oak Park, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 1,981,905; Nov. 27.
Davis, George W., Seattle, Wash. Pulp screen plate. 1,982,244; Nov. 27.
Deats, William, assignor to Art Metal Works, Inc., Newark, N. J. Cigarette dispensing and lighting mechanism. 1,982,046; Nov. 27.
De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Connection for filters and the like. 1,982,376; Nov. 27.
De la Riboisiere, Jean F. P., Paris, France. Fuel for internal combustion engines. 1,982,420; Nov. 27.
De Laval Separator Company, The. (See Hall, Selden H., assignor.)
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
Delta Star Electric Company, The. (See Fjellstedt, T., Alsaker, and Hampton, assignors.)
Deluxe Products Corporation, The. (See Vogel, J. A., and Warner, assignors.)
De Mask, Martin J., Pittsfield, Mass. System for distributing power. 1,982,152; Nov. 27.
Denels, Robert, New York, N. Y. Bottle. Des. 93,914; Nov. 27.
Derry, Jasper, Medford, assignor to A. Terkelsen, Newton, Mass. Molding press. 1,982,576; Nov. 27.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See von Szessich, Ludwig, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Wiesler, Karl, assignor.)
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Making a hollow display form. 1,981,949; Nov. 27.
Dierichs, Alfred, Leverkusen-on-the-Rhine, and L. Weiss, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing acetic anhydride. 1,982,153; Nov. 27.
Dierichs, Alfred Leverkusen-on-the-Rhine, and L. Weiss, Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing acetic anhydride. 1,982,154; Nov. 27.
Diesbach, Fritz G., assignor to Krauth & Benninghofen, Hamilton, Ohio. Manifolding machine. 1,982,600; Nov. 27.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Convertible floor lamp. 1,982,203; Nov. 27.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,982,204; Nov. 27.
Doble, Blanche L., et al. (See Corbett, Lawrence W., assignor.)
Doble, William H., et al. (See Corbett, Lawrence W., assignor.)
Dobyne, Stevenson A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Shoe finishing machine. 1,982,592; Nov. 27.
Dodds, Ethan L., jr., Central Valley, N. Y., assignor to The Midland Company, South Milwaukee, Wis. Side door hanger. 1,981,906; Nov. 27.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Forming conduits. 1,981,950; Nov. 27.
Dodgem Corporation. (See Markey, Fred L., assignor.)
Doherty Research Company. (See Fisher, James P., assignor.)
Doherty Research Company. (See Workman, Arnold R., assignor.)
Dollin, Edgar N. (See Waltz, Anton F., assignor.)
Doman, John P., Los Angeles, Calif. Folding board. 1,982,205; Nov. 27.
Donlarm Limited. (See Stave, Cecil H., assignor.)
Donovan, Thomas J., jr., assignor to J. S. Ivins' Son, Inc., Philadelphia, Pa. Adjustable display structure. 1,981,847; Nov. 27.
Dorr Company, The. (See Fischer, Anthony J., assignor.)
Douglas, Harry A., Bronson, Mich. Electric lighting system and controls therefor. 1,982,500; Nov. 27.
Douglas, Harry A., Bronson, Mich. Connecting means. 1,982,501; Nov. 27.
Douglas, Harry A., Bronson, Mich. Junction box or the like. 1,982,502; Nov. 27.
Downey, Hugh C., U. S. Army, Mitchell Field, Long Island, N. Y. Retractable landing gear. 1,981,856; Nov. 27.
Downing, Frederick B., Carney's Point, and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Discharge printing. 1,981,907; Nov. 27.
Drapal, Ottokar, Erla, near St. Valentin, Austria. Endless track for vehicles. 1,982,468; Nov. 27.
Dreyfus, Ludwig, and A. Garde, assignors to Alimanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Operating electric high frequency furnaces. 1,981,994; Nov. 27.
Drysdale, William D., Buffalo, N. Y., assignor to W. J. Sugden, West Roxbury, Mass. Refrigerating machine. 1,981,848; Nov. 27.
Dublin, Ralph L., Rochester, N. Y. Eyeglass and spectacle mounting. 1,982,047; Nov. 27.
Duby, John F., Boston, Mass. Vehicle wheel. 1,982,377; Nov. 27.
Dugan, Hugh G., Hinsdale, Ill. Boat. 1,981,908; Nov. 27.
Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Soluble drier for paints and varnishes. 1,982,048; Nov. 27.
Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Reclaiming spent doctor solutions. 1,982,577; Nov. 27.
Dunlop Tire and Rubber Corporation. (See Nash, John R., assignor.)
Dunmore, Francis W., assignor to the Government of the United States as represented by the Secretary of Commerce, Washington, D. C. Deviometer. 1,981,857; Nov. 27.
Dunn, Ralph J., and H. D. McLean, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Perforated corset material and making the same. 1,981,909; Nov. 27.
Du Pont, E. I., de Nemours & Company. (See Aydelotte, C. J., Caverly, and Wright, assignors.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Clarkson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dunn, R. J., and McLean, assignors.)
Du Pont, E. I., de Nemours & Company. (See Parrett, Arthur N., assignor.)
Du Pont Rayon Company. (See Toole, H. S., and Mitchell, assignors.)
Durando, Eugene G. (See Clithero, S. D., and Durando.)
Durdin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Automatic control mechanism for electric motors. 1,982,578; Nov. 27.
Earman, John B., West Palm Beach, Fla. Dental slab. 1,982,155; Nov. 27.
Earnshaw, George F., assignor to Earnshaw Knitting Company, Newton, Mass. Sleeping garment. 1,982,579; Nov. 27.
Earnshaw Knitting Company. (See Earnshaw, George F., assignor.)
Eaton, A. M., Paper Company. (See Eaton, Carleton G., assignor.)
Eaton, Carleton G., Waltham, assignor to A. M. Eaton, Paper Company, Boston, Mass. Paper bag. 1,982,503; Nov. 27.
Eaton Manufacturing Company. (See Snell, Lyle K., assignor.)
Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)

Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Edeleanu Gesellschaft m. b. H. (See Grote, W., and Obergfell, assignors.)
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,982,469; Nov. 27.
Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch. 1,982,339; Nov. 27.
Ehrlich, Jacob, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Friction transmission. 1,981,910; Nov. 27.
Einstein, Sol, and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,982,287; Nov. 27.
Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Tensioning means for ticker tape. 1,981,858; Nov. 27.
Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 93,915; Nov. 27.
Electric and Musical Industries Limited. (See Bowman-Manifold, Michael, assignor.)
Elliott, Harmon P., Watertown, Mass. Stencil filling cabinet. 1,982,504; Nov. 27.
Elliott, Phillip H., Charleston, W. Va., and W. E. White, Columbus, Ohio, assignors to Chemical Manufacturing Company, Point Pleasant, W. Va. Heat exchange medium. 1,981,849; Nov. 27.
Emerson, George B., Cambridge, Mass. Arteriomanometer. 1,982,505; Nov. 27.
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Nitrided article of manufacture. 1,982,421; Nov. 27.
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Nitrided article of manufacture. 1,982,422; Nov. 27.
Engelsman, Monroe, New York, N. Y. Ring and finger gauge. 1,981,911; Nov. 27.
Ennis, Harry J., Los Angeles, Calif. Comb. 1,982,136; Nov. 27.
Erbach, Frederick R., Beloit, Wis., assignor to Kelvinator Corporation, Detroit, Mich. Circuit control mechanism for mechanical refrigerating apparatus. Re19,385; Nov. 27.
Erie Dyeing & Processing Co. (See Kreis, Joseph D., assignor.)
Erickson, Hugo, Chicago, Ill. Combination bottle and tray with glasses. Des. 93,916; Nov. 27.
Evans, Ralph R., Watertown, assignor to Simplex Wire and Cable Company, Boston, Mass. Insulated wire and making the same. 1,982,288; Nov. 27.
Evans, Ronald C., Elgin, Ill., assignor to Municipal Appliance Company, New York, N. Y. Frame assembly for mounting a unitary device on an automobile chassis. 1,981,995; Nov. 27.
Expanded Metal Company, Limited. (See Salmon, H., and Williams, assignors.)
Eyer, Carl. (See Stephansen, N., Eyer, and Meder.)
Eyrick, Philip A., Arlington, Mass. Waffle iron grid. Des. 93,917; Nov. 27.
Eyster, Lewis A. (See Hand, L. R., and Eyster.)
Fageol, Robley D., assignor to Leibing Automotive Devices, Inc., Oakland, Calif. Fuel control apparatus. 1,982,049; Nov. 27.
Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold and method of casting. 1,982,423; Nov. 27.
Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold and method of casting metal. 1,982,424; Nov. 27.
Fairfax Partition & Construction Company, Inc. (See Holdsworth, Harry, assignor.)
Family Laundry Company Malden. (See Pierce, Lucien, assignor.)
Fankboner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,981,912; Nov. 27.
Farnham, Ralph. (See Gray, F. D., and Farnham.)
Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)
Felten and Guilleaume Carlswerk Actien-Gesellschaft. (See Zapf, Georg, assignor.)
Ferguson, William C., St. Louis, Mo. Asphaltic cement. Re19,381; Nov. 27.
Ferreira, John, and A. da Costa, Martinez, Calif. Roof tile. 1,982,206; Nov. 27.
Fetters, Charles A., Washington, D. C. Hair waving machine. 1,982,156; Nov. 27.
Feulner, George, Boulder City, Nev. Hydraulic lift for bathtubs. 1,982,245; Nov. 27.
Fielden, Arthur, assignor to General Motors Corporation, Detroit, Mich. Fuel pump. 1,981,913; Nov. 27.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company, Polymerized, bituminous, premolded, expansion joint. 1,982,506; Nov. 27.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company, Constructional material and paving structure. 1,982 580; Nov. 27.
Fischer, Anthony J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Digestion of sewage sludge. 1,982,246; Nov. 27.
Fisher, James P., Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Pipe welding. 1,981,850; Nov. 27.
Fitch, F. W., Company. (See Graham, Robert L., assignor.)
Fite, John E., Philadelphia, Pa. Warping apparatus. 1,982,507; Nov. 27.
Fjellstedt, Thorsten, A. Alsaker, and W. O. Hampton, assignors to The Delta Star Electric Company, Chicago, Ill. Switch. 1,981,996; Nov. 27.
Flexo Safety Razor Corporation. (See Koree, Jean U., assignor.)
Flynn, Frank E., Youngstown, Ohio. Stripper and conveyer for carrier sheets. 1,982,607; Nov. 27.
Flynn, Frank E., Youngstown, and G. N. Harmon, Warren, Ohio. Automatic control for looper pans. 1,982,608; Nov. 27.
Foley, James P., Timmins, Ontario, Canada. Banker's protective appliance. 1,982,247; Nov. 27.
Folmer-Electracide Corporation. (See Folmer, William F., assignor.)
Folmer, William F., assignor to Folmer-Electracide Corporation, Rochester, N. Y. Adjustable electrified insect screen. 1,981,951; Nov. 27.
Food Machinery Corporation. (See Minnis, Philip A., assignor.)
Food Machinery Corporation. (See Stebler, Fred, assignor.)
Food Processing Company, The. (See Wright, William E., assignor.)
Forbes, Henry C., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Co. Frequency measuring system. 1,982,340; Nov. 27.
Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system. 1,981,952; Nov. 27.
Foxboro Company, The. (See Wilson, C. H., and Brown, assignors.)
Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind. Wheel. 1,981,953; Nov. 27.
Frank, Leo M. (See Oxley, W. J., and Frank.)
Frank, Paul, Scheveningen, Netherlands. Apparatus for treatment of the body with sprayed applications and the like. 1,982,508; Nov. 27.
Frank, Paul, Scheveningen, Netherlands. Apparatus for applying treatment media to the living body. 1,982,509; Nov. 27.
Frank, William H., and J. Messing assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 1,982,289; Nov. 27.
Frankfort Distillery, The. (See Miller, Samuel C., assignor.)
Franklin Railway Supply Company. (See Zouck, George H., assignor.)
Franks, Wilbur R., Toronto, Ontario, Canada. Cleaning air in enclosed spaces. 1,982,470; Nov. 27.
Frazey, Jefferson D., Antonito, Colo. Wader pad. 1,982,510; Nov. 27.
Freel, Albert E., Owensboro, Ky. Time indicating device. 1,981,997; Nov. 27.
Freese, James D., assignor of one-half to C. Bacon, Pawhuska, Okla. Fishing lure. 1,982 609; Nov. 27.
Frei, Elisabeth, Zurich, Switzerland. Arch support. 1,981,998; Nov. 27.
French, Norman R., Pleasantville, N. Y., assignor to American Telephone and Telegraph Company. Optical telephone system. 1,981,999; Nov. 27.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Automatic control for internal combustion engines. 1,981,859; Nov. 27.
Fretz-Moon Tube Company, Inc., The. (See Church, G. T., and Boyd, assignors.)
Fries, Harold H. (See Stockelbach, Frits E., assignor.)
Furniss, Henry D., New York, N. Y. Clamping instrument and using the same. 1,982,207; Nov. 27.
G & G Atlas Systems, Inc. (See Maclaren, James G., assignor.)
Gagnier, George E. (See Place, Bion C., assignor.)
Gammeter, John R., Akron, Ohio, assignor to United States Rubber Company, New York, N. Y. Elastic thread. 1,982,208; Nov. 27.
Gandrup, Sidney. (See Gandrup, Vernon and S.)
Gandrup, Vernon and S., Watsonville, Calif. Agricultural implement. 1,982,157; Nov. 27.
Gantz, Moses F., Yonkers, N. Y. Embroidered textile fabric. Des. 93,918; Nov. 27.
Garde, Ange. (See Dreyfus, L., and Garde.)
Gardner, John E., Chicago, Ill. Selecting system. 1,982,290; Nov. 27.
Garrigue, William & Co. (See Sieck, William, jr., assignor.)
Garvie, James, Bedford Park, London, England. Steam jet pump. 1,982,378; Nov. 27.
Garwood, Charles B. (See Hilgenberg, C. G., and Garwood.)
Gary, Alphonse, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Embossing cylinders for the goffering of films. 1,982,209; Nov. 27.
Gaskill, Kenneth W., Cleveland, Ohio. Fluid-operated gear-shifting mechanism. Re19,382; Nov. 27.

Gasoline Antioxidant Company. (See Rogers, T. H., and Voorhees, assignors.)
Gasoline Antioxidant Company. (See Winning, Carl, assignor.)
Gebhard, Louis A., and G. E. Jacobson, Washington, D. C. Vacuum tube life meter. 1,981,860; Nov. 27.
Gebhardt, Edwin, Cincinnati, Ohio. Handkerchief carrying vanity accessory. 1,982,248; Nov. 27.
Geer, Paul A. (See Morton, W. A., and Geer.)
Geist, William, Clayton, Mo. Glare protector for automobiles and other vehicles. 1,982,511; Nov. 27.
General Aniline Works, Inc. (See Baumann, Fritz, assignor.)
General Aniline Works, Inc. (See Cressly, Alfred, assignor.)
General Aniline Works, Inc. (See Hentrich, W., and Hilger, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Berthold, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Kochendoerfer, assignors.)
General Aniline Works, Inc. (See Taube, Carl, assignor.)
General Development Laboratories, Inc. (See Sperti, George, assignor.)
General Development Laboratories, Inc. (See Sperti, G., Norris, Withrow, and Schneider, assignors.)
General Electric Company. (See Bailey, William M., assignor.)
General Electric Company. (See Butler, Henry E., assignor.)
General Electric Company. (See Catlett, James T., assignor.)
General Electric Company. (See Clinker, R. C., and Davies.)
General Electric Company. (See Harty, Edgar A., assignor.)
General Electric Company. (See Heinbuch, George W., assignor.)
General Electric Company. (See Klumard, Isaac F., assignor.)
General Electric Company. (See Mittag, Albert H., assignor.)
General Electric Company. (See Schlingman, Paul F., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Trembley, Louis E., assignor.)
General Motors Corporation. (See Baninger, John H., assignor.)
General Motors Corporation. (See Boegehold, A. L., and Peterson, assignors.)
General Motors Corporation. (See Collins, Edward W., assignor.)
General Motors Corporation. (See Ehrlich, Jacob, assignor.)
General Motors Corporation. (See Fielden, Arthur, assignor.)
General Motors Corporation. (See Large, Samuel R., assignor.)
General Motors Corporation. (See Norviel, Harry E., assignor.)
General Motors Corporation. (See Parker, L. O., and Woolbert, assignors.)
General Motors Corporation. (See Schluchter, Alfred W., assignor.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Outdoor Advertising Co., Inc. (See Miller, William W., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Rubber Company. (See Rose, R. P., and Owen, assignors.)
George, Enoch, jr. (See Regan, W. J. and G.)
Gessler, Harry C., Brooklyn, N. Y. Salt shaker. 1,982,094; Nov. 27.
Gilbert & Barker Manufacturing Company. (See DeLancey, Warren H., assignor.)
Gilbert & Barker Manufacturing Company. (See Smith, S. G., and Morand, assignors.)
Gillette, Clyde F., New York, assignor to United Research Corporation, Long Island City, N. Y. Photographic process. 1,982,210; Nov. 27.
Gillette, Clyde F., New York, assignor to United Research Corporation, Long Island City, N. Y. Composite photographic process. 1,982,211; Nov. 27.
Glasson, John, Johnstown, Pa. Bore cutting apparatus. 1,982,425; Nov. 27.
Gleason, James E., and E. W. Bullock, assignors to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 1,982,050; Nov. 27.
Gleason-Tiebout Glass Company. (See Barnes, Stanley H., assignor.)
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gleason Works, The. (See Gleason, J. E., and Bullock, assignors.)
Globe American Corporation. (See Hill, Dewey H., assignor.)
Goethel, Otto L., Grand Rapids, Mich. Triple lock spring with floating top. 1,982,426; Nov. 27.
Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,982,379; Nov. 27.
Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,982,380; Nov. 27.
Golob, John E., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Motorstat. 1,982,051; Nov. 27.
Goodman Manufacturing Company. (See Yodox, Frederick W., assignor.)
Goodrich, George N., St. Paul, Minn. Separator for storage batteries. 1,982,095; Nov. 27.
Goodwin, Edwin A., Oceanport, N. J. Remote control and keying system for radio transmitters. 1,981,861; Nov. 27.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for automatic looms. 1,982,249; Nov. 27.
Goss Printing Press Company, The. (See Fankboner, Harland, assignor.)
Gould Coupler Company, The. (See Davis, D. C., and Clark, assignors.)
Gould, Herman, Brooklyn, and F. Ackerman, Bronx, N. Y. Roll leaf imprinting machine for leather goods. 1,982,158; Nov. 27.
Gould, Ralph E., Los Angeles, Calif. Carburetor. 1,982,291; Nov. 27.
Grabelsky, Abraham, New York, N. Y. Edgeglass mounting. 1,982,096; Nov. 27.
Graham, Robert L., McAlester, Oklahoma, assignor to F. W. Fitch Company, Des Moines, Iowa. Shaving mug. 1,982,512; Nov. 27.
Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar manufacturing apparatus and method. 1,982,292; Nov. 27.
Graves, Earl R., Riverside, Ill., assignor to International Harvester Company. Check wire for planters. 1,982,427; Nov. 27.
Gray, Fred D., and R. Farnham, Herkimer, N. Y., assignors, by mesne assignments, to Packing Products Corporation. Packing holder for fragile articles. 1,982,428; Nov. 27.
Green, Lee B., Lakewood, Ohio. Frontal grille for radiators. 1,982,293; Nov. 27.
Greenhill & Daniel, Inc. (See Daniel, William, assignor.)
Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Cooling unit. 1,982,429; Nov. 27.
Greenwood, Eva J., et al. (See Peltier, Joseph E., assignor.)
Greenwood, J. M., et al. (See Peltier, Joseph E., assignor.)
Gressly, Alfred, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs of the stilbene series and making same. 1,982,159; Nov. 27.
Griffin, Guy T., Albany, N. Y. Automatic seal for tubes. 1,982,294; Nov. 27.
Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, England. Electrical speed governor. 1,982,000; Nov. 27.
Groset, John P., and C. J. Halset, assignors to Ideal Machine Company, Chicago, Ill. Machine for making ice cream cones and the like. 1,981,862; Nov. 27.
Grote, Wolfgang, Berlin-Wilmersdorf, Germany, and P. Obergfell, New York, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Continuous refining of mineral oils with liquid SO_2 and the like. 1,982,513; Nov. 27.
Gruss, Lucien R., Cleveland, Ohio. Hydro-pneumatic shock absorber for motor vehicles. 1,982,471; Nov. 27.
Gufler, Dorothea R., Emporia, Kans. Boy doll. Des. 93,919; Nov. 27.
Gufler, Dorothea R., Emporia, Kans. Girl doll. Des. 93,920; Nov. 27.
Guiberson Diesel Engine Company. (See Thaheld, Ferl A., assignor.)
Guinot, Henri M., Melle, assignor to Usines de Melle, Melle, Deux-Sevres, France. Manufacture of acetic acid from alcohol. 1,982,160; Nov. 27.
Gundelfinger, William E., St. Louis, Mo., assignor to Knapp-Monarch Company, Belleville, Ill. Heater attachment for fans. 1,982,382; Nov. 27.
Gurbacki, Vincent, Chicago, Ill. Folding stool. 1,982,295; Nov. 27.
Gurney, Daniel, assignor to Landis Tool Company, Waynesboro, Pa. Sizing device for grinding machines. 1,982,161; Nov. 27.
Guyer, William, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 93,921; Nov. 27.
Haas, Earle C., Denver, Colo. Pessary. 1,982,001; Nov. 27.
Haas, Frederick S. (See Einstein, S., and Haas.)
Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,982,297; Nov. 27.
Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,982,298; Nov. 27.
Hagist, Emil T., Glenside, Pa. Solderless terminal connecting device for electrical conductors. 1,982,212; Nov. 27.
Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Emergency control for closed centrifuges. 1,982,296; Nov. 27.
Hall, William L., et al. (See Rowe, Fred H., assignor.)
Hallden, Karl W., Thomaston, Conn., assignor to Steel and Tubes, Inc., Cleveland, Ohio. Apparatus for severing a moving article. 1,982,383; Nov. 27.

Hallenbeck, Charles V., Denver, Colo. Portable drier. 1,982,250; Nov. 27.
Halset, Christ J. (See Groset, J. P., and Halset.)
Hampton, Weldon O. (See Fjelstedt, T., Alsaker, and Hampton.)
Hand, Leon R., Hummels Wharf, and L. A. Eyster, Sunbury, Pa. Bolt and clamp. Re19,386; Nov. 27.
Hanley, George C., Malden, Mass. Humidifier head. 1,982,137; Nov. 27.
Hansen, Paul, Copenhagen, Denmark. Safety device for compressed air or other fluid pressure pipe systems. 1,982,514; Nov. 27.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Belt tightener. 1,982,299; Nov. 27.
Harmon, George N. (See Flynn, F. E., and Harmon.)
Harris, Carl C., Orange, Mass. Umbrella support. 1,982,097; Nov. 27.
Harris, Carl R. (See Blackwood, A. J., and Harris.)
Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Hose reel. 1,982,610; Nov. 27.
Harris, Irving C., Los Angeles, Calif. Tool joint. 1,981,863; Nov. 27.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 1,982,300; Nov. 27.
Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,982,251; Nov. 27.
Hartford-Empire Company. (See Hiller, Everett O., assignor.)
Hartmann, Alexander M., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Welding electrode. 1,982,098; Nov. 27.
Hartmann, Miner L. (See Landreth, Wallace, assignor.)
Hartnett, John T., Arlington, assignor of one-half to Courier-Citizen Company, Lowell, Mass. Game. 1,982,611; Nov. 27.
Harty, Edgar A., Marblehead, Mass., assignor to General Electric Company. Making electrical cut-outs. 1,982,384; Nov. 27.
Harvey, Raymond, New York, N. Y. Textile fabric or similar article of manufacture. Des. 93,922; Nov. 27.
Harvey, Roger A., Binghamton, N. Y. Burglarproof door for banks. 1,982,301; Nov. 27.
Hatch, Raymond S., East Orange, N. J., assignor to International Bleaching Corporation New York, N. Y. Bleaching paper pulp. 1,982,002; Nov. 27.
Hauser, Ernst A., Wimpassing I. Schwte, Austria, assignor to Kaysam Syndicate Limited, London, England. Composite porous and micro-porous articles. 1,982,385; Nov. 27.
Hausse, Richard H. (See Marty, M. J., and Hausse.)
Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,982,162; Nov. 27.
Hayes-Gruntze, Eugene V., Kensington, London, England. Making a material for use in caulking, packing, lagging, or covering, and for other purposes. 1,982,381; Nov. 27.
Hechenbleikner, Ingenuin, assignor to Chemical Construction Corporation, Charlotte, N. C. Apparatus for the treatment of gaseous products. 1,982,099; Nov. 27.
Heetkamp, Heinrich, Duisburg, Germany. Revolving device for pilger mills. 1,982,472; Nov. 27.
Heggem, Alfred G., Tulsa, Okla. Oil saver. 1,982,252; Nov. 27.
Helle, Harriet, Chicago, Ill., assignor to Worthy Manufacturing Company. Pocket for garments. 1,982,100; Nov. 27.
Heinbuch, George W., Toronto, Ontario, Canada, assignor to General Electric Company. Oven. 1,982,386; Nov. 27.
Helt, Philip, New York, N. Y. Dress. Des. 93,923; Nov. 27.
Heller, Hugo, sr., Chicago, Ill., assignor to Milprint Products Corporation, Milwaukee, Wis. Treating fabrics or clothes during laundering operations and apparatus therefor. 1,981,954; Nov. 27.
Heltzel, John N., Warren, Ohio. Road building machine. 1,982,387; Nov. 27.
Hennessy, Daniel E., Miami, assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla. Semitrailer. 1,982,052; Nov. 27.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphamino-phenyl methyl-pyrazolones. 1,982,163; Nov. 27.
Herbster, George, assignor to The Cleveland Cooperative Store Company, Cleveland, Ohio. Gas igniting and burning device. 1,982,101; Nov. 27.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Cushion slide for furniture. 1,982,138; Nov. 27.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,981,914; Nov. 27.
Hess, Lloyd D., and C. R. Libby, assignors to The Lamson Company, Syracuse, N. Y. Conveyer system. 1,982,102; Nov. 27.
Hetzel, Charles E., South Hadley Falls, Mass. Sheet treating machine and treating sheets. 1,982,302; Nov. 27.
Hicks, Robert B., Brooklyn, N. Y. Flow switch. 1,982,430; Nov. 27.
Hilgenberg, Carl G., and C. B. Garwood, assignors to Carr-Lowrey Glass Co., Baltimore, Md. Automatic glass feed. 1,982,253; Nov. 27.
Hilger, Josef. (See Hentrich, W., and Hilger.)
Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Cleaner for oil burners. 1,982,303; Nov. 27.
Hiller, Everett O., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making pressed and blown hollow glassware. 1,982,103; Nov. 27.
Hilliker, William P. (See Brunstrum, L. C., and Hilliker.)
Hines, Bertha, Garnerville, N. Y. Glove pocket. 1,982,431; Nov. 27.
Hisey-Wolf Machine Company, The. (See Ritz, Emil, jr., assignor.)
Hitchcock, Richard C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company. Traffic control system. 1,982,341; Nov. 27.
Hodes, Adam K., Fremont, Ohio. Mat. 1,982,515; Nov. 27.
Hodgson, John L., G. P. E. Howard, and A. Ivanoff, Biscot Road Works, Luton, assignors to George Kent Limited, London, England. Automatic recording and/or controlling apparatus. 1,982,053; Nov. 27.
Hoelscher, William G., Norwood, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio. Feed box transmission. 1,982,612; Nov. 27.
Hoener, Gustav A., Detroit, Mich. Bending machine. 1,982,164; Nov. 27.
Hoffman, Morris J., Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y. Type inserting mechanism for printing machines. 1,982,003; Nov. 27.
Hogue, Henry J., assignor of one-third to C. L. Wasmer and one-third to J. C. Wasmer, Lakewood, Ohio. Method and apparatus for making nuts. 1,982,054; Nov. 27.
Hokanson, Otto A. (See Bond, R. W., and Hokanson.)
Holden, John W. W., Providence, assignor to Ashaway Line and Twine Manufacturing Company, Ashaway, R. I. Line, twine, and cord. 1,982,304; Nov. 27.
Holdsworth, Harry, New Rochelle, assignor to Fairfax Partition & Construction Company, Inc., New York, N. Y. Wall construction. 1,982,104; Nov. 27.
Holmes, George S. Co. Inc., The. (See Barge, William D., assignor.)
Holmsted, Francis K., assignor to F. K. Crocker, Charleston, W. Va. Seat mat. 1,982,516; Nov. 27.
Holt, Fred. (See Savage, J., Holt and Thomas.)
Hoobery, William J., Lafayette, Tenn. Cuspidor. 1,982,517; Nov. 27.
Hooper, George W. (See Pierce, Lucien, assignor.)
Hopkins, Jesse C., assignor to J. A. and M. P. Rucker, Bedford, Va. Jacket for transfusion, infusion, and injection flasks. 1,982,213; Nov. 27.
Hormel, August, Hoboken, and W. Russell, Ridgewood, N. J., said Russell assignor to said Hormel. Manufacture of metal wares. 1,981,915; Nov. 27.
Horton, Erwin C. (See Hueber, H., and Horton.)
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 1,981,804; Nov. 27.
Hounsfield, Leslie H., Wimbledon, London, England. Bedstead. 1,982,165; Nov. 27.
Howard, Giles P. E. (See Hodgson, J. L., Howard, and Ivanoff.)
Howard, Henry, Newport, R. I. Scale prevention. 1,982,518; Nov. 27.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Carburetor. 1,982,581; Nov. 27.
Huehn, George A., Wiarton, Ontario, Canada. Golf bag stand. 1,982,388; Nov. 27.
Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle construction. 1,982,105; Nov. 27.
Hull, Rubert A., Andover, Ill. Cemetery monument. 1,982,432; Nov. 27.
Hultquist, Victor J., Alcoa, Tenn. Service hanger. 1,982,166; Nov. 27.
Humphrey, Carroll L., Detroit, and R. K. Lee, Highland Park, assignors to Chrysler Corporation, Detroit, Mich. Gluing machine. 1,982,004; Nov. 27.
Hungerford, Mary L., Colorado Springs, Colo. Toy. 1,982,433; Nov. 27.
Hunicke, Clarence C., Palisade, N. J. Air conditioning system. 1,982,805; Nov. 27.
Hunt, Emma F., Brooklyn, N. Y. Bracket and hanger. 1,982,214; Nov. 27.
Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 1,982,166; Nov. 27.
Huntley, Burton L., Minneapolis, Minn. Humidifier. 1,981,916; Nov. 27.
Hutter, Francis, assignor to The McCall Company, New York, N. Y. Garment pattern. 1,982,005; Nov. 27.
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
Hydro-Pneumatic Bath Appliance Company. (See Martin, John S., assignor.)
Hyland, Lawrence A. (See Taylor, A. H., Young, and Hyland.)

Hyman, Henry. (See Muldoon, Bernard F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Barfuss, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., and Johannsen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., and Wurster, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dierichs, A., and Weiss, assignors.)
Ideal Machine Company. (See Groset, J. P., and Halset, assignors.)
Imperial Chemical Industries Limited. (See Bunbury, H. M., and Baldwin, assignors.)
Imperial Chemical Industries Limited. (See Savage, J., Holt, and Thomas, assignors.)
Imperial Chemical Industries Limited. (See Wheeler, Thomas S., assignor.)
Industrial Development Corporation. (See Wilkins, Richard A., assignor.)
Ingersoll-Rand Company. (See Allen, Roy O., assignor.)
Ingersoll-Rand Company. (See Nanb, Julius, assignor.)
International Bleaching Corporation. (See Hatch, Raymond S., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machines Corporation. (See Hoffman, Morris J., assignor.)
International Business Machines Corporation. (See Lowkrantz, Gunne, assignor.)
International Business Machines Corporation. (See Momon, Louis, assignor.)
International Business Machines Corporation. (See Read, Harold L., assignor.)
International Business Machines Corporation. (See Weinlich, H. A., and Kölm, assignors.)
International Business Machines Corporation. (See Worden, William, assignor.)
International Harvester Company. (See Borgerd, W. F., and Uherek, assignors.)
International Harvester Company. (See Graves, Earl R., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Johnston, E. A., and Lindgren, assignors.)
International Harvester Company. (See Parsons, Harry N., assignor.)
International Harvester Company. (See Scarratt, A. W., and Reinoehl, assignors.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Seal and Knot Protector Co., The. (See Keidel, Frank, assignor.)
Ivanoff, Alexander. (See Hodgson, J. L., Howard, and Ivanoff.)
Ivins', J. S., Son, Inc. (See Donovan, T. J., jr., assignor.)
Jacobson, George E. (See Gebhard, L. A., and Jacobson.)
Jaden, Fred I., and A. B. Arnold, Hastings, Nebr. Attachment for air lines. 1,982,519; Nov. 27.
Jaknla, Stanislaw, Chicago, Ill. Sanitary device. 1,982,520; Nov. 27.
Jenkins, Alexander F., Baltimore, Md. Apparatus for applying paint. 1,982,055; Nov. 27.
Jenkins, Alexander F., Baltimore, Md. Spray gun. 1,982,056; Nov. 27.
Jobski, Otto H., assignor to The West Steel Casting Company, Cleveland, Ohio. Adapter ring. 1,982,057; Nov. 27.
Johannsen, Adolf. (See Brode, J., and Johannsen.)
Johanson, John H., Waltham, assignor of one-half to H. T. Nelson, Boston, Mass. Fluid operated hand tool. 1,981,955; Nov. 27.
Johns-Manville Corporation. (See Bavis, Bruce N., assignor.)
Johns-Manville Corporation. (See Seigle, William R., assignor.)
Johnson, Alfred M., Arlington, Wash. Rodent trap. 1,982,389; Nov. 27.
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Checkrow wire for planters. 1,982,434; Nov. 27.
Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Thermally actuable means for operating electric switches. 1,982,521; Nov. 27.
Johnson, George W. (See Reese, L. V., and Johnson.)
Johnson, Gustaf A., New Bedford, Mass. Lamp socket. 1,982,306; Nov. 27.
Johnson, Henry W. A., Roslindale, Boston, and R. H. Moore, Lexington, Mass. Casing for water heaters and the like. Des. 93,924; Nov. 27.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor drive mechanism. 1,982,436; Nov. 27.
Johnston, Edward A., and A. C. Lindgren, Chicago, Ill., assignors to International Harvester Company. Delayed discharge control for windrow harvesters. 1,982,435; Nov. 27.
Jones & Laughlin Steel Corporation. (See Troxel, Frank A., assignor.)
Jones, Rufus B., Cincinnati, and J. J. Black, Newtown, assignors to The Trailer Company of America, Cincinnati, Ohio. Semitrailer. 1,982,613; Nov. 27.
Jones, William A., Westerleigh, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,981,865; Nov. 27.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Latex applying top cementing machine. 1,981,956; Nov. 27.
Juengling, Karl F., Lakewood, assignor to The Otto Konigslow Manufacturing Company, Cleveland, Ohio. Base for devices. 1,982,254; Nov. 27.
Justheim, Clarence L., Salt Lake City, Utah. Atmospherically controlled fueling system. 1,982,107; Nov. 27.
Kilgi, Emil, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Liquid level regulating apparatus. 1,982,108; Nov. 27.
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Tunnel lining. 1,982,307; Nov. 27.
Kahn, Julius, Youngstown, and H. E. White, Cleveland, assignors to Truscon Steel Company, Youngstown, Ohio. Tunnel liner. 1,982,308; Nov. 27.
Kahn, Leo M., New York, N. Y. Ironing and pressing machine. 1,982,342; Nov. 27.
Kane, Charles S., Montreal, Quebec, Canada. Building construction. 1,982,343; Nov. 27.
Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 93,925; Nov. 27.
Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 93,926; Nov. 27.
Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 93,927; Nov. 27.
Kauchack, Michael, Pitcairn, Pa. Valve. 1,982,167; Nov. 27.
Kayner, Morris S., New York, N. Y. Cigar. 1,982,168; Nov. 27.
Kaysam Syndicate Limited. (See Hauser, Ernst A., assignor.)
Keasby & Mattison Company. (See Ledeboer, John W., assignor.)
Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,982,438; Nov. 27.
Keller-Dorian Colorfilm Corporation. (See Gary, Alphonse, assignor.)
Keller-Dorian Colorfilm Corporation. (See Wright, Arthur, assignor.)
Keller, Lewis R., New York, N. Y. Musical toy. 1,982,522; Nov. 27.
Kelvinator Corporation. (See Erbach, Frederick R., assignor.)
Kelvinator Corporation. (See Greenwald, Harold A., assignor.)
Kent, George, Limited. (See Hodgson, J. L., Howard, and Ivanoff.)
Keown, John M., Chicago, assignor of one-fifth to A. E. Sangdahl, Western Springs, one-fifth to W. F. Ogle, Chicago, one-fifth to E. J. Learned, Lake Forest, and one-fifth to B. F. Ramsdell, Geneva, Ill. Grating construction. 1,982,109; Nov. 27.
Keown, John M., Chicago, Ill., assignor of part interests to A. E. Sangdahl, W. F. Ogle, E. J. Learned, and B. F. Ramsdell. Armored floor structure. 1,982,110; Nov. 27.
Kercher, Arthur J., Berkeley, Calif. Electrical air heater. 1,982,139; Nov. 27.
Kimura, Kesao, Terajimacho, Mukojimaku, Tokyo, Japan. Multicolor pencil. 1,981,917; Nov. 27.
King, Bernard, U. S. Navy. Carbon cutting device. 1,987,866; Nov. 27.
King, Dean W., San Francisco, Calif. Gun sight. 1,982,058; Nov. 27.
King, Dewey H., Mayfield, Ky. Combination chair, ironing board, and stepladder. 1,982,111; Nov. 27.
Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Electromagnetic apparatus. 1,982,344; Nov. 27.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,981,918; Nov. 27.
Kirby, James B., West Richfield, Ohio. Window washer. 1,982,345; Nov. 27.
Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Cocktail Shaker. Des. 93,928; Nov. 27.
Kirschbraun, Lester, Leonia, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Packaged article of manufacture. 1,982,215; Nov. 27.
Kitson Company. (See Lovekin, Luther D., assignor.)
Knapp-Monarch Company. (See Gundelfinger, William E., assignor.)
Knapp-Monarch Company. (See Smith, John E., assignor.)
Knoll, Henry W., Minneapolis, Minn. Hair drier. 1,982,255; Nov. 27.
Knowlton, Harry M., Chicago, Ill., assignor by mesne assignments, to Signode Steel Strapping Company. Shipping crate. 1,982,437; Nov. 27.
Knox, Harry A., and B. F. Baker, Davenport, Iowa. Track laying vehicle. 1,981,867; Nov. 27.
Kochendoerfer, Gerd. (See Kunz, M. A., Koeberle, and Kochendoerfer.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Berthold.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Kochendoerfer.)

Kohr, Robert F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,957; Nov. 27.
Kollath, Francis C., Chicago, Ill., assignor by mesne assignments to Cutler-Hammer, Inc., Milwaukee, Wis. Electric connecter. 1,982,109; Nov. 27.
Kölm, Ulrich. (See Weinlich, H. A., and Kölm.)
Komarek, Gustav, assignor to Berwind Fuel Company of Delaware, Chicago, Ill. Apparatus for carbonization and distillation of solid hydrocarbons. 1,982,523; Nov. 27.
Konigslow, Otto, Manufacturing Company, The. (See Juengling, Karl F., assignor.)
Koree, Jean U., New York, N. Y., assignor to Flexo Safety Razor Corporation. Safety razor. 1,981,958; Nov. 27.
Kotter, Theodore F. (See O'Brien, D. J., and Kotter.)
Kousin, Harry, New York, and W. Sude, Arverne, N. Y. Wedding ring or similar article. Des. 93,929; Nov. 27.
Krauth & Benninghofen. (See Diesbach, Fritz G., assignor.)
Kreis, Joseph D., assignor to The Erie Dyeing & Processing Co., Cleveland, Ohio. Yarn printing machine. 1,982,340; Nov. 27.
Kroll, Nathan. (See Kroll, Samuel and Nathan.)
Kroll, Samuel and N., Chicago, Ill. Vehicle wheel. 1,982,309; Nov. 27.
Kuehn, Lawrence J., Milwaukee, Wis. Bifocal lens. 1,982,310; Nov. 27.
Kunz, Max A., Mannheim, K. Koeberle, and G. Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of valuable compounds of the anthracene series. 1,982,311; Nov. 27.
Kunz, Max A., Mannheim, K. Koeberle, and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated dibenzanthrone. 1,982,312; Nov. 27.
Kunz, Max A., Mannheim, and K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated dibenzanthrones. 1,982,313; Nov. 27.
Kutchera, Adolf, Bismarck, N. Dak. Overshoe for skates. 1,982,524; Nov. 27.
Kyle, Raymond A., Breese, Ill. Automatic and manually controlled cam and lever actuated disk clutch. 1,982,006; Nov. 27.
Lackey, Robert M. (See West, Merle J., assignor.)
Lakeside Garage and Implement Company. (See Wotachek, Frank W., assignor.)
La Montagne, Patrick P., assignor to Paramount Textile Machinery Company, Kankakee, Ill. Knitting machine. 1,981,919; Nov. 27.
Lamson Company, The. (See Hess, L. D., and Libby, assignors.)
Landis Tool Company. (See Gurney, Daniel, assignor.)
Landreth, Wallace, Los Angeles, assignor of one-tenth to M. L. Hartmann, Beverly Hills, Calif. Practice golf ball. 1,981,959; Nov. 27.
Lang, Herbert H., Wilmette, assignor to Rite-Rite Mfg. Co., Chicago, Ill. Package for pencil leads. 1,982,112; Nov. 27.
Langley, Frank. (See Sumner, H. C., Taylor and Langley.)
Lansing, Raymond P., Montclair, assignor by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Variable pitch propeller. 1,982,170; Nov. 27.
Large, Samuel R., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Cage or separator for bearings. 1,982,347; Nov. 27.
Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Mounting means for aircraft sustaining rotors. 1,982,113; Nov. 27.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Railway signal. 1,982,439; Nov. 27.
La Valle, Dominick, Marlboro, N. Y. Shoe. Des. 93,930; Nov. 27.
Lawler, William L., Birmingham, Ala. Power churn. 1,982,059; Nov. 27.
Lawrence, Alexander, Pawtucket, R. I. Automobile signal light. 1,982,256; Nov. 27.
Lawson, Kate M., Surbiton, England. Golf practising machine. 1,982,525; Nov. 27.
Lawson, Oscar L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 1,981,868; Nov. 27.
Learned, Edwin J., et al. (See Keown, John M., assignor.)
Lebowitz, Samuel H., New York, N. Y. Bottle closure and dropper. 1,982,440; Nov. 27.
Ledeboer, John W., Ambler, Pa., assignor, by mesne assignments, to Keasbey & Mattison Company. Making panel board. 1,982,314; Nov. 27.
Lee, Roger K. (See Humphrey, C. L., and Lee.)
Leibing Automotive Devices, Inc. (See Fageol, Robley D., assignor.)
LeLaurin, Harry. (See McKinney, P. E., and LeLaurin.)
Lelyveld, Joseph, Rockland, Mass. Adjustable arch support for footwear. 1,981,920; Nov. 27.
Levin, Nathan, Trenton, N. J., assignor to H. Brinton Company, Philadelphia, Pa. Knitting machine and making openwork fabric. 1,982,257; Nov. 27.
Levine, Calman, New York, N. Y., assignor to Joseph E. Seagram & Sons, Ltd., Waterloo, Ontario, Canada. Bottle. Des. 93,931; Nov. 27.
Levine, Calman, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 93,932; Nov. 27.
Levy, Joseph, New York, N. Y. Light projector or similar articles. Des. 93,933; Nov. 27.
Levy, Joseph, New York, N. Y. Light projector or similar article. Des. 93,934; Nov. 27.
Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Torsion testing mechanism. 1,981,960; Nov. 27.
Lewis, Thomas J., New York, N. Y. Package. 1,982,390; Nov. 27.
Liberty Share Corporation. (See Morgan, Porter S., assignor.)
Libby, Charles R. (See Hess, L. D., and Libby.)
Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Piston packing. 1,982,614; Nov. 27.
Linde Air Products Company, The. (See Mesinger, W. F., and Mattison, assignors.)
Lindgren, Alexus C. (See Johnston, E. A., and Lindgren.)
Linkens, Harold. (See Stover, Francis E., assignor.)
Lipscomb, Vergil C., St. Louis, assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,935; Nov. 27.
Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,981,921; Nov. 27.
Logan, Frank J., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,982,007; Nov. 27.
Longview Fibre Company. (See Wollenberg, Harry L., assignor.)
Lorthiois, Robert, Tourcoing, France. Warp pile fabric. 1,982,171; Nov. 27.
Lovekin, Luther D., Villa Nova, assignor to Kitson Company, Philadelphia, Pa. Cold water inlet control valve. 1,982,582; Nov. 27.
Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Universal joint. 1,982,441; Nov. 27.
Lowkrantz, Gunne, Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,982,216; Nov. 27.
Lubkin, Samuel, Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Elevator door control. 1,982,442; Nov. 27.
Luce, Richard W. (See Oestnaes, Y. L., and Luce.)
Luehrs, Henry H., Rochester, N. Y. Unit concrete wall construction. 1,982,217; Nov. 27.
Luff, Willard J., Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Intercepting trap. 1,982,348; Nov. 27.
Lundberg, Gunnar E., Chicago, Ill. Illuminated lawn sprinkler. 1,982,315; Nov. 27.
Lussky, Clifford, and M. W. Brumleve, Louisville, Ky. Golf club. 1,982,526; Nov. 27.
Lysholm, Alf, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Elastic fluid turbine. 1,981,872; Nov. 27.
M. J. B. Company. (See Burns, Wilfred E., assignor.)
Mackenzie, Donald G., Montreal, Quebec, Canada. Motorcar or like vehicle. 1,982,316; Nov. 27.
Maclaren, James G., San Francisco, Calif., assignor to G & G Atlas Systems, Inc., New York, N. Y. Power saving valve. 1,982,220; Nov. 27.
Magdeburger, Edward C., Washington, D. C. Elastic power transmitting device. 1,981,870; Nov. 27.
Magidson, Frank, assignor to Pittsburgh Tag Company, Pittsburgh, Pa. Inker for marking machines. 1,982,473; Nov. 27.
Mahan, Joseph R., assignor to The National-Superior Company, Toledo, Ohio. Beam hanger. 1,982,615; Nov. 27.
Mahoney, John P., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,961; Nov. 27.
Mair, Eleanor, New York, N. Y. Dress. Des. 93,936; Nov. 27.
Mair, Eleanor, New York, N. Y. Dress. Des. 93,937; Nov. 27.
Mandes, James, Washington, D. C. Bottle. Des. 93,938; Nov. 27.
Mandl, Sigmund, and E. M. Pfauser, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Coupling. 1,982,008; Nov. 27.
Manekin, Leonard, assignor to Marlboro Shirt Company, Baltimore, Md. Collar attached shirt. 1,982,527; Nov. 27.
Manson, Frank G., Dayton, Ohio. Inflatable flexible boat. 1,981,871; Nov. 27.
Marcell, Stanley. (See Bongartz, Carl H., assignor.)
Markey, Fred L., assignor to Dodgem Corporation, Lawrence, Mass. Amusement device. 1,982,391; Nov. 27.
Marlboro Shirt Company. (See Manekin, Leonard, assignor.)
Marlowe Devices, Inc. (See Marlowe, Harold J., assignor.)
Marlowe, Harold J., Brooklyn, assignor, by mesne assignments, to Marlowe Devices, Inc., New York, N. Y. Collapsible or knock-down horse. 1,982,061; Nov. 27.
Marriott, Robert H., Brooklyn, N. Y. Acoustical device. 1,981,962; Nov. 27.
Martin, George C., assignor to S. S. Mathews, Los Angeles, Calif. Orthopedic or surgical device. 1,982,140; Nov. 27.
Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,258; Nov. 27.

Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,259; Nov. 27.
Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,260; Nov. 27.
Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,261; Nov. 27.
Martin, Patrick A., Birmingham, England. Making golf and other playing balls. 1,982,218; Nov. 27.
Marty, Mathew J., and R. H. Hausse, Chicago, Ill. Automobile heater. Des. 93,939; Nov. 27.
Master Builders Company, The. (See Scripture, Edward W., jr., assignor.)
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Spring suspension for six wheel vehicles. 1,982,115; Nov. 27.
Mathews, Samuel S. (See Martin, George C., assignor.)
Matthews, James W., Uvalde, Tex. Float valve. 1,982,062; Nov. 27.
Matthews, W. N., Corporation. (See Birkenmaier, T., and Boll, assignors.)
Mattison, Arthur C. (See Mesinger, W. F., and Mattison.)
Maxmoor Corporation. (See Moore, Arlington, assignor.)
McAlister, Jallie, assignor of one-fourth to M. M. Bourquin, San Francisco, Calif. Earth working machine. 1,982,219; Nov. 27.
McBee Company, The. (See Welk, Nelson S., assignor.)
McCall Company, The. (See Hutter, Francis, assignor.)
McCallum, John, Glasgow, Scotland, and H. P. H. Anderson, Surbiton, England. Conservation of heat within a steam power system. 1,982,060; Nov. 27.
McClay, Charles E., Los Angeles, Calif., assignor to United States Research Corporation, Long Island City, N. Y. Soundproof casing for motion picture cameras. 1,982,221; Nov. 27.
McConway & Torley Company, The. (See Regan, W. J., and George, jr., assignors.)
McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,963; Nov. 27.
McDonald, Irvin F., Los Angeles, Calif. Cooking machine. 1,981,875; Nov. 27.
McDonnell, Francis S., Milton, assignor to H. A. Baker, Norwood, Mass., trustee. Fourdrinier paper machine. 1,982,349; Nov. 27.
McFadden, Fay, Rutland, Vt. Optical demonstration apparatus. 1,981,964; Nov. 27.
McFaul, Joseph H., Queens Village, N. Y. Making a corrugated fastener. 1,981,869; Nov. 27.
McGaw, Sidney A., Albany, Calif. Crate. 1,982,222; Nov. 27.
McGrath, William L., assignor to The Eclipse Machine Company, Elmira, N. Y. Controlling mechanism for internal combustion engines. 1,982,114; Nov. 27.
McKinney, Paul F., Bethlehem, Pa., and H. LeLaurin, Washington, D. C. Electroplating the interior surfaces of hollow articles. 1,982,009; Nov. 27.
McKone, Archie, Vancouver, British Columbia, Canada. Turntable. 1,982,392; Nov. 27.
McLaughlin, John E. (See Allen, R. G., and McLaughlin.)
McLean, Harold D. (See Dunn, R. J., and McLean.)
McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container. Des. 93,940; Nov. 27.
McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Heat transfer apparatus. 1,982,010; Nov. 27.
Mechanical Refrigerated Car Company. (See Spohr, Carl W., assignor.)
Meder, Georg. (See Stephensen, N., Eyer and Meder.)
Medoff, William, Brooklyn, assignor to National Cellulose Corporation, New York, N. Y. Package. 1,982,616; Nov. 27.
Meinert, Willy, Brooklyn, N. Y. Toy aeroplane stabilizer. 1,982,262; Nov. 27.
Mennesson, Marcel, Neuilly sur Seine, assignor to Société Anonyme de Constructions de Matérial Automobile S. A. C. M. A., Raynonard, Paris, France. Apparatus for measuring distance. 1,982,528; Nov. 27.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Stouges, Anthony J., assignor.)
Mesinger, William F., Flushing, N. Y., and A. C. Mattison, Hammond, Ind., assignors to The Linde Air Products Company. Automatic pressure relief device. 1,982,474; Nov. 27.
Messick, Charles, Brentwood, N. Y. Loud speaker cone suspension. 1,982,443; Nov. 27.
Messing, Joseph. (See Frank, W. H. and Messing.)
Metro-Goldwyn-Mayer Corporation. (See Ries, I. G., and Shearer, assignors.)
Metzger, Floyd J., New York, N. Y., and A. A. Backus, South Orange, N. J., assignors, by mesne assignments, to U. S. Industrial Alcohol Company, New York, N. Y. Purifying carbon dioxide gas. 1,982,228; Nov. 27.
Meyer-Delius, Heinrich, Heidelberg-Schlierbach, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Frequency changing system. 1,982,005; Nov. 27.
Meyer, John F. (See Neumann, Victor, assignor.)
Meyer, John F. (See Simpkins, Carl R., assignor.)
Michauka, Anthony, Chicago, Ill. Latch mechanism. 1,982,520; Nov. 27.
Michel, Harold, New York, N. Y. Attaching a handle to a stem or spindle. 1,982,011; Nov. 27.
Michel, William G., Niagara Falls, N. Y. Electrolytic cell. 1,982,224; Nov. 27.
Midland Company, The. (See Dodds, Ethan I., jr., assignor.)
Midland Creosoting Company, The. (See Newton, Harold M., assignor.)
Midland Steel Products Company, The. (See Riemenschneider, E., and Thoms, assignors.)
Midland Steel Products Company, The. (See Stoner, Willis G., assignor.)
Midland Steel Products Company, The, Trustee. (See Sneed, John J., assignor.)
Mikut, Paul O., Dresden, Germany. Projecting cinematographic pictures in natural colors. 1,982,530; Nov. 27.
Milcor Steel Company. (See Curtis, Lewis E., assignor.)
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, Percy L., Wakeham, Quebec, Canada. Animal trap. 1,982,393; Nov. 27.
Miller, Samuel C., assignor, by mesne assignments, to The Frankfort Distillery, Louisville, Ky. Aging and coloring whisky. 1,981,873; Nov. 27.
Miller, William, New York, N. Y. Lifting device. 1,982,225; Nov. 27.
Miller, William J., Beaumont, Tex. Line tightener. 1,982,444; Nov. 27.
Miller, William W., Berwyn, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Advertising device. 1,981,923; Nov. 27.
Milprint Products Corporation. (See Heller, H., sr., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Mingard, Aurèle L., Lausanne, Switzerland. Manufacturing hard objects in silicidized carbon or other similar substances. 1,982,012; Nov. 27.
Minneapolis Air Conditioner Company. (See Roberts, Edward H., assignor.)
Minnis, Philip A., assignor to Food Machinery Corporation, San Jose, Calif. Fruit drier. 1,982,116; Nov. 27.
Miquelon, Pantaleon E., Dearborn, Mich., assignor to Universal Products Co. Boot. 1,982,445; Nov. 27.
Mitchell, James W. (See Toole, H. S., and Mitchell.)
Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,982,350; Nov. 27.
Moche, Spero, St. Petersburg, Fla. Brush and brush holder for lure carriers. 1,982,063; Nov. 27.
Mock, Frank C., Montclair, assignor to Bendix Research Corporation, East Orange, N. J. Internal combustion engine. 1,981,874; Nov. 27.
Modern Collet & Machine Company, The. (See Baxendale, Samuel, assignor.)
Momon, Louis, Paris, France, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,982,013; Nov. 27.
Monarch Manufacturing Works, Inc. (See Murphy, Thomas W., assignor.)
Monitor Controller Company. (See Frese, Joseph F., assignor.)
Monro, Donald A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Bubble cap. 1,982,226; Nov. 27.
Moore, Arlington, assignor, by mesne assignments to Maxmoor Corporation, New York, N. Y. Charge forming and distributing manifold. 1,981,876; Nov. 27.
Moore, Arlington, New York, N. Y. Multiple port charge forming and distributing manifold. 1,982,596; Nov. 27.
Moore, Robert H. (See Johnson, H. W. A., and Moore.)
Morand, Edmund E. (See Smith, S. G., and Morand.)
Morgan, Porter S., Norwalk, Conn., assignor, by mesne assignments, to Liberty Share Corporation, Buffalo, N. Y. Liquid pump. 1,981,965; Nov. 27.
Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
Morris, Ballard N., Silver Spring, Md. Shaft rotating means for internal combustion engines. 1,982,394; Nov. 27.
Morris, Ballard N., Silver Spring, Md. Shaft rotating means. 1,982,395; Nov. 27.
Morton, James, Carlisle, England. Yarn and manufacture of the same. 1,982,014; Nov. 27.
Morton, William A. Pittsburgh, and P. L. Geer, Bellevue, assignors to Amco, Incorporated, Pittsburgh, Pa. Apparatus for annealing glassware. 1,982,477; Nov. 27.
Morton, William A., Pittsburgh, and P. L. Geer, Bellevue, assignors, by mesne assignments, to Amco, Incorporated, Pittsburgh, Pa. Method of and apparatus for annealing glassware. 1,982,478; Nov. 27.
Moss, William H., London, England, assignor to Celanese Corporation of America. Composition of matter. 1,982,227; Nov. 27.
Motor Wheel Corporation. (See Hunt, J. Harold, assignor.)
Mourometseff, Ilia E., and G. Briehy, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical conductor for electron discharge tubes. 1,982,417; Nov. 27.
Movietonews Inc. (See Spanable, Earl L., assignor.)
Mucher, John J., Brooklyn, N. Y. Resistance unit. 1,982,476; Nov. 27.
Mueller Co. (See Reedy, Emmett M., assignor.)

Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Receptacle for electric plugs. 1,982,263; Nov. 27.
Municipal Appliance Company. (See Evans, Ronald C., assignor.)
Murie, Archibald M., Detroit, Mich. Sink cabinet. 1,982,117; Nov. 27.
Murphy, Thomas W., Bala-Cynwyd, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Nozzle. 1,982,228; Nov. 27.
Murray, Harry D., Grove City, Pa., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio. Gas engine. 1,982,229; Nov. 27.
Murray, William H. G., Syracuse, N. Y. Tobacco can. 1,982,446; Nov. 27.
Myers, Hansford J., assignor of one-half to W. A. Warren, Long Beach, Calif. Automatic adjustment for step-ladders. 1,982,172; Nov. 27.
Myers, Louis, Chicago, Ill. Ladle. 1,982,015; Nov. 27.
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor controlling device. 1,982,264; Nov. 27.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Starter mechanism. 1,982,173; Nov. 27.
Nash, Elizabeth F., New York, N. Y. Eggbeater. 1,982,531; Nov. 27.
Nash, Robert J., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Method and apparatus for bending laminated sheets. 1,982,447; Nov. 27.
Nash, Robert J., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Manufacture of tennis rackets and the like. 1,982,448; Nov. 27.
Nathanson, Osias, New York, N. Y. Dress. Des. 93,941; Nov. 27.
National Cellulose Corporation. (See Medoff, William, assignor.)
National Cold Steam Company. (See Shepherd, John E., assignor.)
National Superior Company, The. (See Mahan, Joseph R., assignor.)
Naugatuck Chemical Company, The. (See Owen, Allen F., assignor.)
Naughton, George. (See Weimar, Edward, assignor.)
Nault, Archie, Beaverton, Oreg. Universal pulley. 1,982,141; Nov. 27.
Nelson, Adolph L., Detroit, Mich. Piston. 1,982,396; Nov. 27.
Nelson Corporation, The. (See Watson, Edgar, assignor.)
Nelson, Henry T. (See Johanson, John H., assignor.)
Nenninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Spindle mounting. 1,982,265; Nov. 27.
Nerem, Robert, Evanston, assignor to Standard Oil Company, Chicago, Ill. Combination manhole cover and safety valve. 1,982,118; Nov. 27.
Netzky, William, New York, N. Y. Blouse. Des. 93,942; Nov. 27.
Neumann, Victor, Los Angeles, assignor to J. F. Meyer, Pasadena, Calif. Amusement machine. 1,982,119; Nov. 27.
News Projection Corporation. (See Eitzen, August D., assignor.)
Newton, Harold M., Clayton, Mo., assignor to The Midland Creosoting Company, Toledo, Ohio. Flooring. 1,982,476; Nov. 27.
Nordell, Carl H., Chicago, Ill. System for handling sewage. 1,982,266; Nov. 27.
Norris, Robert J. (See Sperti, G., Norris, Withrow, and Schneider.)
Norsk Hydro-Elektrisk Kvaelstof Aktieselskab. (See Stephansen, N., Eyer, and Meder, assignors.)
Northern Maine Plywood Company. (See Quimby, A., and Antworth, assignors.)
Norton, Albert C., Berkeley, assignor to California Corrugated Culvert Co., Alameda, Calif. Sheet metal flume trough. 1,982,064; Nov. 27.
Norton Company. (See Sanford, Baalis, assignor.)
Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric switch. 1,981,966; Nov. 27.
Nye, Augustus S., et al. (See Rowe, Fred H.)
Nystrom, Martin, Chicago, Ill., assignor to United Research Corporation, Long Island City, N. Y. Phonograph. 1,982,174; Nov. 27.
Ober, Beverly, W. W. Pagon, G. L. Pruett, and W. W. Troxell, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Apparatus for producing phosphatic fertilizers. 1,982,479; Nov. 27.
Obergfell, Paul. (See Grote, W., and Obergfell.)
Oberphos Company, The. (See Ober, B., Pagon, Pruett, and Troxell, assignors.)
Oberphos Company, The. (See Pfaff, George C., assignor.)
O'Brien, David J., and F. F. Kotter, Brooklyn, N. Y. Shade bracket. 1,982,582; Nov. 27.
O'Donnell, John J., Yonkers, N. Y. Switch device for automobile signals. 1,982,807; Nov. 27.
Oestmann, Victor L., Westfield, and R. W. Luce, Mountainside, assignors to American Gasaccumulator Company, Elizabeth, N. J. Making reflectors. 1,982,518; Nov. 27.
Ogle, W. Forrest, et al. (See Keown, John M., assignor.)
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,982,016; Nov. 27.
Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Equalized hydraulic brake system. 1,982,449; Nov. 27.
Oosterhout, Johan C. D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Desulphurizing recovered petroleum phenols. 1,982,120; Nov. 27.
Orozco, Gilbert H., East Cleveland, assignor to The Chandler Chemical Company, Cleveland, Ohio. Treating metal during cold rolling. 1,982,065; Nov. 27.
Oser, Alfred, Vienna, Austria. Apparatus for multiplying records. 1,982,017; Nov. 27.
Otis Elevator Company. (See Lubkin, Samuel, assignor.)
Owen, Allen F. (See Rose, R. P., and Owen.)
Owen, Allen F., Glenbrook, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Coated paper. 1,982,018; Nov. 27.
Owens-Illinois Glass Company. (See Allen, R. G., and McLaughlin, assignors.)
Oxley, William J., Willowdale, and L. M. Frank, New Toronto, Ontario, Canada. Closure for liquid fuel tanks and barrels. 1,982,066; Nov. 27.
Packing Products Corporation. (See Gray, F. D., and Farnham, assignors.)
Pagon, William W. (See Ober, B., Pagon, Pruett, and Troxwell.)
Palmer Bros. Engines, Inc. (See Ulrich, Julius M., assignor.)
Paramount Textile Machinery Company. (See La Montagne, Patrick P., assignor.)
Park, Matthew C. (See Bedford, Jesse, assignor.)
Park, Philip R., Buffalo, N. Y., assignor to Philip R. Park, Inc., San Pedro, Calif. Making marine plant product. 1,982,595; Nov. 27.
Park, Philip R., Inc. (See Park, Philip R., assignor.)
Parker, Arthur L., Cleveland, Ohio. Coupling for rubber covered tubes. 1,982,533; Nov. 27.
Parker, Grace M., Peterboro, N. H. Card game. 1,982,534; Nov. 27.
Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Thermionic rectifier. 1,982,067; Nov. 27.
Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Combined rectifier and pentode. 1,982,068; Nov. 27.
Parker, Leslie O., and C. Woolbert, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch device. 1,981,967; Nov. 27.
Parker, Norman F., San Bernardino, Calif. Loading device for strapping machines. 1,982,230; Nov. 27.
Parrett, Arthur N., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Asphaltic coating composition and materials coated therewith. 1,982,231; Nov. 27.
Parsons, Harry N., Chicago, Ill., assignor to International Harvester Company. Ball bearing. 1,982,450; Nov. 27.
Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric resistance unit. 1,982,121; Nov. 27.
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patrick, Joseph C., Kansas City, Mo. Electrical conductor. 1,981,968; Nov. 27.
Patterson, John L., assignor to Richmond Beverage Machine Corporation, Richmond, Va. Automatic liquid dispenser. 1,982,535; Nov. 27.
Peltier, Joseph E., Bartlesville, Okla., assignor, by direct and mesne assignments, of sixty-three sixty-fourths to J. E. Crawford and H. G. Crawford, Bartlesville, Okla., and J. M. Greenwood, Eva J. Greenwood, L. C. Robbins, and Ola C. Robbins. Compressed air motor. 1,982,019; Nov. 27.
Pepperell Manufacturing Company. (See Scholle, Charles F., assignor.)
Perfection Steel Body Company, The. (See Cohen, Harry, assignor.)
Perkins, Granville A., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Producing olefines. 1,982,536; Nov. 27.
Permold Company, The. (See Fahlman, Everett G., assignor.)
Perry, Ernest J., Birmingham, England. Tuft cutter mechanism for axminster carpet and like looms. 1,982,451; Nov. 27.
Perry, Walter M., assignor to Sperry Products, Inc., Brooklyn, N. Y. Replaceable tube holder. 1,982,319; Nov. 27.
Persoons, Alphonse. (See Persoons, Jules and A.)
Persoons, Jules and A., Thildonck, Belgium. Teat cup for milking machines. 1,982,452; Nov. 27.
Peters, Adolf M., New York, N. Y. Slicing machine. 1,982,175; Nov. 27.
Peterson, Alfred J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control switch. 1,982,321; Nov. 27.
Peterson, Arthur A. (See Boegehold, A. L., and Peterson.)
Peterson, Henry E., Grapeview, Wash. Grape stripper. 1,982,142; Nov. 27.
Petroleum Conversion Corporation. (See Beardsley, Edwin W., assignor.)
Pfaff, George C., assignor to The Oberphos Company, Baltimore, Md. Apparatus for producing phosphatic fertilizer. 1,982,480; Nov. 27.
Pfauser, Edward M. (See Mandl, S., and Pfauser.)

Phillips, Joseph D., Spokane, Wash. Window. 1,982,351; Nov. 27.
Phoenix Glass Company, The. (See Stewart, Frederick W., assignor.)
Pieper, Henri, Brussels, Belgium. Regulating device for dampers for elastic vehicle suspensions. 1,982,398; Nov. 27.
Pierce, Ella L. (See Pierce, Guy C., assignor.)
Pierce, Guy C., ass gnor to E. L. Pierce, Los Angeles, Calif. Method of and material for filtration. 1,981,788; Nov. 27.
Pierce, Lucien, assignor of one-half to G. W. Hooper, Salem, and one-half to Family Laundry Company Malden, Malden, Mass. Control apparatus for washing and cleansing machines. 1,982,320; Nov. 27.
Pioneer Instrument Company. (See Titterington, Morris M., assignor.)
Pittsburgh Tag Company. (See Magidson, Frank, assignor.)
Place, Blon C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing fasteners to upholstered trim panels. 1,982,232; Nov. 27.
Pollock, Samuel A., London, England. Nitrating cellulose. 1,982,122; Nov. 27.
Powell, Samuel I. (See Sheppard, H. N., and Powell.)
Powers Smoking Pipes Corporation. (See Powers, Timothy B., assignor.)
Powers, Timothy B., St. George, assignor to Powers Smoking Pipes Corporation, New York, N. Y. Smoking pipe. 1,982,583; Nov. 27.
Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Stromberg-Carburetor Company, South Bend, Ind. Carburetor. 1,981,969; Nov. 27.
Price, Joseph W., jr. (See Light, R. A., and Price.)
Prosperity Company Inc., The. (See Davis, Ernest, assignor.)
Pruett, George L. (See Ober, B., Pruett, Pagon, and Troxell.)
Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match packet. 1,982,176; Nov. 27.
Pullenlite Company. (See Pullen, Rodney S., assignor.)
Quimby, Allen, Portland, and S. J. Antworth, Houlton, assignors to Northern Maine Plywood Company, Portland, Maine. Plywood container. 1,982,233; Nov. 27.
Quirey, Hal M. (See Ball, J. F., and Quirey.)
Radio Corporation of America. (See Reed, Stanley M., assignor.)
Radio Corporation of America. (See Zimber, R. M., and Alexander, assignors.)
Raible, Franz, Munich, Germany. Automatic gas cut-off. 1,982,481; Nov. 27.
Ramsdell, Benley F., et al. (See Keown, John M., assignor.)
Rand, Harry M., Kansas City, Mo. Portable power driven tool. Des. 93,943; Nov. 27.
Räthel, Werner, Berlin-Neukolln, assignor to Reiss & Klemm, Berlin, Germany. Oscillating motor fan. 1,982,537; Nov. 27.
Raytheon Production Corporation. (See Spencer, John A., assignor.)
Read, Harold L., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,982,020; Nov. 27.
Ready, William A., Brookline, Mass., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Making D-handles. 1,982,177; Nov. 27.
Reed, Stanley M., Summit, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 1,982,060; Nov. 27.
Reedy, Emmett M., assignor to Mueller Co., Decatur, Ill. Shower head. 1,982,538; Nov. 27.
Reese, Lemuel V., and O. W. Johnson, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Paper pulp extractor. 1,981,924; Nov. 27.
Reeve, Elmer W., Chicago, Ill., assignor to American Telephone and Telegraph Company. Telegraph system. 1,982,022; Nov. 27.
Reeves, Beauford H., assignor to Rockbestos Products Corporation, New Haven, Conn. Insulated electrical conductor. 1,982,539; Nov. 27.
Regan, William J., Wilkinsburg, and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,982,234; Nov. 27.
Reich, Otto C., Denver, Colo. Button fastener. 1,982,540; Nov. 27.
Reinoehl, Harry K. (See Scarratt, A. W., and Reinoehl.)
Reiss & Klemm. (See Räthel, Werner, assignor.)
Reitze, John A., Chicago, Ill. Folding ironing table. 1,982,399; Nov. 27.
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Remowen Corporation. (See Sayre, Gordon B., assignor.)
Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid feed device. 1,982,021; Nov. 27.
Republic Steel Corporation. (See Blevins, Herman G., assignor.)
Republic Steel Corporation. (See Rutter, Clyde M., assignor.)
Republic Steel Corporation. (See Wheeler, Glenn E., assignor.)
Rhodes, Harry L., Okmulgee, Okla. Rod spider. 1,982,482; Nov. 27.
Richardson, Harry H., Hamilton, Ontario, Canada, assignor to Union Drawn Steel Company, Massillon, Ohio. Drawing die. 1,982,352; Nov. 27.
Richmond Beverage Machine Corporation. (See Patterson, John L., assignor.)
Rideout, John G. (See van Doren, H. L. and Rideout.)
Riemenschneider, Ernest, and R. H. Thoms, assignors to The Midland Steel Products Company, Cleveland, Ohio. Forming axle housings for motor vehicles. 1,982,400; Nov. 27.
Ries, Irving G., and D. G. Shearer, Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Apparatus for making motion pictures. 1,982,322; Nov. 27.
Rite-Rite Mfg. Co. (See Lang, Herbert H., assignor.)
Rittenhouse, A. E., Co., The. (See Rittenhouse, Arthur E., assignor.)
Rittenhouse, Arthur E., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Insect exterminator. 1,982,123; Nov. 27.
Ritz, Emil, jr., Mount Healthy, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Grinding machine. 1,982,483; Nov. 27.
Ritz, Frederick, Beloit, Wis. Liquid fuel injector. 1,982,023; Nov. 27.
Rivers, Napoleon R., Ashtabula, Ohio. Wrench. 1,982,070; Nov. 27.
Rix, Edward G., assignor to American Perforator Company, Chicago, Ill. Perforating machine. 1,982,453; Nov. 27.
Robbins, L. C., et al. (See Peltier, Joseph E., assignor.)
Robbins, Ola C., et al. (See Peltier, Joseph E., assignor.)
Roberts, Edward H., assignor, by mesne assignments, to Minneapolis Air Conditioner Company, Minneapolis, Minn. Humidifier. 1,982,323; Nov. 27.
Roberts, Edward L., Los Angeles, Calif. Sanitary faucet. 1,982,071; Nov. 27.
Robertson, H. H., Company. (See Black, George E., assignor.)
Robinson, Harold H. and H. A., sr., assignors to Curtiss Aerocar Company, Inc. Opa Locka, Fla. Coupling for tractor trailer combinations. 1,982,072; Nov. 27.
Robinson, Hugh A., sr. (See Robinson, Harold H. and H. A., sr.)
Rockbestos Products Corporation. (See Reeves, Beauford H., assignor.)
Rockhill, William S., Bristol, Pa., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Log washer shaft and arm assembly. 1,982,597; Nov. 27.
Rogers Radio Tubes, Limited. (See Parker, Henry W., assignor.)
Rogers, Thomas H., and V. Voorhees, Hammond, Ind., assignors to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel product. 1,982,207; Nov. 27.
Rogers, Thomas H., and V. Voorhees, Whiting, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel product. 1,982,018; Nov. 27.
Rose, Reed P., Jackson Heights, and A. F. Owen, Saratoga Springs, assignors to General Rubber Company, New York, N. Y. Treatment of fibrous material. 1,982,024; Nov. 27.
Rostone, Incorporated. (See Williams, Harold S., assignor.)
Roth, Emery, and L. Spira, Chicago, Ill. Depilatory soap. 1,982,208; Nov. 27.
Rowe, Fred H., Gloucester, assignor of one-tenth to W. L. Hall and one-tenth to A. S. Sye, Boston, Mass. Automatic window control. 1,982,553; Nov. 27.
Rowley, Frederick L., St. Paul, Minn. Electric automatic brake control. 1,982,554; Nov. 27.
Ruben, Samuel, New Rochelle, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Lamp, filament, and making the same. 1,981,878; Nov. 27.
Rucker, Joseph A., et al. (See Hopkins, Jesse C., assignor.)
Rucker, Moses P., et al. (See Hopkins, Jesse C.)
Rudolff, Barnet, Bayonne, N. J. Level and square. 1,982,178; Nov. 27.
Runge, Arthur C., Detroit, Mich. Ozonizing apparatus for internal combustion engines. 1,982,484; Nov. 27.
Ruppel, Sigwart, Berlin, Germany. Gas blast switch. 1,982,355; Nov. 27.
Russell, Samuel G., and B. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel bushing appliance. 1,981,925; Nov. 27.
Russell, Stephen Y., assignor to A. S. Baker, Okmulgee, Okla. Boring machine. 1,982,025; Nov. 27.
Russell, Walter. (See Hormel, A., and Russell.)
Rutter, Clyde M., Massillon, assignor to Republic Steel Corporation, Youngstown, Ohio. Scrubbing device. 1,982,356; Nov. 27.
Rylsky, Gregory. (See Mouromtseff, I. E., and Rylsky.)
Salmon, Harry, Westminster, London, and E. T. Williams, Golders Green, London, assignors to The Expanded Metal Company, Limited, London, England. Storage battery grid. 1,982,485; Nov. 27.
Sanders, Rudolph M., assignor to Adartcraft, Inc., New York, N. Y. Assembling machine. 1,982,454; Nov. 27.
Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Abrasive wheel and making the same. 1,981,970; Nov. 27.

Sangdahl, Arthur E., et al. (See Keown, John M., assignor.)
Sansbury, Theodore T., Parkersburg, W. Va. Car window screen. 1,982,455; Nov. 27.
Savage, Joseph, Runcorn, F. Hold, Weybridge, and R. Thomas, Stockton-on-Tees, England, assignors to Imperial Chemical Industries, Limited. Insecticide. 1,981,926; Nov. 27.
Sawin, Emilyn J., administratrix. (See Sawin, Lester M., assignor.)
Sawin, Lester M., deceased; E. J. Sawin, administratrix, assignor to The Susu Nut Company, Chicago, Ill. Apparatus for treating nut meats. 1,982,073; Nov. 27.
Sayre, Gordon B., assignor to Remowen Corporation, Syracuse, N. Y. Automatic controller for internal combustion engine starters. 1,981,879; Nov. 27.
Sayre, Gordon B., assignor to Remowen Corporation, Syracuse, N. Y. Automatic controller for internal combustion engine starters. 1,981,880; Nov. 27.
Scarratt, Albert W., Kenilworth, Ill., and H. K. Reinoehl, Ft. Wayne, Ind., assignors to International Harvester Company. Spring suspension for motor trucks. 1,982,456; Nov. 27.
Schaffert, Adolf H., Youngstown, Ohio, and H. E. Van Voorhees, Detroit, Mich., assignors to Truscon Steel Company, Youngstown, Ohio. Sash operating mechanism. 1,982,269; Nov. 27.
Scharschu, Charles A., Brackenridge, Pa., assignor to Allegheny Steel Company. Inorganic insulation for electrical sheets. 1,982,179; Nov. 27.
Schenkel, Moritz. Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Changing frequencies by means of static apparatus. 1,982,324; Nov. 27.
Schill, René J., Paris, France. Picture framing and the like. 1,982,143; Nov. 27.
Schimmelfeng, Jean, Chicago, Ill. Attachable shelf. Des. 93,944; Nov. 27.
Schlegel, Carl F., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,982,074; Nov. 27.
Schlegel Manufacturing Company, The. (See Schlegel, Carl F., assignor.)
Schlenker, Max, La. Salle, assignor to Western Clock Company, Peru, Ill. Clock case. Des. 93,945; Nov. 27.
Schlingman, Paul F., Schenectady, N. Y., assignor to General Electric Company. Resin and making the same. 1,982,486; Nov. 27.
Schluchter, Alfred W., Dearborn, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing metal alloy. 1,981,927; Nov. 27.
Schmidt, Maurice R. (See Brunstrum, L. C., and Schmidt.)
Schmitt, Edwin H., Cincinnati, Ohio. Dial illuminating means for telephones. 1,982,457; Nov. 27.
Schneider, Herman. (See Sperti, G., Norris, Withrow, and Schneider.)
Scholberg, Paul, Liege, Belgium. Sporting gun. 1,982,401; Nov. 27.
Scholle, Charles F., Mount Vernon, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Textile fabric. Des. 93,946; Nov. 27.
Scholle, Charles F., Mount Vernon, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Textile fabric. Des. 93,947; Nov. 27.
Scholnick Shoe Co. (See Atkins, Thomas R., assignor.)
Scott & Williams, Incorporated. (See Belford, Alexander G., assignor.)
Scovill Manufacturing Company. (See Clemmons, Herbert D., assignor.)
Scripture, Edward W., jr., Cleveland Heights, assignor to The Master Builders Company, Cleveland, Ohio. Coloring concrete. 1,982,541; Nov. 27.
Seagram, Joseph E., & Sons, Inc. (See Guyer, William, assignor.)
Seagram, Joseph E., & Sons, Ltd. (See Levine, Calman, assignor.)
Sebastiani, Alfred D., Montreal, Quebec, Canada. Shoe shank. 1,982,357; Nov. 27.
Seigle, William R., Mamaroneck, assignor to Johns-Manville Corporation, New York, N. Y. Treated fibrous material and making the same. 1,982,542; Nov. 27.
Seltzer, Samuel, Philadelphia, Pa. Feeding and arranging mechanism. 1,982,458; Nov. 27.
Shade, John T., Altoona, Pa. Guide for pipe cleaning devices. 1,982,402; Nov. 27.
Shakespeare Company. (See Russell, S. G., and Clickner, assignors.)
Shearer, Douglas G. (See Ries, I. G., and Shearer, assignors.)
Shepherd, Herbert E., Trail, British Columbia, Canada. Brake. 1,982,235; Nov. 27.
Shepherd, John E., assignor to National Cold Steam Company, Charlottesville, Va. Apparatus for steam cleaning and greasing of bearings. 1,982,325; Nov. 27.
Sheppard, Harry N., and S. I. Powell, Seattle, Wash. Ice-cream-branding machine. 1,981,928; Nov. 27.
Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Closure device for metallic container opening. 1,982,144; Nov. 27.
Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Closure device for metallic containers. 1,982,145; Nov. 27.
Shields, Edward, El Paso, Tex., and Hugh Shields, Alamogordo, N. Mex. Electric control means for air brakes. 1,982,543; Nov. 27.
Shields, Hugh. (See Shields, Edward and H.)
Shoe Form Co., Inc. (See DeWitt, William J., assignor.)
Shore, Albert E., New York, N. Y. Apparatus for measuring the hardness of materials. 1,982,026; Nov. 27.
Siciliano, Joseph, et al. (See Comiskey, Joseph W.)
Sieck, William, jr., Hubbard Woods, assignor to William Garrigue & Co., Chicago, Ill. Distillation system. 1,982,598; Nov. 27.
Siemens, Alfred, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Mercury-vapor rectifier. 1,982,326; Nov. 27.
Sieper, Fritz, Wuppertal-Langerfeld, Germany. Casing for circular piston engines. 1,982,027; Nov. 27.
Signode Steel Strapping Company. (See Knowlton, Harry N., assignor.)
Silex Company, The. (See Wolcott, Frank E., assignor.)
Simpkins, Carl R., Inglewood, assignor to J. F. Meyer, Pasadena, Calif. Vending machine. 1,982,236; Nov. 27.
Simplex Wire and Cable Company. (See Evans, Ralph R., assignor.)
Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
Singer, Fritz, Nuremberg, Germany, assignor to Tubus A. G., Zurich, Switzerland. Method and apparatus for elongating metal articles. 1,982,544; Nov. 27.
Sirian Lamp Company. (See Ruben, Samuel, assignor.)
Skärblom, Karl E., Lidingo, Sweden. Making ethylene glycol. 1,982,545; Nov. 27.
Skuttle, John L., Mason City, Iowa. Flush valve mechanism. 1,982,550; Nov. 27.
Sloan, Joseph J. E., Liverpool, England. Internal combustion engine of the Diesel semi-Diesel, compression ignition, or injection type. 1,982,146; Nov. 27.
Smith, Beauford B., Silverton, Oreg. Combination bail and lid opener for containers. 1,982,124; Nov. 27.
Smith, Horace L., jr., Richmond, Va. Building structure. 1,982,551; Nov. 27.
Smith, Howard, Company. (See Williams, T. P., and Baxter, assignors.)
Smith, John B., assignor to Knapp-Monarch Company, Belleville, Ill. Exterminating moths. 1,982,358; Nov. 27.
Smith, Lewis R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., Arc welding apparatus. 1,982,327; Nov. 27.
Smith, Lawrence C., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Making refrigerating apparatus. 1,982,075; Nov. 27.
Smith, L C & Corona Typewriters Inc. See Avery, Henry A., assignor.)
Smith, Seth G., Springfield, and E. E. Morand, Westfield, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 1,982,359; Nov. 27.
Sneed, John, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, trustee for Steeldraulic Brake Corporation, Detroit, Mich. Making a brake shoe. 1,982,403; Nov. 27.
Snell, Louis M., Parma Heights, Ohio. Lettering, drawing, writing and marking pen. 1,982,546; Nov. 27.
Snell, Lyle K., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Brake. 1,982,360; Nov. 27.
Snyder, Eugene L., Canton, Ohio. Heater cabinet. Des. 93,948; Nov. 27.
Société Anonyme de Constructions de Materiel Automobile S. A. C. M. A. (See Mennesson, Marcel, assignor.)
Societe Ateliers de Constructions Electriques de Delle. (See Clerc, André, assignor.)
Sondeno, Elmer O., Lebo, Monn. Hay-retaining finger for stacker teeth. 1,882,147; Nov. 27.
Spahn, Chester J., assignor of one-half to J. H. Cavitt, Folsom, Calif. Lock washer. 1,982,076; Nov. 27.
Spang, Chalfont & Company. (See Burnish, Howard J., assignor.)
Sparrow, Albert W., New York, N. Y. Adjustable cuff grip. 1,882,547; Nov. 27.
Spencer, John A., assignor to Raytheon Production Corporation, Newton, Mass. Socket. 1,982,077; Nov. 27.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatic control. 1,982,078; Nov. 27.
Sperry Products, Inc. (See Perry, Walter M., assignor.)
Sperti, George, Covington, Ky., assignor to General Development Laboratories, Inc., New York, N. Y. Activation of materials. 1,982,028; Nov. 27.
Sperti, George, Covington, Ky., and R. J. Norris, R. B. Withrow, and H. Schneider, Cincinnati, Ohio, assignors to General Development Laboratories, Inc., New York, N. Y. Treating food substances. 1,982,029; Nov. 27
Spira, Leo. (See Roth, E., and Spria.)
Spohr, Carl W., assignor to Mechanical Refrigerated Car Company, Chicago, Ill. Temperature controlled vehicle. 1,982,079; Nov. 27.
Sponable, Earl I., assignor, by mesne assignments to Movietonews, Inc., New York, N. Y. Method and apparatus for producing moving pictures. 1,982,599; Nov. 27.
Sponable, Earl I., assignor, by mesne assignments to Movietonews, Inc., New York, N. Y. Apparatus for simultaneously producing moving pictures and reproducing sound pictures. 1,982,600; Nov. 27.
Srygley, Harry W., Abilene, Tex. Attachment for safe knobs. 1,982,080; Nov. 27.

Stacey, Alfred E., jr., Essex Fells, and H. R. Arf, Elizabeth, assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Air distributing system and apparatus for railroad cars. 1,982,125; Nov. 27.

Stadtler, Mathias, Flushing, N. Y. Spring mounting. 1,982,030; Nov. 27.

Stage, Hubert J., Chardon, Ohio. Artificial bait. 1,982,081; Nov. 27.

Standard Oil Company. (See Brunstrum, Lawrence C., assignor.)

Standard Oil Company. (See Brunstrum, L. C., and Hilliker, assignors.)

Standard Oil Company. (See Brunstrum, L. C., and Schmidt, assignors.)

Standard Oil Company. (See Monro, Donald A., assignor.)

Standard Oil Company. (See Nerem, Robert, assignor.)

Stark, Willet E., East Cleveland, assignor, by mesne assignments, to The Bryant Heater Company, Cleveland, Ohio. Control for fuel burners. 1,982,031; Nov. 27.

Starrett, Henry F., Chicago, Ill. Panel distributing board. 1,981,929; Nov. 27.

Stave, Cecil H., Kensington, London, assignor to Donlarm Limited, London, England. Thermal switch. 1,982,548; Nov. 27.

Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Drying apparatus. 1,982,082; Nov. 27.

Steel and Tubes, Inc. (See Halliden, Karl W., assignor.)

Steeldraulic Brake Corporation. (See Sneed, John J., assignor.)

Steele, Edwin G. (See Sutton, H. M., and W. L. and E. G. Steele.)

Steele, Walter L. (See Sutton, H. M., and W. L. and E. G. Steele.)

Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,949; Nov. 27.

Steinbacher, Le Roy S., and R. W. Taylor, Battle Creek, Mich. Shield for neon tubes. 1,982,552; Nov. 27.

Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Mirror mounting. 1,981,971; Nov. 27.

Steiner Sales Company. (See Steiner, Frank G., assignor.)

Stephansen, Nicolai, Rjukan, Norway, Carl Eyer, Ludwigshafen-on-the-Rhine, and G. Meder, Munster-on-Taunus Germany, assignors to Norsk Hydro-Elektrisk Kvaelstof Aktieselskab, Oslo, Norway. Manufacture of nitrate of lime in globular form. 1,982,540; Nov. 27.

Stevens, John W., Denver, Colo. Headlight indicator. 1,982,459; Nov. 27.

Stewart, Frederick W., Beaver, assignor to The Phoenix Glass Company, Monoca, Pa. Jar. Des. 93,950; Nov. 27.

Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)

Stewart Warner Corporation. (See Zerk, Oscar U., assignor.)

Stickney, Fernald S., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Liquid testing device. 1,982,328; Nov. 27.

Stockelbach, Frits E., Montclair, N. J., assignor to H. H. Fries, New York, N. Y. Phenol derivative and preparing same. 1,982,180; Nov. 27.

Stoehr, Washington A., Reserve Township, Allegheny County, Pa. Electric fuse. 1,982,032; Nov. 27.

Stogoff, Peter E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power control for inductive load. 1,982,329; Nov. 27.

Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,982,181; Nov. 27.

Stoll, Arthur, and A. Binkert, assignors to firm Chemical Works formerly Sandoz, Basel, Switzerland. Azo compounds and their production. 1,982,553; Nov. 27.

Stoner, Willis G., Detroit, Mich., assignor to Midland Steel Products Company, Cleveland, Ohio. Forming articles. 1,982,404; Nov. 27.

Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,982,033; Nov. 27.

Stover, Francis E., assignor of one-half to H. Linkens, Grand Rapids, Mich. Dustpan. 1,982,182; Nov. 27.

Straight Stop Corporation. (See Anderson, A. C., and Strandberg, assignors.)

Strand, Oscar V., Evanston, Ill. Fish scaling device. 1,982,083; Nov. 27.

Strand, Oscar V., Evanston, Ill. Fish scaling device. 1,982,084; Nov. 27.

Strandberg, Wallace R. (See Anderson, A. C., and Strandberg.)

Studebaker Corporation, The. (See Hughes, James R., assignor.)

Sturtevant, B. F., Company. (See Foss, Benjamin S., assignor.)

Submarine Signal Company. (See Turner, Edwin E., jr., assignor.)

Sude, William. (See Kousin, H., and Sude.)

Sugden, Walter J. (See Drysdale, W. D., assignor.)

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Light flashing apparatus. 1,982,361; Nov. 27.

Sullivan, John D. (See Williams, C. E., and Sullivan.)

Sulprizio, Deuta, San Leandro, Calif. Piston. 1,982,330; Nov. 27.

Sulzer Freres Societe Anonyme. (See Kägi, Emil, assignor.)

Sumner, Henry C., Wyberton, and F. J. Taylor and F. Langley, Kirton, England. Packing apparatus. 1,981,881; Nov. 27.

Susu Nut Company, The. (See Sawin, Lester M., assignor.)

Sutton, Henry M., and W. L. and E. G. Steele, Dallas, Tex. Process and apparatus for the separation of particles composing a mass. 1,982,601; Nov. 27.

Swift, William, Omaha, Nebr. Frenching machine. 1,982,487; Nov. 27.

Symmonds, Charles J., Chevy Chase, Md. Bench dog. 1,981,882; Nov. 27.

Tappan, Charles O., New York, N. Y. Mass production of paper fibers from banana stalks. 1,981,883; Nov. 27.

Tarbox, George R., Troy, N. Y. Cable connecter. 1,982,183; Nov. 27.

Taube, Carl, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 1,982,332; Nov. 27.

Taylor, Albert H., L. C. Young, and L. A. Hyland, Washington, D. C. System for detecting objects by radio. 1,981,884; Nov. 27.

Taylor, Frederick J. (See Sumner, H. C., Taylor, and Langley.)

Taylor Instrument Companies. (See Teague, Walter D., assignor.)

Taylor, Paul B., Chicopee Falls, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Field strength meter. 1,982,331; Nov. 27.

Taylor, Raymond W. (See Steinbacher, L. R. S., and Taylor.)

Taylor-Wharton Iron & Steel Company. (See Rockhill, William S., assignor.)

Teague, Walter D., Forest Hills, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. Des. 93,951; Nov. 27.

Teller, Jacob, Chicago, Ill., assignor, by mesne assignments, to Teller Stove Designing Corporation. Stove structure. 1,981,972; Nov. 27.

Teller Stove Designing Corporation. (See Teller, Jacob, assignor.)

Terkelsen, Andrew. (See Derry, Jasper, assignor.)

Tetlow, Lewis J., Holyoke, Mass. Renewable spark plug. 1,982,034; Nov. 27.

Tetlow, Lewis J., Holyoke, Mass. Airplane brake. 1,982,035; Nov. 27.

Texas Company, The. (See Oosterhout, Johan C. D., assignor.)

Texas Company, The. (See Titus, Leon D., assignor.)

Textile Patent & Process Company. (See Cotchett, Louis M., assignor.)

Thaheld, Ferl A., Dallas, Tex., assignor to Gulberson Diesel Engine Company, Dover, Del. Valve for aeroplane engines. 1,982,126; Nov. 27.

Theobald, Thomas O., Detroit, Mich. Automobile. Des. 93,952; Nov. 27.

Thomander, Veron S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical instrument. 1,982,333; Nov. 27.

Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)

Thomas, Richard. (See Savage, J., Holt, and Thomas.)

Thoms, Rudolph H. (See Riemenschneider, E., and Thomas.)

Thomson, Judson L., Manufacturing Co. (See Bartel, Paul W., assignor.)

Timken-Detroit Axle Company, The. (See Brownyer, Nelson R., assignor.)

Tinius Olsen Testing Machine Company. (See Lewis, Robert B., assignor.)

Tinnerman, Albert H. (See Tinnerman, George A., assignor.)

Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 1,981,973; Nov. 27.

Tipton, Ray E. (See Cline, T. E., and Tipton.)

Titterington, Morris M., New York, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Compensating device for magnetic compasses. 1,982,405; Nov. 27.

Titus, Leon D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Capping apparatus. 1,982,085; Nov. 27.

Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Supporting means for car doors. 1,982,270; Nov. 27.

Tomkins, Josiah W., Apethorpe, Peterborough, England. Pig feeder. 1,982,237; Nov. 27.

Tönnies, Hans, Altona/Grossflottbek, Germany. Exposure meter. 1,982,406; Nov. 27.

Toole, Harry S., and J. W. Mitchell, Kenmore, assignors to du Pont Rayon Company, New York, N. Y. Thread-treating device. 1,981,885; Nov. 27.

Tower, Edwin B. H., jr. (See Vogel, Frederick A., assignor.)

Trailer Company of America. (See Jones, R. B., and Black, assignors.)

Trans-Lux Daylight Picture Screen Corporation. (See Curtis, Kenneth L., assignor.)

Trembley, Louis E., Pittsfield, Mass., assignor to General Electric Company. Producing flattened metal tubes. 1,982,362; Nov. 27.

Trico Products Corporation. (See Hueber, H., and Horton, assignors.)

Trott, Rolland S., Denver, Colo. Engine mounting. 1,981,886; Nov. 27.

Trott, Rolland S., Denver, Colo. Engine mounting. 1,982,593; Nov. 27.

Trott, Rolland S., Denver, Colo. Engine mounting for automotive vehicles. 1,982,594; Nov. 27.

Troxel, Frank A., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Manufacture of tubes by the push bench process. 1,981,930; Nov. 27.

Troxwell, Willard W. (See Ober, B., Pagon, Pruett, and Troxwell.)

Trueman, Robert A., Everett, Mass. Non splash spraying guard. 1,982,086; Nov. 27.

Trumbull, George R., assignor to The Bulls-Eye Electric Manufacturing Company, Torrington, Conn. Fuse plug. 1,982,584; Nov. 27.

Truscon Steel Company. (See Kahn, Julius, assignor.)

Truscon Steel Company. (See Kahn, J., and White, assignors.)

Truscon Steel Company. (See Schaffert, A. H., and Van Voorhees, assignors.)

Tubus, A. G. (See Singer, Fritz, assignor.)

Turner, Edwin E., jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Measuring distance. 1,982,271; Nov. 27.

Turner Tanning Machinery Company, The. (See Whitney, R. F., and Clement, assignors.)

Tweedale, Ralph L., Washington, D. C. Vehicle jacking device. 1,981,887; Nov. 27.

Tyer Rubber Company. (See Bergstrom, Kenneth H., assignor.)

Uherek, Charles A. (See Borgerd, W. F., and Uherek.)

Ulrich, Julius M., Riverside, assignor to Palmer Bros. Engines, Inc., Cos Cob, Conn. Internal combustion engine. 1,982,554; Nov. 27.

Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Paper fastener. 1,982,272; Nov. 27.

Union Drawn Steel Company. (See Richardson, Harry H., assignor.)

Union Oil Company of California. (See Dunham, Robert A., assignor.)

Union Switch & Signal Company, The. (See Stoker, Paul P., assignor.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United Research Corporation. (See Gillette, Clyde F., assignor.)

United Research Corporation. (See McClay, Charles E., assignor.)

United Research Corporation. (See Nystrom, Martin, assignor.)

United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)

United Shoe Machinery Corporation. (See Baxter, William L., assignor.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See Brostorm, Charles G., assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)

United Shoe Machinery Corporation. (See Lawson, Oscar L., assignor.)

United States as represented by the Secretary of Commerce, Government of the. (See Dunmore, Francis W.)

U. S. Industrial Alcohol Company. (See Metzger, F. J., and Backus, assignors.)

U. S. Manufacturing Corporation. (See Bennett, John L., assignor.)

United States Metallic Packing Company, The. (See Light, R. A., and Price, assignors.)

United States Pipe and Foundry Company. (See Clark, Stuart B., assignor.)

United States Rubber Company. (See Gammeter, John R., assignor.)

Universal Oil Products Company. (See Aither, Joseph G., assignor.)

Universal Oil Products Company. (See Egloff, Gustav, assignor.)

Universal Products Co. (See Miquelon, Pantaleon E., assignor.)

Usines De Melle. (See Guinot, Henri M., assignor.)

Van Der Horst, Henry, Chicago, Ill. Plumbing fixture. 1,982,555; Nov. 27.

Van Doren, Harold L., and J. G. Rideout, Toledo, Ohio. Scale. Des. 93,953; Nov. 27.

Van Voorhees, Harold E. (See Schaffert, A. H., and Van Voorhees.)

Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for measuring bulk materials. 1,982,127; Nov. 27.

Vernimb, August, Mount Vernon, N. Y. Automatic stripping machine for folding box work. 1,981,974; Nov. 27.

Vetrano, Leon J., Houston, Tex. Injector. 1,982,128; Nov. 27.

Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining drill. 1,982,585; Nov. 27.

Vogel, Frank H., and R. A. Vogel, assignors to The Columbus Vending Company, Columbus, Ohio. Coin controlled vending machine. 1,981,931; Nov. 27.

Vogel, Frank H. and R. A., assignors to The Columbus Vending Company, Columbus, Ohio. Coin-controlled vending machine. 1,982,273; Nov. 27.

Vogel, Frederick A., deceased, Milton Ernest, England. J. M. Vogel, executrix of the estate, assignor, by mesne assignments, to E. B. H. Tower, jr., Milwaukee, Wis. Chrome tanning process. 1,982,586; Nov. 27.

Vogel, Johannes A., and G. C. Warner, assignors to The Deluxe Products Corporation, La Porte, Ind. Honing device. 1,982,238; Nov. 27.

Vogel, Ralph A. (See Vogel, F. H. and R. A.)

Vogel, Ralph A., assignor to The Columbus Vending Company, Columbus, Ohio. Coin controlled vending machine. 1,982,274; Nov. 27.

Von Nessen, Walter, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Ash receiver. Des. 93,954; Nov. 27.

Von Szeszich, Ludwig, Constance, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Catalytic treatment of carbonaceous bodies. 1,982,556; Nov. 27.

Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees, assignors.)

Wagner, Frederick P. (See Brauer, A. J., and Wagner.)

Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)

Waltz, Anton F., Flushing, assignor to E. N. Dollin, Malba, N. Y. Die-casting apparatus. 1,981,888; Nov. 27.

Wantz, Julius B., River Forest, Ill. Golf club. 1,982,087; Nov. 27.

Ward Leonard Electric Company. (See Logan, Frank G., assignor.)

Warner, George C. (See Vogel, J. A., and Warner.)

Warren, William A. (See Myers, Hansford J., assignor.)

Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 93,955; Nov. 27.

Wasberg, Axel, assignor to Camel Company, Chicago, Ill. Track bracket and stop. 1,982,275; Nov. 27.

Wasmer, Charles L., et al. (See Hogue, Henry J.)

Wasmer, John C., et al. (See Hogue, Henry J., assignor.)

Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)

Watson, Edgar, Towson, assignor, by mesne assignments, to The Nelson Corporation, Baltimore, Md. Container. 1,982,557; Nov. 27.

Weber, John A., Detroit, Mich. Hold-down plug for punch presses and the like. 1,982,488; Nov. 27.

Weidauer, Curtis, New York, assignor to Samuel Briskman, Brooklyn, N. Y. Lapping machine. 1,981,935; Nov. 27.

Weimar, Edward, Hoboken, N. J., assignor of one-half to G. Naughton, Bronxville, N. Y. Coin slot purse. 1,981,975; Nov. 27.

Weinlich, Hermann A., Berlin-Charlottenburg, and U. Kölm, Berlin-Lankwitz, Germany, assignors, by mesne assignments, to International Business Machine Corporation, New York, N. Y. Substracting device. 1,981,977; Nov. 27.

Weinmann, Arthur, Preakness, and E. T. Boonstra, Paterson, N. J. Milk bottle hood. 1,982,334; Nov. 27.

Weiss, Leonhard. (See Dierichs, A., and Weiss.)

Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Punching machine. 1,981,932; Nov. 27.

Wells, Sidney D., Appleton, Wis., and W. B. Cramer, Denver, Colo., assignors to L. J. Alsted, Appleton, Wis. Purification of delnking wastes and other industrial effluents. 1,982,129; Nov. 27.

Wem, Abraham L., Topeka, Kans. Gas burner. 1,981,976; Nov. 27.

Werner, Calvin J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Thermostatic switch. 1,981,933; Nov. 27.

Werner, Calvin J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Thermostatic switch. 1,981,934; Nov. 27.

Werner, Gilbert H., Portage Township, Porter County, Ind. Tie plate. 1,982,239; Nov. 27.

Werner, Oswald, Muschwitz, Germany. Weed-cutter in connection with potato-diggers. 1,982,240; Nov. 27.

West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)

West, Merle J., San Francisco, Calif., assignor to R. M. Lackey, Cohoes, N. Y. Bottle carrier. 1,982,276; Nov. 27.

West Steel Casting Company, The. (See Jobski, Otto H., assignor.)

Western Clock Company. (See Schlenker, Max, assignor.)

Westinghouse Electric & Manufacturing Company. (See Bostwick, Myron A., assignor.)

Westinghouse Electric and Manufacturing Company. (See Conrad, F., and Aalborg, assignors.)

Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ehrenfeld, Ralph, assignor.)

Westinghouse Electric & Manufacturing Company. (See Forbes, Henry C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hitchcock, Richard C., assignor.)

Westinghouse Electric and Manufacturing Company. (See Mouromtseff, I. E., and Rylsky, assignors.)
Westinghouse Electric & Manufacturing Company. (See Peterson, Alfred J. A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schenkel, Moritz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Siemens, Alfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Lewis R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stickney, Fernald S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stogoff, Peter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taylor, Paul B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomander, Veron S., assignor.)
Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
Wheeler, Glenn E., Buffalo, N. Y., assignor to Republic Steel Corporation, Youngstown, Ohio. Adjustable spindle coupling. 1,982,363; Nov. 27.
Wheeler, Thomas S., Northwich, assignor to Imperial Chemical Industries Limited, London, England. Producing hydrogen cyanide. 1,982,407; Nov. 27.
Whitall Tatum Company. (See Steelman, James S., assignor.)
White, Halbert E., Tampa, Fla. Building construction. 1,982,088; Nov. 27.
White, Harold E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermal relay. 1,982,335; Nov. 27.
White, Herbert E. (See Kahn, J., and White.)
White, Ward E. (See Elliott, P. H., and White.)
Whitman, Stewart C., Jackson Heights, N. Y. Automatic high frequency carrier control. 1,982,558; Nov. 27.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,982,089; Nov. 27.
Whitney, Robert F., and F. D. Clement, Winchester, Mass., assignors to The Turner Tanning Machinery Company, Portland, Maine. Work clamping means. 1,981,936; Nov. 27.
Wiesler, Karl, Constance, assignor, by mesne assignments, to the firm of Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Manufacture of acetic acid from acetaldehyde. 1,982,559; Nov. 27.
Wilcox-Rich Corporation. (See Daisley, Robert H., assignor.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 1,982,460; Nov. 27.
Wilcox, Urquhart, Buffalo, N. Y. Sight for bows. 1,982,489; Nov. 27.
Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,982,036; Nov. 27.
Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Gear. 1,982,037; Nov. 27.
Wilhjelm, Christian, assignor, by mesne assignments, to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Temperature control apparatus. Re19,383; Nov. 27.
Wilkins, Richard A., Beverly assignor to Industrial Development Corporation, Salem, Mass. Electrolytic foil. 1,982,587; Nov. 27.
Wilks, David M., Moncton, New Brunswick, Canada. Journal lubricator for driving boxes of a locomotive. 1,982,364; Nov. 27.
Williams, Clyde E., and J. D. Sullivan, assignors to Battelle Memorial Institute, Columbus, Ohio. Cellular clay insulation for metallurgical apparatus. 1,982,490; Nov. 27.
Williams, Ernest T. (See Salmon, H., and Williams.)
Williams, Harold S., Oak Park, Ill., assignor to Rostone, Incorporated, La Fayette, Ind. Attaching tile or blocks to walls. 1,982,500; Nov. 27.
Williams, James B., Minden, La. Automatic control for gas burners. 1,982,561; Nov. 27.
Williams, James B., Minden, La. Remote control and safety appliance for gas burners. 1,982,562; Nov. 27.
Williams, Todd P., and J. A. Baxter, Mont Belvieu, assignors to Howard Smith Company, Houston, Tex. Measuring apparatus. 1,982,184; Nov. 27.
Williams, Zabdiel, Fruitvale, Tenn. Combined scraper and cultivator. 1,982,038; Nov. 27.
Willis, Luther P. (See Colglazier, E. G. Ball, and Willis.)
Wilson, Charles H., Pelham, N. Y., and C. J. Brown, assignors to The Foxboro Company, Foxboro, Mass. Method and apparatus for utilizing light-controlled means for controlling recorders. 1,982,185; Nov. 27.
Wilson, George S., Edinburgh, Scotland. Table-fork or similar article. Des. 93,956; Nov. 27.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wimmer, Anton, Dortmund, Germany. Plating iron with aluminum and product thereof. 1,982,563; Nov. 27.
Winning, Carl, Elizabeth, N. J., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel and preparing same. 1,982,277; Nov. 27.
Winterhalter, Martin, Barmen-Wichlinghausen, Germany. Method and apparatus for delivering closures from a magazine. 1,982,090; Nov. 27.
Winther, Anthony, Kenosha, Wis. Electric governor. 1,982,461; Nov. 27.
Wiseman, Adolph D., San Francisco, Calif. Dental tool. 1,982,336; Nov. 27.
Wiswell, Ozro N., Los Angeles, Calif., assignor, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Head for puncturing closure disks. Re19,387; Nov. 27.
Withrow, Robert B. (See Sperti, G., Norris, Withrow, and Schneider.)
Woermann, Jacob, Glendale, Long Island, N. Y. Vaporizer for gas engines. 1,981,891; Nov. 27.
Wohl Shoe Company. (See Lipscomb, Vergil C., assignor.)
Wolcott, Frank E., West Hartford, Conn. assignor to The Silex Company. Coffee maker. Des. 93,957; Nov. 27.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Beverage dispensing bowl. Des. 93,958; Nov. 27.
Wolff, Oscar, Chicago, Ill. Molding rectangular boned meat. 1,981,889; Nov. 27.
Wolff, Otto E., New York, N. Y. Brake for airplane landing gear. 1,982,617; Nov. 27.
Wollenberg, Harry L., San Francisco, Calif., assignor to Longview Fibre Company, Longview, Wash. Chemical treatment process for pulp manufacture. 1,982,130; Nov. 27.
Wolverine Supply and Manufacturing Company. (See Barnum, Howard N., assignor.)
Woolbert, Charles. (See Parker, L. O., and Woolbert.)
Worden, William, Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,981,978; Nov. 27.
Working, Earl B., Tucson, Ariz., assignor to American Lecithin Corporation, Atlanta, Ga. Frying fat and method. 1,982,186; Nov. 27.
Workman, Arnold R., Malverne, assignor to Doherty Research Company, New York, N. Y. Conversion of petroleum oils. 1,982,091; Nov. 27.
Worthy Manufacturing Company. (See Helle, Harriet, assignor.)
Wotachek, Frank W., assignor of two-thirds to Lakeside Garage and Implement Company, Kewaunee, Wis. Tester for oil lines. 1,982,408; Nov. 27.
Wright, Arthur, Forest Hills, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Apparatus for copying goffered films. 1,982,187; Nov. 27.
Wright, Walter H. (See Aydelotte, C. J., Caverly, and Wright.)
Wright, William E., assignor to The Food Processing Company, Philadelphia, Pa. Can. 1,982,602; Nov. 27.
Wünsch, Guido, Berlin-Steglitz, assignor to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany. Apparatus for regulating the operation of conveyers. 1,982,564; Nov. 27.
Wurster, Amsy L., Philadelphia, Pa. Cravat holder. 1,982,188; Nov. 27.
Wurster, Carl. (See Brode, J., and Wurster.)
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,981,979; Nov. 27.
Youngberg, Joseph W., Harptree, Saskatchewan, Canada. Windwheel governor. 1,982,039; Nov. 27.
Young, Judson O., Springfield, Mass. Support for guard rails. 1,982,092; Nov. 27.
Young, Leo C. (See Taylor, A. H., Young, and Hyland.)
Youngstown Sheet & Tube Company, The. (See Adams, James L., jr., assignor.)
Zapf, Georg, Cologne-Mulheim, assignor to Felten and Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Electric cable. 1,981,890; Nov. 27.
Zerk, Oscar U., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Centralized lubricating system. 1,982,093; Nov. 27.
Zern, J. A., Manufacturing Company. (See Luff, Willard J., assignor.)
Zimber, Raymond M., Bloomfield, and H. Alexander, Jersey City, N. J., assignors, by mesne assignments, to Radio Corporation of America. Branding machine. 1,981,892; Nov. 27.
Zimbron, Angel, jr., Mexico, D. F., Mexico. Medicament for external use and producing the same. 1,982,148; Nov. 27.
Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Buffer. 1,981,980; Nov. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF NOVEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrasive wheel and making the same. B. Sanford. 1,981,970; Nov. 27.
Acceleration control means. W. G. Cook. 1,982,338; Nov. 27.
Acid from acetaldehyde, Manufacture of acetic. K. Wiesler. 1,982,559; Nov. 27.
Acid from alcohol, Manufacture of acetic. H. M. Guinot. 1,982,160; Nov. 27.
Acids, Manufacturing monocarboxylic. J. Brode and A. Johannsen. 1,982,196; Nov. 27.
Acids, Preparation of monocarboxylic. J. Brode. 1,982,195; Nov. 27.
Acids, Producing monocarboxylic. J. Brode and A. Johannsen. 1,982,197; Nov. 27.
Acoustical device. R. H. Marriott. 1,981,962; Nov. 27.
Adapter ring. O. H. Jobski. 1,982,057; Nov. 27.
Adjustable spindle coupling. G. E. Wheeler. 1,982,363; Nov. 27.
Advertising device. W. W. Miller. 1,981,923; Nov. 27.
Agricultural implement. V. and S. Gandrup. 1,982,157; Nov. 27.
Air conditioning system. B. S. Foss. 1,981,952; Nov. 27.
Air conditioning system. C. C. Hunicke. 1,982,305; Nov. 27.
Air distributing system and apparatus for railroad cars. A. E. Stacey, jr., and H. R. Arf. 1,982,125; Nov. 27.
Air in enclosed spaces, Cleaning. W. R. Franks. 1,982,470; Nov. 27.
Air lines, Attachment for. F. I. Jaden and A. B. Arnold. 1,982,519; Nov. 27.
Airplane brake. L. J. Tetlow. 1,982,035; Nov. 27.
Alphabet, Monogram. O. Dammé. Des. 93,913; Nov. 27.
Aluminum lake of sulphonated compounds of the anthraquinone series. F. Baumann. 1,982,149; Nov. 27.
Amusement device. F. L. Markey. 1,982,391; Nov. 27.
Amusement machine. V. Neumann. 1,982,119; Nov. 27.
Anhydride, Preparing acetic. A. Dierichs and L. Weiss. 1,982,153–4; Nov. 27.
Animal trap. P. L. Miller. 1,982,393; Nov. 27.
Arch support. E. Frei. 1,981,998; Nov. 27.
Arch support for footwear, Adjustable. J. Lelyveld. 1,981,920; Nov. 27.
Arteriomanometer. G. B. Emerson. 1,982,505; Nov. 27.
Article, Apparatus for severing a moving. K. W. Halliden. 1,982,383; Nov. 27.
Article of manufacture, Nitrided. J. V. Emmons. 1,982,421–2; Nov. 27.
Articles, Composite porous and micro-porous. E. A. Hauser. 1,982,385; Nov. 27.
Articles, Forming. W. G. Stoner. 1,982,404; Nov. 27.
Articles, Method and apparatus for forming and welding. J. L. Adams, jr. 1,981,894; Nov. 27.
Ash receiver. W. van Nessen. Des. 93,954; Nov. 27.
Asphaltic coating composition and materials coated therewith. A. N. Parrett. 1,982,231; Nov. 27.
Assembling machine. R. M. Sanders. 1,982,454; Nov. 27.
Automobile. T. O. Theobald. Des. 93,952; Nov. 27.
Automobile heater. M. J. Marty and R. H. Hause. Des. 93,939; Nov. 27.
Automobile signal light. A. Lawrence. 1,982,250; Nov. 27.
Axle housings for motor vehicles, Forming. E. Riemenschneider and R. H. Thoms. 1,982,400; Nov. 27.
Azo compounds and their production. A. Stoll and A. Binkert. 1,982,553; Nov. 27.
Azodyestuffs. C. Taube. 1,982,332; Nov. 27.
Bag: *See*—
  Paper bag.
Bait, Artificial. H. J. Stage. 1,982,081; Nov. 27.
Ball bearing. H. N. Parsons. 1,982,450; Nov. 27.
Ball, Practice golf. W. Landreth. 1,981,959; Nov. 27.
Balls, Making golf and other playing. P. A. Martin. 1,982,218; Nov. 27.
Banker's protective appliance. J. P. Foley. 1,982,247; Nov. 27.
Base for devices. K. F. Juengling. 1,982,254; Nov. 27.
Bath apparatus. J. S. Martin. 1,982,258–61; Nov. 27.
Battery grid, Storage. H. Salmon and E. T. Williams. 1,982,485; Nov. 27.
Beam hanger. J. R. Mahan. 1,982,615; Nov. 27.
Bearing: *See*—
  Ball bearing.
Bearing metal alloy. A. W. Schluchter. 1,981,927; Nov. 27.
Bedstead. L. H. Hounsfield. 1,982,165; Nov. 27.
Belt tightener. C. H. Hapgood. 1,982,299; Nov. 27.
Belts, Making tubular. W. Daniel. 1,982,467; Nov. 27.
Bench dog. C. J. Symmonds. 1,981,882; Nov. 27.
Bending machine. G. A. Hooper. 1,982,164; Nov. 27.
Blouse. W. Netzky. Des. 93,942; Nov. 27.
Blower, Pipe and tube. G. T. Church and T. B. Boyd. 1,982,590; Nov. 27.
Board: *See*—
  Folding board. Panel distributing board.
Boat. H. G. Dugan. 1,981,908; Nov. 27.
Boat, Inflatable flexible. F. G. Manson. 1,981,871; Nov. 27.
Body for motor vehicles. W. H. Bishop. 1,981,897; Nov. 27.
Boiler: *See*—
  Water tube boiler.
Boiler. G. L. Banta. 1,981,895; Nov. 27.
Belt and clamp. L. R. Hand and L. A. Eyster. Re19,386; Nov. 27.
Book, Adjustable ring. H. T. Adams. 1,982,409; Nov. 27.
Boot. P. E. Miquelon. 1,982,445; Nov. 27.
Bore cutting apparatus. J. Glasson. 1,982,425; Nov. 27.
Boring machine. S. Y. Russell. 1,982,025; Nov. 27.
Bottle. R. Denels. Des. 93,914; Nov. 27.
Bottle. W. Guyer. Des. 93,921; Nov. 27.
Bottle. C. Levina. Des. 93,931–2; Nov. 27.
Bottle. J. Mandes. Des. 93,938; Nov. 27.
Bottle. J. S. Steelman. Des. 93,949; Nov. 27.
Bottle and tray with glasses, Combination. H. Erickson. Des. 93,916; Nov. 27.
Bottle carrier. M. J. West. 1,982,276; Nov. 27.
Bottle closure and dropper. S. H. Lebowitz. 1,982,440; Nov. 27.
Bottle hood, Milk. A. Weinmann and E. T. Boonstra. 1,982,334; Nov. 27.
Bowl, Beverage dispensing. F. E. Wolcott. Des. 93,958; Nov. 27.
Box or crate. W. O. Brown. 1,982,367; Nov. 27.
Bracket and hanger. E. F. Hunt. 1,982,214; Nov. 27.
Bracket and stop, Track. A. Wasberg. 1,982,275; Nov. 27.
Braider bobbin carrier. B. N. Bavis. 1,981,896; Nov. 27.
Brake: *See*—
  Airplane brake. Hand brake.
Brake. W. J. Andres. 1,981,939; Nov. 27.
Brake. R. F. Kohr. 1,981,957; Nov. 27.
Brake. J. P. Mahoney. 1,981,961; Nov. 27.
Brake. E. G. McDonald. 1,981,963; Nov. 27.
Brake. H. E. Shepherd. 1,982,235; Nov. 27.
Brake. L. K. Snell. 1,982,360; Nov. 27.
Brake control, Electric automatic. F. I. Rowley. 1,982,354; Nov. 27.
Brake for airplane landing gear. O. E. Wolff. 1,982,617; Nov. 27.
Brake shoe, Making a. J. Sneed. 1,982,403; Nov. 27.
Brake system, Equalized hydraulic. W. F. Oliver. 1,982,449; Nov. 27.
Brake testing apparatus. A. C. Anderson and W. R. Strandberg. 1,982,041; Nov. 27.
Branding machine. R. M. Zimber and H. Alexander. 1,981,892; Nov. 27.
Brush and brush holder for lure carriers. S. Moche. 1,982,063; Nov. 27.
Brush, Massaging and shaving. M. H. Aten. 1,981,851; Nov. 27.
Bubble cap. D. A. Monro. 1,982,226; Nov. 27.
Buffer. G. H. Zouck. 1,981,980; Nov. 27.
Building construction. C. S. Kane. 1,982,343; Nov. 27.
Building construction. H. E. White. 1,982,088; Nov. 27.
Building structure. H. L. Smith, jr. 1,982,551; Nov. 27.
Burner: *See*—
  Gas burner. Oil burner.
Button fastener. O. C. Reich. 1,982,540; Nov. 27.
Button making machine. E. Clemens. Re19,379; Nov. 27.
Cabinet, Heater. E. L. Snyder. Des. 93,948; Nov. 27.
Cabinet, Sink. A. M. Murie. 1,982,117; Nov. 27.
Cabinet, Stencil filing. H. P. Elliott. 1,982,504; Nov. 27.
Cable connecter. G. R. Tarbox. 1,982,183; Nov. 27.
Cable, Electric. G. Zapf. 1,981,890; Nov. 27.
Cage or separator for bearings. S. R. Large. 1,982,347; Nov. 27.
Can. W. E. Wright. 1,982,602; Nov. 27.
Capping apparatus. L. D. Titus. 1,982,085; Nov. 27.
Capsule for stopping bottles and the like. R. Blanchard. 1,982,567; Nov. 27.
Car or like vehicle, Motor. D. G. Mackenzie. 1,982,316; Nov. 27.
Car wheel. N. R. Brownyer. 1,982,043; Nov. 27.
Carbon cutting device. B. King. 1,981,866; Nov. 27.
Carbon dioxide gas, Purifying. F. J. Metzger and A. A. Backus. 1,982,223; Nov. 27.
Carbonaceous bodies, Catalytic treatment of. L. von Szeszich. 1,982,556; Nov. 27.
Carburetor. R. E. Gould. 1,982,291; Nov. 27.

Carburetor. H. Hueber and E. C. Horton. 1,982,581; Nov. 27.
Carburetor. A. M. Prentiss. 1,981,069; Nov. 27.
Carrier: *See*—
Bottle carrier. Braider bobbin carrier.
Carrier control, Automatic high frequency. S. C. Whitman. 1,982,558; Nov. 27.
Cartons, Setting up. M. Burger. 1,981,988; Nov. 27.
Casing for circular piston engines. F. Sieper. 1,982,027; Nov. 27.
Casing for motion picture cameras, Soundproof. C. E. McClav. 1,982,221; Nov. 27.
Casing for water heaters and the like. H. W. A. Johnson and R. H. Moore. Des. 93,924; Nov. 27.
Cathode ray tube. R. C. Clinker. 1,982,373; Nov. 27.
Ceiling hanger. W. D. Barge. 1,982,565; Nov. 27.
Cellulose, Nitrating. S. A. Pollock. 1,982,122; Nov. 27.
Cement, Asphaltic. W. C. Ferguson. Re19,381; Nov. 27.
Chair, Ironing board, and stepladder, Combination. D. H. King. 1,982,111; Nov. 27.
Check row wire for planters. A. E. W. Johnson. 1,982,434; Nov. 27.
Check wire for planters. E. R. Graves. 1,982,427; Nov. 27.
Cheese, Manufacturing cheddar. L. C. Bruhn. 1,981,986; Nov. 27.
Chemical treatment process for pulp manufacture. H. L. Wollenberg. 1,982,130; Nov. 27.
Chrome tanning process. E. A. Vogel. 1,982,586; Nov. 27.
Churn, Power. W. L. Lawler. 1,982,059; Nov. 27.
Cigar. M. S. Kayner. 1,982,168; Nov. 27.
Cigar manufacturing apparatus and method. K. E. Granstedt. 1,982,292; Nov. 27.
Cigarette dispensing and lighting mechanism. W. Deats. 1,982,046; Nov. 27.
Cigarette rolling machine. J. W. Ash. 1,982,365; Nov. 27.
Circuit breaker. W. F. Borgerd and C. A. Uherek. 1,982,463; Nov. 27.
Circuit breaker. W. H. Frank and J. Messing. 1,982,289; Nov. 27.
Circuit breaker with liquid or gas blowout. A. Clerc. 1,982,134; Nov. 27.
Circuit control mechanism for mechanical refrigerating apparatus. F. R. Erbach. Re19,385; Nov. 27.
Circuit for network protectors, Phasing. M. A. Bostwick. 1,982,337; Nov. 27.
Clamp. T. Birkenmaier and L. P. Boll. 1,982,281; Nov. 27.
Clamping instrument and using the same. H. D. Furniss. 1,982,207; Nov. 27.
Clay insulation for metallurgical apparatus, Cellular. C. E. Williams and J. D. Sullivan. 1,982,490; Nov. 27.
Cleaner for oil burners. D. H. Hill. 1,982,303; Nov. 27.
Cleaning and polishing. F. J. Bronner. 1,982,285; Nov. 27.
Clock and interval timer. G. M. Browning. 1,982,495; Nov. 27.
Clock case. M. Schlenker. Des. 93,945; Nov. 27.
Closure device for metallic container opening. J. W. Shera. 1,982,144; Nov. 27.
Closure device for metallic containers. J. W. Shera. 1,982,145; Nov. 27.
Closure for liquid fuel tanks and barrels. W. J. Oxley and L. M. Frank. 1,982,066; Nov. 27.
Closures from a magazine, Method and apparatus for delivering. M. Winterbalter. 1,982,090; Nov. 27.
Clothesline reel. H. Basler. 1,982,042; Nov. 27.
Clutch: *See*—
Disk clutch.
Coal, coke, and other solid materials into storage chambers and the like, Charging of. E. G. Blackwell. 1,982,413; Nov. 27.
Coated paper. A. F. Owen. 1,982,018; Nov. 27.
Coating composition. W. W. Bell. 1,982,280; Nov. 27.
Cock, Ball. H. D. Clemmons. 1,981,904; Nov. 27.
Coffee maker. F. E. Wolcott. Des. 93,957; Nov. 27.
Coil wrapping machine. E. W. Collins. 1,981,946; Nov. 27.
Comb. H. J. Ennis. 1,982,136; Nov. 27.
Combustion apparatus. L. W. Corbett. 1,981,947; Nov. 27.
Compensating device for magnetic compasses. M. M. Titterington. 1,982,405; Nov. 27.
Composition of matter. W. H. Moss. 1,982,227; Nov. 27.
Compounds of the anthracene series, Production of valuable. M. A. Kunz, K. Koeberle, and G. Kochendoerfer. 1,982,311; Nov. 27.
Compressed air motor. J. E. Peltier. 1,982,019; Nov. 27.
Compressor controlling device. J. Naab. 1,982,264; Nov. 27.
Computing machine. F. A. Hart. 1,982,251; Nov. 27.
Concrete, Coloring. E. W. Scripture, jr. 1,982,541; Nov. 27.
Concrete wall construction, Unit. H. H. Luehrs. 1,982,217; Nov. 27.
Condenser: *See*—
Countercurrent condenser.
Conductor, Electrical. J. C. Patrick. 1,981,968; Nov. 27.
Conductor, Insulated electrical. B. H. Reeves. 1,982,539; Nov. 27.
Conduits, Forming. A. Y. Dodge. 1,981,950; Nov. 27.
Connecter: *See*— Electric connecter.
Cable connecter.
Connecting means. H. A. Douglas. 1,982,501; Nov. 27.
Connection for filters and the like. W. H. De Lancey. 1,982,376; Nov. 27.
Constructional material and paving structures. A. C. Fischer. 1,982,580; Nov. 27.
Container: *See*—
Plywood container.
Container. C. E. McManus. Des. 93,940; Nov. 27.
Container. E. Watson. 1,982,557; Nov. 27.
Container closure. J. M. Hothersall. 1,981,864; Nov. 27.
Control apparatus for washing and cleansing machines. L. Pierce. 1,982,320; Nov. 27.
Control for fuel burners. W. E. Stark. 1,982,031; Nov. 27.
Control for gas burners, Automatic. J. B. Williams. 1,982,561; Nov. 27.
Control for internal-combustion engines, Automatic. J. F. Frese. 1,981,859; Nov. 27.
Control for looper pans, Automatic. F. E. Flynn and G. N. Harmon. 1,982,608; Nov. 27.
Control means for air brakes, Electric. E. and H. Shields. 1,982,543; Nov. 27.
Control mechanism for electric motors, Automatic. A. C. Durdin, jr. 1,982,578; Nov. 27.
Control switch. A. J. A. Peterson. 1,982,321; Nov. 27.
Control system. A. H. Mittag. 1,982,350; Nov. 27.
Control system for electric circuits, Remote. H. E. Butler. 1,982,368; Nov. 27.
Control valve, Cold water inlet. L. D. Lovekin. 1,982,582; Nov. 27.
Controller for internal combustion engine starters, Automatic. G. B. Sayre. 1,981,879–80; Nov. 27.
Controlling heat unit in a thermo engine. A. J. Bocz. 1,982,151; Nov. 27.
Controlling mechanism for internal combustion engines. W. L. McGrath. 1,982,114; Nov. 27.
Convertible floor lamp. L. C. Doane. 1,982,203; Nov. 27.
Conveyer system. L. D. Hess and C. R. Libby. 1,982,102; Nov. 27.
Conveyers, Apparatus for regulating the operation of. G. Wünsch. 1,982,564; Nov. 27.
Cooking machine. I. F. McDonald. 1,981,875; Nov. 27.
Cooling device. H. E. Cann. 1,982,570; Nov. 27.
Cooling unit. H. A. Greenwald. 1,982,429; Nov. 27.
Corset material and making the same, Perforated. R. J. Dunn and H. D. McLean. 1,981,909; Nov. 27.
Countercurrent condenser. H. E. Byer. 1,981,989; Nov. 27.
Coupler. E. P. Kinne. 1,981,918; Nov. 27.
Coupling. S. Mandl and E. M. Pfauser. 1,982,008; Nov. 27.
Coupling for rubber covered tubes. A. L. Parker. 1,982,533; Nov. 27.
Coupling for tractor trailer combinations. H. H. Robinson and H. A. Robinson, sr. 1,982,072; Nov. 27.
Cover and safety valve, Combination manhole. R. Nerem. 1,982,118; Nov. 27.
Crate. S. A. McGaw. 1,982,222; Nov. 27.
Crate, Shipping. H. M. Knowlton. 1,982,437; Nov. 27.
Cravat holder. A. L. Wurster. 1,982,188; Nov. 27.
Cuff grip, Adjustable. A. W. Sparrow. 1,982,547; Nov. 27.
Cultivator attachment. D. N. Bruton. 1,982,417; Nov. 27.
Cup for milking machines, Teat. J. and A. Persoons. 1,982,452; Nov. 27.
Cushion slide for furniture. W. F. Herold. 1,982,138; Nov. 27.
Cushioning mechanism. D. C. Davis and L. M. Clark. 1,982,575; Nov. 27.
Cuspidor. W. J. Hooberry. 1,982,517; Nov. 27.
Cut-off, Automatic gas. F. Raible. 1,982,481; Nov. 27.
Cylinders for the goffering of films, Embossing. A. Gary. 1,982,209; Nov. 27.
D-handles, Making. W. A. Ready. 1,982,177; Nov. 27.
Deinking wastes and other industrial effluents, Purification of. S. D. Wells and W. B. Cramer. 1,982,129; Nov. 27.
Dental slab. J. B. Earman. 1,982,155; Nov. 27.
Dental tool. A. D. Wiseman. 1,982,336; Nov. 27.
Deviometer. F. W. Dunmore. 1,981,857; Nov. 27.
Dial illuminating means for telephones. E. H. Schmitt. 1,982,457; Nov. 27.
Dibenzanthrones, Halogenated. M. A. Kunz, K. Koeberle, and E. Berthold. 1,982,312–13; Nov. 27.
Die: *See*—
Drawing die.
Die-casting apparatus. A. F. Waltz. 1,981,888; Nov. 27.
Discharge control for windrow harvesters, Delayed. E. A. Johnston and A. C. Lindgren. 1,982,435; Nov. 27.
Disk clutch, Automatic and manually controlled cam and lever actuated. R. A. Kyle. 1,982,006; Nov. 27.
Dispenser: *See*—
Liquid dispenser.
Display structure, Adjustable. T. J. Donovan, jr. 1,981,847; Nov. 27.
Distance, Apparatus for measuring. M. Mennesson. 1,982,528; Nov. 27.
Distance, Measuring. E. E. Turner, jr. 1,982,271; Nov. 27.
Distillation system. W. Sieck, jr. 1,982,598; Nov. 27.
Distributing mechanism for typographical composing and distributing machines. C. A. Albrecht. 1,982,040; Nov. 27.

Doctor solutions, Reclaiming spent. R. A. Dunham. 1,982,577; Nov. 27.
Doll, Boy. D. R. Gufler. Des. 93,919; Nov. 27.
Doll, Girl. D. R. Gufler. Des. 93,920; Nov. 27.
Door control, Elevator. S. Lubkin. 1,982,442; Nov. 27.
Door for banks, Burglarproof. R. A. Harvey. 1,982,301; Nov. 27.
Draft and humidifier device for hot air registers, Forced. H. H. Crafton. 1,982,465; Nov. 27.
Draft appliance, Railway. W. J. Regan and E. George, jr. 1,982,234; Nov. 27.
Drain, Intercepting. W. J. Luff. 1,982,348; Nov. 27.
Drawing die. H. H. Richardson. 1,982,352; Nov. 27.
Dress. P. Heit. Des. 93,923; Nov. 27.
Dress. E. Mair. Des. 93,936–7; Nov. 27.
Dress. O. Nathanson. Des. 93,941; Nov. 27.
Drier: *See*—
Fruit drier. Portable drier.
Hair drier.
Drier for paints and varnishes, Soluble. R. A. Dunham. 1,982,048; Nov. 27.
Drill: *See*—
Mining drill.
Drive for breaker-lapper, Extension. A. J. Blackwood and C. R. Harris. 1,982,414; Nov. 27.
Drying apparatus. F. Stebler. 1,982,082; Nov. 27.
Dustpan. F. E. Stover. 1,982,182; Nov. 27.
Dyestuffs of the stilbene series and making same, Azo. A. Gressly. 1,982,159; Nov. 27.
Earth working machine. J. McAlister. 1,982,219; Nov. 27.
Eccentric control. M. J. Barbarou. 1,982,603; Nov. 27.
Egg beater. E. F. Nash. 1,982,531; Nov. 27.
Electric connecter. F. C. Kollath. 1,982,169; Nov. 27.
Electric controlling apparatus. F. G. Logan. 1,981,921; Nov. 27.
Electric controlling apparatus. F. J. Logan. 1,982,007; Nov. 27.
Electric furnace. H. Carmichael. 1,982,418; Nov. 27.
Electric heater. J. F. Ball and H. M. Quirey. 1,982,190; Nov. 27.
Electric resistance unit. R. J. Parsons. 1,982,121; Nov. 27.
Electric switch. H. E. Norviel. 1,981,966; Nov. 27.
Electrical air heater. A. J. Kercher. 1,982,139; Nov. 27.
Electrical conductor for electron discharge tubes. I. E. Mouromtseff and G. Rylsky. 1,982,317; Nov. 27.
Electrical cut-outs, Making. E. A. Harty. 1,982,384; Nov. 27.
Electrical fitting. S. N. Buchanan. 1,982,464; Nov. 27.
Electrical instrument. V. S. Thomander. 1,982,333; Nov. 27.
Electrified insect screen, Adjustable. W. F. Folmer. 1,981,951; Nov. 27.
Electrode. Welding. A. M. Hartmann. 1,982,098; Nov. 27.
Electrolytic cell. W. G. Michel. 1,982,224; Nov. 27.
Electrolytic foil. R. A. Wilkins. 1,982,587; Nov. 27.
Electromagnetic apparatus. I. F. Kinnard. 1,982,344; Nov. 27.
Emergency control for closed centrifuges. S. H. Hall. 1,982,296; Nov. 27.
Engine of the Diesel, semi-Diesel, compression ignition, or injection type, Internal combustion. J. J. E. Sloan. 1,982,146; Nov. 27.
Ethylene glycol, Making. K. E. Skärblom. 1,982,545; Nov. 27.
Expansion joint, Polymerized, bituminous, premolded. A. C. Fischer. 1,982,506; Nov. 27.
Exposure meter. H. Tönnies. 1,982,406; Nov. 27.
Extractor: *See*—
Paper pulp extractor.
Fabric: *See*—
Warp pile fabric.
Fabrics or clothes during laundering operations and apparatus therefor, Treating. H. Heller. 1,981,954; Nov. 27.
Fan, Oscillating motor. W. Rührel. 1,982,537; Nov. 27.
Fastener: *See*—
Button fastener. Paper fastener.
Fastener, Making a corrugated. J. H. McFaul. 1,981,869; Nov. 27.
Fasteners to upholstered trim panels, Securing. B. C. Place. 1,982,232; Nov. 27.
Fastening device. G. A. Tinnerman. 1,981,973; Nov. 27.
Fat and method, Frying. E. B. Working. 1,982,186; Nov 27.
Faucet, Sanitary. E. L. Roberts. 1,982,071; Nov. 27.
Feeder: *See*—
Pig feeder.
Feeding and arranging mechanism. S. Seltzer. 1,982,458; Nov. 27.
Fertilizer, Apparatus for producing phosphatic. G. C. Pfaff. 1,982,480; Nov. 27.
Fertilizers, Apparatus for producing phosphatic. B. Ober, W. W. Pagon, G. L. Pruett, and W. W. Troxell. 1,982,479; Nov. 27.
Fibrous material and making same, Treated. W. R. Seigle. 1,982,542; Nov. 27.
Fibrous material, Treatment of. R. P. Rose and A. F. Owen. 1,982,024; Nov. 27.
Field strength meter. P. B. Taylor. 1,982,331; Nov. 27.
Films, Apparatus for copying goffered. A. Wright. 1,982,187; Nov. 27.
Filtration, Method of and material for. G. C. Pierce. 1,981,877; Nov. 27.
Fire extinguisher. E. F. Baumgarten. 1,982,192; Nov. 27.
Fish scaling device. O. V. Strand. 1,982,083–4; Nov. 27.
Fishing lure. J. D. Freese. 1,982,609; Nov. 27.
Fishing reel bushing appliance. S. G. Russell and E. D. Clickner. 1,981,925; Nov. 27.
Fishing tackle. M. J. Coyne. 1,982,573; Nov. 27.
Float valve. J. W. Matthews. 1,982,062; Nov. 27.
Floor structure, Armored. J. M. Keown. 1,982,110; Nov. 27.
Flooring. H. M. Newton. 1,982,476; Nov. 27.
Flow switch. R. B. Hicks. 1,982,430; Nov. 27.
Fluid operated hand tool. J. H. Johanson. 1,981,955; Nov. 27.
Folding board. J. P. Doman. 1,982,205; Nov. 27.
Folding ironing table. J. A. Reitze. 1,982,399; Nov. 27.
Food substances, Treating. G. Sperti, R. J. Norris, R. B. Withrow, and H. Schneider. 1,982,029; Nov. 27.
Fork, or similar article, Table. G. S. Wilson. Des. 93,956; Nov. 27.
Form, Making a hollow display. W. J. De Witt. 1,981,949; Nov. 27.
Fourdrinier paper machine. F. S. McDonnell. 1,982,349; Nov. 27.
Frame assembly for mounting a unitary device on an automobile chassis. R. C. Evans. 1,981,995; Nov. 27.
Frenching machine. W. Swift. 1,982,487; Nov. 27.
Frequencies by means of static apparatus, Changing. M. Schenkel. 1,982,324; Nov. 27.
Frequency changing system. H. Meyer-Delius. 1,982,605; Nov. 27.
Frequency measuring system. H. C. Forges. 1,982,340; Nov. 27.
Friction transmission. J. Ehrlich. 1,981,910; Nov. 27.
Fruit drier. P. A. Minnis. 1,982,116; Nov. 27.
Fruit peeling device. W. Darr. 1,982,193; Nov. 27.
Fuel and preparing same, Motor. C. Winning. 1,982,277; Nov. 27.
Fuel control apparatus. R. D. Fageol. 1,982,049; Nov. 27.
Fuel for internal combustion engines. J. F. P. de La Riboisiere. 1,982,420; Nov. 27.
Fuel injector, Liquid. F. Ritz. 1,982,023; Nov. 27.
Fuel product, Motor. T. H. Rogers and V. Voorhees. 1,982,267; Nov. 27.
Fuel product, Motor. T. H. Rogers and V. Voorhees. 1,982,618; Nov. 27.
Fuel pump. A. Fielden. 1,981,913; Nov. 27.
Fueling system, Atmospherically controlled. C. I. Justheim. 1,982,107; Nov. 27.
Furnace: *See*—
Electric furnace.
Furnaces, Operating electric high-frequency. L. Dreyfus and A. Garde. 1,981,994; Nov. 27.
Fuse, Electric. W. A. Stoehr. 1,982,032; Nov. 27.
Fuse plug. G. R. Trumbull. 1,982,584; Nov. 27.
Game. J. T. Hartnett. 1,982,611; Nov. 27.
Game, Card. G. M. Parker. 1,982,534; Nov. 27.
Garment or ironing press. E. Davis. 1,982,202; Nov. 27.
Garment, Sleeping. G. F. Earnshaw. 1,982,579; Nov. 27.
Gas-blast switch. S. Ruppel. 1,982,355; Nov. 27.
Gas burner. A. L. Wem. 1,981,976; Nov. 27.
Gas engine. H. D. Murray. 1,982,229; Nov. 27.
Gas igniting and burning device. G. Herbster. 1,982,101; Nov. 27.
Gas lighting apparatus, Luminescent. J. O. Cadieux. 1,981,903; Nov. 27.
Gas tank pressure regulator. S. D. Clithero and E. G. Durando. 1,982,045; Nov. 27.
Gaseous products, Apparatus for the treatment of. I. Hechenbleikner. 1,982,009; Nov. 27.
Gauge: *See*—
Ring and finger gauge.
Gear: *See*—
Retractable landing gear.
Gear. E. Wildhaber. 1,982,037; Nov. 27.
Gear-shifting mechanism, Fluid-operated. K. W. Gaskill. Re19,382; Nov. 27.
Gears, Method of and machine for producing. J. E. Gleason and E. W. Bullock. 1,982,050; Nov. 27.
Gears, Producing. E. Wildhaber. 1,982,036; Nov. 27.
Glare protector for automobiles and other vehicles. W. Geist. 1,982,511; Nov. 27.
Glass feed, Automatic. C. G. Hilgenberg and C. B. Garwood. 1,982,253; Nov. 27.
Glassware, Apparatus for annealing. W. A. Morton and P. L. Geer. 1,982,477; Nov. 27.
Glassware forming machine. R. G. Allen and J. E. McLaughlin. 1,981,937; Nov. 27.
Glassware, Method of and apparatus for annealing. W. A. Morton and P. L. Geer. 1,982,478; Nov. 27.
Glassware, Method of and apparatus for making pressed and blown hollow. E. O. Hiller. 1,982,103; Nov. 27.
Gluing machine. C. L. Humphrey and R. K. Lee. 1,982,004; Nov. 27.
Golf bag stand. G. A. Huehn. 1,982,388; Nov. 27.
Golf club. C. Lussky and M. W. Brumleve. 1,982,526; Nov. 27.
Golf club. J. B. Wantz. 1,982,087; Nov. 27.
Golf practicing machine. K. M. Lawson. 1,982,525; Nov. 27.
Governor, Electric. A. Winther. 1,982,461; Nov. 27.

Governor, Electrical speed. R. G. Griffith. 1,982,000; Nov. 27.
Governor, Windwheel. J. W. Youngberg. 1,982,039; Nov. 27.
Grape stripper. H. E. Peterson. 1,982,142; Nov. 27.
Grapnel. A. L. Boles. 1,982,132; Nov. 27.
Grating construction. J. M. Keown. 1,982,109; Nov. 27.
Grille, Display. L. Acton. 1,982,131; Nov. 27.
Grille for radiators, Frontal. L. B. Green. 1,982,293; Nov. 27.
Grinding machine. S. Einstein and F. S. Haas. 1,982,287; Nov. 27.
Grinding machine. F. S. Haas. 1,982,297–8; Nov. 27.
Grinding machine. E. Ritz, jr. 1,982,483; Nov. 27.
Guard, Non-splash spraying. R. A. Trueman. 1,982 086; Nov. 27.
Guide for pipe cleaning devices. J. T. Shade. 1,982,402; Nov. 27.
Guide shell for rock drills. J. C. Curtis. 1,981,992; Nov. 27.
Gun sight. D. W. King. 1,982,058; Nov. 27.
Gun, Sporting. P. Scholberg. 1,982 401; Nov. 27.
Gun, Spray. A. F. Jenkins. 1,982,056; Nov. 27.
Hair curling apparatus. C. H. Bongartz. 1,982,416; Nov. 27.
Hair drier. H. W. Knoll. 1,982,255; Nov. 27.
Hair waving machine. C. A. Fetters. 1,982,156; Nov. 27.
Hand brake. R. J. Olander. 1,982,016; Nov. 27.
Hanger: *See*—
Beam hanger. Service hanger.
Ceiling hanger. Side door hanger.
Handle to a stem or spindle, Attaching a. H. Michel. 1,982,011; Nov. 27.
Hay-retaining finger for stacker teeth. E. O. Sondeno. 1,982,147; Nov. 27.
Head for puncturing closure disks. O. N. Wiswell. Re19,387; Nov. 27.
Headlight indicator. J. W. Stevens. 1,982,459; Nov. 27.
Heat exchange medium. P. H. Elliott and W. E. White. 1,981 849; Nov. 27.
Heat transfer apparatus. D. R. McNeal. 1,982,010; Nov. 27.
Heat within a steam power system, Conservation of. J. McCallum and H. P. H. Anderson. 1,982,060; Nov. 27.
Heater: *See*—
Electric heater. Electrical air heater.
Heater attachment for fans. W. E. Gundelfinger. 1,982,382; Nov. 27.
Heel end of a sole, Process and apparatus for preparing the. A. J. Brauer and F. P. Wagner. 1,981,890; Nov. 27.
Holder: *See*—
Cravat holder.
Key holder. Replaceable tube holder.
Hollow articles, Electroplating the interior surfaces of. P. E. McKinney and H. Le Laurin. 1,982,009; Nov. 27.
Honing device. J. A. Vogel and G. C. Warner. 1,982 238; Nov. 27.
Horse, Collapsible or knockdown. H. J. Marlowe. 1,982,061; Nov. 27.
Hose reel. C. Harris. 1,982,610; Nov. 27.
Humidifier. B. L. Huntley. 1,981,916; Nov. 27.
Humidifier. E. H. Roberts. 1,982,323; Nov. 27.
Humidifier head. G. C. Hanley. 1,982,137; Nov. 27.
Hydrocarbons, Apparatus for carbonization and distillation of solid. G. Komarek. 1,982,523; Nov. 27.
Hydrocarbons, Cracking. E. C. Herthel. 1,981,914; Nov. 27.
Hydrogen cyanide, Producing. T. S. Wheeler. 1,982,407; Nov. 27.
Ice cream branding machine. H. N. Sheppard and S. I. Powell. 1,981,928; Nov. 27.
Indicator: *See*—
Headlight indicator.
Implement retainer. R. O. Allen. 1,982,278; Nov. 27.
Impressions of feet, Apparatus for use in taking. W. L. Baxter. 1,981,941; Nov. 27.
Indicating signaling device. D. Canady. 1,982,133; Nov. 27.
Injector. L. J. Vetrano. 1,982,128; Nov. 27.
Inker for marking machines. F. Magidson. 1,982 473; Nov. 27.
Insect exterminator. A. E. Rittenhouse. 1,982,123; Nov. 27.
Insecticide. J. Savage, F. Holt, and R. Thomas. 1,981,926; Nov. 27.
Instrument case. W. D. Teague. Des. 93,951; Nov. 27.
Insulation for electrical sheets, Inorganic. C. A. Scharschu. 1,982,179; Nov. 27.
Internal combustion engine. F. C. Mock. 1,981,874; Nov. 27.
Internal combustion engine. J. M. Ulrich. 1,982,554; Nov. 27.
Iron with aluminum and product thereof, Plating. A. Wimmer. 1,982,563; Nov. 27.
Ironing and pressing machine. L. M. Kahn. 1,982,342; Nov. 27.
Jacket for transfusion, infusion, and injection flasks. J. C. Hopkins. 1,982,213; Nov. 27.
Jar. F. W. Stewart. Des. 93,950; Nov. 27.
Joint: *See*—
Expansion joint.
Pipe joint. Tool joint.
Scaffold joint. Universal joint.
Junction box or the like. H. A. Douglas. 1,982,502; Nov. 27.
Key holder. J. M. Bennett. 1,981,984; Nov. 27.
Knitting machine. P. F. La Montagne. 1,981,919; Nov. 27.
Knitting machine and making open-work fabric. N. Levin. 1,982,257; Nov. 27.
Knitting machine, Two-feed circular. A. G. Belford. 1,982,566; Nov. 27.
Knobs, Attachment for safe. H. W. Srygley. 1,982,080; Nov. 27.
Label game. J. Bock. 1,982,282; Nov. 27.
Ladder snubber. E. G. Colglazier, W. E. Ball, and L. P. Willis. 1,982,572; Nov. 27.
Ladle. L. Myers. 1,982,015; Nov. 27.
Lamp: *See*—
Convertible floor lamp.
Lamp, filament, and making the same. S. Ruben. 1,981,878; Nov. 27.
Lapping machine. C. Weidauer. 1,981,935; Nov. 27.
Latch mechanism. A. Michauka. 1,982,529; Nov. 27.
Latex applying top cementing machine. B. Jorgensen. 1,981,956; Nov. 27.
Lens, Bifocal. L. J. Kuehn. 1,982,310; Nov. 27.
Level and square. B. Rudolff. 1,982,178; Nov. 27.
Lift for bathtubs, Hydraulic. G. Feulner. 1,982,245; Nov. 27.
Lifting device. W. Miller. 1,982,225; Nov. 27.
Light: *See*—
Automobile signal light.
Light-controlled means for controlling recorders, Method and apparatus for utilizing. C. H. Wilson and C. J. Brown. 1,982,185; Nov. 27.
Light flashing apparatus. C. G. Suits. 1,982,361; Nov. 27.
Light projector or similar article. J. Levy. Des. 93,933–4; Nov. 27.
Lighter unit and mounting therefor. M. E. Bernhardt. 1,982,493; Nov. 27.
Lighting fixture. S. H. Barnes. 1,982,191; Nov. 27.
Lighting fixture. L. C. Doane. 1,982,204; Nov. 27.
Lighting system and controls therefor, Electric. H. A. Douglas. 1,982,500; Nov. 27.
Lighting system, Automobile. C. H. Braselton. 1,981,985; Nov. 27.
Line tightener. W. J. Miller. 1,982,444; Nov. 27.
Line, twine and cord. J. W. W. Holden. 1,982,304; Nov. 27.
Liquid dispenser, Automatic. J. L. Patterson. 1,982,535; Nov. 27.
Liquid feed device. P. B. Renfrew. 1,982,021; Nov. 27.
Liquid level regulating apparatus. E. Kagi. 1,982,108; Nov. 27.
Liquid pump. R. S. Bassett. Re19,384; Nov. 27.
Liquid pump. P. S. Morgan. 1,981,965; Nov. 27.
Liquid testing device. F. S. Stickney. 1,982,328; Nov. 27.
Loading device for strapping machines. N. F. Parker. 1,982,230; Nov. 27.
Lock spring with floating top, Triple. O. L. Goethel. 1,982,426; Nov. 27.
Lock washer. C. J. Spahn. 1,982,076; Nov. 27.
Log washer shaft and arm assembly. W. S. Rockhill. 1,982,597; Nov. 27.
Loud speaker cone suspension. C. Messick. 1,982,443; Nov. 27.
Lubricant. L. C. Brunstrum. 1,982,199; Nov. 27.
Lubricant. L. C. Brunstrum and M. R. Schmidt. 1,982,198; Nov. 27.
Lubricant, Anhydrous. L. C. Brunstrum and W. P. Hilliker. 1,982,200; Nov. 27.
Lubricating apparatus. E. W. Davis. 1,981,905; Nov. 27.
Lubricating system, Centralized. O. U. Zerk. 1,982,093; Nov. 27.
Lubricator for driving boxes of a locomotive, Journal. D. M. Wilks. 1,982,364; Nov. 27.
Machine for making corner molding, beading and the like. L. E. Curtis. 1,982,466; Nov. 27.
Machine for making ice cream cones and the like. J. P. Groset and C. J. Halset. 1,981,862; Nov. 27.
Manifold, Charge forming and distributing. A. Moore. 1,981,876; Nov. 27.
Manifold, Multiple port charge forming and distributing. A. Moore. 1,982,596; Nov. 27.
Manifolding machine. F. G. Diesbach. 1,982,606; Nov. 27.
Mass production of paper fibers from banana stalks. C. O. Tappan. 1,981,883; Nov. 27.
Mat. A. K. Hodes. 1,982,515; Nov. 27.
Mat, Seat. F. K. Holmested. 1,982,516; Nov. 27.
Match packet. R. S. Pullen. 1,982,176; Nov. 27.
Material for use in caulking, packing, lagging or covering, and for other purposes, Making a. E. V. Hayes-Gratze. 1,982,381; Nov. 27.
Materials, Activation of. G. Sperti. 1,982,028; Nov. 27.
Materials, Apparatus for measuring bulk. W. M. Venable. 1,982,127; Nov. 27.
Materials, Apparatus for measuring the hardness of. A. E. Shore. 1,982,026; Nov. 27.
Measuring apparatus. T. P. Williams and J. A. Baxter. 1,982,184; Nov. 27.
Measuring instrument. T. R. Harrison. 1,982,300; Nov. 27.
Meat, Molding rectangular boned. O. Wolff. 1,981,889; Nov. 27.
Medicament for external use and producing the same. A. Zimbron, jr. 1,982,148; Nov. 27.
Metal articles, Method and apparatus for elongating. F. Singer. 1,982,544; Nov. 27.

Metal chlorides, Manufacture of anhydrous. J. Brode and C. Wurster. 1,982,194; Nov. 27.
Metal during cold rolling, Treating. G. H. Orozco. 1,982,065; Nov. 27.
Metal, Method of and apparatus for rolling. W. R. Clark. 1,982,571; Nov. 27.
Metal ware, Manufacture of. A. Hormel and W. Russell. 1,981,915; Nov. 27.
Meter: *See*—
Exposure meter.
Field strength meter. Vacuum tube life meter.
Mining drill. F. W. Vodoz. 1,982,585; Nov. 27.
Mold and method of casting. E. G. Fahlman. 1,982,423; Nov. 27.
Mold and method of casting metal. E. G. Fahlman. 1,982,424; Nov. 27.
Molding press. J. Derry. 1,982,576; Nov. 27.
Monument, Cemetery. R. A. Hull. 1,982,432; Nov. 27.
Moths, Exterminating. J. E. Smith. 1,982,358; Nov. 27.
Motor: *See*—
Compressed air motor.
Motorstat. J. B. Golob. 1,982,051; Nov. 27.
Mount for electron discharge devices. S. M. Reed. 1,982,069; Nov. 27.
Mounting, Bearing. J. H. Baninger. 1,982,366; Nov. 27.
Mounting, Edge glass. A. Grabelsky. 1,982,096; Nov. 27.
Mounting, Engine. R. S. Trott. 1,981,886; Nov. 27.
Mounting, Engine. R. S. Trott. 1,982,593; Nov. 27.
Mounting, Eyeglass and spectacle. R. L. Dublin. 1,982,047; Nov. 27.
Mounting for automotive vehicles, Engine. R. S. Trott. 1,982,594; Nov. 27.
Mounting means for aircraft sustaining rotors. A. E. Larsen. 1,982,113; Nov. 27.
Mounting, Mirror. F. G. Steiner. 1,981,971; Nov. 27.
Mounting, Spindle. L. F. Nenninger. 1,982,265; Nov. 27.
Mounting, Spring. M. Stadtler. 1,982,030; Nov. 27.
Mug, Shaving. R. L. Graham. 1,982,512; Nov. 27.
Nitrate of lime in globular form, Manufacture of. N. Stephansen, C. Eyer, and G. Meder. 1,982,549; Nov. 27.
Nozzle. T. W. Murphy. 1,982,228; Nov. 27.
Nut blanking machine. S. Baxendale. 1,982,402; Nov. 27.
Nut meats, Apparatus for treating. L. M. Sawin. 1,982,073; Nov. 27.
Nuts, Method and apparatus for making. H. J. Hogue. 1,982,054; Nov. 27.
Objects by radio, System for detecting. A. H. Taylor, L. C. Young, and L. A. Hyland. 1,981,884; Nov. 27.
Objects in silicidized carbon or other similar substances, Manufacturing hard. A. L. Mingard. 1,982,012; Nov. 27.
Oil burner. S. G. Smith. 1,982,359; Nov. 27.
Oil conversion, Hydrocarbon. J. G. Alther. 1,982,462; Nov. 27.
Oil saver. A. G. Heggem. 1,982,252; Nov. 27.
Oils, Conversion of petroleum. A. R. Workman. 1,982,091; Nov. 27.
Oils, Cracking hydrocarbon. G. Egloff. 1,982,469; Nov. 27.
Oils with liquid SO_2 and the like, Continuous refining of mineral. W. Grote and P. Obergfell. 1,982,513; Nov. 27.
Olefines, Producing. G. A. Perkins. 1,982,536; Nov. 27.
Opener for containers, Combination bail and lid. B. B. Smith. 1,982,124; Nov. 27.
Optical demonstration apparatus. F. McFadden. 1,981,964; Nov. 27.
Orthopedic or surgical device. G. C. Martin. 1,982,140; Nov. 27.
Oven. G. W. Heinbuch. 1,982,386; Nov. 27.
Overshoe for skates. A. Kutchera. 1,982,524; Nov. 27.
Ozonizing apparatus for internal combustion engines. A. C. Runge. 1,982,484; Nov. 27.
Package. T. J. Lewis. 1,982,390; Nov. 27.
Package. W. Medoff. 1,982,616; Nov. 27.
Package for pencil leads. H. H. Lang. 1,982,112; Nov. 27.
Packaged article of manufacture. L. Kirschbraun. 1,982,215; Nov. 27.
Packing apparatus. H. C. Sumner, F. J. Taylor and F. Langley. 1,981,881; Nov. 27.
Packing holder for fragile articles. F. D. Gray and R. Farnham. 1,982,428; Nov. 27.
Pad: *See*—
Water pad.
Paint, Apparatus for applying. A. F. Jenkins. 1,982,055; Nov. 27.
Panel board, Making. J. W. Ledeboer. 1,982,314; Nov. 27.
Panel distributing board. H. F. Starrett. 1,981,929; Nov. 27.
Paper bag. C. G. Eaton. 1,982,503; Nov. 27.
Paper fastener. P. O. Unger. 1,982,272; Nov. 27.
Paper pulp, Bleaching. R. S. Hatch. 1,982,002; Nov. 27.
Paper pulp extractor. L. V. Reese and G. W. Johnson. 1,981,924; Nov. 27.
Particles composing a mass, Process and apparatus for the separation of. H. M. Sutton and W. L. and E. G. Steele. 1,982,601; Nov. 27.
Pattern, Garment. F. Hutter. 1,982,005; Nov. 27.
Pen, Lettering, drawing, writing, and marking. L. M. Snell. 1,982 546; Nov. 27.
Pencil, Multicolor. K. Kimura. 1,981,917; Nov. 27.
Perforating machine. E. G. Rix. 1,982,453; Nov. 27.
Pessary. E. C. Haas. 1,982,001; Nov. 27.
Petroleum phenols, Desulphurizing recovered. J. C. D. Oosterhout. 1,982,120; Nov. 27.
Phenol derivative and preparing same. F. E. Stockelbach. 1,982,180; Nov. 27.
Phonograph. M. Nystrom. 1,982,174; Nov. 27.
Photographic process. C. F. Gillette. 1,982,210; Nov. 27.
Photographic process, Composite. C. F. Gillette. 1,982,211; Nov. 27.
Picture framing and the like. R. J. Schill. 1,982,143; Nov. 27.
Picture projecting and viewing apparatus. M. Bowman-Manifold. 1,981,922; Nov. 27.
Pictures and reproducing sound pictures, Apparatus for simultaneously producing moving. E. I. Sponable. 1,982,600; Nov. 27.
Pictures, Apparatus for making motion. I. G. Ries and D. G. Shearer. 1,982,322; Nov. 27.
Pictures in natural colors, Projecting cinematographic. P. O. Mikut. 1,982,530; Nov. 27.
Pictures, Method and apparatus for producing moving. E. I. Sponable. 1,982,599; Nov. 27.
Pig feeder. J. W. Tomkins. 1,982,237; Nov. 27.
Pigment, Manufacture of white. R. Barfuss. 1,982,604; Nov. 27.
Pipe: *See*—
Smoking pipe.
Pipe fitting, Sheet metal. E. S. Cornell, jr. 1,982,498; Nov. 27.
Pipe joint. S. B. Clark. 1,982,044; Nov. 27.
Pipe, Method and apparatus for electrically welding. H. G. Blevins. 1,982,415; Nov. 27.
Pipe welding. J. P. Fisher. 1,981,850; Nov. 27.
Piston. A. L. Nelson. 1,982,396; Nov. 27.
Piston. D. Sulprizio. 1,982,330; Nov. 27.
Piston, Oil control. R. H. Daisley. 1,981,993; Nov. 27.
Piston packing. R. A. Light and J. W. Price, jr. 1,982,614; Nov. 27.
Piston ring. J. J. Carroll. 1,982,286; Nov. 27.
Plant product, Making marine. P. R. Park. 1,982,595; Nov. 27.
Plastic material, Apparatus for molding. V. G. Apple. 1,982,279; Nov. 27.
Plug: *See*—
Fuse plug. Renewable spark plug.
Plug connecter for electrical appliances. J. W. Comiskey. 1,981,854; Nov. 27.
Plug for punch presses and the like, Hold-down. J. A. Weber. 1,982,488; Nov. 27.
Plumbing fixture. H. Van Der Horst. 1,982,555; Nov. 27.
Plywood container. A. Quimby and S. J. Antworth. 1,982,233; Nov. 27.
Pocket for garments. H. Heile. 1,982,100; Nov. 27.
Pocket, Glove. B. Hines. 1,982,431; Nov. 27.
Portable drier. C. V. Hallenbeck. 1,982,250; Nov. 27.
Power control for inductive load. P. E. Stogoff. 1,982,329; Nov. 27.
Power driven tool, Portable. H. M. Rand. Des. 93,943; Nov. 27.
Power saving valve. J. G. Maclaren. 1,982,220; Nov. 27.
Power, System for distributing. M. J. De Mask. 1,982,152; Nov. 27.
Power transmitting device, Elastic. E. C. Magdeburger. 1,981,870; Nov. 27.
Press: *See*—
Printing press.
Pressure relief device, Automatic. W. F. Mesinger and A. C. Mattison. 1,982,474; Nov. 27.
Printing, Discharge. F. B. Downing and R. G. Clarkson. 1 981,907; Nov. 27.
Printing machine. E. C. Colyer. 1,982,374; Nov. 27.
Printing machine. W. T. Gollwitzer. 1,982,379–80; Nov. 27.
Printing mechanism. F. M. Carroll. 1,981,990; Nov. 27.
Printing press. H. Frankboner. 1,981,912; Nov. 27.
Printing press, Multicolor. P. F. Cox. 1,982,574; Nov. 27.
Projection apparatus and/or system. K. L. Curtis. 1,982,201; Nov. 27.
Propeller. C. H. Havill. 1,982,162; Nov. 27.
Propeller control mechanism. E. A. Briner. 1,982,284; Nov. 27.
Propeller for aircraft and for ventilations, Variable pitch. E. A. Briner. 1,982,283; Nov. 27.
Propeller, Variable pitch. R. P. Lansing. 1,982,170; Nov. 27.
Protected filling device. E. M. Boss. 1,982,568; Nov. 27.
Protective device for poles. A. J. Byrd. 1,982,569; Nov. 27.
Pulley, Universal. A. Nault. 1,982,141; Nov. 27.
Pump: *See*—
Fuel pump.
Liquid pump. Steam jet pump.
Pump. T. E. Cline and R. E. Tipton. 1,981,991; Nov. 27.
Pump. L. M. Cotchett. 1,982,497; Nov. 27.
Punching machine. N. S. Welk. 1,981,932; Nov. 27.
Purse, Coin slot. E. Weimar. 1,981,975; Nov. 27.
Queen bee excluder. C. E. Chrysler. 1,982,419; Nov. 27.
Rackets and the like, Manufacture of tennis. R. J. Nash. 1,982,448; Nov. 27.
Railway signal. C. H. Larson. 1,982,439; Nov. 27.
Razor, Safety. J. U. Koree. 1,982,958; Nov. 27.
Reaction chamber and scrubber, Combination. E. W. Beardsley. 1,981,852; Nov. 27.
Receptacle. H. L. Bruce. 1,981,853; Nov. 27.

Receptacle for electric plugs. B. F. Muldoon. 1,982,263; Nov. 27.
Recording and/or controlling apparatus, Automatic. J. L. Hodgson, G. P. E. Howard, and A. Ivanoff. 1,982,053; Nov. 27.
Records, Apparatus for multiplying. A. Oser. 1,982,017; Nov. 27.
Rectifier and pentode, Combined. H. W. Parker. 1,982,068; Nov. 27.
Rectifier, Mercury-vapor. A. Siemens. 1,982,326; Nov. 27.
Rectifier, Thermionic. H. W. Parker. 1,982,067; Nov. 27.
Reel: *See*—
Clothesline reel. Hose reel.
Reflectors, Making. V. L. Oestnaes and R. W. Luce. 1,982,318; Nov. 27.
Refrigerating apparatus, Making. L. C. Smith. 1,982,075; Nov. 27.
Refrigerating machine. W. D. Drysdale. 1,981,848; Nov. 27.
Refrigerator. F. Conrad and C. Aalborg. 1,982,375; Nov. 27.
Regulator: *See*—
Gas tank pressure regulator.
Regulating device for dampers for elastic vehicle suspensions. H. Pieper. 1,982,398; Nov. 27.
Remote control and keying system for radio transmitters. E. A. Goodwin. 1,981,861; Nov. 27.
Remote control and safety appliance for gas burners. J. B. Williams. 1,982,562; Nov. 27.
Renewable spark plug. L. J. Tetlow. 1,982,034; Nov. 27.
Replaceable tube holder. W. M. Perry. 1,982,319; Nov. 27.
Resin and making the same. P. F. Schlingman. 1,982,486; Nov. 27.
Resistance unit. J. J. Mucher. 1,982,475; Nov. 27.
Respirator, Hot air. J. E. Bjurstrom. 1,982,412; Nov. 27.
Retractable landing gear. H. C. Downey. 1,981,856; Nov. 27.
Revolving device for pilger mills. H. Heetkamp. 1,982,472; Nov. 27.
Ring: *See*—
Adapter ring. Piston ring.
Ring and finger gauge. M. Engelsman. 1,981,911; Nov. 27.
Ring or similar article, Wedding. H. Kousin and W. Sude. Des. 93,929; Nov. 27.
Road building machine. J. N. Heltzel. 1,982,387; Nov. 27.
Rod spider. H. L. Rhodes. 1,982,482; Nov. 27.
Rodent trap. A. M. Johnson. 1,982,389; Nov. 27.
Roll leaf imprinting machine for leather goods. H. Gould and F. Ackerman. 1,982,158; Nov. 27.
Safety device for brake rods. E. G. Busse. 1,981,902; Nov. 27.
Safety device for compressed air or other fluid pressure pipe systems. P. Hansen. 1,982,514; Nov. 27.
Salt of cinidyl sulphuric ester, Alkali metal. H. M. Bunbury and A. W. Baldwin. 1,981,901; Nov. 27.
Sanitary device. S. Jakala. 1,982,520; Nov. 27.
Sash operating mechanism. A. H. Schaffert and H. E. Van Voorhees. 1,982,269; Nov. 27.
Scaffold joint. C. H. Anderson. 1,981,938; Nov. 27.
Scale. H. L. van Doren and J. G. Rideout. Des. 93,953; Nov. 27.
Scale prevention. H. Howard. 1,982,518; Nov. 27.
Scissors or similar article, Pair of. J. J. Conway. Des. 93,912; Nov. 27.
Score lines, Making. W. E. Burns. 1,981,945; Nov. 27.
Scraper and cultivator, Combined. Z. Williams. 1,982,038; Nov. 27.
Screen: *See*—
Window screen.
Screen plate, Pulp. G. W. Davis. 1,982,244; Nov. 27.
Scrubbing device. C. M. Rutter. 1,982,356; Nov. 27.
Seal. F. Keidel. 1,982,438; Nov. 27.
Seal, Oil. H. A. Clark. 1,981,846; Nov. 27.
Seals for tubes, Automatic. G. T. Griffin. 1,982,294; Nov. 27.
Sear mechanism for guns. R. C. Coupland. 1,981,855; Nov. 27.
Selecting system. J. E. Gardner. 1,982,290; Nov. 27.
Semitrailer. D. E. Hennessy. 1,982,052; Nov. 27.
Semitrailer. R. B. Jones and J. J. Black. 1,982,613; Nov. 27.
Separator for storage batteries. G. N. Goodrich. 1,982,095; Nov. 27.
Service hanger. V. J. Hultquist. 1,982,166; Nov. 27.
Sewage sludge, Digestion of. A. J. Fischer. 1,982,246; Nov. 27.
Sewage, System for handling. C. H. Nordell. 1,982,266; Nov. 27.
Shade bracket. D. J. O'Brien. 1,982,532; Nov. 27.
Shaft rotating means. B. N. Morris. 1,982,395; Nov. 27.
Shaft rotating means for internal combustion engines. B. N. Morris. 1,982,394; Nov. 27.
Shaker, Cocktail. R. N. Kircher. Des. 93,928; Nov. 27.
Shaker, Salt. H. C. Gessler. 1,982,094; Nov. 27.
Sheet, Corrugated. G. E. Black. 1,982,243; Nov. 27.
Sheet treating machine and treating sheets. C. E. Hetzel. 1,982,302; Nov. 27.
Sheets, Method and apparatus for bending laminated. R. J. Nash. 1,982,447; Nov. 27.
Shelf, Attachable. J. Schimmelfeng. Des. 93,944; Nov. 27.
Shield for neon tubes. L. S. Steinbacher and R. W. Taylor. 1,982,552; Nov. 27.
Shielded resilient separator. W. M. Bailey. 1,982,411; Nov. 27.
Shirt, Collar attached. L. Manekin. 1,982,527; Nov. 27.
Shock absorber for motor vehicles, Hydropneumatic. L. R. Gruss. 1,982,471; Nov. 27.
Shoe. T. R. Atkins. Des. 93,905; Nov. 27.
Shoe. A. F. Bancroft. Des. 93,907; Nov. 27.
Shoe. B. Benjamin. Des. 93,908; Nov. 27.
Shoe. V. C. Lipscomb. Des. 93,935; Nov. 27.
Shoe. D. La Valle. Des. 93,930; Nov. 27.
Shoe and making same. A. J. Brauer and F. P. Wagner. 1,981,844; Nov. 27.
Shoe and making same. A. J. Brauer and F. P. Wagner. 1,981,900; Nov. 27.
Shoe finishing machine. S. A. Dobyne. 1,982,592; Nov. 27.
Shoe sewing machine. O. L. Lawson. 1,981,868; Nov. 27.
Shoe shank. A. D. Sebastiani. 1,982,357; Nov. 27.
Shower head. W. H. Darling. 1,981,948; Nov. 27.
Shower head. E. M. Reedy. 1,982,538; Nov. 27.
Side door hanger. E. I. Dodds, jr. 1,981,906; Nov. 27.
Signal: *See*—
Railway signal.
Sight for bows. U. Wilcox. 1,982,489; Nov. 27.
Sizing device for grinding machines. D. Gurney. 1,982,161; Nov. 27.
Slicing machine. A. M. Peters. 1,982,175; Nov. 27.
Smoking pipe. T. B. Powers. 1,982,583; Nov. 27.
Soap, Depilatory. E. Roth and L. Spirs. 1,982,268; Nov. 27.
Socket. J. A. Spencer. 1,982,077; Nov. 27.
Socket, Lamp. G. A. Johnson. 1,982,306; Nov. 27.
Sodium hydroxide from mixtures thereof with potassium hydroxide, Removing. C. J. Aydelotte, W. R. Caverly, and W. H. Wright. 1,982,241; Nov. 27.
Sole and operating thereon. F. E. Bertrand. 1,981,943; Nov. 27.
Sorting machine. G. Lowkrantz. 1,982,216; Nov. 27.
Sorting machine. L. Momon. 1,982,013; Nov. 27.
Spike for sport shoes. P. W. Bartel. 1,982,588; Nov. 27.
Spoon or similar article. W. S. Warren. Des. 93,955; Nov. 27.
Spring suspension for motor trunks. A. W. Scarratt and Reinoehl. 1,982,456; Nov. 27.
Spring suspension for six wheel vehicles. A. F. Masury. 1,982,115; Nov. 27.
Sprinkler, Illuminated lawn. G. E. Lundberg. 1,982,315; Nov. 27.
Stand: *See*—
Golf bag stand.
Starter, Engine. M. P. Whitney. 1,982,089; Nov. 27.
Starter mechanism. R. M. Nardone. 1,982,173; Nov. 27.
Steam cleaning and greasing of bearings, Apparatus for. J. E. Shepherd. 1,982,325; Nov. 27.
Steam jet pump. J. Garvie. 1,982,378; Nov. 27.
Steel, Valve. A. L. Goegehold and A. A. Peterson. 1,981,898; Nov. 27.
Stepladders, Automatic adjustment for. H. J. Myers. 1,982,172; Nov. 27.
Stock consistency indicating and regulating apparatus for pulp and paper making machines. R. Carpenter. 1,982,570; Nov. 27.
Stoker, Furnace. A. Christianson. 1,982,372; Nov. 27.
Stool, Folding. V. Gurbacki. 1,982,295; Nov. 27.
Stove structure. J. Teller. 1,981,972; Nov. 27.
Stripper and conveyer for carrier sheets. F. E. Flynn. 1,982,607; Nov. 27.
Stripping machine for folding box work, Automatic. A. Vernimb. 1,981,974; Nov. 27.
Subtracting device. H. A. Weinlich and U. Kölm. 1,981,977; Nov. 27.
Sulphamino-phenyl-methyl-pyrazolones. W. Hentrich and J. Hilger. 1,982,163; Nov. 27.
Support: *See*—
Arch support. Umbrella support.
Support for guard rails. J. O. Young. 1,982,092; Nov. 27.
Support for manicurists, Finger. K. H. Bergstrom. 1,982,589; Nov. 27.
Supporting means for car doors. K. J. Tobin. 1,982,270; Nov. 27.
Swatter, Fly. J. L. Bennett. Des. 93,909; Nov. 27.
Switch: *See*—
Control switch. Gas blast switch.
Electric switch. Thermal switch.
Flow switch. Thermostatic switch.
Switch. R. Ehrenfeld. 1,982,339; Nov. 27.
Switch. T. Fjellstedt., A. Alsaker, and W. O. Hampton. 1,981,996; Nov. 27.
Switch device. L. O. Parker and C. Woolbert. 1,981,967; Nov. 27.
Switch device for automobile signals. J. J. O'Donnell. 1,982,397; Nov. 27.
Table: *See*—
Folding ironing table.
Tabulating machine. H. L. Read. 1,982,020; Nov. 27.
Tabulating machine. W. Worden. 1,981,978; Nov. 27.
Telegraph system. E. W. Reeve. 1,982,022; Nov. 27.
Telephone system, Optical. N. R. French. 1,981,999; Nov. 27.
Television receiving apparatus. C. W. Becker. 1,981,942; Nov. 27.
Temperature control apparatus. C. Wilhjelm. Re19,383; Nov. 27.

Tensioning means for ticker tape. A. D. Eitzen. 1,981,858; Nov. 27.
Terminal connecting device for electrical conductors, Solderless. E. T. Hagist. 1,982,212; Nov. 27.
Tester for oil lines. F. W. Wotachek. 1,982,408; Nov. 27.
Textile fabric. G. F. Scholle. Des. 93,946–7; Nov. 27.
Textile fabric, Embroidered. M. F. Gantz. Des. 93,918; Nov. 27.
Textile fabric or similar article of manufacture. R. Harvey. Des. 93,922; Nov. 27.
Textile fabric or the like. A. W. Baldegger. Des. 93,906; Nov. 27.
Thermal relay. H. E. White. 1,982,335; Nov. 27.
Thermal switch. C. H. Stave. 1,982,548; Nov. 27.
Thermally actuable means for operating electric switches. D. W. Johnson. 1,982,521; Nov. 27.
Thermostatic control. J. A. Spencer. 1,982,078; Nov. 27.
Thermostatic switch. C. J. Werner. 1,981,933–4; Nov. 27.
Thread, Elastic. J. R. Gammeter. 1,982,208; Nov. 27.
Thread-treating device. H. S. Toole and J. W. Mitchell. 1,981,885; Nov. 27.
Tie plate. G. H. Werner. 1,982,239; Nov. 27.
Tile or blocks to walls, Attaching. H. S. Williams. 1,982,560; Nov. 27.
Tile, Roof. J. Ferreira and A. da Costa. 1,982,206; Nov. 27.
Time indicating device. A. E. Freel. 1,981,997; Nov. 27.
Tire bead and making the same. A. O. Abbott, jr. 1,981,893; Nov. 27.
Tire, Pneumatic. P. Daddio. 1,982,135; Nov. 27.
Toaster. R. W. Bond and O. A. Hokanson. 1,982,494; Nov. 27.
Tobacco can. W. H. G. Murray. 1,982,446; Nov. 27.
Tool: *See*—
Dental tool. Fluid operated hand tool.
Tool joint. I. C. Harris. 1,981,863; Nov. 27.
Torsion testing mechanism. R. B. Lewis. 1,981,960; Nov. 27.
Toy. M. L. Hungerford. 1,982,433; Nov. 27.
Toy aeroplane stabilizer. W. Meinert. 1,982,262; Nov. 27.
Toy basket ball game. H. N. Barnum. 1,982,491; Nov. 27.
Toy, Musical. L. R. Keller. 1,982,522; Nov. 27.
Track for vehicles, Endless. O. Drapal. 1,982,468; Nov. 27.
Tractor drive mechanism. E. A. Johnston. 1,982,436; Nov. 27.
Traffic control system. R. C. Hitchcock. 1,982,341; Nov. 27.
Traffic controlling apparatus, Railway. P. P. Stoker. 1,982,181; Nov. 27.
Transfer mechanism. R. L. Wilcox. 1,982,460; Nov. 27.
Transmission, Feed box. W. G. Hoelscher. 1,982,612; Nov. 27.
Transmission mechanism, Hydraulic. J. Bedford. 1,982,150; Nov. 27.
Traffic controlling apparatus, Railway. H. S. Young. 1,981,979; Nov. 27.
Trap: *See*—
Animal trap. Rodent trap.
Tray, Ash. C. Arthuber. 1,981,981; Nov. 27.
Treatment media to the living body, Apparatus for applying. P. Frank. 1,982,509; Nov. 27.
Treatment of the body with sprayed applications and the like, Apparatus for. P. Frank. 1,982,508; Nov. 27.
Trimming machine. C. G. Brostrom. 1,981,944; Nov. 27.
Trough, Sheet metal flume. A. C. Norton. 1,982,064; Nov. 27.
Truck, Lift. A. M. Barrett. 1,981,983; Nov. 27.
Tube: *See*—
Cathode ray tube.
Tubes by the push bench process, Manufacture of. F. A. Troxel. 1,981,930; Nov. 27.
Tubes, Method and machine for making corrugated. L. H. Brinkman. 1,982,369; Nov. 27.
Tubes, Producing flattened metal. L. E. Trembley. 1,982,362; Nov. 27.
Tuft cutter mechanism for Axminster carpet and like looms. E. J. Perry. 1,982,451; Nov. 27.
Tunnel liner. J. Kahn and H. E. White. 1,982,308; Nov. 27.
Tunnel lining. J. Kahn. 1,982,307; Nov. 27.
Turbine, Elastic fluid. A. Lysholm. 1,981,872; Nov. 27.
Turntable. A. McKone. 1,982,392; Nov. 27.
Type inserting mechanism for printing machines. M. J. Hoffman. 1,982,003; Nov. 27.
Typewriting machine. H. A. Avery. 1,981,982; Nov. 27.
Typographical casting machine. A. J. Stouges. 1,982,033; Nov. 27.
Typographical machine. L. M. Chapman. 1,981,845; Nov. 27.
Umbrella support. C. C. Harris. 1,982,097; Nov. 27.
Undergarment. A. D. Craig. Re19,380; Nov. 27.
Universal joint. E. F. Loweke. 1,982,441; Nov. 27.
Utensil, Electrical cooking. G. E. Atkinson. 1,982,410; Nov. 27.
Vacuum tube life meter. L. A. Gebhard and G. E. Jacobson. 1,981,860; Nov. 27.
Valve: *See*—
Control valve. Power saving valve.
Float valve.
Valve. W. Anderson. 1,982,189; Nov. 27.
Valve. M. Kauchack. 1,982,167; Nov. 27.
Valve for aeroplane engines. F. A. Thaheld. 1,982,126; Nov. 27.
Valve mechanism, Flush. J. L. Skuttle. 1,982,550; Nov. 27.
Vanity accessory, Handkerchief carrying. E. Gebhardt. 1,982,248; Nov. 27.
Vaporizer for gas engines. J. Woermann. 1,981,891; Nov. 27.
Vault, Burial. H. Cohen. Des. 93,911; Nov. 27.
Vehicle construction. J. R. Hughes. 1,982,105; Nov. 27.
Vehicle jacking device. R. L. Tweedale. 1,981,887; Nov. 27.
Vehicle, Temperature controlled. C. W. Spohr. 1,982,079; Nov. 27.
Vehicle, Track laying. H. A. Knox and B. F. Baker. 1,981,867; Nov. 27.
Vehicle wheel. J. F. Duby. 1,982,377; Nov. 27.
Vehicle wheel. J. H. Hunt. 1,982,106; Nov. 27.
Vehicle wheel. S. and N. Kroll. 1,982,309; Nov. 27.
Vending machine. C. R. Simpkins. 1,982,236; Nov. 27.
Vending machine, Coin controlled. F. H. and R. A. Vogel. 1,981,931; Nov. 27.
Vending machine, Coin-controlled. F. H. and R. A. Vogel. 1,982,273; Nov. 27.
Vending machine, Coin controlled. R. A. Vogel. 1,982,274; Nov. 27.
Ventilator: *See*—
Windshield and window ventilator.
Wader pad. J. D. Frazey. 1,982,510; Nov. 27.
Waffle iron grid. P. A. Eyrick. Des. 93,917; Nov. 27.
Wall bracket lamp. E. Kanter. Des. 93,925–7; Nov. 27.
Wall construction. H. Holdsworth. 1,982,104; Nov. 27.
Warp pile fabric. R. Lorthiois. 1,982,171; Nov. 27.
Warping apparatus. J. E. Fite. 1,982,507; Nov. 27.
Washer: *See*—
Lock washer. Window washer.
Washing machine. E. Davis. 1,982,499; Nov. 27.
Water filter. R. G. Camp. Des. 93,910; Nov. 27.
Water tube boiler. W. A. Jones. 1,981,865; Nov. 27.
Weed-cutter in connection with potato-diggers. O. Werner. 1,982,240; Nov. 27.
Weft replenishing mechanism for automatic looms. A. A. Gordon. 1,982,249; Nov. 27.
Welding apparatus, Arc. L. R. Smith. 1,982,327; Nov. 27.
Welding machine, Electric. H. J. Burnish. 1,982,496; Nov. 27.
Welding system, Arc. J. T. Catlett. 1,982,371; Nov. 27.
Welt tempering mechanism for shoe sewing machines. F. Ashworth. 1,981,940; Nov. 27.
Wheel: *See*—
Car wheel. Vehicle wheel.
Wheel. C. L. Eksergian and T. A. Davenport. Des. 93,915; Nov. 27.
Wheel. F. C. Frank. 1,981,953; Nov. 27.
Whiskey, Aging and coloring. S. C. Miller. 1,981,873; Nov. 27.
Window. J. D. Phillips. 1,982,351; Nov. 27.
Window channel. C. F. Schlegel. 1,982,074; Nov. 27.
Window control, Automatic. F. H. Rowe. 1,982,353; Nov. 27.
Window screen, Car. T. T. Sansbury. 1,982,455; Nov. 27.
Window washer. J. B. Kirby. 1,982,345; Nov. 27.
Windshield and window ventilator. B. P. Davis. 1,982,591; Nov. 27.
Wing structure. G. M. Bellanca. 1,982,242; Nov. 27.
Wire and making the same, Insulated. R. R. Evans. 1,982,288; Nov. 27.
Word printing mechanism. J. W. Bryce. 1,981,987; Nov. 27.
Work clamping means. R. F. Whitney and F. D. Clement. 1,981,936; Nov. 27.
Wrench. N. R. Rivers. 1,982,070; Nov. 27.
Yarn and manufacture of the same. J. Morton. 1,982,014; Nov. 27.
Yarn printing machine. J. D. Kreis. 1,982,346; Nov. 27.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 27, 1934

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Patents Granted	50
Designs	252

November 6, 1934

Trade-Marks	243—No.	318,753 to No.	318,995, inclusive.
T.M. Renewals	10		
Labels	20—No	44,602 to No.	44,621, inclusive.
Prints	13—No.	14,901 to No.	14,913, inclusive.
Reissues	10—No.	19,359 to No.	19,368, inclusive.
Patents	919—No.	1,979,240 to No.	1,980,159, inclusive.
Designs	51—No.	93,755 to No.	93,805, inclusive.
Total	1,266		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,830,948, F. A. Kolster, Radio receiving system, decided September 11, 1934, claims 1, 2, 3, 4, 5, 6, and 11.

Pat. 1,894,780, R. V. Morse, Pneumatic valve, decided September 24, 1934, claims 2 and 3.

Pat. 1,901,236, W. J. Guild, Grinding machine, decided September 22, 1934, claim 1.

Pat. 1,905,090, R. G. Griffith, Clutch mechanism, decided October 16, 1934, claim 2.

Pat. 1,907,132, G. M. Thurston, Constant frequency system, decided October 13, 1934, claims 5, 8, and 16.

Pat. 1,940,834, W. H. Apthorpe, Controller, decided October 13, 1934, claims 2, 9, and 10.

Classification Bulletin No. 66

Classification Bulletin No. 66, containing changes in classification from January 1 to June 30, 1934, is now on sale for 10 cents per copy at the Patent Office.

Adjudicated Patents

(C. C. A. 1nd.) Rodman patent, No. 1,279,160, for carburizing material, claims 1 to 4, 7 and 8, *Held* invalid. *Rodman Chemical Co.* v. *Char Products Co.*, 72 F.(2d) 348.

(C. C. A. N. Y.) Hill patent, No. 1,526,982, for stencil sheet, claim 10, *Held* valid and infringed by stencil sheet containing nitrocellulose, but not infringed by stencil sheet containing gelatin. *A. B. Dick Co.* v. *Duplicating Machine & Supply Corporation*, 72 F.(2d) 268.

(C. C. A. N. Y.) Jones patent, No. 1,620,061, for radio-frequency amplifying system, claims 5, 6, and 7, *Held* not infringed. *Technidyne Corporation* v. *McPhilben-Keator, Inc.*, 72 F.(2d) 242.

(C. C. A. N. Y.) Jones patent, No. 1,673,287, for electron-discharge-tube amplifier system, *Held* invalid. Id.

(C. C. A. N. Y.) Boulne patent, No. 1,696,263, for radio apparatus, *Held* invalid. Id.

(D. C. N. J.) Smith patent, No. 1,755,414, for parachute pack, claim 6, *Held* invalid. *Irving Air Chute Co.* v. *Switlik Parachute & Equipment Co.*, 7 F. Supp. 401.

(D. C. N. J.) Irvin patent, No. 1,758,795, for parachute-rip-cord construction, *Held* valid and infringed. Id.

(C. C. A. N. Y.) Jones patent, No. 1,770,525, for radio receiving apparatus, *Held* invalid. *Technidyne Corporation* v. *McPhilben-Keator, Inc.*, 72 F.(2d) 242.

(C. C. A. N. Y.) Jones patent, No. 1,779,881, for amplifier, claims 1, 10, 17, and 19, *Held* invalid. Id.

(D. C. N. J.) Adams patent, No. 1,780,104, for parachute and pack therefor, *Held* invalid, or, if valid, not infringed. *Irving Air Chute Co.* v. *Switlik Parachute & Equipment Co.*, 7 F. Supp. 401.

(C. C. A. N. Y.) Jones patent, No. 1,788,197, for radiofrequency circuits, claims 1, 5, 8, 18, 21 and 26, *Held* invalid. *Technidyne Corporation* v. *McPhilben-Keator, Inc.*, 72 F.(2d) 242.

(C. C. A. N. Y.) Jones patent, No. 1,791,030, for radio receiving system, *Held* invalid. Id.

(D. C. N. Y.) Esdorn patent, No. 1,902,769, for store fixture display moulding, *Held* invalid, but, if valid, not infringed. *Esdorn* v. *Brooklyn Moulding Co.* 7 F. Supp. 707.

(C. C. A. N. Y.) Jones reissue patent, No. 17,915, for radiofrequency amplifying system, *Held* invalid. *Technidyne Corporation* v. *McPhilben-Keator, Inc.*, 72 F.(2d) 242.

(D. C. La.) Dodds reissue patent, No. 18,975, for sample taking device, *Held* infringed. *Reed Roller Bit Co.* v. *Brewster Co.* 7 F. Supp. 725.

Condition of Applications Under Examination at Close of Business October 20, 1934

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,844; Trade-Mark Division, 956. Oldest new case, May 20, 1934; oldest amended, May 20, 1934.

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 21	Aug. 6	421
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Aug. 3	Aug. 7	527
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 20	July 20	630
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Aug. 14	July 26	290
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	July 24	Aug. 2	500
4898 C	6. LEWERS, A. M., Carbon Chemistry	July 12	July 5	928
5725	7. JARBOE, C. G., Optics; Photography	July 24	July 24	711
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 14	Aug. 18	294
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 9	388
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	July 13	July 13	425
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 22	June 21	585
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	June 23	June 23	549
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 3	Aug. 1	425
5007	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 9	June 29	464
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 23	July 23	783
5612	16. SPENCER, C. J., Telegraphy; Telephony	July 20	July 20	503
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 30	June 26	790
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 20	Aug. 20	310
4006	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 5	July 2	638
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	July 30	Aug. 4	264
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 3	July 5	647
5724	22. RINGLE, D., Aeronantics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	July 2	July 2	858
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	May 26	May 22	493
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 23	July 20	508
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 5	July 5	601
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Aug. 8	Aug. 7	299
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	July 20	July 20	456
4628	28. BENSON, A. R., Internal-Combustion Engines	July 16	July 15	507
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	July 20	July 20	568
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 20	July 20	538
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	June 22	June 27	845
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	July 24	July 23	314
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	June 25	June 20	764
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	May 20	May 20	903
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	July 2	July 2	697
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	June 21	June 21	538
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	June 19	June 29	640
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	July 2	July 5	521
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 20	July 28	615
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 6	July 6	880
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	July 26	July 25	546
5882	42. CUTTING, H. O., Electric Signaling	June 23	June 20	784
4886 B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	June 8	June 8	748
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	June 21	June 20	762
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Aug. 2	July 23	394
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Aug. 1	Aug. 2	364
7600	47. BARKER, H., Clutches; Brakes	July 16	July 16	792
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	June 26	June 26	541
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 20	June 20	686
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	June 20	June 20	800
5628	51. BACKUS, C. D., Radiant Energy	Aug. 3	Aug. 3	587
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	July 20	July 28	671
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 23	Aug. 1	514
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	July 10	July 10	688
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Aug. 21	Aug. 22	294
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	June 26	June 26	802
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Aug. 10	Aug. 6	263
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 25	Aug. 3	370
4709	59. RICHARD, V. L., Chemistry; Fertilizers	June 7	June 12	716
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	June 21	June 26	593
6724	61. PARKS, G. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus	July 28	July 23	267
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	July 21	July 20	669
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	June 29	June 29	556
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	July 20	July 20	855
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 22	June 22	536
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND. (Trade-Marks	Sept. 20	Oct. 10	763
	(Labels and Prints	Oct. 1	Oct. 5	103
2005	Designs, H. H. KALUPY (Act.)	Sept. 19	Oct. 3	429

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

Payne v. Hurley

No. 3,310. Decided June 18, 1934

[71 F.(2d) 208]

1. Interference—Priority—Reduction to Practice.

Evidence reviewed and *Held* insufficient to establish that P. reduced the invention to practice since the evidence does not show that the spark plug here involved was tested under working conditions.

2. Same—Same.

Priority *Held* properly awarded to H. on the ground that P. was the first inventor and had not reduced the invention to practice prior to H's. filing date and was lacking in diligence thereafter.

Appeal from the Patent Office. Affirmed.

Mr. Harry A. Yerkes, Jr., and *Mr. Lee B. Kemon* for Payne.

Mr. Border Bowman and *Messrs. Nathan, Bowman & Helferich* for Hurley.

Graham, *P. J.:*

An interference was declared between a patent issued to the appellant, Hugh F. Payne, No. 1,793,130, issued upon an application, No. 448,893, filed May 1, 1930, and an application of the appellee, Roy T. Hurley, Serial No. 435,461, filed March 13 1930, for a similar invention.

The subject matter of the invention is expressed in one count which is as follows:

In a spark plug, the combination of a body piece having a central opening, a metallic quill passing through said opening, an insulating sleeve surrounding the quill, and a central metallic spindle driven into the quill so as to expand the same to rip the insulating sleeve against the surrounding surface of the opening in the body piece.

The Examiner of Interferences awarded priority of the subject matter in controversy to the senior party, Hurley, which decision was afterwards affirmed by the Board of Appeals, and from which latter decision Payne has appealed.

The Examiner of Interferences made a finding of conception by Payne in 1927, but of no reduction to practice by him until his constructive reduction to practice on May 1, 1930. He further found that there had not been diligence by the party Payne from the time of filing of Hurley's application on March 13, 1930, until the filing of the Payne application on May 1, 1930.

The Examiner was also of the opinion that Payne's work on his alleged invention was an abandoned experiment. The Board of Appeals expressed the same views as the Examiner of Interferences as to conception and reduction to practice, but concluded that it was unnecessary to pass upon the question of whether Payne's work did or did not amount to an abandoned experiment.

The issue was simplified somewhat before the Board of Appeals in that the party Payne did not there allege error in the finding of the Examiner of lack of diligence from the time of Hurley's application to that of his own application.

In this court the issue is the same. But one question is argued by counsel, namely, was the invention which Payne conceived in 1927 reduced to practice by him at that time? It is conceded that if it was not so reduced to practice he did not exercise proper diligence during the period between the two applications. Some showing is made that during 1928 a drawing was made, but there is no serious contention that this has any bearing on the issues.

The subject matter of the invention was a spark plug, and the sole question is, were the tests used by the party Payne and his co-workers sufficient to establish a reduction to practice? All the tests which were made, and upon which the party Payne relied, were made at or about the time of the construction of a complete plug by Payne and his helpers in 1927.

The party Payne was employed by the Brewster-Goldsmith Corporation on March 1, 1927, to be in charge of experimental work. This corporation was, and had been for some time, engaged in the manufacture of mica spark plugs for automobiles and aeroplanes, about 95 per cent of its production being for aviation work. It was desired to produce an improved radio shielded spark plug, principally for use in aeroplanes, and Payne undertook such work. The plugs previously sold by this company, designated as "Midget" and "Hornet" models, had been manufactured and used, but it was desired to improve them. The testimony shows quite clearly that Payne, between March 1 and May 1, 1927, conceived and caused to be made a spark plug embodying the principles and structure afterwards disclosed in Payne's patent here in issue. The work was done by one of Payne's mechanics, John Falk, in the works of the Brewster-Goldsmith Corporation. Corroboration of the making of this plug is furnished by Falk, Dillner, supervising foreman, and Paulson, chief engineer, of the corporation.

The Payne plug was constructed upon the principles embodied in the count of the issue here. In its construction, a central spindle with two diameters, one illustrative form having a diameter at one end of .125 of an inch and .133 of an inch at the other end, is driven or forced by pressure into a copper cylinder or quill, so that it fits snugly, and in a manner intended to be gasproof. The quill is enclosed by an insulating sleeve of mica rolled up, commonly alluded to as a cigarette, and the spindle thus enclosed is, in turn, enclosed in a structure consisting of a bushing and insulating portions of built-up mica plates. The sparking between the electrodes is within the base of the plug in an opening or recess thereof intended for a shield.

The witness Paulson testified that he directed Payne to test the model plugs out experimentally, and Payne testified that he did so. Part of his testimony on this subject was as follows:

Q. 48. Will you now please describe the tests that were made? A. The tests were in the nature of laboratory tests and consisted of testing the spark plug for sparking under air pressure. Further tests were made to determine the air leakage of the spark plug. Tests

were also made to determine the effect of repeated heating and cooling to see if this had any influence upon the loosening of the components of the spark plug.

Q. 49. Can you amplify your answer by stating of what the tests consisted? A. For testing the spark plugs for sparking under air pressure, a testing bomb of well-known construction was used. The plugs are screwed into a pressure chamber and subjected to 100 pounds air pressure in this particular test. Then current from a magneto is passed through the spark plug. The test for air leakage consists of applying air pressure to the open end of the spark plug while the plug is immersed in water. The heating and cooling tests are made by alternately heating the plug in a gas flame and permitting it to cool.

Q. 50. What can you say as to the result of the tests? A. Being experimental plugs, a certain percentage were defective, but on the whole the tests were satisfactory.

It is admitted that these were the only tests which were applied to the plugs in question. No attempt was made to put them in an engine or to operate them under ordinary working conditions in such an engine. The witness Falk testified that he tested these plugs as follows:

Q. 34. Will you please describe the tests you made? A. We have a fixture that you set the plug into; if the plug is dead, there will be no spark; if it is alive, it will jump. That is the only test.

Q. 35. Can you state to the best of your recollection when you made that test? A. That is pretty hard. As soon as I finished a plug, I tested it and turned it over.

Q. 36. How many plugs did you test that way, do you recall? A. I tested two plugs.

Q. 37. Two complete? A. Two complete units.

Q. 38. And what was the result of the test? A. All right.

Q. 39. Was the test that was made the usual test made by the B. G. Corporation of its spark plugs? A. Yes.

The witness Dillner testified that he was present at the time of the testing,

but paid no attention. Mr. Payne was new and it was his idea.

Again, he stated:

I saw Mr. Payne test the models, but what the result was I couldn't say.

We find no other testimony in the record which might be relied upon as proof of the testing of these plugs. From the time this work was done until the party Payne filed his application in May, 1930, we find nothing in the record which shows any further attempt to reduce the subject matter of this invention to practice, or which tends to show any further work of any kind upon this invention.

Counsel for the appellee contends that what Payne did in the way of tests, as heretofore recited, is not sufficient to establish a complete reduction to practice; that a spark plug, especially of the construction of that here involved, must be tested under actual working conditions in an engine, and that shop or laboratory tests, such as were used by Payne, are not sufficient. On the other hand, counsel for the appellant as vigorously argue that a spark plug is of simple construction; that the tests imposed were the usual ones used by the trade, and that they were sufficient to establish reduction to practice.

In this connection the witness, Edward V. Lobus, called by the appellee, a mechanic skilled in the art of making spark plugs, testified that in his experience spark plugs which had satisfactorily passed bench tests were often found to be defective on engine tests. The witness Du Bois, experimental engineer, testified that a shop test was not sufficient, stating, in part, as follows:

* * * The actual operation of the plug in an engine imposes a combination of mechanical, electrical, and thermal stresses upon it, which, to my knowledge, have never been duplicated in the so-called bench tests. The presence in the fuels marketed today of such compounds as tetraethyl lead give rise to deposits of lead bromide and other chemical compounds on the spark plug which are considered by many to be damaging in their effect upon the plug.

The party Hurley also testified that shop tests were not sufficient for spark plugs, and that frequently plugs which would test satisfactorily in bench tests would not be satisfactory in an engine. Payne, himself, indicated some doubt as to the sufficiency of the test, which is shown by the following question and answer:

Q. 51. Well, can you describe in more detail what you mean by the term "satisfactory?" A. By "satisfactory" I mean that the plugs gave every indication that they would be suitable for use in an internal-combustion engine as well as can be established by laboratory tests, which tests followed the same routine as the regular producton tests used in the factory.

We are convinced that the Board of Appeals was not in error in finding, upon this record, that the party Payne had not proven actual reduction to practice prior to his filing date. The spark plug which he had invented was not such a device as can be conclusively presumed to be operable by an inspection of it or by tests other than that of actual operation under ordinary working conditions. The products which are ordinarily held to be successfully reduced to practice, without an actual test under working conditions, are oftentimes in the chemical field. This was true in *Corona Co.* v. *Devan Corp.* 276 U. S. 358, 383, 370 O. G. 1011, and in *Wietzel* v. *Lacy*, 17 C. C. P. A. (Patents) 943, 39 F.(2d) 672, 396 O. G. 523. In the *Corona case* the Supreme Court, quoting Walker on Patents, Par. 141(a), said:

* * * A process is reduced to practice when it is successfully performed. A machine is reduced to practice when it is assembled, adjusted and used. A manufacture is reduced to practice when it is completely manufactured. A composition of matter is reduced to practice when it is completely composed.

In some cases of simple inventions it has been held that the mere construction of the article demonstrates its operability and that no test under actual working conditions is required. *Wilcox* v. *Danner*, 19 C. C. P. A. (Patents) 802, 53 F.(2d) 711, 417 O. G. 3; *Buchanan* v. *Lademann*, 19 C. C. P. A. (Patents) 836, 54 F.(2d) 425, 417 O. G. 273; *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147; *Couch* v. *Barnett*, 23 App. D. C. 446, 110 O. G. 1431; *Schartow* v. *Schleicher*, 35 App. D. C. 347, 156 O. G. 800; *Gatsman* v. *Gillette*, 36 App. D. C. 440, 165 O. G. 244.

We held, in *Brydle* v. *Honigbaum*, 19 C. C. P. A. (Patents) 773, 54 F.(2d) 147, 415 O. G. 755, that the construction of a panel of asbestos shingles was a sufficient reduction to practice of the shingles. In that particular case the panel had been constructed and fastened upon the outside of a warehouse in a sloping position similar to that of a roof. Inasmuch as similar shingles had been long used, and their composition and wearing ability were well known in the art, this court was of the opinion no further reduction to practice was necessary.

[1] However, the spark plugs here involved are not in the same class. They were of a comparatively new type and when in use are exposed to working conditions which place a most severe strain upon them. These plugs, it is shown, must have spindles of sufficient compression strength not to lose

their shape under combustion conditions. They must be capable of withstanding the high temperatures and pressures in the cylinders of automobile and aeroplane engines. They must have a gas-tight seal and complete electrical insulation. The plugs were small in size, and hence additional care was required to be used to secure their safe construction. Especially was this true when such plugs were used in the engines of aeroplanes. The testimony of the witnesses shows, and we think it apparent from the facts presented by the record, that no manufacturer of automobiles or aeroplanes would use spark plugs which had been subjected only to bench or shop tests and which had never been used under actual working conditions. Many cases might be cited in which the courts have expressed their views that inventions must be reduced to practice by subjection to actual working conditions. A few only are noted:

This court, in *James* v. *Stimson*, 18 C. C. P. A. (Patents) 1255, 49 F.(2d) 493, 411 O. G. 3, held that a highway danger signal, consisting of a device with reflecting surfaces adapted to catch and reflect the rays of light from automobile headlights, must be tested upon a highway, under actual working conditions, to be reduced to practice.

In *Barclay* v. *Schuler*, 41 App. D. C. 250, 199 O. G. 309, a wire garment stay formed of a single wire bent in alternately progressive loops, adapted to be used in the manufacture of a corset, was held to necessarily require a test under actual working conditions.

In *Jobski* v. *Johnson*, 47 App. D. C. 230, 247 O. G. 479, a device, part of a means used in retaining an automobile tire on its rim, was held not to be sufficiently tested by shop tests, but must be tested by use upon a car in motion.

In *Fageol* v. *Lyon*, 53 App. D. C. 361, 290 Fed. 336, 314 O. G. 178, the court held, speaking through Smith, Judge, of this court, that certain hook bolts used to secure a bumper to an automobile frame were not sufficiently tested by pulling and jerking the bumper, but must be tested upon the road, where they would be subjected to the strains occasioned by the inequalities and conditions of the road.

The same court, in *Crabbs* v. *Wardell*, 57 App. D. C. 241, 19 F.(2d) 715, 365 O. G. 235, in an opinion by Martin, Chief Justice, formerly of this court, held that an invention of prepared roofing, involving a combination of asbestos and cattle hair, impregnated with an asphaltic waterproofing compound, must be tested by experimentation under varying weather conditions in order that it be successfully reduced to practice.

Our most recent expression on this subject is found in *Fink* v. *Humel*, 21 C. C. P. A. (Patents) ——, 70 F.(2d) 115, in which we held that a metal strip for use in laying a terrazzo floor was reduced to practice only by use under actual working conditions.

[2] We are of opinion that the party Payne has shown no actual reduction to practice. There being no contention that he exercised diligence during the critical period after Hurley's filing, it follows that the party Hurley was properly awarded priority. The other questions raised before the Patent Office tribunals, not being necessary to a decision here, will not be discussed.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

BEATIE *v.* POLLOCK

No. 3,220. Decided June 12, 1934

INTERFERENCE—PRIORITY—RIGHT TO MAKE THE CLAIMS. Record reviewed and *Held* that B. cannot make the claims in issue and is therefore not entitled to the award of priority.

APPEAL from the Patent Office. Affirmed.

Mr. Edmund G. Borden and *Mr. J. Austin Stone* for Beatie.

Mr. Charles M. Thomas and *Mr. James P. Burns* for Pollock.

GRAHAM, *P. J.*:

An interference proceeding was instituted in the United States Patent Office between the application of Cecil E. Beatie, No. 400,531, filed July 31, 1920, and the patent of the appellee, Robert T. Pollock, 1,783,259, issued December 2, 1930, on an application filed November 14, 1929. The subject matter of the interference was expressed in two counts, which are as follows:

1. The process of converting heavy hydrocarbon oils into oils of lower boiling point which comprises subjecting oil to a cracking temperature and pressure in a pressure zone, separating the high boiling fraction of the evolved vapors from the low boiling fractions in the form of a condensate, then subjecting the condensate while still hot to increased cracking temperature and pressure, simultaneously distilling another independent body of oil, separating the evolved vapors according to their boiling points, and co-mingling the condensate thus formed with the oil in one of the pressure zones.

2. The process of converting heavy hydrocarbons into oils of low boiling point which comprises subjecting oil to a temperature and pressure sufficient to effect cracking thereof, separating the high boiling fractions of the evolved vapors from the low boiling fractions in the form of condensate, forcing the condensate so separated into a succeeding zone for further cracking at an increased temperature and pressure, and mixing with the condensate an additional charge of preliminarily treated oil substantially lighter than said oil initially subjected to temperature and pressure sufficient to effect cracking thereof and obtained from a source other than said evolved vapors.

The counts of the interference correspond to claims 1 and 4 of said Pollock patent. Pollock was previously in interference with an earlier issued patent to Gray, No. 1,724,760, issued August 13, 1929. Count 1 of this interference did not originate with Pollock, but was claim 1 of the Gray patent, was copied by Pollock and became claim 1 of the Pollock patent. Gray disclaimed said claim 1 on November 10, 1931, through his assignee, the Texas Company, and an award of priority was made to Pollock of the subject matter of said Gray-Pollock interference. Claim 4 was originally paralleled by claim 6 of the Gray patent, but was afterward changed by amendment, in the prosecution of the Pollock application.

A motion was made by Pollock to dissolve the interference on the grounds that the application of

the party Beatie fails to support the counts, and that said application is inoperative in disclosure to carry out the process defined by the counts. The Examiner of Interferences, after an exhaustive discussion of the matter, denied the motion. Pollock electing not to take testimony priority was duly awarded to Beatie on both counts. On appeal the Board of Appeals reversed the decision of the Examiner of Interferences, and priority was awarded to Pollock, from which decision the party Beatie has appealed.

The subject matter of the interference consists of a process of converting heavy hydrocarbon oils into oils of lower-boiling point by heat and pressure, and is, generally speaking, carried out by subjecting such oils and their distillates to treatment in a succession of cracking units.

The Beatie disclosure, which was held by the Board of Appeals to not support the counts of the interference, is shown by the drawings and specification to include three units, each comprising a cracking coil, a separating chamber, and a dephlegmator. Crude oil is forced into a pipe still where it is subjected to cracking heat and pressure. The highly heated products from the coil are led to a vapor-liquid separating chamber. Vapors are drawn from this separator into a dephlegmator, in which a reflux condensate is produced therefrom. The uncondensed low-boiling point vapors from this dephlegmator are condensed in a final condenser and withdrawn. The liquid from this vapor-liquid separating chamber is withdrawn and fed into a second pipe still where it is subjected to a lower temperature and pressure. The products from this still go to another vapor-liquid separating chamber, from which the vapors go to a second dephlegmator. The liquid portion of this distillate is withdrawn, and is fed to a third coil still where lower temperature and pressure is maintained. The reflux condensate from this second still is withdrawn and is conducted back to the first still in which the highest temperature and pressure are maintained. In the third still, the remaining oil or result of the previous processes is subjected to a lower cracking temperature, and the heated products go to a third liquid-vapor separator, the liquid content thereof being withdrawn and taken out of the system. The vapor from this separator goes into a third dephlegmator, where a reflux condensate is produced, which is pumped, together with liquids from the first still, into the second still of the system. The light or gasoline content from the third dephlegmator is condensed and withdrawn from the system.

It will thus be seen that Beatie shows a system by which he takes the crude oil, subjects it to a high temperature and pressure, and in succeeding processes subjects the residue of this oil to succeeding lower temperatures and pressures. The reflux condensate is treated by withdrawing it and feeding it backward through the system so that it is successively treated with higher temperatures and pressures.

There has been much discussion in this case as to the method of operation of the Pollock process and the process of the appellant Beatie. A reference to the Beatie application leaves no doubt in the mind as to the nature of his disclosure. This disclosure is, in brief, as stated by him:

> Another object of the invention is to provide a process of cracking oil in stages in which the residuum oil from one stage advances to a succeeding stage for treatment at a lower temperature and heavier condensates of vapors formed in one stage advance to a preceding stage or in a direction countercurrent to the advance of the residuum.

Again, he states:

> Another object of the invention is to provide a process of cracking oil in stages by which the carbon which is formed in each of the stages is continuously and progressively carried forward through the stages to the point of discharge by a stream of fresh incoming oil advancing successively through the stages.
>
> • • • • • • • •
>
> All of the free carbon formed in the cracking operation is carried forward continuously with the main body of the oil and is discharged with the residuum from the separator of the third stage converter, which converter is maintained at the lowest temperature.
>
> • • • • • • • •
>
> Any oil which has not been vaporized in any of the various stages never goes through the same cracking or heating elements twice and therefore the length of the time in which any particular portion of the oil remains under treatment may be accurately controlled to prevent the oil from reaching the "fatigue" stage or a point where it will be broken down with an excess formation of carbon.

In attempting to read the counts of the interference upon Beatie's disclosure, counsel have treated the third still as the initial step in the process, and by means of which it is said the counts will read upon the disclosed process. This was the method also adopted by the Examiner of Interferences. It is also argued by counsel for appellant that if the intermediate still of the system be used as the initiation of the process the counts will then read upon the disclosure. However, it is quite apparent from the drawings and disclosure and flow map of the applicant Beatie, that he has not disclosed any such method of operation. The method he has declared and plainly shown is a progressive one, starting with heavy hydrocarbon oils as is specified in the count, and proceeding through the succeeding stages of his cracking and separating processes. It can hardly be said that, contrary to his method as outlined in his specification, he may now adopt a different method and so change the same that it might, when so changed, read upon the counts of the interference.

It is argued by counsel that this method was the method adopted by Pollock, and that inasmuch as these counts have been held patentable to Pollock, therefore, in a broad construction of the counts, these counts should be likewise read upon the disclosure of Pollock. Pollock shows a succession of cracking units through which the crude oil is taken step by step. Pollock's theory and disclosure was to subject not only the residuum but his reflux condensate to processes in successively higher temperatures and pressures.

Rule 122 of the United States Patent Office gave the party Beatie the right, in this interference, to make a motion to dissolve if he was of the opinion that the party Pollock had not disclosed the subject matter of the counts of the interference. This he did not do. While there is doubt in the minds of the court as to the disclosure of Pollock being sufficient for the purposes of this interference, that matter has not been raised by the party Beatie, and this court may not now pass upon the same. While it may produce unfortunate results, our only function is to pass upon the correctness of the decision of the Board of Appeals in which it held that the Beatie application did not support the counts of this interference. The question of the validity of the claims of the Pollock patent from which the counts of this interference are taken is a matter not here involved.

This brings us to a consideration of the counts in issue. Parenthetically, it may be noted that count 1 came primarily from the disclosure of the Gray patent. In that patent there was a clear disclosure of an independent body of oil in a still 44, which was a part of the system. This was Gray's preferred process. However, in his application, he showed an alternative process which did not contain the independent body of oil and still. It was upon this alternative process that the party Pollock was able to make the claim which is now count 1 of this interference. From that time to this, the confusion which has arisen has arisen largely from the preferred, and not from the alternative disclosure of Gray, which preferred disclosure has never been shown by either Pollock or Beatie, so far as this record shows.

It will be observed that count 1 of this interference recites, among other things,

> simultaneously distilling another independent body of oil.

This, as has been said, descended from the preferred Gray disclosure, and is not present in the Beatie application. There is no independent body of oil in the system. All are dependent upon each other, and, after the first treatment in the first still, succeeding processes are concerned with the products of the first distillation and not with "heavy hydrocarbon oils", which, as we view the matter, must refer to the crude oils which are the material used in the initiation of the process.

The Board of Appeals recognized that in this respect the party Pollock made no better showing than did the applicant Beatie. This, however, is not now before us for consideration, and is not to be taken as a reason why this applicant may make a count which his disclosure will not support.

The language of the second count, which was thought by the Board of Appeals to not read upon the disclosure of Beatie, was the following:

> • • • and mixing with the condensate an additional charge of preliminarily treated oil substantially lighter than said oil initially subjected to temperature and pressure sufficient to effect cracking thereof and obtained from a source other than said evolved vapors.

It was thought by the Board of Appeals that the Beatie application did not show that the condensate was mixed with preliminarily treated oil substantially lighter than oil. In arriving at this conclusion the Board said:

> In passing on this count the Examiner of Interferences discusses the disclosed operation of Beatie's apparatus in which residual oil from pressure zone 22 is mixed in surge tank 56 with the condensate from tower 114. The condensate from tower 114 satisfies the requirements of the count as to the low boiling condensate first referred to. The residual oil from pressure zone 22 is a preliminarily treated oil obtained from a source other than said evolved vapors but in our opinion it is not a substantially lighter oil than the stock treated in pipe still 102 as this oil is made up, not only of residuum from the second cracking coil, but also of condensate from tower 34. The probabilities are that the stock thus formed would be as light or lighter than the mixture in surge tank 56. The Examiner also states that condensate from tower 74 may be sent to this surge tank 56 and also that the oil passing to still 104 may be a mixture of residual oil from still 64 and the heavy condensate from tower 34 or that it may alternatively be only residual oil from still 64. This is within the possibility of the apparatus disclosure but the Beatie specification as originally filed describes no such operation of his apparatus. Beatie does provide alternative paths for his reflux condensate but he discloses nothing of how these alternative paths are to be utilized in any working process. They could doubtless be used in various ways, one or more of which would satisfy the requirements of count 2. However we believe it well settled that an apparatus which is merely capable of carrying out a process constitutes no satisfactory disclosure of a process itself such as would warrant the rejection of claims or the making thereof.

We find ourselves in agreement with this statement. Counsel for Beatie argues that by treating his third still as the first process in the series, or by using his second still as his first process, the process will give the results called for in the count. However, as we have seen, there is no justification for considering the process in this light. The whole disclosure of Beatie should be considered in the light in which it was made, and, when so considered, it calls for an orderly process of successive steps, which is not at all met by a selection of units by which the action is reversed or greatly modified.

We are of opinion that the counts of the interference do not read on the Beatie disclosure, and the decision of the Board of Appeals is, therefore, affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE REEVES

No. 3,286. Decided June 12, 1934

[71 F.(2d) 195]

PATENTABILITY—APPARATUS FOR PRODUCING MOTION PICTURES.

Claims relating to the production of motion pictures of real objects combined with picture projected on a screen *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Edgar J. Clarkson, *Mr. Charles E. Riordon*, and *Mr. C. Russell Riordon* for Reeves.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

All the claims of appellant's application for a patent relating to the production of composite motion-picture films were rejected by the Primary Examiner of the United States Patent Office, which rejection was affirmed by the Board of Appeals. From the decision of the Board of Appeals appellant has appealed to this court.

Claims 12 and 14 are illustrative and follow:

> 12. In apparatus for producing motion pictures of real objects combined with a picture projected on a screen, an opaque reflecting screen, a motion picture projector for displaying scenes thereon positioned in front of the screen and to one side thereof, a motion picture camera positioned in front of the screen to photograph the scenes as displayed on the screen and real objects or persons between the screen and camera, said real objects being positioned between the camera and the path of the rays from the projector, the position of the projector being such that the path of the light rays therefrom passes to the screen uninterrupted by the real objects or persons.
>
> 14. Mechanism for producing motion picture films comprising real objects, said mechanism including an opaque

reflecting screen, a motion picture projector adapted to display motion pictures on said screen, a motion picture camera adapted to photograph the scenes on the screen as displayed and real objects intermediate the camera and screen and out of the path of the light rays passing from the projector to the screen, said camera and projector being synchronized and both being in front of the plane of the screen with the projector spaced from the camera at such distance that rays from the projector will pass to the screen without interruption.

The references relied upon are: Dawley, 1,278,117, September 10, 1918; Brainerd, 1,307,846, June 24, 1919; Schufftan, 1,601,886, October 5, 1926; Lisatz and Geyling (French), 616,966, February 11, 1927.

Appellant's application discloses a method and means of producing composite motion-picture films by using a motion-picture projector to project a picture upon a screen, the projector being placed at one side and not directly in front of the screen. Then a motion-picture camera takes a composite picture which consists of the picture on the screen and other objects, moving or still, which are between the screen and the camera. The objects which are interposed between the screen containing the picture and the camera are illuminated by spot lights. The camera and the projector are synchronized so that their shutters will function in unison.

The appeal here involves claims 12, 13, 14, 15, and 16. The Examiner rejected claims 12 to 15 as unpatentable over Brainerd in view of Geyling. Claims 13 and 14 were further rejected as unpatentable over Brainerd and Geyling in view of Schufftan. Claim 16 was rejected upon Brainerd in view of Geyling for the same reasons as those assigned in rejecting claims 12 to 15, and in addition the Examiner pointed out that claim 16 includes means for illuminating the real objects without casting shadows on the screen. The Examiner held that this method of illumination was commonly used in making composite pictures and that it was entirely obvious to anyone familiar with that form of motion-picture production. The Examiner also pointed out that Geyling shows light sources arranged so as to illuminate the actors without causing shadows on the screen. Claims 12 to 16 were further rejected by the Examiner as unpatentable over Geyling in view of Schufftan. The Examiner pointed out that Schufftan shows that it is old to photograph combined projected pictures and real objects by synchronizing a camera with the projector and that no invention would be involved in employing the apparatus of Schufftan to photograph the combined pictures and real objects of Geyling as only an expected result would be obtained. The Examiner also rejected claims 12 to 15 as being unpatentable over Brainerd alone. These claims are distinguished from the reference by the position of the projector with relation to the screen. The Examiner stated that this fact was not inventive since—

anyone skilled in the art would at once realize that the real objects in Brainerd's device would interfere with the projected image

and that—

it would be equally obvious that this defect could be eliminated by projecting the pictures from one side of the screen.

Claims 12 to 15 were further rejected by the Examiner as unpatentable over Dawley, in view of Schufftan. Claim 16 was further rejected by the Examiner as unpatentable over Dawley in view of Geyling. Geyling, according to the Examiner, shows the lighting system claimed.

After the rejection by the Examiner and appeal to the Board, affidavits of those skilled in the art were submitted by appellant for the purpose of explaining the references and for the purpose of showing that appellant's method had been proven to be successful and those of the prior art unsuccessful. The Board of Appeals remanded the application to the Primary Examiner under rule 139 for reconsideration and for a report to the Board as to his conclusions thereon. The Examiner reported that the additional matter filed by the applicant had no bearing on the appeal and in no way affected the patentability of the claims.

The Board of Appeals did not discuss each claim or the references in such detail as did the Examiner, but its conclusions are in substantial accord with those of the Examiner, and after pointing out the various disclosures in the references the Board said:

* * * It seems to us that the changes involved in the claims over what is taught by the French patent do not involve invention, especially in view of Schufftan.

The patent to Dawley is for making motion pictures with a camera which photographs simultaneously a scene projected on a screen and real objects or persons on the stage back of the screen. The screen upon which the photographs are projected is obviously transparent and is referred to in Dawley's specification as a sheet of plate glass.

The Brainerd patent relates to a method of producing motion pictures by the use of an opaque reflecting projection screen in front of which, side by side, is a motion-picture camera and a motion-picture projector. Both are operated in synchronism and real objects are placed on the stage between the camera and the screen.

Schufftan takes photographic and cinematographic pictures by the use of a camera and a projector which operate in synchronized relation and a mirror is used in projecting the picture on the screen. This patent clearly shows the synchronized relation between the projector and the camera.

The French patent to Lisatz and Geyling, No. 616,966, referred to by the Examiner as "Gayling" and by the Board as "the French patent", relates to improvements made in scenic projections. Upon a screen a scenic background is projected from cameras placed above and either in front of or behind the screen and real objects may appear in front of the background where they are viewed. The patent states that:

The invention consists in disposing the projecting apparatus, for the background of the scene, at such a height either behind or in front of the said background that in the first case the lens (objective) of the apparatus can not be perceived from the seats of the spectators, that in the second case the luminous cone projected by this apparatus will encounter neither the lamps nor the studio screens and that in both cases this cone will strike the base of the background at quite an acute angle so that persons can approach the said background without finding themselves in the projection cone.

It is not denied that appellant has combined certain features shown in the cited prior art. Appellant claims, however, that what he has done, irrespective of what others have done, amounts to a success and is a practicable, workable, and useful method, in which method there is invention. It is not contended by the Patent Office tribunals nor by the Solicitor for the Patent Office that appellant's method, as a whole, is taught in any single reference or that the method of appellant lacks in practicability and usefulness. It is the view of the Board that no invention was involved. The only question in the case is, did the changes made by appellant from the prior art require invention or were they the result of the application of mere mechanical skill?

Appellant has cited and quoted from a great many decisions relating to the combination of old parts and old elements, including *Edison Electric Light Co.* v. *Novelty Incandescent Light Co.*, 167 Fed. 977; and *In re Coffield*, 50 App. D. C. 259, 270 Fed. 695, 286 O. G. 411. Appellant also urges that it is shown that the prior art devices are impracticable and incapable of successful operation. It is, therefore, contended, under *Timolat* v. *Philadelphia Pneumatic Tool Co.*, 131 Fed. 257, and other decisions, that a patent for an improvement or manufacture which does not accomplish the objects and purposes of its conception and is impracticable does not anticipate a later patent upon a similar device capable of successful operation.

On this subject it was the view of the Board that whatever modifications of the prior art appellant had made, which makes his method a success, even if the prior art methods were unsuccessful, were the result of mechanical skill only. We are constrained to agree with this conclusion. Certainly we are not convinced that the Board, in affirming the action of the Examiner, was clearly in error. It seems to us that to one skilled in the art the defects in the method of the prior art would be obvious, and that means to be employed to correct the defects would occur to anyone skilled in the art without the application of the inventive faculty.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE CARSWELL AND GUMP

No. 3,289. Decided May 31 1934

PATENTABILITY—CELLULOSE ESTER COMPOSITION.

Claims for a cellulose ester composition *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Joseph R. Mares and *Mr. Lester H. Kincaid* for Carswell and Gump.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office rejecting, for want of patentability in view of the prior art, claims 10, 11, 13, 14, and 15 of appellants' application filed January 16, 1929. Claims 7, 8, and 12 of said application were allowed.

Of the claims on appeal claims 10 and 13 are illustrative and read as follows:

10. A cellulose ester composition containing an aryl sulphonyl derivative of an acetylated amine.

13. A composition of matter containing a material having the following structural formula:

$$R-N(R')-SO_2-Aryl.$$

Where "R" is an aromatic or aliphatic nucleus, "R'" is an acetyl radical and "Aryl" is an aromatic nucleus, and one of the group consisting of: cellulose esters and cellulose ethers.

The reference relied upon is: Schmidt, 758,335, April 26, 1904.

The alleged invention is thus described in the Examiner's statement, which description was adopted by the Board in its decision:

The invention relates to plasticizers for cellulose esters and ethers and comprises the use of paratoluene sulfonyl acetanilid or paratoluene sulfonyl n-ethyl acetamid for that purpose. These were designated generically as aryl sulfonyl derivatives of acetylated aromatic or aliphatic amines. The same thing is expressed by a type structural formula in claims 13, 14, and 15.

The Examiner rejected the claims on appeal, as well as claim 12, upon the reference cited, stating as follows:

The rejected claims cover broadly the compound including $N:(CH_2CO)X$, X being any aliphatic or aromatic radicle whatsoever. The facts presented do not support the patentability of such a broad or indefinite concept. It is impossible to imagine all the possible variations. Such variations must necessarily produce marked changes in the physical characteristics of the product, as evidenced by the table on page 2 of Schmidt's patent. Whether such changes would result in an operative product or one patentable over Schmidt's disclosure it is impossible to determine.

The Board of Appeals affirmed the Examiner in his rejection of the claims on appeal, but allowed claim 12 on the ground that it was more restricted than claims 10 and 11.

The reference Schmidt is a patent for the use of aryl sulfonyl compositions as substitutes for camphor plasticizers for nitro cellulose.

Appellants insist that they are not attempting to claim an extremely broad range of sulphonyl compounds, such as is covered by the Schmidt patent, but that they are only embracing a relatively limited improvement group which may properly be covered in an improvement patent.

Whether the claims here involved are so broad and indefinite as to preclude their patentability, in view of appellants' disclosure and the reference Schmidt, is a highly technical question involving an expert knowledge of chemistry, and the well established rule is here especially applicable that concurring decisions of the Patent Office tribunals will be followed by us unless such decisions are manifestly wrong.

Appellants' counsel in his brief has comprehensively stated the reasons which, in his judgment, demonstrate that the Board of Appeals and the Examiner were in error in their conclusions, but it is not manifest to us that error was committed by them. It may be true, as appellants' counsel contends, that they could not more narrowly define their invention in claims that would properly protect their invention, but we are not convinced that this is so.

Appellants have been allowed three claims and, as we do not find that the Board of Appeals was manifestly wrong in rejecting the claims here involved, its decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

ASSOCIATED PARTS, INC., *v.* LIBERTY FOUNDRIES COMPANY

No. 3,304. Decided May 31, 1934

TRADE-MARKS—SIMILARITY.

A mark consisting of the notation "Red Head" and the representation of the head of a boy with red hair *Held* not confusingly similar to a trade-mark for the same goods consisting of the conventional representation of a devil's head and the notation "Ha Dees".

APPEAL from the Patent Office. Reversed.

Mr. Geo. E. Kirk, and *Messrs. Tracy, Chapman & Wells* for Associated Parts, Inc.

Messrs. McCanna and *Rehm*, *Mr. John F. McCanna*, and *Mr. Charles R. Allen* for Liberty Foundries Company.

LENROOT, *J.:*

This is an appeal in an opposition proceeding from a decision of the Commissioner of Patents sustaining the opposition of appellee to the registration of appellant's mark and holding that appellant is not entitled to register said mark.

The mark applied for by appellant consists of the notation "Red Head" and is used in connection with and applied to automobile heaters utilizing hot fluids from the engine. Specimens of the mark which appear in the record show that it is used in conjunction with the representation of the head of a boy, the hair in said representation being colored red.

The opposer (appellee) filed notice of opposition, setting up the use of the marks "Ha Dees" and the conventional representation of a devil's head, as applied to automobile heaters of the same class, since 1927. It also set forth three registrations which it owns—No. 241,503, of May 1, 1928, No. 279,286, of January 13, 1931, and No. 272,813, of July 15, 1930. The first of said registrations is for the mark "Ha Dees" for automobile heaters and parts or accessories therefor; the second is for the same mark applied to space heaters, generally of a type through which steam or hot water is passed to deliver heat therefrom, and parts or accessories therefor; the third is for the representation of a devil's head, having the conventional hood and horns and spouting fire, applied to automobile heaters and parts or accessories therefor. The notice of opposition contained the usual allegations that confusion would be likely between the goods of the parties if appellant's registration were allowed, and that appellee would be damaged by such registration.

The parties took no testimony, but a stipulation of facts was made in the Patent Office, which stipulation appears in the record and is accurately summarized in the decision of the Commissioner as follows:

> Neither party has taken testimony; but in lieu thereof a stipulation has been submitted which is to the effect that the goods are the same in character, that the opposer was several years prior in the field in the use of its mark upon its goods, that opposer has widely advertised its goods under its marks as shown in opposer's Exhibits Nos. 1, 2, and 3, and that it has sold its goods through dealers and jobbers generally "in that portion of the United States in which automobile heaters are used." It is also stipulated that the applicant has widely advertised its goods under its mark here sought to be registered and used in connection with the pictorial representation of the head of a boy having red hair.

It may be noted that appellee's Exhibits Nos. 1, 2, and 3 above referred to, are, respectively, one of opposer's advertisements taken from a national trade magazine entitled "Motor Service," displayed on the front of the December 15, 1929, issue thereof; one of opposer's 1929 dealer circulars; and one of opposer's 1931 dealer circulars, said circulars also being advertising matter.

The Examiner of Interferences held that the two registrations of the mark "Ha Dees" owned by appellee were so different in appearance, sound, and significance as to furnish no basis for sustaining the opposition. As to the third registration, that for the representation of the devil's head, the Examiner held that confusion would not be likely, stating as follows:

> • • • While opposer's exhibits show that the picture of the Devil in actual use is displayed in red it seems clear to the Examiner that it would not be likely to be designated by purchasers as "Red Head" but rather by one of the terms by which this imaginary horned-creature is known, as for example, "Devil" or "Satan", and opposer's use of the notation "Ha Dees" with this picture of the "Devil" can only tend to impress upon purchasers the significance intended to be conveyed by the picture used by the opposer.

He then proceeded to hold that the marks do not so closely resemble each other as to make confusion likely, dismissed the notice of opposition, and held appellant entitled to register the mark applied for.

Upon appeal from this decision of the Examiner, the Commissioner held that confusion was likely, basing his decision on a consideration of only that registration of appellee which relates to the representation of the devil's head, stating as follows:

> • • • Obviously but one of opposer's registrations need be considered, and that is the one for the pictorial representation of a devil's head. The applicant's notation "Red Head" is fairly descriptive of this mark of the opposer. The words and the pictorial representation are, to the extent they convey the same information, equivalents. Customers do not always see the marks and goods side by side for comparison. The opposer's picture of a devil's head has marked and specific differences over the applicant's notation, but confusion by oral description seems probable. One familiar with opposer's goods might well describe them as having a mark of a red head or a devil's red head upon them. Another party seeing or hearing this description might, upon noting the applicant's goods with the words "Red Head" upon them, readily conclude they had their origin with the opposer. There is at least a reasonable probability of confusion in trade, and it is thought the applicant should not have adopted terms so aptly descriptive of the opposer's mark. If there is doubt it must following the usual rule be resolved against the newcomer.

He thereupon proceeded to hold that there was likelihood of confusion, sustained the opposition of appellee, and held appellant was not entitled to register the mark applied for.

We think the Examiner of Interferences came to the right conclusion. There is nothing in the record to indicate that the words "Red Head" are ever used to indicate the head of the devil, and as a matter of common knowledge we would say that said words are never so used. We think that the representation of the head of the devil, as hereinbefore described, with the hood colored red, assuming without deciding that the color may be here considered, would not carry to the purchaser of goods to which the mark was applied the thought of "Red Head" as descriptive of the mark, and we think that a purchaser would not be likely, upon seeing goods with the mark "Red Head" applied thereto, to confuse said mark with appellee's mark. In other words, we are not of the opinion that there is likelihood of confusion in trade in the use of the two marks.

It is obvious that if appellee's said mark of the head of a devil is not confusingly similar to appellant's mark "Red Head", when the former mark is used alone, it is likewise not confusingly similar to appellant's mark "Red Head" when the said mark of a devil's head is used as a part of a composite mark in which the registered mark "Ha Dees" is also used.

Appellee relies upon our decision in the case of *Gilmore Oil Company, Ltd.* v. *Wolverine-Empire Refining Co.*, 21 C. C. P. A. (Patents) ——, 69 F.(2d) 532, wherein we held that the representation of a lion's head, together with the words "Lion Head", was confusingly similar with a representation of a wolf's head, together with the words "Wolf's Head", but, in our opinion, the case at bar is plainly distinguishable from said case. In the case at bar the comparison is between the words "Red Head" or their equivalent, the representation of a red head, and the head of a devil, as hereinbefore described.

We think it proper to observe further that, the marks of both parties being used upon automobile heaters, ordinarily purchased but once during the life of an automobile, purchasers of the article would naturally use a degree of care in their selection greater than would ordinarily be used in the purchase of articles which require frequent replacement. *International Silver Co.* v. *The American Silver Co.*, 17 C. C. P. A. (Patents) 871, 37 F.(2d) 622, 395 O. G. 339.

In our opinion the application of appellant for registration of the mark "Red Head" should be allowed and the notice of opposition dismissed. Accordingly, the decision of the Commissioner of Patents is reversed.

Reversed.

HATFIELD, *J.*, did not participate.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, filed Aug. 20, 1934, D. C., N. D. Ohio, E. Div., Doc. E 5014, *S. B. Smith* v. *L. Auerensen (Ridgeville Hatchery)*. Same, D. C. Kans. (Topeka), Doc. 1905–N, *S. B. Smith* v. *C. A. Engel (Engel's Hatchery)*. Same, filed Aug. 23, 1934, D. C., S. D. Ohio (Dayton), Doc. E 864, *S. B. Smith* v. *D. Middleton (Middleton Hatchery)*.

1,292,081, J. Sachs, Electric switch; 1,301,175, same, Electric switch and meter testing system, filed Aug. 8, 1934, D. C., N. D. Ohio, E. Div., Doc. 5008, *J. Sachs et al.* v. *The American Electric Switch Corp. et al.*

1,301,175. (See 1,292,081.)

1,365,604, Rittman & Dutton, Treatment of hydrocarbons; 1,632,011, F. Tinker, Production of petrol; 1,740,691, C. J. Greenstreet, Apparatus and process of treating hydrocarbon oils; 1,886,093, same, Process for treating hydrocarbon oils, filed July 13, 1934, D. C., N. D. Tex. (Abilene), Doc. E 830, *Sinclair Refining Co.* v. *Cosden Oil Corp.*

1,392,629, C. P. Dubbs, Process of converting hydrocarbons; 1,537,593. G. Egloff, Process for cracking oil, filed July 25, 1934, D. C. Kans. (Wichita), Doc. 819–N, *Universal Oil Products Co.* v. *El Dorado Refining Co.* Doc. 820–N, *Universal Oil Products Co.* v. *Kanotex Refining Co.* Doc. 821–N, *Universal Oil Products Co. v. Globe Oil & Refining Co.* Doc. 822–N, *Universal Oil Products Co.* v. *Dickey Refining Co.*

1,401,376, A. W. Thompson, Fibre conditioning process and apparatus, D. C., W. D. S. C. (Greenville), Doc. E 373, *The Texas Co. et al.* v. *Lousdale Co.* Dismissed Aug. 24, 1934.

1,423,956, Mitchell & White, Tipless incandescent lamp, D. C., E. D. N. Y., Doc. E 6955, *General Electric Co.* v. *B. Mandel et al.* Consent decree for plaintiff Aug. 30, 1934.

1,459,855, H. L. Olden, Sheet metal roofing, D. C., S. D. Ohio, W. Div., Doc. E 837, *The Cincinnati Sheet Metal & Roofing Co.* v. *The Edwards Mfg. Co.* Dismissed Aug. 23, 1934.

1,511,557, O. M. Franklin, Method of making blackleg vaccine, C. C. A., 10th Cir., Doc. 1013, *The Jensen-Salsbery Laboratories, Inc.*, v. *The O. M. Franklin Blackleg Serum Co.* Decree of Circuit Court of Appeals of June 30, 1934, vacated Aug. 16, 1934, and case set for rehearing.

1,537,593. (See 1,392,629.)

1,550,396, R. B. Smith, Method of oiling cotton raw stock, D. C., W. D. S. C. (Greenville), Doc. E 347, *Borne Scrymser Co.* v. *Gaffney Mfg. Co. et al.* Dismissed Aug. 24, 1934.

1,632,011. (See 1,365,604.)

1,645,370, W. E. Callison, Amusement device, filed Aug. 29, 1934, D. C., W. D. Okla. (Oklahoma City), Doc. E 1646, *W. E. Callison* v. *Humes Drug Co.*

1,652,956, G. S. Purtyman, Process and apparatus for treating gases, fumes, etc., filed Aug. 21, 1934, D. C. Ariz. (Prescott), Doc. E 298, *G. S. Purtyman* v. *San Carlos Hotel Co.* Doc. E 299, *G. S. Purtyman* v. *The Valley Bank Building, Inc.* Doc. E 300, *G. S. Purtyman* v. *J. C. Penny Co.* Doc. E 301, *G. S. Purtyman* v. *C. M. Luhrs.* Doc. E 302, *G. S. Purtyman* v. *Security Improvement Co.*

1,673,287. (See 1,696,263.)

1,680,370, P. E. Edelman, Radio power supplying unit, D. C., W. D. Mich., S. Div., Doc. E 2606, *E. Banning* v. *Sears, Roebuck & Co.* Dismissed Aug. 29, 1934.

1,696,263, C. E. Bonine, Radio apparatus; 1,673,287, L. L. Jones, Electron discharge tube amplifier system; 1,713,130, same, Method of and means for controlling energy feed back in electron discharge devices; Re. 17,915 (of 1,713,132), same, Radio frequency amplifying system; 1,732,937, same, Transformer and coil system; 1,770,525, same, Radio receiving apparatus; 1,779,881, same, Amplifier; 1,788,197, same, Radio frequency circuits; 1,791,030, same, Radio receiving system, appeal filed Nov. 29, 1933, C. C. A., 2d Cir., Doc. —— *Technidyne Corp. et al.* v. *McPhilben-Keator, Inc.*

1,710,035, R. E. Thompson, Sound reproducing instrument, filed Aug. 15, 1934, D. C., S. D. N. Y., Doc. E 78/355, *Hazeltine Corp.* v. *Emerson Television Radio, Inc., et al.*

1,710,073, 1,714,191, S. Ruben, Electrical condenser, filed Aug. 3, 1934, D. C., S. D. N. Y., Doc. E 78/321, *Ruben Condenser Co. et al.* v. *Stuyvesant Electric Co., Inc.* Same, filed Aug. 6, 1934, D. C., N. D. Ohio, E. Div., Doc. E 5002, *Ruben Condenser Co. et al.* v. *Curtis Condenser Corp.*

1,713,130. (See 1,696,263.) 1,713,132. (See 1,696,263.)

1,714,191. (See 1,710,073.)

1,727,095, L. Bleriot, Aerial advertising and signaling device; 1,794,828, same, Aerial advertising and signaling; 1,901,855, M. S. Du Pont, Aerial banner, filed Aug. 21, 1934, D. C., E. D. N. Y., Doc. E 7362, *Kellett Autogiro Corp.* v. *C. H. Coffin et al.*

1,732,937. (See 1,696,263.) 1,740,691. (See 1,365,604.)

1,770,525. (See 1,696,263.)

1,777,435, C. F. Hogelund, Full vision frost shield; 1,915,098, A. W. Kile, Frost shield, D. C. Minn. (Minneapolis), Doc. E 2745, *Durkee-Atwood Co.* v. *The Juckem Co.* Dismissed for want of equity Aug. 11, 1934.

1,779,881. (See 1,696,263.)

1,784,466, O. Rensonnet, Steering sight adapted to be fitted to the wings of the mudguards of motor vehicles, filed Aug. 21, 1934, D. C., S. D. N. Y., Doc. E 78/374, *Casco Products Corp.* v. *S. Kenny (Chrome Products Co.)*.

1,788,197. (See 1,696,263.) 1,791,030. (See 1,696,263.)

1,791,267, 1,888,031, H. L. Fink, Terrazzo strip, D. C., E. D. N. Y., Doc. E 6709, *H. L. Fink* v. *V. Foscato, Inc., et al.* Decree for plaintiff Aug. 17, 1934.

1,794,828. (See 1,727,095.)

1,830,768, I. M. Rod, Art of making garments, D. C., S. D. N. Y., Doc. E 78/322, *Rokap Corp.* v. *L. W. Prager et al.* Consent decree for plaintiff (notice Aug. 28, 1934).

1,833,581, W. M. Jordan, Fishing lure, D. C., N. D. Ind. (South Bend), Doc. E 467, *South Bend Bait Co.* v. *A. Berman (Berman's Sports Goods Store)*. Decree reversed, cause remanded to lower court with direction to dismiss (notice July 11, 1934).

1,840,137, W. B. Sturgis, Oil burner, filed Aug. 9, 1934, D. C., S. D. Ohio (Columbus), Doc. 1099, *W. B. Sturgis* v. *Franklin Oil Heating, Inc.*

1,859,098, S. Lerman, Fabric covered buckle, D. C., S. D. N. Y., Doc. E 78/352, *Everybody's Tool & Die Works, Inc.*, v. *M. Costa (Beauty Button Works)*. Consent order of discontinuance (notice Aug. 22, 1934).

1,865,995, A. L. Wurster, Cravat holder, filed Aug. 22, 1934, D. C., S. D. N. Y., Doc. E 78/375, *A. L. Wurster et al.* v. *S. Wechsler.*

1,876,686, 1,920,402, R. W. Kaltenbach, Cardumper chute control mechanism, filed Aug. 6, 1934, D. C., E. D. Va. (Norfolk), Doc. E 308, *R. W. Kaltenbach et al.* v. *C. & O. Rwy. Co.*

1,886,093. (See 1,365,604.) 1,888,031. (See 1,791,267.)

1,901,855. (See 1,727,095.)

1,902,769, J. H. Esdorn, Store fixture display molding, appeal filed Aug. 23, 1934, C. C. A., 2d Cir., Doc. 13537, *J. H. Esdorn et al.* v. *M. Greenspan & Co., Inc.*

1,906,084, H. E. Norviel, Switch, filed Aug. 24, 1934, D. C., E. D. Mich. (Detroit), Doc. 6512, *General Motors Corp.* v. *Machined Parts Corp.*

1,915,098. (See 1,777,435.)

1,919,018, L. Goebbel, Ornamented lining fabric, filed Aug. 27, 1934, D. C., S. D. N. Y., Doc. E 78/384, *L. Goebbel* v. *Grum-Ko-Silk Corp.*

1,920,402. (See 1,876,686.)

1,926,347, E. M. Morrow, Confection and process of making same, filed Aug. 18, 1934, D. C., E. D. Mo. (St. Louis), Doc. 11020, *E. M. Morrow* v. *Fluff-O-Mfg. Co.*

1,962,104, D. E. Harnett, Radioreceiver, filed Aug. 22, 1934, D. C., S. D. N. Y., Doc. E 78/376, *Haseltine Corp.* v. *Emerson Television Radio, Inc., et al.*

Re. 15,595, J. A. Bennett, Adjustable drainage fitting for water closets, filed July 7, 1934, D. C., S. D. Calif. (Los Angeles); Doc. E 344, *Bennett Fittings, Inc.*, v. *W. P. McArthur et al.*

Re. 17,915. (See 1,696,263.)

Des. 90,142, R. P. Ridges, Vanity case, D. C. R. I. (Providence), Doc. 469, *Illinois Watch Case Co. et al.* v. *Hingeco Mfg. Co., Inc.* Consent decree for plaintiff Aug. 15, 1934.

Changes in Classification

Order No. 3,288, October 17, 1934, directs:

In *class 45, Furniture* (Division 29), abolish the following subclasses:

31 **Tables**
Adjustable
109 Angularly,
110 Angularly and vertically,
74 Folding,
111 Vertically,
75 Attachments,
140 Counters
141 Attachments,
9 Extension
112 Center,
113 End,
114 Flexible top,
115 Slides,
11 Folding
116 Sectional top,
17 Kitchen,
46 Lap,
47 Leaf supports,
48 Leg fastening and bracing,
117 Pedestals,
26 Self-waiting,
27 Sewing machine,
50 Surgical,
51 Wall.

The patents formerly contained in these subclasses have been placed for the most part in class 311, SUPPORTS, TABLES, established in this order, and class 312, SUPPORTS, CABINET STRUCTURES, subclasses 140.1–140.4, established in this order.

In *class 312, Supports, Cabinet Structures* (Division 8), establish the following subclasses and definitions:

140.1 **Counters**
140.2 Portable,
140.3 Tops,
140.4 Attachments.

140.1. This subclass includes structures in the nature of a table or bench on which goods are displayed for inspection and sale. It may also include restaurant counters and similar devices. They are usually distinguished by being inclosed at the front and sides and frequently have or may have drawers or compartments. Details of structure, as tops and attachments, are also here.

140.2. Counters of a portable or knockdown nature.

140.3. Counter top structure.

140.4. Attachments for counters.

The patents contained in these subclasses have been taken for the most part from class 45, FURNITURE, subclass 31, Tables, and subclasses indented thereunder, abolished in this order.

Establish in Division 29, class 311, SUPPORTS, TABLES, with the subclasses indicated in the new loose leaf now being printed for insertion in the Manual of Classification, and the definitions which will appear in Classification Bulletin No. 67, the patents contained in this class having been taken for the most part from class 45, FURNITURE, subclass 31, Tables, and indented subclasses, abolished in this order.

Lists of subclass titles and the definitions may be seen in the Classification Division (Room 3616) and in the Search Room, pending publication.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 6, 1934

[VOL. 448. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 355,951. VERZA TANNING CO., Boston, Mass. Filed Sept. 11, 1934.

VELCAF

For Tanned Calf Skin.
Claims use since Apr. 15, 1934.

Ser. No. 356,086. SUMMEROUR & SONS, INC., Vernon, Tex. Filed Sept. 15, 1934.

JUMBO



For Cotton Seed.
Claims use since Nov. 1, 1933.

Ser. No. 356,532. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Sept. 28, 1934.

PMC

For Gum Rosin and Wood Rosin.
Claims use since 1900.

CLASS 2

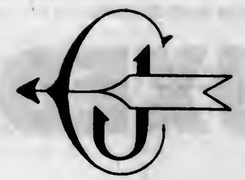
Receptacles

Ser. No. 343,599. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif. Filed Nov. 13, 1933.

EAGLE

For Paper Bags.
Claims use since Feb. 1, 1895.

Ser. No. 351,301. CLARICE JANE INC., Elgin, Ill. Filed May 14, 1934.



For Vanity Cases, Compacts, and Cosmetic Containers, Empty, and Made in Whole or in Part of Base Metal.
Claims use since Apr. 24, 1934.

Ser. No. 355,959. ERNEST M. BROGDEN, New Haven, Conn. Filed Sept. 12, 1934.

DOZ-PAK

For Fibre-Board Packing Cases or Crates, Moulded or Otherwise Fabricated, for Fruit and Vegetables.
Claims use since June 15, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 352,843. F. D. STEVENS, Jr., doing business as Larabee Products Company, Wichita, Kans. Filed June 18, 1934.



Applicant disclaims the words "White Shoe Dressing" except in association with the word "Larabee's".
For Leather Dressing.
Claims use since Mar. 10, 1934.

Ser. No. 355,472. EDW. F. HEIDENREICH & SONS, INC., Chicago, Ill. Filed Aug. 27, 1934.

Hide-Rite

For Powdered Hand Soap Having Additional Household Uses.
Claims use since Aug. 4, 1932.

Ser. No. 356,404. FEDERATED PRODUCTS COMPANY, Kansas City, Mo. Filed Sept. 25, 1934.

TUXEDO

For Dry Cleaning Fluids.
Claims use since Sept. 4, 1934.

Ser. No. 356,467. WORTHALL, LTD., New York, N. Y. Filed Sept. 26, 1934.

Drury Lane
English Lavender

No claim is made to the words "English Lavender" apart from the mark.
For Soap.
Claims use since May 8, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 341,984. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Sept. 28, 1933.

TETSULES

For Worm Preparation for Treatment of Poultry, Dogs, and Foxes.
Claims use since Sept. 20, 1933.

Ser. No. 342,117. MIFFLIN CHEMICAL CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1933.



No claim is made to the words "Mifflin" and "Spearmint" apart from the mark as shown.
For Mouth Wash.
Claims use since Sept. 1, 1933.

Ser. No. 342,171. EDW. M. STEGER, doing business as The Sem Co., Dyersville, Iowa. Filed Oct. 5, 1933.

NEGO

For Medicine for Hogs and Pigs for the Treatment of Various Bowel Troubles, Restoring the Hemaglobin in Anemic Pigs, Blood and Body Builder, and a Tonic.
Claims use since Mar. 1, 1931.

Ser. No. 353,552. JOHN M. LOWRY, doing business as The Act Rion Pharmacal Co., Huntington, W. Va. Filed July 3, 1934.

ACTRION

For Eye Wash.
Claims use since Jan. 1, 1910.

Ser. No. 353,601. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed July 7, 1934.

LIP ICE

For Lip Sticks and Lip Pomades.
Claims use since April, 1932.

Ser. No. 353,785. CONLIN CHEMICAL COMPANY, Hollywood, Calif. Filed July 10, 1934.

Conlin's *Grayno*

For Hair Color Restorative.
Claims use since Mar. 1, 1934.

Ser. No. 354,719. T. C. BEAL, Los Angeles, Calif. Filed Aug. 7, 1934.

TOREX

For Preparation for the Treatment of Athlete's Foot.
Claims use since Aug. 2, 1934.

Ser. No. 354,871. ROSSVILLE COMMERCIAL ALCOHOL CORPORATION, New York, N. Y. Filed Aug. 10, 1934.



The drawing is lined for shading. No claim is made to the word "Rossville" apart from the mark shown.
For Denatured Alcohol.
Claims use since July 16, 1934.

Ser. No. 354,981. DAVID STODDARD DOOMAN, doing business as Stoddard Medicinal Products Company, Garden City, Long Island, N. Y. Filed Aug. 14, 1934.

LUPEX

For Pharmaceutical Preparation for the Treatment of Headaches, Period Pains, Neuralgia, and Insomnia.
Claims use since Apr. 24, 1934.

Ser. No. 355,073. MARTIN DENNIS COMPANY, Newark, N. J. Filed Aug. 16, 1934.

RINSILK

For Material for the Restoration of Lubricant to Silk Fabrics Removed by Washing.
Claims use since May 3, 1934.

Ser. No. 355,224. MENOROL COMPANY, INC., Cincinnati, Ohio. Filed Aug. 20, 1934.

ARTOSAN

For Analgesic and Antipyretic in Tablet Powder, and Liquid Form for Internal Use.
Claims use since July 24, 1934.

Ser. No. 355,521. ANNA ROBNIK, doing business as M. & A. Products, Cleveland, Ohio. Filed Aug. 28, 1934.

SCALPOVITA

For Hair Tonic.
Claims use since May 10, 1934.

Ser. No. 355,554. HILL'S LABORATORIES, INC., Silver Spring, Md. Filed Aug. 29, 1934.

HILL'S NOMIST

For Nasal Spray Preparation.
Claims use since Aug. 1, 1934.

Ser. No. 355,562. LILLIAN H. BROWNBACK, doing business as Qui Sait Company, New York, N. Y. Filed Aug. 30, 1934.

EX TABAC

For Perfumed Deodorizers.
Claims use since Nov. 1, 1933.

Ser. No. 355,581. PLER-ZING, INC., Chicago, Ill. Filed Aug. 30, 1934.

YIM

For Soluble Compound in Solid Form Having Deodorizing, Disinfecting, Exterminating, and Cleansing Properties.
Claims use since Mar. 5, 1934.

Ser. No. 355,641. JOHN M. H. SHLINE, New York, N. Y. Filed Aug. 31, 1934.

Depillex

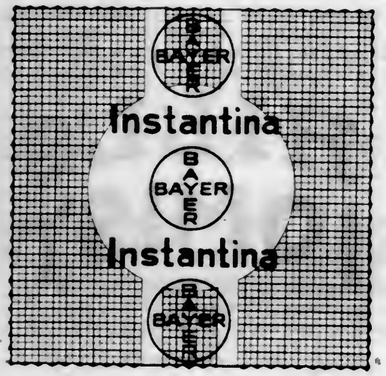
For Depilatory.
Claims use since Aug. 15, 1934.

Ser. No. 355,658. ABRAHAM ARONOVIC, doing business as Phenosol Company, New York, N. Y. Filed Sept. 1, 1934.

PHENOSOL

For Soothing Oil for Use in Nasal Congestion and in the Sinuses.
Claims use since Aug. 6, 1934.

Ser. No. 355,725. THE BAYER COMPANY, INC., New York, N. Y. Filed Sept. 5, 1934.



Applicant's mark consists of the distinctive combination of elements which include a square envelope having a border formed of crossed corrugations surrounding a clear central disc. Printed upon the envelope there appears: in the center, the word "Bayer" in cross form within a circle; above and below this device the word "Instantina"; and beyond the word "Instantina" at the upper and lower edge of the envelope a repetition of the Bayer cross device within a circle.
For Analgesic.
Claims use since Aug. 4, 1934.

Ser. No. 355,726. THE BAYER COMPANY, INC., New York, N. Y. Filed Sept. 5, 1934.

INSTANTINA

For Analgesic.
Claims use since Aug. 4, 1934.

Ser. No. 355,746. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Sept. 5, 1934.

MEBARAL

For Hypnotic and Sedative.
Claims use since Aug. 21, 1934.

Ser. No. 355,817. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 7, 1934.

Hepatona

For Effervescent Sodium-Phosphate Compound.
Claims use since 1923.

Ser. No. 355,818. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 7, 1934.

SEROBACTERINA

For Vaccines.
Claims use since 1914.

Ser. No. 355,847. LA-VAY SALES, INC., Cleveland, Ohio. Filed Sept. 8, 1934.

Plux

For Toilet Preparation for Stimulating the Growth of the Eyebrows and Also for Acting on the Hair Root to Aid in Plucking the Eyebrows.
Claims use since July 26, 1934.

Ser. No. 355,858. SIR KLENSO MANUFACTURING COMPANY, Oklahoma City, Okla. Filed Sept. 8, 1934.



For Water Softener Which Is Also Used as a Cleanser.
Claims use since Jan. 10, 1931.

Ser. No. 355,863. UNITED DRUG COMPANY, Boston, Mass. Filed Sept. 8, 1934.

ASPIREX

For Cough Drops.
Claims use since Aug. 22, 1934.

Ser. No. 355,881. DIAPHRAGM & CHEMICAL COMPANY, Chicago, Ill. Filed Sept. 10, 1934.

METROSAN

For Pharmaceutical Preparations for Prophylactic Purposes—Namely, Antiseptic Jellies for Vaginal Use.
Claims use since May 3, 1934.

Ser. No. 355,913. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Sept. 10, 1934.

CERTISAN

For Dental Cream.
Claims use since June 28, 1934.

Ser. No. 355,914. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Sept. 10, 1934.

HYGISAN

For Dental Cream.
Claims use since June 28, 1934.

Ser. No. 355,917. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Sept. 10, 1934.

SANIPURE

For Dental Cream.
Claims use since June 28, 1934.

Ser. No. 356,215. ADA B. CLARK, doing business as The Fistone & Appliance Co., College Corner, Ohio. Filed Sept. 20, 1934.

FISTONE

For Medicine for the Internal Treatment of Fistula of the Withers, Poll Evil, and Chronic Suppurations in Animals.
Claims use since Jan. 1, 1919.

Ser. No. 356,244. THE BUERGER BROTHERS SUPPLY COMPANY, Denver, Colo. Filed Sept. 20, 1934.

SORORITY

For Face Powder, Facial Cream, Hand Lotion, Skin Freshener, Tissue Cream, Liquid Cleansing Cream, Cleansing Cream (Medium), Cleansing Cream (Strawberry), Cleansing Cream (Quick Melting), Finishing Cream (Medium), Finishing Cream (for Dry Skin), Muscle Oil, Brilliantine, and Cream Rouge.
Claims use since Aug. 13, 1934.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 350,058. FRED C. ROYAL, Dearborn, Mich. Filed Apr. 16, 1934.

ROYAL'S
NEW DEAL

For Pipes for Smoking.
Claims use since Aug. 23, 1933.

Ser. No. 355,898. PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Filed Sept. 10, 1934.

Humidor

For Treated Paper Used in Manufacturing Cigarettes.
Claims use since June 15, 1934.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 350,582. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Sept. 29, 1934.

GELEX

For High Explosives of the Dynamite Type.
Claims use since Feb. 8, 1930.

CLASS 11

Inks and Inking Materials

Ser. No. 355,119. RUXTON PRODUCTS, INC., New York, N. Y. Filed Aug. 17, 1934.



The drawing is lined to indicate contrasting color and not any particular color.
For Inks—Namely, Writing Inks, Printing Inks, Stamp Pad Inks, Drawing Inks, Silk Screen Process Colors, and Carbon Paper.
Claims use since Apr. 2, 1934.

Ser. No. 355,944. OLD TOWN RIBBON & CARBON CO. INC., Brooklyn, N. Y. Filed Sept. 11, 1934.

Typal

For Typewriter Ribbons and Inked Ribbons Used in Printing and Typing Operations and Carbon Paper.
Claims use since July 27, 1934.

CLASS 12

Construction Materials

Ser. No. 1,269 (Inter-American Series). LA COMPAÑIA CUBANA DE CEMENTO PORTLAND, Habana, Cuba. Filed May 18, 1932. Under General Inter-American Convention for Trade-Mark and Commercial Protection (Signed at Washington Feb. 20, 1929).



No claim is made to the words "Cemento Portland" and "Habana" apart from mark as shown. Said trade-mark has been registered in Cuba, No. 37,356, dated July 24, 1922, on an application filed Apr. 15, 1920.
For Portland Cement.
Claims use since

Ser. No. 334,549. NATHANIEL L. ABERSON, Detroit, Mich. Filed Feb. 2, 1933.

BRICKOTE

For Veneer Sheets for Exterior Wall Facings for Buildings.
Claims use since Feb. 24, 1930.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 356,440. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Sept. 26, 1934.

"ALUMINWELD"

For Metallic Welding Electrodes.
Claims use since Jan. 11, 1932.

Ser. No. 356,441. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Sept. 26, 1934.

"Ferroweld"

For Metallic Welding Electrodes.
Claims use since June 23, 1933.

Ser. No. 356,444. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Sept. 26, 1934.

"WEARWELD"

For Metallic Welding Electrodes.
Claims use since Sept. 9, 1933.

CLASS 16

Paints and Painters' Materials

Ser. No. 324,855. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 7, 1932.

UNION

For Paint Oils, Paint Thinners, Metal Lacquers, Floor Oil, and Mineral Spirits (a Turpentine Substitute).
Claims use since May, 1913.

Ser. No. 353,809. INTERNATIONAL PULVERIZING CORPORATION, Camden, N. J. Filed July 12, 1934.

MICRONIZED

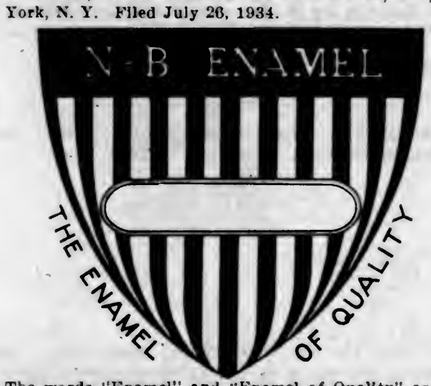
For Pulverized Limestone Sold as An Ingredient of Paint.
Claims use since July 2, 1934.

Ser. No. 354,039. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed July 18, 1934.



Colors of mark are immaterial.
For Ready-Mixed Paints, Stains, Paint Enamels, and Varnishes.
Claims use since June 1, 1934.

Ser. No. 354,356. N-B ENAMEL PAINT COMPANY, INC., New York, N. Y. Filed July 26, 1934.



The words "Enamel" and "Enamel of Quality" are disclaimed apart from the mark.
For Ready-Mixed Paints and Ready-Mixed Paint Enamels, Lacquers, and Varnishes.
Claims use since Apr. 15, 1934.

Ser. No. 355,595. THE TEXAS COMPANY, New York, N. Y. Filed Aug. 30, 1934.

HYDRORUB

For Rubbing Oil for Furniture for Cleaning and Bringing Out the Natural Grain of the Wood.
Claims use since Aug. 1, 1934.

Ser. No. 355,815. THE PREMIER CHEMICAL CORP., Cleveland, Ohio. Filed Sept. 7, 1934.

NORBD

For Gold Paint, Aluminum Paint, Gold Enamel, Superfine Oil Color, Colored Paints for Posters and Show Cards, Bronze Powder, and Paintbrush Cleaner.
Claims use since July 9, 1934.

CLASS 17

Tobacco Products

Ser. No. 356,497. SAN PALMA CIGAR COMPANY, Brazil, Ind. Filed Sept. 26, 1934.



For Cigars.
Claims use since Jan. 19, 1933.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 356,627. FRANZ MEIWALD, doing business as Martin Weiss, Vienna, Austria. Filed Oct. 1, 1934.

Sinfra

For Electric Wires and Cables.
Claims use since 1931.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 355,852. PLAYGAMES, INC., Newark, N. J. Filed Sept. 8, 1934.

AMERICAN
VARSITY FOOTBALL

A Football Game for the Parlor

No claim is made to the word "Football" nor to the phrase "A Football Game for the Parlor."
For Table Board Games Played with Pieces and Spinning Indicators.
Claims use since May 16, 1934.

Ser. No. 355,979. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 12, 1934.

ALL AMERICAN

For Coin Controlled, Ball Propelling Amusement Device.
Claims use since Aug. 1, 1934.

Ser. No. 355,980. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 12, 1934.

ARMY AND NAVY

For Coin-Controlled, Ball-Propelling Amusement Device.
Claims use since Aug. 1, 1934.

Ser. No. 355,981. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 12, 1934.

FOOTBALL

For Coin-Controlled, Ball-Propelling Amusement Device.
Claims use since Aug. 1, 1934.

Ser. No. 355,982. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 12, 1934.

HOLD AND DRAW

For Coin-Controlled, Ball-Propelling Amusement Device.
Claims use since Aug. 1, 1934.

Ser. No. 356,485. MARKS BROTHERS COMPANY, Boston, Mass. Filed Sept. 27, 1934.

BAMBOLA

For Table Board Game Played with Pieces.
Claims use since Dec. 10, 1933.

Ser. No. 356,732. JOHN F. MEYER, doing business as Exhibit Supply Co., Chicago, Ill. Filed Oct. 3, 1934.

DROP-KICK

For Coin-Controlled Amusement Game Apparatus.
Claims use since Sept. 22, 1934.

Ser. No. 356,733. JOHN F. MEYER, doing business as Exhibit Supply Company, Chicago, Ill. Filed Oct. 3, 1934.

SILVER STAR

For Coin-Controlled Amusement Apparatus.
Claims use since Sept. 10, 1934.

Ser. No. 356,738. NEWTON LINE COMPANY, INC., Homer, N. Y. Filed Oct. 3, 1934.

STREAMLINE

For Fishing Lines.
Claims use since June 1, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 338,695. HIDEZO, KIMURA, Sakoshi, Sakoshi-Mura, Ako-Gun, Hyogo-Ken, Japan. Filed June 9, 1933.



EARTH
スーア
球地

The Japanese characters on the drawing all mean "Earth".
For Insecticide Sprayer.
Claims use since May, 1931.

Ser. No. 352,931. STEAMSTERILE, INC., Dayton, Ohio. Filed June 20, 1934.

STEAMSTERILE

For Portable Electrically Operated Steam Generating Device.
Claims use since Mar. 15, 1934.

Ser. No. 354,497. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa. Filed July 31, 1934.

HOME WORKSHOP

For Saws, Files, Rasps, Chisels, Cabinet and Floor Scrapers, File Cards and Brushes, Screw Drivers, Trowels, Saw Clamps, Filing Guides and Clamps, and Saw Sets.
Claims use since June, 1933.

Ser. No. 355,760. FARREL-BIRMINGHAM COMPANY, INC., Buffalo, N. Y. Filed Sept. 6, 1934.

GEARFLEX

For Flexible Shaft Couplings.
Claims use since May 25, 1933.

Ser. No. 356,446. THE LINDSAY GANLEY CO., INCORPORATED, St. Paul, Minn. Filed Sept. 26, 1934.

REDHEAD

For Pumps.
Claims use since June 10, 1934.

CLASS 24

Laundry Appliances and Machines

Ser. No. 355,656. GILL & KINCAID, Redlands, Calif. Filed Sept. 1, 1934.

"DESERTAIRE"

For Combination Drying Cabinet and Clothes Hamper.
Claims use since Aug. 18, 1934.

Ser. No. 356,460. SCOTT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 26, 1934.



No claim is made to the word "Ironer" except in the association shown.
For Ironing Machines.
Claims use since June 11, 1934.

CLASS 25

Locks and Safes

Ser. No. 354,430. CAM LOCKS LIMITED, London, England. Filed July 30, 1934.

LUBRIVOIR

For a Lock Accessory—Namely, Apparatus for Lubricating Door Locks Comprising a Lubricating Pad Adapted to be Inserted in the Latch Socket of a Lock.
Claims use since Feb. 7, 1934.

CLASS 27

Horological Instruments

Ser. No. 351,825. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 24, 1934.



For Watches.
Claims use since Mar. 21, 1934.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 353,172. GAMMA ETA GAMMA, Long Island City, N. Y. Filed June 26, 1934.

ΓΗΓ

For Fraternity Badges, Lapel Buttons; Ornamental Pins—Namely, Scarf, Lapel, and Breast Pins; Cuff Links, Tie Clasps, Charms, Finger Rings, Belt Buckles, Keys, Jewelry Guards, Plaques, and Ornamental Shields, All of Precious Metal.
Claims use since May 22, 1934.

Ser. No. 353,573. KIRSCH JEWELRY MFG. CO. INC., New York, N. Y. Filed July 6, 1934.



For Finger Rings and Other Jewelry for Personal Wear Not Including Watches.
Claims use since June 1, 1932.

Ser. No. 355,977. PHI KAPPA SIGMA, Philadelphia, Pa. Filed Sept. 12, 1934.

ΦΚΣ

For Fraternity Badges, Pins, Charms, and Buttons All Made of or Plated with Precious Metal.
Claims use since 1850.

CLASS 32

Furniture and Upholstery

Ser. No. 356,059. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Sept. 14, 1934.



For Cabinets, Files, File Cabinets; Indexing, Recording, and Filing Systems Comprising Cabinets, Cases, and Trays or Parts Thereof and Record and Card Holding Boards and Frames, and Record, Index, and Card Holding Racks, All Constituting Office Furniture.
Claims use since June 15, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 356,342. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Sept. 24, 1934.

AMERICA'S FAVORITE SON

For Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since Apr. 20, 1934.

CLASS 37

Paper and Stationery

Ser. No. 340,603. AMERICAN SALES BOOK COMPANY, LIMITED, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Filed Aug. 11, 1933.

CONTINUOUS INTERLEAVED

The trade-mark "Continuous" has been continuously used in applicant's business or that of applicant's predecessors since the year 1889, and was registered in the Patent Office September 12, 1905, No. 46,303, effected under the ten-year proviso, which registration was renewed September 12, 1925. In respect to the trade-mark "Continuous Interleaved", the word "Interleaved" is disclaimed apart from the mark shown.

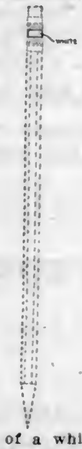
For Paper Sheets, Strips, and Rolls Suitable for Manifolding Use; Printed Forms for All Kinds of Business Transactions, Separate Paper Record Sheets or Strips Assembled Together in Pad Form; Record Pads Composed of Two or More Zigzag Folded Strips Assembled and Interengaging Each Other to Form a Manifolding Book or Pad of Superposed Record Leaves Providing a Flat, Compact, Record Supply Pad or Book for Autographic Registers, Typewriters, and Like Machines; Letter Sheets, Invoice Sheets, Billing Sheets.
Claims use since Apr. 4, 1927.

Ser. No. 354,687. THE MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Aug. 6, 1934.



Disclaimer of the words "Kabnet Wax" is made apart from the mark.
For Waxed Paper.
Claims use since July 25, 1934.

Ser. No. 354,743. BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Aug. 8, 1934.



Trade-mark consists of a white circumferential band. The representation of a pencil per se is disclaimed.
For Lead Pencils, Crayons, and Pencil Refill Leads.
Claims use since Oct. 1, 1923.

Ser. No. 356,136. MYRON ZOBEL, New York, N. Y. Filed Sept. 17, 1934.

THE NATIONAL CAMPUS INDEX
CAMPEX
COMPLETE COLLEGE COVERAGE

Applicant disclaims the words "Campus Index" and "Complete College Coverage" except as shown on the drawing.
For Partially Printed Forms.
Claims use since Sept. 1, 1934.

Ser. No. 356,144. BONDEX, INCORPORATED, Chicago, Ill. Filed Sept. 18, 1934.

BONDEX

For Statistical Blanks Sold to the Trade as Such.
Claims use since May 15, 1934.

Ser. No. 356,251. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Sept. 21, 1934.



JUMBO

For Reinforced Shipping Tag.
Claims use since Mar. 20, 1934.

Ser. No. 356,612. THE AETNA PAPER COMPANY, Dayton, Ohio. Filed Oct. 1, 1934.

DISCOVERY

For Writing and Printing Paper.
Claims use since Sept. 24, 1934.

CLASS 38
Prints and Publications

Ser. No. 349,360. ROBERT G. DEVLIN, Chicago, Ill. Filed Mar. 31, 1934.

KNOT HOLE CLUB

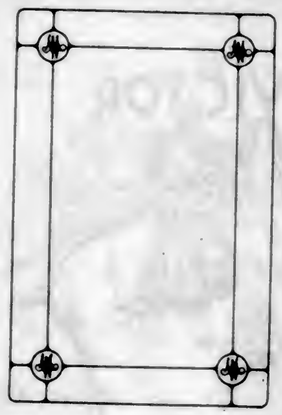
For Booklets Published from Time to Time.
Claims use since Mar. 30, 1934.

Ser. No. 349,361. ROBERT G. DEVLIN, Chicago, Ill. Filed Mar. 31, 1934.

KNOT HOLE LEAGUE OF AMERICA

For Booklets Published from Time to Time.
Claims use since Mar. 30, 1934.

Ser. No. 354,943. G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Aug. 13, 1934.



For Dictionaries.
Claims use since July 5, 1934.

CARNEGIE LIBRARY OF ATLANTA

Ser. No. 354,944. G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Aug. 13, 1934.



For Dictionaries.
Claims use since July 5, 1934.

Ser. No. 356,043. THE MODERN CEMETERY PUBLISHING COMPANY, Rockford, Ill. Filed Sept. 14, 1934.

THE MODERN CEMETERY
FORMERLY PARK AND CEMETERY

For Periodical.
Claims use since Jan. 15, 1933.

Ser. No. 356,432. BARRON'S PUBLISHING COMPANY, Boston, Mass., and New York, N. Y. Filed Sept. 26, 1934.

BARRON'S
The National Financial Weekly

For Periodical.
Claims use since May 9, 1921.

Ser. No. 356,433. JOSEPH BRAUNSTEIN, Pittsburgh, Pa. Filed Sept. 26, 1934.

Master Tips

For Periodical Publication.
Claims use since March, 1932.

Ser. No. 356,434. JOSEPH BRAUNSTEIN, Pittsburgh, Pa. Filed Sept. 26, 1934.

Master Rating

For Periodical Publication.
Claims use since March, 1932.

Ser. No. 356,435. JOSEPH BRAUNSTEIN, Pittsburgh, Pa. Filed Sept. 26, 1934.

Master Mind

For Periodical Publication.
Claims use since March, 1932.

Ser. No. 356,481. LANS PUBLISHING COMPANY, Chicago, Ill. Filed Sept. 27, 1934.

MODERN DETECTIVE

For Periodical.
Claims use since June 15, 1934.

Ser. No. 356,487. MACNAIR-DORLAND COMPANY, New York, N. Y. Filed Sept. 27, 1934.

SANITARY PRODUCTS

For Section of a Magazine.
Claims use since March, 1934.

Ser. No. 356,510. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Sept. 28, 1934.

THE UNITED STATES PATENTS QUARTERLY

For Periodical Publications.
Claims use since July 1, 1929.

Ser. No. 356,511. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Sept. 28, 1934.

The United States Law Week

For Periodical Publications.
Claims use since Sept. 5, 1933.

Ser. No. 356,512. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Sept. 28, 1934.

CURRENT LAW

For Sections of Periodical Publications.
Claims use since May 26, 1930.

Ser. No. 356,513. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Sept. 28, 1934.

NEWS OF THE LAW

For Sections of Periodical Publications.
Claims use since Sept. 5, 1933.

Ser. No. 356,514. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Sept. 28, 1934.

Administrative Interpretation

For Sections of Periodical Publications.
Claims use since Sept. 5, 1933.

Ser. No. 356,537. REVIEW OF REVIEWS CORPORATION, New York, N. Y. Filed Sept. 28, 1934.

Private News Letter

For Department or Section of a Weekly Publication.
Claims use since Nov. 25, 1933.

Ser. No. 356,548. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 28, 1934.

The United States News

For Periodical Publications.
Claims use since May 13, 1933.

Ser. No. 356,549. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 28, 1934.

"THE YEAS AND NAYS"

For Sections of Periodical Publications.
Claims use since Feb. 26, 1934.

Ser. No. 356,550. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 28, 1934.

TOMORROW

For Sections of Periodical Publications.
Claims use since Dec. 11, 1933.

Ser. No. 356,551. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 28, 1934.

UNCLE SAM'S NEWS REEL

For Sections of Periodical Publications.
Claims use since Jan. 22, 1934.

Ser. No. 356,552. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 28, 1934.

THE TIDE OF WORLD AFFAIRS

For Sections of Periodical Publications.
Claims use since Mar. 18, 1933.

Ser. No. 356,553. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 28, 1934.

The STATE of the UNION Today

For Sections of Periodical Publications.
Claims use since Mar. 18, 1933.

Ser. No. 356,662. GRAPHIC ARTS CORPORATION, Minneapolis, Minn. Filed Oct. 2, 1934.

DETECTIVE TABLOID

For Magazines Published Every Month.
Claims use since Sept. 1, 1934.

Ser. No. 356,786. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Oct. 4, 1934.

Life in the Capital

For Section of Periodical Publications.
Claims use since Sept. 17, 1934.

CLASS 39

Clothing

Ser. No. 325,584. KRAUSE SPORTCRAFT MFG. CO., Seattle, Wash. Filed Mar. 28, 1932.

Sportcraft

For Sport Coats, Sport Suits, Sweaters, Bathing Suits, Scarfs, Tams, Toques, Hosiery, Mittens, Neckties, Anklets, Wristlets, Jerseys, Gym Suits, Hunting Coats, Slip-Ons, Blouses, Underwear, Dresses and Suits, Vests, Cardigans, Skirts, and Berets for Women and Children and for Sweaters, Bathing Suits, Scarfs, Hosiery, Mittens, Neckties, Anklets, Wristlets, Jerseys, Gym Suits, Slip-Ons, Underwear, Vests, and Berets for Men.
Claims use since June 20, 1920.

Ser. No. 338,738. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Filed June 10, 1933.

Gotham

For Women's Gloves Made of Fabric.
Claims use since June 2, 1933.

Ser. No. 352,609. CONDOR PRODUCTS, INC., Buffalo, N. Y. Filed June 13, 1934.

CONDOR

For Garters and Suspenders.
Claims use since Oct. 15, 1930.

Ser. No. 354,099. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa. Filed July 19, 1934.

Linen Lady

No claim is made to the word "Linen" apart from the mark shown.
For Ladies' Blouses and Dresses.
Claims use since Mar. 1, 1934.

Ser. No. 354,445. JOSEPH MANN, Boston, Mass. Filed July 30, 1934.

Lady Fashion HOSIERY

The words "Fashion" and "Hosiery" are disclaimed except as shown in the drawing.
For Ladies' Hosiery.
Claims use since Jan. 1, 1933.

Ser. No. 354,800. HAWLEY PRODUCTS COMPANY, St. Charles, Ill. Filed Aug. 9, 1934.

HAWLITE

For Hats for Men, Women, and Children.
Claims use since July 26, 1934.

Ser. No. 355,062. JOHN A. HARRISON, New York, N. Y. Filed Aug. 16, 1934.

The JAH Countess Coat

No claim is made to the word "Coat" as shown in the drawing.
For Ladies' Cloaks and Suits.
Claims use since June 1, 1934.

Ser. No. 355,088. JACOB BOLTZ KNITTING MILL, INC., Pottsville, Pa. Filed Aug. 15, 1934.

LaVive KAM

For Ladies' Knit Underwear Consisting of Vests, Union Suits, Bloomers, and Panties Knit from Cotton, Silk, Rayon, and Wool Yarns, and Admixtures Thereof.
Claims use since Mar. 1, 1934.

Ser. No. 355,684. MODEL BRASSIERE CO. INC., Brooklyn, N. Y. Filed Sept. 1, 1934.

Wiz-bac

For Combination Undergarment Comprising a Brassière and a Girdle.
Claims use since July 25, 1934.

Ser. No. 355,713. SAMUEL SCHEUER, New York, N. Y Filed Sept. 4, 1934.



OUT DOOR GIRL

For Women's and Children's Hats and Caps.
Claims use since Aug. 1, 1933.

Ser. No. 355,741. WILLIAM SCHWARTZ & CO., INC., New York, N. Y. Filed Sept. 5, 1934.

Glenbrooke

For Men's Suits, Topcoats, and Overcoats.
Claims use since Oct. 2, 1931.

Ser. No. 355,766. THE KELLER KNITTING COMPANY, Cleveland, Ohio. Filed Sept. 6, 1934.

HI-LAD

The drawing is lined for orange.
For Knitted Jackets.
Claims use since Aug. 7, 1934.

Ser. No. 355,857. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Sept. 8, 1934.

Gabrilite

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since January. 1934.

Ser. No. 355,906. THE STERLING COMPANY, Chicago, Ill. Filed Sept. 10, 1934.

Dina Duette

For Ladies' Wash Dresses, Including Combination Dresses and Aprons.
Claims use since Aug. 1, 1934.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 355,895. I. MATTHEWS, Oakland, Calif. Filed Sept. 10, 1934.

"Drebox"

For Artificial Flowers.
Claims use since Oct. 1, 1933.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 354,267. SECURITY MILLS, INC., New York, N. Y. Filed July 24, 1934.

PERSHELLA

For Knitted and Woven Rough Woolen Cloth Having a Curly Surface.
Claims use since Apr. 25, 1934.

Ser. No. 355,282. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Aug. 22, 1934.

SIESTA

For Woolen Piece Goods Particularly Suitable for Bath Robes.
Claims use since July 5, 1934.

Ser. No. 355,515. W. E. MCKAY & CO., INC., New York, N. Y. Filed Aug. 28, 1934.

VOILAY

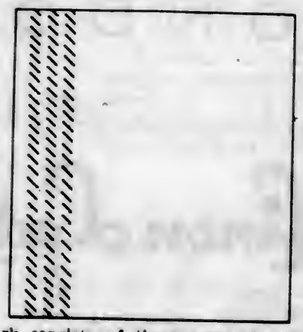
For Fabrics in the Piece of Wool, Cotton, Silk, Rayon, and/or Combinations Thereof.
Claims use since March, 1934.

Ser. No. 355,660. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Sept. 1, 1934.

Kurlymo

For Pile Fabrics in the Piece.
Claims use since Aug. 29, 1934.

Ser. No. 355,808. JACOB C. LEHRER, doing business as Philip Lehrer & Sons, New York, N. Y. Filed Sept. 7, 1934.



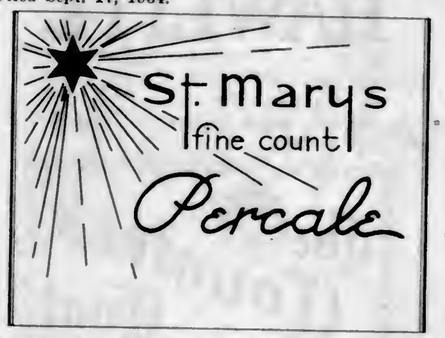
Trade-mark consists of three rows of diagonally disposed lines. The middle row of lines are colored blue. The row of lines at the left are colored red. The row of lines at the right are colored white.
For Woolens in the Piece or Bolt, with the Exception of Pile Fabrics.
Claims use since January, 1928.

Ser. No. 355,901. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 10, 1934.

SNUGTEX

For Blankets.
Claims use since Aug. 1, 1933.

Ser. No. 356,106. MAX FERTIG SONS, INC., New York, N. Y. Filed Sept. 17, 1934.



No claim is made to the words "Fine Count" and "Percale" apart from the mark.
For Cotton Sheets and Pillowcases.
Claims use since June, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 349,059. WILLIAM B. TIPPS, Springfield, Ill. Filed Mar. 26, 1934.

XLO

For Hair Waving Pads.
Claims use since Apr. 15, 1931.

Ser. No. 354,107. THE KAPPNER MFG. CO., INC., Cincinnati, Ohio. Filed July 19, 1934.

PALL-A-DIUM
KAPPNER'S
PTOSIS
HERNIA ABDOMINAL
SHIELDS
THE KAPPNERS MFG. CO. Inc.
CINCINNATI, O., U.S.A.

The words "Ptosis Hernia—Abdominal Shields—Cincinnati, O., U. S. A." are disclaimed apart from the mark shown.
For Trusses and Abdominal Supports.
Claims use since Jan. 2, 1934.

Ser. No. 355,150. THE MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Aug. 18,1934.

SURGOWAX

For Waxed Crepe Paper for Surgical Wet Dressings.
Claims use since Aug. 7, 1934.

Ser. No. 356,093. ZOTOS CORPORATION, New York, N. Y. Filed Sept. 15, 1934.

JATAL

For Hair Waving Pads.
Claims use since Sept. 10, 1934.

Ser. No. 356,203. STRIDE PRODUCTS CORPORATION, Cleveland, Ohio. Filed Sept. 19, 1934.

STRIDE

For Corn Pads, Metatarsal Supports, Arch Supports, Callous Pads, Callous Cushions, Bunion Shields, Bunion Pads, Heel Cushions, Arch Binders, Ankle Supports and Heel Cups.
Claims use since Mar. 17, 1934.

Ser. No. 356,472. BAKER & COMPANY, INC., Newark, N. J. Filed Sept. 27, 1934.

DURENAME

For Dental Cement.
Claims use since Sept. 12, 1934.

Ser. No. 356,473. BAKER & COMPANY, INC., Newark, N. J. Filed Sept. 27, 1934.

DURCEMENT

For Dental Cement.
Claims use since Sept. 12, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 352,270. AARON SPANIER, New York, N. Y. Filed June 4, 1934.

REINAPS

LYMO

For Nonalcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since Mar. 15, 1933.

Ser. No. 356,267. THE S. E. OLA BEVERAGE COMPANY, Washington, Ga. Filed Sept. 21, 1934.

Iceola

For Nonalcoholic Maltless Beverages and a Beverage Syrup for Making Bottled and Fountain Beverages.
Claims use since December, 1933.

Ser. No. 356,482. A. D. LEWIS, Atlanta, Ga. Filed Sept. 27, 1934.

COLA-RICA

No claim is made to the word "Cola" apart from the association shown.
For Concentrated, Nonalcoholic, Maltless Syrup Used in the Preparation of Soft Drinks.
Claims use since Aug. 21, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 349,053. FREDERICK PHILLIPS, Boston, Mass. Filed Mar. 22, 1934.

PHILCO

SPRING WHEAT FLOUR

MILLED EXPRESSLY FOR FREDERICK PHILLIPS BOSTON, MASS. U.S.A.

BLEACHED

Applicant disclaims all notations except "Philco" apart from the mark.
For Wheat Flour.
Claims use since Mar. 1, 1929.

Ser. No. 354,484. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed July 31, 1934.

BAKERS DELIGHT

For Canned Fruits.
Claims use since 1917.

Ser. No. 354,487. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed July 31, 1934.

SERRA CROSS

For Canned Fruits, Canned Vegetables.
Claims use since 1920.

Ser. No. 355,041. B. H. RUDO & BRO., Baltimore. Md. Filed Aug. 15, 1934.

Royal Clover

For Canned Fruits, Canned Vegetables, Canned Fish, Ice Cream Powder, Mayonnaise, Fruit Preserves, Salt, Tomato Sauce, Chicken Noodle Dinner, Hominy, Cocoa, Pickles, Maraschino Cherries, Cocoanut, Flavoring Extracts for Foods, Chow Chow, Peanut Butter, Raisins, Barley, Baking Chocolate, Apple Butter, Apple Sauce, Coffee, Macaroni, Olive Oil, Dog Food, Prepared Mustard, Oatmeal, Pork and Beans, Distilled Vinegar, Tea, Catsup, Pepper, and Malt Syrup, Gelatine Powder.
Claims use since July 12, 1934.

Ser. No. 355,414. RODERICK P. SCHANCK, doing business as Schanck Citrus Company, East Orange, N. J. Filed Aug. 24, 1934.

San Lucie

For Pure Honey.
Claims use since Mar. 19, 1934.

Ser. No. 355,479. LAKE HAMILTON CITRUS GROWERS ASSOCIATION, Lake Hamilton, Fla. Filed Aug. 27, 1934.

LAKE-H

For Citrus Fruits.
Claims use since Sept. 1, 1920.

Ser. No. 355,701. DRIVER & WOODROW, Wenatchee, Wash. Filed Sept. 4, 1934.

FOUR STAR BRAND

4

The word "Brand" is disclaimed apart from the mark.
For Fresh Deciduous Fruits.
Claims use since Aug. 15, 1934.

Ser. No. 356,317. MUNRO-GAVIN CO., Seattle, Wash. Filed Sept. 22, 1934.

M G

For Canned Fish.
Claims use since Aug. 5, 1934.

Ser. No. 356,320. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Sept. 22, 1934.

BAYOL

For Edible Oils.
Claims use since July 31, 1923.

Ser. No. 356,401. BENICIA FISHERIES, INC., Benicia, Calif. Filed Sept. 25, 1934.

Smacklets

For Canned Fish.
Claims use since January, 1934.

CLASS 47

Wines

Ser. No. 344,751. PHILIP BIRNER, doing business as Del Vino Grape Products Co., New York, N. Y. Filed Dec. 11, 1933.

VINELAND

No claim is made to the word "Vineland" apart from the mark.
For Wines.
Claims use since Nov. 2, 1933.

Ser. No. 345,730. SOCIEDAD VINICOLA S. & L. DURLACHER, Hamburg, Germany. Filed Jan. 6, 1934.

LA CORRIDA

For Wines.
Claims use since 1893.

Ser. No. 349,221. BARTON & GUESTIER, Bordeaux, France. Filed Mar. 28, 1934.

B&G

ROYAL PURPLE

Burgess

BARTON & GUESTIER

For Wines.
Claims use since November, 1933.

Ser. No. 350,880. ANTONIN ESTABLET, Chateauneuf-du-Pape, Vaucluse, France. Filed May 4, 1934.



The notations "Proprietaire & Negociant—Vaucluse, France—Contenance de la Bouteille 70 Cent." are disclaimed apart from the mark.
For Wines.
Claims use since 1930.

Ser. No. 354,141. VEUVE AMIOT, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE. Saint-Hilaire-Saint-Florent (Maine-at-Loire), France. Filed July 20, 1934. Under 10-year proviso.

CRÊMANT DU ROI

Veuve Amiot

Vin Mousseux DRY — St. Hilaire St. Florent (FRANCE)

For Sparkling Wines.
Claims use since 1888.

Ser. No. 355,097. DE ZUTTER SERVICE CORPORATION, New York, N. Y. Filed Aug. 17, 1934.





Applicant disclaims the outline of the label, and all notations on the drawing except "Comte De France", the monogram "TDZSCO" and "The De Zutter Service Corporation" apart from the mark shown on the drawing.
For Champagne.
Claims use since May, 1934.

Ser. No. 355,890. ABRAHAM POUST, doing business as Poust Liquor & Wine Co., New York, N. Y. Filed Sept. 10, 1934.



The drawing is hatched for gold and the inked in portions are intended for black.
For Wines.
Claims use since July 20, 1934.

Ser. No. 356,121. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 17, 1934.

ZIMBRO

For Wines.
Claims use since Aug. 7, 1934.

Ser. No. 356,180. HENRIOT & COMPAGNIE, Reims, France. Filed Sept. 10, 1934.

DEACON

For Wines.
Claims use since 1895.

Ser. No. 356,248. JACQUES JOSEPH MARIE BOLLINGER, Ay, France. Filed Sept. 21, 1934.



All notations on the drawing except the word "Bollinger" are disclaimed
For Champagne Wines.
Claims use since March, 1909.

Ser. No. 356,494. SCLAFANI WINE CORPORATION, Brooklyn, N. Y. Filed Sept. 27, 1934.

SAPORE

For Wines.
Claims use since July 2, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 356,604. ADAM SCHEIDT BREWING CO., Norristown, Pa. Filed Sept. 29, 1934.



For Ale.
Claims use since Dec. 5, 1933.

CLASS 49

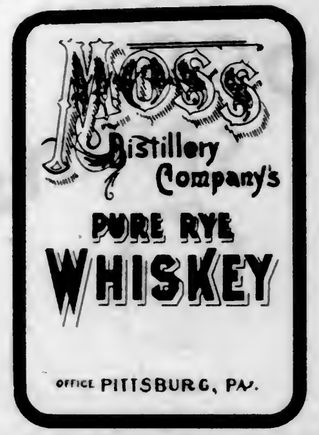
Distilled Alcoholic Liquors

Ser. No. 1,278, (Inter-American Series.) LA SUEVIA, COMPAÑIA LICORERA, S. A., J. del Monte, Habana, Cuba. Filed May 9, 1934. Under General Inter-American Convention for Trade-Mark and Commercial Protection. (Signed at Washington, D. C., Feb. 20, 1929.)

GALGO

Said trade-mark has been registered in Cuba, No. 53,619, dated Mar. 19, 1934, on an application filed June 8, 1933.
For Aguardiente, Rum, Alcohol, and Cognac.

Ser. No. 349,279. ALBERT M. HANAUER, Pittsburgh, Pa. Filed Mar. 29, 1934. Under 10-year proviso.



For Whiskey.
Claims use since Dec. 31, 1881.

Ser. No. 352,876. A. ROSSANO, INC., New York, N. Y. Filed June 19, 1934.

LUCKY ELEPHANT

For Gin.
Claims use since May 20, 1934.

Ser. No. 354,148. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky. Filed July 21, 1934.

OLD HERMITAGE

For Whiskey.
Claims use since 1868.

Ser. No. 355,325. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Aug. 22, 1934.



The drawing is lined for shading.
For Gin.
Claims use since Aug. 18, 1934.

Ser. No. 355,484. Los Angeles Brewing Co., Los Angeles, Calif. Filed Aug. 27, 1934.

GOOD SPIRITS



The words "Good Spirits" are disclaimed apart from the mark. The picture is fanciful.
For Beverage Alcohol.
Claims use since July 10, 1934.

Ser. No. 355,646. Southard & Co. Limited, London, England, and Glasgow, Scotland. Filed Aug. 31, 1934.

Old Matured Scotch



Produce of Scotland — Special Reserve

"Glen Rossie"

IS A CHOICE WHISKY OF GREAT AGE, CONSISTING OF THE FINEST HIGHLAND MALTS AND OTHER SELECTED OLD SCOTCH WHISKIES VATTED BY EXPERTS TO PRODUCE A WHISKY COMBINING ELEGANT BOUQUET AND PALATE WITH RARE CHARACTER. MATURED AT THE DISTILLERIES,

BY

SOUTHARD & Co LTD

LONDON & GLASGOW.

Estt 1844.

All wording with exception of "Glen Rossie" and applicant's name is disclaimed apart from the mark.
For Scotch Whisky.
Claims use since Dec. 30, 1914.

Ser. No. 355,882. William E. Dowling, co-executor of the will of Mary M. Dowling, Lawrenceburg, Ky. Filed Sept. 10, 1934.

"WATERFILL AND FRAZIER"

For Whiskey.
Claims use since 1875.

Ser. No. 355,964. Fairfield Distilling Company, Incorporated, Louisville, Ky. Filed Sept. 12, 1934.



For Whiskey.
Claims use since Aug. 25, 1934.

Ser. No. 356,304. M. S. Griffler Import Company, Inc., New York, N. Y. Filed Sept. 22, 1934.



All wording with exception of "Fairway" and applicant's name is disclaimed.
For Whiskey.
Claims use since Sept. 5, 1934.

Ser. No. 356,424. Park, Benziger & Co., Inc., New York, N. Y. Filed Sept. 25, 1934.

Marquis de Caussade

For Brandy.
Claims use since 1600.

Ser. No. 356,577. James Clark Distilling Corporation, Jersey City, N. J. Filed Sept. 29, 1934.

MOUNTAIN CABIN

For Whiskey.
Claims use since Apr. 24, 1934.

Ser. No. 356,578. James Clark Distilling Corporation, Jersey City, N. J. Filed Sept. 29, 1934.

Tavern Rogue

For Whiskey.
Claims use since Sept. 21, 1934.

Ser. No. 356,594. A. MacDonald & Co., Ltd., Los Angeles, Calif., and London, England. Filed Sept. 29, 1934.

Clan MacDonald



For Whiskey.
Claims use since Sept. 10, 1934.

Ser. No. 356,595. A. MacDonald & Co., Ltd., Los Angeles, Calif. Filed Sept. 29, 1934.

HIGHLAND CASTLE



For Whiskey.
Claims use since Sept. 10, 1934.

Ser. No. 356,625. McKesson & Robbins, Incorporated, Bridgeport, Conn. Filed Oct. 1, 1934.

PASTIME CLUB

No claim is made to the word "Club" apart from the mark.
For Whiskey.
Claims use since 1884.

Ser. No. 356,632. Monmouth Liquor Distributors, Inc., Asbury Park, N. J. Filed Oct. 1, 1934.



The portrait is fanciful.
For Whiskey, Gin, and Brandy.
Claims use since July 25, 1934.

Ser. No. 356,633. Monmouth Liquor Distributors, Inc., Asbury Park, N. J. Filed Oct. 1, 1934.

KIDD'S GOLD

For Whiskey, Gin, and Brandy.
Claims use since July 25, 1934.

Ser. No. 356,653. The Frank L. Wight Distilling Company, Moreley, Md. Filed Oct. 1, 1934.

CONGRESSIONAL CLUB

The word "Club" is disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 12, 1934.

Ser. No. 356,687. Bohemian Distributing Co. Ltd., Los Angeles, Calif. Filed Oct. 3, 1934.

MOUNTAIN SPRINGS

For Whiskey.
Claims use since Apr. 2, 1934.

Ser. No. 356,689. California Growers Wineries, Inc., Fresno, Calif. Filed Oct. 3, 1934.

CARNATION

For Brandy.
Claims use since Sept. 27, 1934.

Ser. No. 356,745. E. L. Spellman Co., Inc., Hoboken, N. J. Filed Oct. 3, 1934.

SAN MATEO

For Rum.
Claims use since June 28, 1934.

Ser. No. 356,754. BARDSTOWN DISTILLERY, INCORPORATED, Bardstown, Ky. Filed Oct. 4, 1934.

BARDS' TOWN

For Whiskey.
Claims use since July 23, 1934.

Ser. No. 356,760. THE DANT DISTILLERY CO., INCORPORATED, Dant, Ky. Filed Oct. 4, 1934.

J. W. Dant

ESTD A 1836 D N T

For Whiskey.
Claims use since 1901.

Ser. No. 356,761. DIAMOND STATE DISTILLING CO., INC., New York, N. Y., and Cheswold, Del. Filed Oct. 4, 1934.

D S D

DIAMOND STATE DISTILLING CO. INC.

The drawing is lined for shading.
For Whiskey, Gin, Rum, Brandy, Cordials, and Cocktails.
Claims use since Sept. 6, 1934.

Ser. No. 356,765. THE SAMUEL FREEDMAN CORPORATION, Cincinnati, Ohio. Filed Oct. 4, 1934.

LICK RUN

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Sept. 1, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 6, 1934

318,753. COTTON PIECE GOODS. WILLIAM SIMPSON, SONS & COMPANY, Philadelphia, Pa.
Filed June 29, 1934. Serial No. 353,356. PUBLISHED AUGUST 28, 1934. Class 42.

318,754. PREPARATION FOR THE TREATMENT OF IRRITATIONS AND DISEASES OF THE SKIN AND SCALP. UFUTA LABORATORIES, INCORPORATED, New York, N. Y.
Filed June 29, 1934. Serial No. 353,362. PUBLISHED AUGUST 28, 1934. Class 6.

318,755. WINE. CLOVER LEAF PRODUCTS COMPANY, Los Angeles, Calif.
Filed June 30, 1934. Serial No. 353,379. PUBLISHED AUGUST 28, 1934. Class 47.

318,756. LUBRICATING OILS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed June 28, 1934. Serial No. 353,274. PUBLISHED AUGUST 28, 1934. Class 15.

318,757. COLORED TRANSFER PAPERS FOR EASTER EGGS IN THE NATURE OF DECALCOMANIA. PAAS DYE COMPANY, Newark, N. J.
Filed June 28, 1934. Serial No. 353,295. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,758. GASOLINE, MOTOR FUEL OILS, LUBRICATING OILS, AND LUBRICATING GREASES. SHORELINE OIL CORPORATION, Shreveport, La., assignor to The Leonard Company, Chicago, Ill., a corporation of Delaware.
Filed June 28, 1934. Serial No. 353,301. PUBLISHED AUGUST 28, 1934. Class 15.

318,759. SILVERWARE POLISH, CLEANING COMPOUNDS—NAMELY, DRY CLEANING PREPARATIONS, RUG CLEANERS, WALL-PAPER CLEANERS, AND OIL SOAP. THE COCHRAN COMPANY, Cleveland, Ohio.
Filed June 29, 1934. Serial No. 353,321. PUBLISHED AUGUST 28, 1934. Class 4.

318,760. A MEDICINAL PREPARATION RECOMMENDED FOR ASTHMA. MANY MOONS CO., Russellville, Ala.
Filed June 27, 1934. Serial No. 353,220. PUBLISHED AUGUST 28, 1934. Class 6.

318,761. A DYEWOOD EXTRACT. AMERICAN DYEWOOD COMPANY, New York, N. Y.
Filed June 28, 1934. Serial No. 353,254. PUBLISHED AUGUST 28, 1934. Class 6.

318,762. CARBURIZING COMPOUNDS, DISINFECTANTS, COMPOUNDS FOR PREVENTING OXIDATION, METAL-CLEANING COMPOUNDS, AND SOLUBLE TALLOW COMPOUNDS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed June 28, 1934. Serial No. 353,273. PUBLISHED AUGUST 28, 1934. Class 6.

318,763. VANITY OR MAKE-UP MIRRORS. ANZELL SPECIALTY MFG. CO., INC., Brooklyn, N. Y.
Filed May 18, 1934. Serial No. 351,489. PUBLISHED AUGUST 28, 1934. Class 32.

318,764. IRON AND WIRE FENCES AND FENCES COMPOSED OF WOOD AND WIRE. FRANK E. NASH, doing business as Frank E. Nash Fence Company, Mount Vernon, N. Y.
Filed May 18, 1934. Serial No. 351,519. PUBLISHED AUGUST 28, 1934. Class 13.

318,765. PILE SUPPOSITORIES AND OINTMENTS. CERTANE CO., INC., Los Angeles, Calif.
Filed May 23, 1934. Serial No. 351,731. PUBLISHED AUGUST 28, 1934. Class 6.

318,766. LAXATIVE BUFFER SALTS (EFFERVESCENT). JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed June 26, 1934. Serial No. 353,191. PUBLISHED AUGUST 28, 1934. Class 6.

318,767. GREEN NICKEL OXIDE, BLACK NICKEL OXIDE, AND FLUX. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed June 27, 1934. Serial No. 353,216. PUBLISHED AUGUST 28, 1934. Class 6.

318,768. GIN, WHISKEY, AND BRANDY. PRICE BROTHERS, Boston, Mass.
Filed July 21, 1934. Serial No. 354,175. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,769. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,220. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,770. GLOSS STARCH, POWDERED AMMONIA AND LAUNDRY TABLETS. JEWEL TEA CO., INC., Barrington, Ill.
Filed December 13, 1932. Serial No. 333,038. PUBLISHED AUGUST 28, 1934. Class 6.

318,771. BEER PUMPS AND AIR PUMPS. THE BISHOP & BABCOCK MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 10, 1933. Serial No. 338,721. PUBLISHED AUGUST 28, 1934. Class 23.

318,772. BEER PUMPS AND AIR PUMPS. THE BISHOP & BABCOCK MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 10, 1933. Serial No. 338,718. PUBLISHED AUGUST 28, 1934. Class 23.

318,773. ICE CREAM. SMITH & CLARK COMPANY, Scranton, Pa.
Filed June 26, 1934. Serial No. 353,185. PUBLISHED SEPTEMBER 4, 1934. Class 46.

318,774. COMBS, PIN CUSHIONS, BOBBY PINS, HAIRPINS, SAFETY PINS, STRAIGHT PINS, SHOE LACES, THIMBLES NOT MADE OF PRECIOUS WARE, BUTTONS, AND ELASTIC WEBBING. LOUIS GREENBERG & SON, INC., New York, N. Y.
Filed June 12, 1934. Serial No. 352,576. PUBLISHED AUGUST 28, 1934. Class 40.

318,775. SALVE USED IN THE TREATMENT OF BOILS, BURNS, FELONS, CARBUNCLES, PILES, CUTS, CORNS, BUNIONS, CHAPPED HANDS, FROZEN LIMBS, ETC. L. KOHL, Pomeroy, Ohio.
Filed June 12, 1934. Serial No. 352,584. PUBLISHED AUGUST 21, 1934. Class 6.

318,776. HEAVY DUTY INTERNAL COMBUSTION ENGINES, POWER UNITS INCLUDING INTERNAL COMBUSTION ENGINES AND ACCESSORIES. HERCULES MOTORS CORPORATION, Canton, Ohio.
Filed June 11, 1931. Serial No. 315,687. PUBLISHED AUGUST 15, 1933. Class 23.

318,777. VEGETABLE OIL PREPARATION FOR DRY SCALP. THOMAS H. NELL, doing business as The Combeasy Co., Long Beach, Calif.
Filed June 30, 1934. Serial No. 353,403. PUBLISHED AUGUST 28, 1934. Class 6.

318,778. A MEDICINAL PREPARATION USED IN THE TREATMENT OF VARIOUS FORMS OF NEURASTHENIA, ANAEMIA, AND LEUCOCYTHAEMIA. HAAS PHARMACY, New York, N. Y.
Filed June 27, 1934. Serial No. 353,462. PUBLISHED AUGUST 28, 1934. Class 6.

318,779. BLANKETS. The Esmond Mills, New York, N. Y.
Filed July 3, 1934. Serial No. 353,471. PUBLISHED AUGUST 28, 1934. Class 42.

318,780. CANNED AND BOTTLED FRUITS AND VEGETABLES, TOMATO JUICE, PICKLES, AND SOUPS. Good Humor Corporation of America, Inc., Brooklyn, N. Y.
Filed June 30, 1934. Serial No. 353,385. PUBLISHED AUGUST 28, 1934. Class 46.

318,781. POTATO CHIPS. Good Humor Corporation of America, Inc., Brooklyn, N. Y.
Filed June 30, 1934. Serial No. 353,386. PUBLISHED AUGUST 28, 1934. Class 46.

318,782. COFFEE BEANS AND GROUND COFFEE. Good Humor Corporation of America, Inc., Brooklyn, N. Y.
Filed June 30, 1934. Serial No. 353,387. PUBLISHED AUGUST 28, 1934. Class 46.

318,783. A MEDICINAL PREPARATION FOR THE TREATMENT OF DISORDERS OF THE PERIPHERAL CIRCULATORY SYSTEM AND FOR STIMULATION OF THE PARA-SYMPATHETIC NERVOUS SYSTEM. Merck & Co., Inc., Rahway, N. J.
Filed June 29, 1934. Serial No. 353,346. PUBLISHED AUGUST 28, 1934. Class 6.

318,784. WINES. N. Wasserstrom & Sons, Inc., doing business as La Belle Products Co., Columbus, Ohio.
Filed June 23, 1934. Serial No. 353,102. PUBLISHED AUGUST 28, 1934. Class 47.

318,785. DENATURED ALCOHOL. William S. Gray & Co., New York, N. Y.
Filed June 25, 1934. Serial No. 353,129. PUBLISHED AUGUST 28, 1934. Class 6.

318,786. FERMENTED GRAPEFRUIT JUICE (ALCOHOLIC). Perfect Packers, Tampa, Fla.
Filed June 25, 1934. Serial No. 353,141. PUBLISHED AUGUST 28, 1934. Class 47.

318,787. WINE. Aztec Buying Corp., Los Angeles, Calif.
Filed June 23, 1934. Serial No. 353,054. PUBLISHED AUGUST 28, 1934. Class 47.

318,788. DRESS SHIELDS. I. B. Kleinert Rubber Company, New York, N. Y.
Filed June 23, 1934. Serial No. 353,071. PUBLISHED AUGUST 28, 1934. Class 40.

318,789. SCREWS, DRIVE SCREWS, DRIVE PINS, SCREW NAILS, NAILS, RIVETS, WING NUTS, CAP NUTS, AND STUDS. Parker-Kalon Corporation, New York, N. Y.
Filed June 23, 1934. Serial No. 353,076. PUBLISHED AUGUST 28, 1934. Class 13.

318,790. BUTTONS. Lindenhurst Manufacturing Company, Lindenhurst, Long Island, N. Y.
Filed June 23, 1934. Serial No. 353,077. PUBLISHED AUGUST 28, 1934. Class 40.

318,791. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Joseph S. Finch & Company, Schenley, Pa., assignor to R. C. Williams & Company, Inc., New York, N. Y.
Filed July 10, 1934. Serial No. 353,713. PUBLISHED AUGUST 14, 1934. Class 49.

318,792. CEREAL BREAKFAST FOOD. George Lawrence Hogland, doing business as Sunshine State Cereal Co., Albuquerque, N. Mex.
Filed June 22, 1934. Serial No. 353,018. PUBLISHED AUGUST 28, 1934. Class 46.

318,793. PERFUMES, TOILET WATERS, ROUGES, ETC. Moon Glow Cosmetic Company, Ltd., Hollywood, Calif.
Filed June 22, 1934. Serial No. 353,032. PUBLISHED AUGUST 28, 1934. Class 6.

318,794. HAIR RINSE TABLET. Aladdin Laboratories, Inc., Minneapolis, Minn.
Filed June 23, 1934. Serial No. 353,050. PUBLISHED AUGUST 21, 1934. Class 6.

318,795. CORN FLAKES, BREAD, CREAMERY BUTTER, FRUIT PRESERVES, HONEY, JELLY, AND OLIVES. The Kroger Grocery & Baking Company, Cincinnati, Ohio.
Filed April 10, 1933. Serial No. 336,614. PUBLISHED AUGUST 28, 1934. Class 46.

318,796. GARTERS, GARTER BELTS, AND HOSE SUPPORTERS. Gem-Dandy Garter Co., Madison, N. C.
Filed March 24, 1933. Serial No. 336,041. PUBLISHED AUGUST 28, 1934. Class 39.

318,797. WINES. Thrifty Drug Co. Ltd., doing business as Thrifty Drug Stores, Los Angeles, Calif.
Filed June 25, 1934. Serial No. 353,160. PUBLISHED AUGUST 28, 1934. Class 47.

318,798. WINES. N. Wasserstrom & Sons, Inc., also doing business as ElRico Products Company, Columbus, Ohio.
Filed June 27, 1934. Serial No. 353,163. PUBLISHED AUGUST 28, 1934. Class 47.

318,799. PUBLICATION ISSUED EVERY OTHER MONTH. Winford Publications, Inc., New York, N. Y.
Filed June 26, 1934. Serial No. 353,190. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,800. STILL AND SPARKLING WINES. Ed. Kressmann & Co., Bordeaux, France.
Filed June 7, 1934. Serial No. 352,382. PUBLISHED AUGUST 28, 1934. Class 47.

318,801. LINIMENT FOR TREATING SORE AND STIFF MUSCLES, STRAINS, SPRAINS, AND BRUISES. Virginia Lotion Company, Norton, Va.
Filed June 4, 1934. Serial No. 352,273. PUBLISHED AUGUST 28, 1934. Class 6.

318,802. CLEANSING COMPOUND USED AS AN INDUSTRIAL CLEANING MATERIAL FOR REMOVING DIRT AND OTHER FOREIGN SUBSTANCES FROM METAL SURFACES AND OTHER SURFACES AND FOR GENERAL CLEANING PURPOSES IN POWER PLANTS, DAIRIES, AND THE LIKE; FOR WASHING TRUCKS, AUTOMOBILES, MOTOR PARTS, AND FOR SIMILAR PURPOSES. Oakite Products, Inc., New York, N. Y.
Filed January 18, 1934. Serial No. 346,212. PUBLISHED AUGUST 28, 1934. Class 4.

318,803. POLISH FOR PIANOS, FURNITURE, LEATHER UPHOLSTERING, AND AUTOMOBILES. Harry H. Brown, Gloversville, N. Y.
Filed January 19, 1934. Serial No. 346,230. PUBLISHED MARCH 13, 1934. Class 16.

318,804. STILL AND SPARKLING WINES. Ed. Kressmann & Co., Bordeaux, France.
Filed June 7, 1934. Serial No. 352,383. PUBLISHED AUGUST 28, 1934. Class 47.

318,805. METALLIC EXPANDING DEVICES FOR KEEPING THE SPLIT SKIRT PORTIONS OF PISTONS EXPANDED AND TOOLS FOR INSTALLING PISTON RINGS ON PISTONS. The Perfect Circle Company, Hagerstown, Ind.
Filed January 13, 1934. Serial No. 346,012. PUBLISHED AUGUST 28, 1934. Class 23.

318,806. PISTON RINGS. The Perfect Circle Company, Hagerstown, Ind.
Filed January 13, 1934. Serial No. 346,013. PUBLISHED AUGUST 28, 1934. Class 35.

318,807. LEAD PENCILS. American Lead Pencil Company, New York, N. Y.
Filed January 16, 1934. Serial No. 346,100. PUBLISHED SEPTEMBER 4, 1934. Class 37.

318,808. UNFRAMED MIRRORS—NAMELY, MIRRORS FOR LADIES' COMPACT CASES, HANDBAG MIRRORS, AND EASEL MIRRORS. Centa Trading Corporation, New York, N. Y.
Filed December 16, 1933. Serial No. 345,007. PUBLISHED FEBRUARY 6, 1934. Class 32.

318,809. COMBINATION ELECTRIC BRIDGE LAMPS AND TABLE AND ASH TRAY. Frank W. Alling, doing business as George E. Alling & Sons, Winsted, Conn.
Filed December 19, 1933. Serial No. 345,091. PUBLISHD AUGUST 28, 1934. Class 21.

318,810. PISTON RINGS. The Perfect Circle Company, Hagerstown, Ind.
Filed January 13, 1934. Serial No. 346,011. PUBLISHED AUGUST 28, 1934. Class 35.

318,811. ADHESIVE IN THE NATURE OF GLUE WHICH HAS INCIDENTAL FINISHING AGENT PROPERTIES. O. A. Johannes Hauschild, doing business as J. John Nchf., Dresden, Germany.
Filed November 9, 1933. Serial No. 343,471. PUBLISHED JUNE 19, 1934. Class 5.

318,812. CONFECTIONERY—NAMELY, CHOCOLATE. Hershey Chocolate Corporation, Hershey, Pa.
Filed November 21, 1933. Serial No. 343,922. PUBLISHED AUGUST 28, 1934. Class 46.

318,813. WHISKY. William Whiteley & Co., Inc., Dover, Del.
Filed November 29, 1933. Serial No. 344,305. PUBLISHED JANUARY 9, 1934. Class 49.

318,814. COGNAC. Delamain & Company, Jarnac-Cognac, France.
Filed December 7, 1933. Serial No. 344,581. PUBLISHED JUNE 5, 1934. Class 49.

318,815. LADIES' COIFFURE CAPS. The Narrow Fabric Co., West Reading, Pa.
Filed November 1, 1933. Serial No. 343,134. PUBLISHED AUGUST 28, 1934. Class 39.

318,816. WHISKEY. D. H. & J. H. Carstairs, Philadelphia, Pa., assignors to Carstairs Bros. Distilling Co., Philadelphia, Pa., a corporation of Pennsylvania.
Filed November 2, 1933. Serial No. 343,160. PUBLISHED JANUARY 16, 1934. Class 49.

318,817. SPRING ASSEMBLIES FOR UPHOLSTERY AND MATTRESSES AND UPON CUSHIONS AND MATTRESSES CONTAINING THE PARTICULAR TYPE OF SPRING ASSEMBLY TO WHICH THE TRADE-MARK IS APPROPRIATED. Nachman Spring-Filled Corporation, Chicago, Ill.
Filed November 6, 1933. Serial No. 343,297. PUBLISHED AUGUST 28, 1934. Class 32.

318,818. ALCOHOLIC CORDIALS. Etablissements Abel Bresson, Societe Anonyme, Beziers, France.
Filed June 21, 1934. Serial No. 352,972. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,819. ALCOHOLIC CORDIALS AND APERITIFS. Etablissements Abel Bresson, Societe Anonyme, Beziers, France.
Filed June 21, 1934. Serial No. 352,970. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,820. PORTER, ALE, AND STOUT. Cataract Brewing Co., Inc. of Rochester, N. Y., Rochester, N. Y.
Filed October 9, 1933. Serial No. 342,257. PUBLISHED AUGUST 28, 1934. Class 48.

318,821. BEAUTY AND FACIAL PREPARATIONS—NAMELY, SKIN NORMALIZER, SKIN TONIC, ASTRINGENT, FOUNDATION CREAM, AND CLEANSING CREAM. The House of Tre-Jur, Inc., doing business as Chartre Institute Inc., New York, N. Y.
Filed October 30, 1933. Serial No. 343,057. PUBLISHED AUGUST 28, 1934. Class 6.

318,822. LIQUID PAINTLIKE COATINGS WITH AND WITHOUT PIGMENTS WHICH HARDEN AND FORM PROTECTING FILMS. Pennsylvania Oil Specialties Company, Petrolia, Pa.
Filed June 21, 1934. Serial No. 352,987. PUBLISHED AUGUST 28, 1934. Class 16.

318,823. RUBBER BOOTS, OVERSHOES, AND ARCTICS; RUBBER SANDALS OR RUBBERS, LEATHER SHOES, AND RUBBER HEELS. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed June 21, 1934. Serial No. 352,986. PUBLISHED AUGUST 28, 1934. Class 39.

318,824. HAIR TONIC. Nick Mavrakis, Baltimore, Md.
Filed June 21, 1934. Serial No. 352,983. PUBLISHED AUGUST 21, 1934. Class 6.

318,825. INSECTICIDES. William Cooper & Nephews, Incorporated, Chicago, Ill.
Filed May 25, 1934. Serial No. 351,852. PUBLISHED AUGUST 21, 1934. Class 6.

318,826. COMPOSITION FOR WELDING CRACKS AND LEAKS, AND A SOLVENT FOR REMOVING RUST, SCALE, AND CORROSION. Kema Products Corporation, Chicago, Ill.
Filed May 24, 1934. Serial No. 351,815. PUBLISHED AUGUST 28, 1934. Class 6.

318,827. SOLVENT FOR REMOVING RUST, SCALE AND CORROSION. Kema Products Corporation, Chicago, Ill.
Filed May 24, 1934. Serial No. 351,814. PUBLISHED AUGUST 21, 1934. Class 6.

318,828. PREPARATION FOR REMOVING COLORS FROM ALL FABRICS AND STAINS FROM WHITE GOODS. North American Dye Corporation, Mount Vernon, N. Y.
Filed July 16, 1934. Serial No. 353,942. PUBLISHED AUGUST 28, 1934. Class 6.

318,829. CRISP FOOD PRODUCT MADE FROM PURE CORN SUITABLE FOR USE AS A SUBSTITUTE FOR SALTED CRACKERS, AS A SUBSTITUTE FOR NOODLES IN CHINESE DISHES SUCH AS CHOW MEIN, AND AS A BREAKFAST FOOD. Harry J. Maher, St. Louis, Mo.
Filed July 18, 1934. Serial No. 354,047. PUBLISHED AUGUST 28, 1934. Class 46.

318,830. SILVERWARE, PARTICULARLY FLAT SILVER TABLEWARE. General Mills, Inc., Minneapolis, Minn.
Filed July 19, 1934. Serial No. 354,084. PUBLISHED AUGUST 28, 1934. Class 28.

318,831. WHISKY AND GIN. Greenspan Bros. Co., Perth Amboy, N. J.
Filed July 14, 1934. Serial No. 353,886. PUBLISHED AUGUST 21, 1934. Class 49.

318,832. SANDPAPER, ABRASIVE PAPER, AND ABRASIVE CLOTH. The American Floor-Surfacing Machine Company, Toledo, Ohio.
Filed July 16, 1934. Serial No. 353,909. PUBLISHED AUGUST 28, 1934. Class 4.

318,833. GAS STOVES AND RANGES. The Moore Corporation, Joliet, Ill.
Filed July 16, 1934. Serial No. 353,940. PUBLISHED AUGUST 28, 1934. Class 34.

318,834. LIQUID AND PASTE PAINTS, PAINT PRIMERS, AND PAINT ENAMELS AND LACQUERS. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed July 11, 1934. Serial No. 353,788. PUBLISHED AUGUST 28, 1934. Class 16.

318,835. TOOTH POWDER. Emma E. Raiche, doing business as Vigum Laboratories Co., Milwaukee, Wis.
Filed July 12, 1934. Serial No. 353,820. PUBLISHED AUGUST 28, 1934. Class 6.

318,836. CITRUS FRUITS, ORANGES, AND GRAPE FRUIT. Max H. Ahrendt, doing business as Manatee Hammock Fruit Co., Manatee, Fla.
Filed July 13, 1934. Serial No. 353,836. PUBLISHED AUGUST 28, 1934. Class 46.

318,837. PREPARATION FOR MANICURING AND CARING FOR THE HANDS. Allcock Manufacturing Company, Ossining, N. Y.
Filed July 11, 1934. Serial No. 353,743. PUBLISHED AUGUST 28, 1934. Class 6.

318,838. WHISKEY. Edward J. Goldie Importation Co., San Francisco, Calif.
Filed July 11, 1934. Serial No. 353,756. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,839. PLUMBS, LEVELS, SQUARES, RULES, MEASURING TAPES, DIVIDERS, AND CALIPERS. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind.
Filed July 11, 1934. Serial No. 353,781. PUBLISHED AUGUST 28, 1934. Class 26.

318,840. MONTHLY PUBLICATION. GERNSBACK PUBLICATIONS, INC., New York, N. Y.
Filed June 9, 1934. Serial No. 352,483. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,841. MONTHLY PUBLICATION. GERNSBACK PUBLICATIONS, INC., New York, N. Y.
Filed June 9, 1934. Serial No. 352,484. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,842. WHISKY. GOODERHAM & WORTS, LTD., Toronto, Ontario, Canada, assignor to Gooderham & Worts Limited, Detroit, Mich., a company of Delaware.
Filed June 11, 1934. Serial No. 352 532. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,843. DENTIFRICE, MOUTH WASH AND GARGLE. SPEED CHEMICAL COMPANY, Milledgeville, Ga.
Filed June 8, 1934. Serial No. 352,453. PUBLISHED AUGUST 28, 1934. Class 6.

318,844. MONTHLY PUBLICATION. GERNSBACK PUBLICATIONS, INC., New York, N. Y.
Filed June 9, 1934. Serial No. 352 481. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,845. MONTHLY PUBLICATION. GERNSBACK PUBLICATIONS, INC., New York, N. Y.
Filed June 9, 1934. Serial No. 352,482. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,846. RAZOR BLADES. HARRY BERSE, New York, N. Y., assignor to Essex Razor Blade Corporation, Jersey City, N. J., a corporation of New Jersey.
Filed June 8, 1934. Serial No. 352,421. PUBLISHED AUGUST 28, 1934. Class 23.

318,847. COTTON GOODS IN THE PIECE—NAMELY, COTTON FLANNELETTE. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y.
Filed June 8, 1934. Serial No. 352,429. PUBLISHED AUGUST 28, 1934. Class 42.

318,848. GERMAN WINES. H. SICHEL & SONS LIMITED, London, England.
Filed June 8, 1934. Serial No. 352,452. PUBLISHED AUGUST 28, 1934. Class 47.

318,849. GIN, WHISKEY, ALCOHOLIC CORDIALS, RUM, AND BRANDIES. GEORGE VIRGA, Detroit, Mich.
Filed May 7, 1934. Serial No. 351,042. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,850. PORT WINE. DELAFORCE SONS & CO., Vila Nova de Gaia, Portugal.
Filed May 9, 1934. Serial No. 351,108. PUBLISHED AUGUST 28, 1934. Class 47.

318,851. RUM. AMERICAN SPIRITS, INC., New York, N. Y.
Filed June 8, 1934. Serial No. 352,416. PUBLISHED AUGUST 14, 1934. Class 49.

318,852. CAPSULES FOR COLDS. CHARLES ELLIS HALL, Lynchburg, Va.
Filed May 16, 1934. Serial No. 351,408. PUBLISHED AUGUST 21, 1934. Class 6.

318,853. RUM. MCKESSON & ROBBINS, INCORPORATED, Fairfield and Bridgeport, Conn.
Filed May 17, 1934. Serial No. 351,472. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,854. MICROPHONES AND ASSEMBLED ELECTRICAL UNITS FOR AMPLIFYING SOUND. SUMNER G. MILLBURN, doing business as The Voice Relay Company, Cedar Rapids, Iowa.
Filed May 7, 1934. Serial No. 351,022. PUBLISHED AUGUST 28, 1934. Class 21.

318,855. PREPARED MUSTARD. STICKNEY & POOR SPICE CO., Boston, Mass.
Filed July 19, 1934. Serial No. 354,098. PUBLISHED AUGUST 28, 1934. Class 46.

318,856. VEGETABLE JUICES. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed July 19, 1934. Serial No. 354,104. PUBLISHED AUGUST 28, 1934. Class 46.

318,857. PROPELLING PENCILS. JOHN HENRY GORDON LAWFORD, Hythe, England.
Filed May 14, 1934. Serial No. 351,338. PUBLISHED SEPTEMBER 4, 1934. Class 37.

318,858. WINES. RAWLINGS & SONS (LONDON) LIMITED, London, England.
Filed May 31, 1934. Serial No. 352,102. PUBLISHED AUGUST 28, 1934. Class 47.

318,859. WINES. BATTISTA CELLA, doing business as Roma Wine Company, Lodi, Calif.
Filed May 31, 1934. Serial No. 352,068. PUBLISHED AUGUST 28, 1934. Class 47.

318,860. NEWSPAPER CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 20, 1934. Serial No. 352,908. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,861. ADVOCAAT, DUTCH EGGNOG. G. E. W. HOUWELING, doing business as De Erven Wed. H. Warnink, Amsterdam, Netherlands.
Filed June 4, 1934. Serial No. 352,245. PUBLISHED JULY 17, 1934. Class 49.

318,862. WHISKEY. IRISH HILLS DISTILLERIES, INC., Detroit, Mich.
Filed June 2, 1934. Serial No. 352,180. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,863. WHISKEY. IRISH HILLS DISTILLERIES, INC., Detroit, Mich.
Filed June 2, 1934. Serial No. 352,185. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,864. WHISKEY. IRISH HILLS DISTILLERIES, INC., Detroit, Mich.
Filed June 2, 1934. Serial No. 352,184. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,865. WINES. RAWLINGS & SONS (LONDON) LIMITED, London, England.
Filed May 31, 1934. Serial No. 352,105. PUBLISHED AUGUST 28, 1934. Class 47.

318,866. TAR REMOVER PREPARATION, RADIATOR STOP LEAK, HYDRAULIC BRAKE FLUID, CARBON REMOVER PREPARATION, HYDRAULIC SHOCK ABSORBER FLUID, RADIATOR CLEANING COMPOUND, RADIATOR SEAL, A PREPARATION THAT IS ADDED TO THE LIQUID INSIDE THE RADIATOR. ALL-STAR PRODUCTS COMPANY, York, Pa.
Filed June 13, 1934. Serial No. 352,601. PUBLISHED AUGUST 21, 1934. Class 6.

318,867. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. LOS ANGELES BREWING CO., Los Angeles, Calif.
Filed September 8, 1933. Serial No. 341,432. PUBLISHED JUNE 19, 1934. Class 48.

318,868. GIN AND WHISKEY. R. C. WILLIAMS & CO., INC., New York, N. Y.
Filed June 28, 1934. Serial No. 353,311. PUBLISHED AUGUST 7, 1934. Class 49.

318,869. HOSE COUPLINGS. THE FLEX-O-TUBE COMPANY, Detroit, Mich.
Filed June 21, 1934. Serial No. 352,996. PUBLISHED AUGUST 28, 1934. Class 13.

318,870. HYDROCARBON SOLVENTS FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed June 14, 1934. Serial No. 352,682. PUBLISHED AUGUST 28, 1934. Class 6.

318,871. FACE CREAM, FACE POWDER, FACE MASKS, FACE LOTION, FACE BALM, FACE OIL. HOUSE OF CASTLEBERRY, INC., New York, N. Y.
Filed June 14, 1934. Serial No. 352,669. PUBLISHED AUGUST 21, 1934. Class 6.

318,872. A PHARMACEUTICAL PREPARATION IN THE FORM OF A LAXATIVE CONFECTION. MORRIS B. FRIEDMAN, Philadelphia, Pa.
Filed June 13, 1934. Serial No. 352,612. PUBLISHED AUGUST 28, 1934. Class 6.

318,873. RAZOR BLADES. JOSEPH SMITH, New York, N. Y.
Filed June 16, 1934. Serial No. 352,801. PUBLISHED AUGUST 28, 1934. Class 23.

318,874. NATURAL MINERAL WATER CRYSTALS. DIAMOND MINERAL WATER CORPORATION, Dallas, Tex.
Filed June 16, 1934. Serial No. 352,782. PUBLISHED AUGUST 21, 1934. Class 6.

318,875. HYDROCARBON SOLVENTS FOR USE WITH PAINTS, LACQUERS, AND SIMILAR PRODUCTS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed June 14, 1934. Serial No. 352,683. PUBLISHED AUGUST 21, 1934. Class 16.

318,876. PURIFIED PROTEIN DERIVATIVE USED FOR INTRADERMAL TEST IN THE DIAGNOSIS OF TUBERCULOSIS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 18, 1934. Serial No. 352,834. PUBLISHED AUGUST 28, 1934. Class 6.

318,877. DEPILATORIES. MRS. PHILIP E. CREGIER, doing business as Nanex Products, New York, N. Y.
Filed June 18, 1934. Serial No. 352,818. PUBLISHED AUGUST 28, 1934. Class 6.

318,878. WAVE SET AND BODY DEODORANT. CLARK-HOOVER, INC., South Bend, Ind.
Filed June 18, 1934. Serial No. 352,816. PUBLISHED AUGUST 28, 1934. Class 6.

318,879. NEWSPAPER CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed June 20, 1934. Serial No. 352,907. PUBLISHED SEPTEMBER 4, 1934. Class 38.

318,880. LEATHER SHOES IN GENERAL. SUPERFLEX WELT CORPORATION, New York, N. Y.
Filed June 19, 1934. Serial No. 352,879. PUBLISHED AUGUST 28, 1934. Class 39.

318,881. VERMOUTH. ETABLISSEMENTS ABEL BRESSON, SOCIETE ANONYME, Beziers, France.
Filed June 19, 1934. Serial No. 352,854. PUBLISHED AUGUST 28, 1934. Class 47.

318,882. BOOK PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed March 15, 1934. Serial No. 348,648. PUBLISHED SEPTEMBER 4, 1934. Class 37.

318,883. POWDERED COMPOSITION, INCLUDING MILK, LIME, MALTOSE, SUGAR, COD LIVER OIL, AND BUTTER FAT, USED AS A BASE FOR FOOD BEVERAGES. MICKY MALTO PRODUCTS CO., San Francisco, Calif.
Filed March 19, 1394. Serial No. 348,820. PUBLISHED AUGUST 21, 1934. Class 6.

318,884. MEDICINAL PREPARATION FOR TREATING PILES AND ASSOCIATED AILMENTS. GREGORIO CIVELLO, Alliance, Ohio.
Filed May 29, 1934. Serial No. 352,030. PUBLISHED AUGUST 21, 1934. Class 6.

318,885. OXIDE OF ANTIMONY AND PIGMENTS MADE THEREFROM HAVING A COMBINATION OF USES. TEXAS MINING & SMELTING COMPANY, Laredo, Texas.
Filed March 6, 1934. Serial No. 348,256. PUBLISHED AUGUST 21, 1934. Class 6.

318,886. LIQUID NAIL POLISH REMOVER. SCHNEFEL BROTHERS INC., Newark, N. J.
Filed March 12, 1934. Serial No. 348,525. PUBLISHED AUGUST 21, 1934. Class 6.

318,887. WINES. GIMBEL BROTHERS, INC., New York, N. Y.
Filed March 13, 1934. Serial No. 348,544. PUBLISHED AUGUST 28, 1934. Class 47.

318,888. MEDICATED VANISHING SKIN CREAM. DANDRO-SOL LABORATORIES, INC., Baltimore, Md.
Filed March 2, 1934. Serial No. 348,062. PUBLISHED AUGUST 28, 1934. Class 6.

318,889. AN UNGUENT FOR USE IN THE TREATMENT OF RHEUMATISM, ISCHIAGRA, NEURALGIA, AND LUMBAGO. HEINRICH MACK NACHF, Ulm, Germany.
Filed March 2, 1934. Serial No. 348,083. PUBLISHED AUGUST 28, 1934. Class 6.

318,890. PREPARATION FOR INTRA-MUSCULAR INJECTION OF AURO-THIOMALATE DE SODIUM IN SOLUTION OR IN SUSPENSION, IN THE TREATMENT OF PULMONARY TUBERCULOSIS. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed March 3, 1934. Serial No. 348,145. PUBLISHED AUGUST 21, 1934. Class 6.

318,891. PUMPS AND PARTS THEREOF. THE LA BOUR COMPANY, INC., Elkhart, Ind.
Filed February 19, 1934. Serial No. 347,581. PUBLISHED AUGUST 28, 1934. Class 23.

318,892. STILL WINES. SOCIEDADE DOS VINHOS, ANTONIO FERREIRA MENERES, SUCCESSOR, Vila Nova de Gaia, Oporto, Portugal.
Filed February 21, 1934. Serial No. 347,701. PUBLISHED AUGUST 28, 1934. Class 47.

318,893. WHISKY. HIGGINBOTHAM & ISON LIMITED, Manchester, England.
Filed February 27, 1934. Serial No. 347,910. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,894. LUBRICATING OILS AND LUBRICATING GREASES. PLEE-ZING, INC., Chicago, Ill.
Filed January 20, 1934. Serial No. 346,281. PUBLISHED AUGUST 28, 1934. Class 15.

318,895. BRANDIES. ETABLISSEMENTS VIOLLETTE, INC., New York, N. Y.
Filed January 31, 1934. Serial No. 346,769. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,896. COUGH SYRUP. JOHN CARBONARO, Auburn, N. Y.
Filed February 5, 1934. Serial No. 346,949. PUBLISHED AUGUST 21, 1934. Class 6.

318,897. WINE. THE GRIFFLER WINE COMPANY, INC., New York, N. Y.
Filed February 12, 1934. Serial No. 347,279. PUBLISHED AUGUST 28, 1934. Class 47.

318,898. WINES. SOUTHARD & CO. LIMITED, London, England.
Filed May 28, 1934. Serial No. 352,017. PUBLISHED AUGUST 28, 1934. Class 47.

318,899. WINES. BATTISTA CELLA, doing business as Roma Wine Company, Lodi, Calif.
Filed May 28, 1934. Serial No. 351,967. PUBLISHED AUGUST 28, 1934. Class 47.

318,900. WINES. BATTISTA CELLA, doing business as Roma Wine Company, Lodi, Calif.
Filed May 28, 1934. Serial No. 351,966. PUBLISHED AUGUST 28, 1934. Class 47.

318,901. MEDICINE AND PHARMACEUTICAL PREPARATION TO BE USED FOR SKIN IRRITATIONS AND INFECTIONS SUCH AS BOILS, ITCH, INSECT BITES, ECZEMA, IVY POISONING, AND ATHLETE'S FOOT, ETC. ARTHUR W. DUER, Snow Hill, Md.
Filed May 26, 1934. Serial No. 351,909. PUBLISHED AUGUST 21, 1934. Class 6.

318,902. CERTAIN NAMED WEARING APPAREL. FRED BUTTERFIELD & CO., INC., New York, N. Y.
Filed May 26, 1934. Serial No. 351,904. PUBLISHED AUGUST 28, 1934. Class 39.

318,903. WOMEN'S HATS. PRINCESS PAT HATS, INC., New York, N. Y.
Filed May 25, 1934. Serial No. 351,870. PUBLISHED AUGUST 28, 1934. Class 39.

318,904. INSECTICIDES AND DRESSING FOR THE DESTRUCTION OF SARCOPTIC MANGE ON THE SKIN OF ANIMALS. William Cooper & Nephews, Incorporated, Chicago, Ill.
Filed May 25, 1934. Serial No. 351,853. PUBLISHED AUGUST 21, 1934. Class 6.

318,905. WHISKEY. Friedman, Keiler & Company, Incorporated, Paducah, Ky.
Filed August 3, 1934. Serial No. 354,007. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,906. PAVERS. Adnun Engineering & Manufacturing Company, Nunda, N. Y.
Filed July 19, 1934. Serial No. 354,065. PUBLISHED AUGUST 28, 1934. Class 23.

318,907. CANDIES. John G. Dieter & Sons, Inc., Williamsport, Pa.
Filed July 19, 1934. Serial No. 354,072. PUBLISHED AUGUST 28, 1934. Class 46.

318,908. WHISKEY. W. G. Bond, Inc., Baltimore, Md.
Filed August 2, 1934. Serial No. 354,550. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,909. WHISKEY. W. G. Bond, Inc., Baltimore, Md.
Filed August 2, 1934. Serial No. 354,551. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,910. WHISKEY. Frankfort Distilleries, Incorporated, Louisville, Ky.
Filed August 3, 1934. Serial No. 354,604. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,911. WHISKEY, GIN, CORDIALS, AND BRANDY. Consolidated Liquor Distributors, Inc., Jersey City, N. J.
Filed August 1, 1934. Serial No. 354,505. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,912. WHISKEY. W. G. Bond, Inc., Baltimore, Md.
Filed August 2, 1934. Serial No. 354,548. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,913. WHISKEY. W. G. Bond, Inc., Baltimore, Md.
Filed August 2, 1934. Serial No. 354,549. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,914. RELAYS AND ELECTRICAL SWITCH EQUIPMENT, INCLUDING AND CONTROLLED BY RELAYS. Weston Electrical Instrument Corporation, Newark, N. J.
Filed July 9, 1934. Serial No. 353,690. PUBLISHED AUGUST 28, 1934. Class 21.

318,915. A PREPARATION FOR CLEANING WINDOWS, MIRRORS, WINDSHIELDS, AND GLASS SURFACES. Elmore W. Hagadorn, doing business as Finishine Laboratories, Syracuse, N. Y.
Filed July 6, 1934. Serial No. 353,569. PUBLISHED AUGUST 28, 1934. Class 4.

318,916. PNEUMATIC RUBBER TIRES FOR VEHICLES. The Pharis Tire and Rubber Company, Newark, Ohio.
Filed July 6, 1934. Serial No. 353,578. PUBLISHED AUGUST 28, 1934. Class 35.

318,917. WHISKEY. Hirsch Distilling Company, Kansas City, Mo.
Filed July 9, 1934. Serial No. 353,653. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,918. GIN. Mississippi Valley Liquor Company, St. Louis, Mo.
Filed July 5, 1934. Serial No. 353,531. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,919. WHISKEY. Mississippi Valley Liquor Company, St. Louis, Mo.
Filed July 5, 1934. Serial No. 353,532. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,920. WINES. Lewis Guerrieri, doing business as California Mission Vintage Co., Los Angeles, Calif.
Filed July 6, 1934. Serial No. 353,567. PUBLISHED AUGUST 28, 1934. Class 47.

318,921. GOLD AND PLATINUM WEDDING RINGS. Oswald M. Resen, New York, N. Y.
Filed July 3, 1934. Serial No. 353,486. PUBLISHED AUGUST 28, 1934. Class 28.

318,922. WINES. Th. J. Dubos & Fils Freres, Bordeaux, France.
Filed July 5, 1934. Serial No. 353,504. PUBLISHED AUGUST 28, 1934. Class 47.

318,923. WHISKEY. Mississippi Valley Liquor Company, St. Louis, Mo.
Filed July 5, 1934. Serial No. 353,530. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,924. GIN, WHISKEY, AND BRANDY. Price Brothers, Boston, Mass.
Filed July 21, 1934. Serial No. 354,174. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,925. WHISKEY. Samuel Kunin & Sons, Inc., Chicago, Ill.
Filed August 3, 1934. Serial No. 354,614. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,926. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; AND VANITY CASES, CIGARETTE CASES, POWDER BOXES, AND MESH BAGS MADE OF PRECIOUS METAL. Gutenstein Brothers, New York, N. Y.
Filed July 3, 1934. Serial No. 353,475. PUBLISHED AUGUST 28, 1934. Class 28.

318,927. GARDEN AND AGRICULTURAL TOOLS—NAMELY, HAND PLANTERS, CULTIVATORS, RAKES, HAND PLOWS, WEEDING CLAWS, HOES, AND FOR WOODEN TOOL HANDLES FOR SUCH GARDEN AND AGRICULTURAL IMPLEMENTS. Gardex, Inc., Wilmington, Del., and Michigan City, Ind.
Filed July 19, 1934. Serial No. 354,076. PUBLISHED AUGUST 28, 1934. Class 23.

318,928. GIN. Lorber Mercantile Company, Kansas City, Mo.
Filed July 21, 1934. Serial No. 354,162. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,929. GIN, WHISKEY, AND BRANDY. Price Brothers, Boston, Mass.
Filed July 21, 1934. Serial No. 354,171. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,930. GARTERS, SUSPENDERS, BELTS, AND ARM BANDS. American Suspender Company, Cincinnati, Ohio.
Filed March 28, 1934. Serial No. 349,215. PUBLISHED AUGUST 28, 1934. Class 39.

318,931. READY MIXED PAINT, VARNISHES, STAINS, AND PAINT ENAMELS. General Paint & Varnish Co., Chicago, Ill.
Filed March 28, 1934. Serial No. 349,234. PUBLISHED AUGUST 21, 1934. Class 16.

318,932. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind.
Filed July 31, 1934. Serial No. 354,476. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,933. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind.
Filed July 31, 1934. Serial No. 354,477. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,934. ASBESTOS BRAKE LINING. Scandinavia Belting Company, Newark, N. J.
Filed March 23, 1934. Serial No. 349,034. PUBLISHED AUGUST 28, 1934. Class 35.

318,935. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Felsen Tobacco Co., Inc., East St. Louis, Ill.
Filed July 30, 1934. Serial No. 354,437. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,936. WHISKEY AND GIN. Friedman, Keiler & Co., Inc., Paducah, Ky.
Filed July 30, 1934. Serial No. 354,438. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,937. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Mar-Dis Wines & Spirits Corporation, Baltimore, Md.
Filed July 30, 1934. Serial No. 354,446. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,938. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind.
Filed July 31, 1934. Serial No. 354,475. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,939. WHISKEY, GIN, AND BRANDY. Hilmar Ehrmann, doing business as Hilmar Ehrmann & Co., Louisville, Ky.
Filed July 27, 1934. Serial No. 354,370. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,940. WHISKEY. E. Kahn & Co., Inc., Baltimore, Md.
Filed July 27, 1934. Serial No. 354,376. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,941. WHISKEY. Sattler-Addison Co., Inc., Baltimore, Md.
Filed July 28, 1934. Serial No. 354,414. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,942. WHISKEY. Tonkin Distributing Co., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,329. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,943. WHISKEY. The K. Taylor Distilling Co. Inc., Frankfort, Ky.
Filed July 25, 1934. Serial No. 354,336. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,944. WHISKEY. The American Distilling Co., Pekin, Ill.
Filed July 26, 1934. Serial No. 354,340. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,945. WHISKEY. The American Distilling Co., Pekin, Ill.
Filed July 26, 1934. Serial No. 354,341. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,946. CERTAIN NAMED WEARING APPAREL. Bullock's, Inc., Los Angeles, Calif.
Filed April 30, 1934. Serial No. 350,677. PUBLISHED AUGUST 28, 1934. Class 39.

318,947. PORT WINE. Feuerheerd Brothers & Company Limited, St. Helier, Jersey, Channel Islands.
Filed May 3, 1934. Serial No. 350,847. PUBLISHED AUGUST 28, 1934. Class 47.

318,948. SPARKLING WINES. Pedro Ferrer Bosch, San Sadurni de Noya, Barcelona, Spain.
Filed April 23, 1934. Serial No. 350,315. PUBLISHED AUGUST 28, 1934. Class 47.

318,949. ACETATE OF LIME, ACETIC ACID, ACETONE, ACTIVATED CARBON, BENZALDEHYDE, CREOSOTE OILS, FERROUS ACETATE (IRON LIQUOR), METHANOL, METHYL ACETONE, PROPIONIC ACID, PROPIONYL CHLORIDE PROPIOPHENONE, FORMALDEHYDE, WOOD CREOSOTE OIL. The Cleveland-Cliffs Iron Co., Cleveland, Ohio.
Filed April 26, 1934. Serial No. 350,510. PUBLISHED AUGUST 24, 1934. Class 6.

318,950. MINERAL FEED. Puritan Laboratories, Inc., Des Moines, Iowa.
Filed April 26, 1934. Serial No. 350,537. PUBLISHED AUGUST 21, 1934. Class 6.

318,951. LUBRICATING OILS AND GREASES. Penola Inc., Pittsburgh, Pa.
Filed April 3, 1934. Serial No. 349,481. PUBLISHED AUGUST 28, 1934. Class 15.

318,952. RUBBER GLOVES FOR HOUSEHOLD USE. McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn.
Filed April 5, 1934. Serial No. 349,583. PUBLISHED AUGUST 28, 1934. Class 39.

318,953. CANDLES, FUEL, CRUDE AND LUBRICATING OILS, LUBRICATING GREASES, AND MINERAL WAXES. Jaburg Brothers, Inc., New York, N. Y.
Filed April 14, 1934. Serial No. 349,978. PUBLISHED MAY 29, 1934. Class 15.

318,954. WINES. Societa Anonima Martini & Rossi, Torino, Italy.
Filed March 23, 1934. Serial No. 349,038. PUBLISHED JUNE 12, 1934. Class 47.

318,955. TOILET SOAP. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed July 10, 1934. Serial No. 353,708. PUBLISHED AUGUST 28, 1934. Class 4.

318,956. SOAP. Perkins Soap Company, Springfield, Mass.
Filed July 10, 1934. Serial No. 353,724. PUBLISHED AUGUST 28, 1934. Class 4.

318,957. SOAP. Perkins Soap Company, Springfield, Mass.
Filed July 10, 1934. Serial No. 353,725. PUBLISHED AUGUST 28, 1934. Class 4.

318,958. CANNED CHEESE. The Great Atlantic & Pacific Tea Company, New York, N. Y.
Filed July 10, 1934. Serial No. 353,604. PUBLISHED AUGUST 28, 1934. Class 46.

318,959. CARBURETORS. J. & S. Carburetor Co., Dallas, Tex.
Filed July 10, 1934. Serial No. 353,700. PUBLISHED AUGUST 28, 1934. Class 23.

318,960. WHISKEY. Kienzler Company, Inc., New York, N. Y.
Filed July 25, 1934. Serial No. 354,298. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,961. BRANDY. The Siegfried Loewenthal Company, Cleveland, Ohio.
Filed July 25, 1934. Serial No. 354,305. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,962. WHISKY. The Siegfried Loewenthal Company, Cleveland, Ohio.
Filed July 25, 1934. Serial No. 354,311. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,963. WHSKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Continental Distilling Corporation, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,281. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,964. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Continental Distilling Corporation, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,284. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,965. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Continental Distilling Corporation, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,285. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,966. WHISKEY, GIN, AND COCKTAILS. Gooderham & Worts Limited, Detroit, Mich.
Filed July 25, 1934. Serial No. 354,289. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,967. WHISKEY. Hiram Walker & Sons Inc., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,228. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,968. GLASS TUBING, GLASS PLATES, ETC. John Moncrieff, Limited, Perth, Scotland.
Filed July 23, 1934. Serial No. 354,232. PUBLISHED AUGUST 28, 1934. Class 33.

318,969. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Continental Distilling Corporation, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,279. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,970. WHISKEY. Hiram Walker & Sons Inc., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,225. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,971. WHISKEY. Hiram Walker & Sons Inc., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,226. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,972. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,227. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,973. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,222. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,974. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,223. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,975. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,224. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,976. GIN, WHISKEY, BRANDY, RUM, AND ALCOHOLIC CORDIALS. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y., assignor to Henry Kelly & Sons, Inc., New York, N. Y., a corporation of New York.
Filed July 25, 1934. Serial No. 354,318. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,977. GIN. TONKIN DISTRIBUTING CO., doing business as Old Abbey Distilling Co., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,325. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,978. WHISKEY. TONKIN DISTRIBUTING CO., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,326. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,979. WHISKEY. TONKIN DISTRIBUTING CO., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,328. PUBLISHED SEPTEMBER 4, 1934. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

318,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STINSON DRUGS, Philadelphia, Pa. Filed May 1, 1934. Serial No. 350,740.

GET IT at Stinson's

For Medicines, Drugs and Pharmaceutical Preparations—Namely, Restoratives, Antiperiodics, Antipyretics, Antiphlogistics, Alteratives, Astringents, Antizymotics, Germicides, Cerebral Excitants, Stimulants, Antispasmodics, Sedatives, Spinants, Motor Depressants, Mydriatics, Myotics, Respiratory Stimulants, Respiratory Sedatives, Sternutatories, Ciliary Excitants, Expectorants, Cardiac Stimulants, Cardiac Depressants, Sialagogues, Refrigerants, Anodynes, Carminatives, Emetics, Antiemetics, Cathartics, Purgatives, Diuretics, Antilithics, Diaphoretics, Antihydrotics, Anthelminctics, Emmenagogues, Ecbolics, Irritants, Styptics, Emollients, Soporifics, Anodynes, Vasoconstrictors, Vasodilators, Vascular Sedatives, Vermicides, Vesicants, Chemicals and Drugs—Namely, the Following: Acacia, Acetanilid, Acetone, Acetphenetidin; Acids, Namely: Acetic, Acetic Anhydrid, Glacial Acetic, Acetylsalicylic, Arsenous; Arsenic, Trioxid; Benzoic, Boric, Carbolic, Chromic, Citric, Gallic, Hydriodic, Hydrobromic, Hydrochloric, Hydrofluoric, Hypophosphorous, Lactic, Molybdic, Nitric, Nitrohydrochloric, Oleic, Oxalic, Phosphoric, Glacial Phosphoric, Phosphotungstic, Pyrogallic, Salicylic, Stearic, Sulfuric, Sulfuric, Aromatic; Sulfurous, Tannic, Tartaric, Trichloracetic; Aconite-root, Aconitin Crystals; Alcohol, Dehydrated; Alcohol, Methyl; Allspice (Pimenta) for Medicinal Purposes, Aloes, Aloin, Althaea; Aluminum Compounds—Namely, the Following: Alum, Ammonium; Alum, Exsiccated; Alum, Chrome; Alum, Ferric; Aluminum Acetate, Aluminum Nitrate, Aluminum Sulfate; Ammonia and Ammonium Compounds, Namely; Ammonia-Water; Ammonium Benzoate, Bromid, Carbonate; Chlorid, Chromate, Citrate, Hypophosphite, Iodid, Molybdate, Nitrate, Oxalate, Persulfate, Phosphate, Salicylate, Sulfate, Sulfocyanate, Tartrate, Valerate; Amyl Acetate, Amyl Nitrite, Amylopsin, Anise; Antidote, Arsenic; Antimony and Potassium Tartrate, Antipyrin, Aqua Ammoniæ, Arnica-Flowers and Arnicaroot, Aromatized Castor-Oil, Arsenic Iodid, Asbestos-Wool, Aspirin, Atropin, Atropin Sulfate, Baking-Powder, Balsam Peru, Balsam Tolu; Barium Compounds, Namely: Barium Acetate, Carbonate, Chlorid, Dioxid, Hydroxid, Nitrate, Sulfate; Belladonna, Benzaldehyde, Benzoin; Benzol, (Benzene); Benzonaphthol, Betanaphthol, Bentanaphthol Benzoate; Bismuth Compounds—namely: Bismuth Milk; Bismuth Citrate, Nitrate, Oxid, Oxychlorid, Oxyiodid, Subcarbonate, Subgallate, Subnitrate, Subsalicylate; Bismuth and Ammonium Citrate; Bloodroot, Borax, Buchu, Burow's Solution, Cacao-Butter for Medicinal Purposes, Cadmium Iodid, Cadmium Nitrate, Cadmium and Potassium Iodid, Cadmium Sulfate, Caffein, Caffein Benzoate; Caffein, Citrated; Caffein, Hydrobromid, Caffein and Sodium Benzoate, Caffein and Sodium Salicylate; Calcium Compounds, Namely: Calcium Acetate, Bromid, Carbonate, Chlorid, Glycerophosphate, Hypophosphite, Lactate, Lactophosphate, Oxid, Phenolsulfonate, Phosphate, Sulfid; Calendula, Calisaya-Bark, Calomel, Calumba, Camphor; Camphor, Monobromated; Cantharides, Capsicum, Carbon Disulfid, Carbon Tetrachlorid, Cardamon, Cardamon Compound, Cascara Sagrada, Caustic Potash, Caustic Soda, Carbonated Waters, Cerum Oxalate; Chalk, Precipitated; Chamomile, Charcoal; Chloral, Camphorated; Chloral, Hydrated; Chloramin T, Chlorosane, Chlorinated Eucalyptol, Chloroform, Cinchona, Cinchona Compound; Cinchona, Red; Cinchonidin, Cinchonidin Salicylate, Cinchonidin Sulfate, Cinchonin, Cinchonin Sulfate, Cinnamon, Cassia, Cloves, Cobalt Chlorid, Cobalt Nitrate, Cocain and Cocain Salts, Cochineal, Codein and Codein Salts, Colchicin, Cold-Cream, Collodion, Confection Senna, Copper Acetate, Copper Sulfate, Corrosive Sublimate; Creosote (Wood); Creosote Carbonate, Cresol, Cubeb, Cudbear, Diacetylmorphin, Diastase from Malt, Diastase from Pancreas, Dichloramin T, Digitalin, Digitalis, Digitoxin, Eriodictyon, Ether; Ether, Acetic; Ethyl Bromid, Ethyl Chlorid, Eucalyptol, Eucalyptus, Eugenol, Fennel, Food Allergens, Foxglove, Gentian, Gentian Compound, Ginger for Medicinal Purposes, Glycerin, Glycerites; Glycyrrhiza (Licoriceroot); Gold Chlorid, Gold and Sodium Chlorid, Guaiac Resin, Guaiacol Carbonate, Gum-Arabic, Gum-Benjamin, Halazone Tablets; Hellebore, American; Hemoglobin, Henbane, Hexamethylencamin, Hydrastin, Hydrastin Hydrochlorid, Hydrogen Peroxid, Hyoscyamus, Hypodermic Tablets, Iodid, Iodoform, Ipecac; Iron and Iron Compounds, Namely: Iron, Reduced; Iron Albuminate, Arsenate, Cacodylate, Carbonate; Carbonate, Saccharated; Chlorid, Ferric; Ferrocyanid, Glycerophosphate, Hydroxid with Magnesium Oxid, Hypophosphite, Lactophosphate; Oxid, Red, Saccharated; Peptonate, Peptonate with Manganese, Phenolsulfate, Phosphate, Pyrophosphate, Subcarbonate, Subsulfate, Sulfate, Iron and Ammonium Citrate, Iron and Ammonium Sulfate, Iron and Ammonium Tartrate, Iron and Manganese Peptonate.
Claims use since July 7, 1932.

318,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KATZ DRUG COMPANY, Kansas City, Mo. Filed May 9, 1934. Serial No. 351,120.

Katz

For Coffee, Honey, Orange Pekoe Tea, Mustard Powder, Turmeric Powder, Cocoanut Oil, Olive Oil, and Lemon and Vanilla Extract for Food Flavoring Purposes.
Claims use since on or about Apr. 16, 1926, on coffee; since October, 1927, on honey; since Sept. 5, 1928, on mustard powder, turmeric powder, cocoanut oil and olive oil; since April, 1929, on orange pekoe tea; and since August, 1932, on lemon and vanilla extract.

318,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLF W. VON LANGE, doing business as Vienna Laboratory, Los Angeles, Calif. Filed May 28, 1934. Serial No. 352,010.

VIENNA LAX

For Laxatives.
Claims use since Aug. 1, 1931.

318,983. (CLASS 37. PAPER AND STATIONERY.) LOUIS DEJONGE & Co., New York, N. Y. Filed June 7, 1934. Serial No. 352,371.

ALL PURPOSE

For Printing Paper.
Claims use since Feb. 1, 1933.

318,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELLIER COMPANY, PERFUMER, St. Louis, Mo. Filed July 18, 1934. Serial No. 354,064.

Vogue

For Perfume.
Claims use since 1902.

318,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN W. DAVISON, doing business as Nodoz Laboratories, Colusa, Calif. Filed Aug. 9, 1934. Serial No. 354,792.

NŌDŌZ
AWAKENERS
Conquer
the Dullness of
Fatigue

For Medical Preparation in Capsule Form Especially Prepared to Minimize Auto-Intoxication and as a Result to Relieve Drowsiness.
Claims use since July 30, 1933.

318,986. (CLASS 2. RECEPTACLES.) OLDMILL PAPER PRODUCTS CORP., Long Island City, N. Y. Filed Sept. 24, 1934. Serial No. 356,468.

CRINKLE

For Paper Baking Cups, Baking Dishes, Candy Cups, Finger-Bowl Liners, Shaving Cups, Butter Chips, Drinking Cups, Paper Dishes, Paper Plates, Paper Boxes, Paper Cartons, Paper Merchandise, Envelopes, Paper Bags.
Claims use since Aug. 15, 1919.

318,987. (CLASS 2. RECEPTACLES.) OLDMILL PAPER PRODUCTS CORP., Long Island City, N. Y. Filed Sept. 24, 1934. Serial No. 356,469.

CRINKLE CUPS

For Paper Cups.
Claims use since Aug. 15, 1919.

318,988. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHARMACY PRODUCTS COMPANY, Milwaukee, Wis. Filed Aug. 10, 1932. Serial No. 329,456.

TRUECREAM

For Cold Cream.
Claims use since July 23, 1932.

318,989. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JANE CLOUD INC., New York, N. Y. Filed Aug. 4, 1933. Serial No. 340,383.

JANE
CLOUD

For Nourishing Cream, Toilet Cream, Eye Tonic, Liquid Face and Skin Lotion, Skin Tonic, Cleansing Cream, Cream to be Used Before Makeup, Skin Whitener, Tissue Oil, Emulsion for Cleansing the Skin, Astringent Cream and Cream for Clarifying the Complexion.
Claims use since June 13, 1933.

318,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Sept. 5, 1933. Serial No. 341,347.

NU-BORDO

For Insecticides and Fungicides.
Claims use since Aug. 2, 1933.

318,991. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Oct. 2, 1933. Serial No. 342,067.

Fill Freeze

For Paper, Pails and Cartons.
Claims use since Apr. 1, 1932.

318,972. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,227. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,973. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,222. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,974. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,223. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,975. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,224. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,976. GIN, WHISKEY, BRANDY, RUM, AND ALCOHOLIC CORDIALS. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y., assignor to Henry Kelly & Sons, Inc., New York, N. Y., a corporation of New York.
Filed July 25, 1934. Serial No. 354,318. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,977. GIN. TONKIN DISTRIBUTING CO., doing business as Old Abbey Distilling Co., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,325. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,978. WHISKEY. TONKIN DISTRIBUTING CO., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,326. PUBLISHED SEPTEMBER 4, 1934. Class 49.

318,979. WHISKEY. TONKIN DISTRIBUTING CO., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,328. PUBLISHED SEPTEMBER 4, 1934. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

318,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STINSON DRUGS, Philadelphia, Pa. Filed May 1, 1934. Serial No. 350,740.

Get it at Stinson's

For Medicines, Drugs and Pharmaceutical Preparations—Namely, Restoratives, Antiperiodics, Antipyretics, Antiphlogistics, Alteratives, Astringents, Antizymotics, Germicides, Cerebral Excitants, Stimulants, Antispasmodics, Sedatives, Spinants, Motor Depressants, Mydriatics, Myotics, Respiratory Stimulants, Respiratory Sedatives, Sternutatories, Ciliary Excitants, Expectorants, Cardiac Stimulants, Cardiac Depressants, Sialagogues, Refrigerants, Anodynes, Carminatives, Emetics, Antiemetics, Cathartics, Purgatives, Diuretics, Antilithics, Diaphoretics, Antihydrotics, Antheliminctics, Emmenagogues, Ecbolics, Irritants, Styptics, Emollients, Soporifics, Anodynes, Vasoconstrictors, Vasodilators, Vascular Sedatives, Vermicides, Vesicants, Chemicals and Drugs—Namely, the Following: Acacia, Acetanilid, Acetone, Acetphenetidin; Acids, Namely: Acetic, Acetic Anhydrid, Glacial Acetic, Acetylsalicylic, Arsenous; Arsenic, Trioxid: Benzoic, Boric, Carbolic, Chromic, Citric, Gallic, Hydriodic, Hydrobromic, Hydrochloric, Hydrofluoric, Hypophosphorous, Lactic, Molybdic, Nitric, Nitrohydrochloric, Oleic, Oxalic, Phosphoric, Glacial Phosphoric, Phosphotungstic, Pyrogallic, Salicylic, Stearic, Sulfuric, Sulfuric, Aromatic; Sulfurous, Tannic, Tartaric, Trichloracetic; Aconite-root, Aconitin Crystals; Alcohol, Dehydrated; Alcohol, Methyl; Allspice (Pimenta) for Medicinal Purposes, Aloes, Aloin, Althaea; Aluminum Compounds—Namely, the Following: Alum, Ammonium; Alum, Exsiccated; Alum, Chrome; Alum, Ferric; Aluminum Acetate, Aluminum Nitrate, Aluminum Sulfate; Ammonia and Ammonium Compounds, Namely: Ammonia-Water; Ammonium Benzoate, Bromid, Carbonate; Chlorid, Chromate, Citrate, Hypophosphite, Iodid, Molybdate, Nitrate, Oxalate, Persulfate, Phosphate, Salicylate, Sulfate, Sulfocyanate, Tartrate, Valerate; Amyl Acetate, Amyl Nitrite, Amylopsin, Anise; Antidote, Arsenic; Antimony and Potassium Tartrate, Antipyrin, Aqua Ammoniæ, Arnica-Flowers and Arnicaroot, Aromatized Castor-Oil, Arsenic Iodid, Asbestos-Wool, Aspirin, Atropin, Atropin Sulfate, Baking-Powder, Balsam Peru, Balsam Tolu; Barium Compounds, Namely: Barium Acetate, Carbonate, Chlorid, Dioxid, Hydroxid, Nitrate, Sulfate; Belladonna, Benzaldehyde, Benzoin; Benzol, (Benzene); Benzonaphthol, Betanaphthol, Bentanaphthol Benzoate; Bismuth Compounds—namely: Bismuth Milk; Bismuth Citrate, Nitrate, Oxid, Oxychlorid, Oxyiodid, Subcarbonate, Subgallate, Subnitrate, Subsalicylate; Bismuth and Ammonium Citrate; Bloodroot, Borax, Buchu, Burow's Solution, Cacao-Butter for Medicinal Purposes, Cadmium Iodid, Cadmium Nitrate, Cadmium and Potassium Iodid, Cadmium Sulfate, Caffein, Caffein Benzoate; Caffein, Citrated; Caffein, Hydrobromid, Caffein and Sodium Benzoate, Caffein and Sodium Salicylate; Calcium Compounds, Namely: Calcium Acetate, Bromid, Carbonate, Chlorid, Glycerophosphate, Hypophosphite, Lactate, Lactophosphate, Oxid, Phenolsulfonate, Phosphate, Sulfid; Calendula, Calisaya-Bark, Calomel, Calumba, Camphor; Camphor, Monobromated; Cantharides, Capsicum, Carbon Disulfid, Carbon Tetrachlorid, Cardamon, Cardamon Compound, Cascara Sagrada, Caustic Potash, Caustic Soda, Carbonated Waters, Cerum Oxalate; Chalk, Precipitated; Chamomile, Charcoal; Chloral, Camphorated; Chloral, Hydrated; Chloramin T, Chlorosane, Chlorinated Eucalyptol, Chloroform, Cinchona, Cinchona Compound; Cinchona, Red; Cinchonidin, Cinchonidin Salicylate, Cinchonidin Sulfate, Cinchonin, Cinchonin Sulfate, Cinnamon, Cassia, Cloves, Cobalt Chlorid, Cobalt Nitrate, Cocain and Cocain Salts, Cochineal, Codein and Codein Salts, Colchicin, Cold-Cream, Collodion, Confection Senna, Copper Acetate, Copper Sulfate, Corrosive Sublimate; Creosote (Wood); Creosote Carbonate, Cresol, Cubeb, Cudbear, Diacetylmorphin, Diastase from Malt, Diastase from Pancreas, Dichloramin T, Digitalin, Digitalis, Digitoxin, Eriodictyon, Ether; Ether, Acetic; Ethyl Bromid, Ethyl Chlorid, Eucalyptol, Eucalyptus, Eugenol, Fennel, Food Allergens, Foxglove, Gentian, Gentian Compound, Ginger for Medicinal Purposes, Glycerin, Glycerites; Glycyrrhiza (Licoriceroot); Gold Chlorid, Gold and Sodium Chlorid, Guaiac Resin, Guaiacol Carbonate, Gum-Arabic, Gum-Benjamin, Halazone Tablets; Hellebore, American; Hemoglobin, Henbane, Hexamethyleneamin, Hydrastin, Hydrastin Hydrochlorid, Hydrogen Peroxid, Hyoscyamus, Hypodermic Tablets, Iodid, Iodoform, Ipecac; Iron and Iron Compounds, Namely: Iron, Reduced; Iron Albuminate, Arsenate, Cacodylate, Carbonate; Carbonate, Saccharated; Chlorid, Ferric; Ferrocyanid, Glycerophosphate, Hydroxid with Magnesium Oxid, Hypophosphite, Lactophosphate; Oxid, Red, Saccharated; Peptonate, Peptonate with Manganese, Phenolsulfate, Phosphate, Pyrophosphate, Subcarbonate, Subsulfate, Sulfate, Iron and Ammonium Citrate, Iron and Ammonium Sulfate, Iron and Ammonium Tartrate, Iron and Manganese Peptonate.

Claims use since July 7, 1932.

318,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KATZ DRUG COMPANY, Kansas City, Mo. Filed May 9, 1934. Serial No. 351,120.

Katz

For Coffee, Honey, Orange Pekoe Tea, Mustard Powder, Turmeric Powder, Cocoanut Oil, Olive Oil, and Lemon and Vanilla Extract for Food Flavoring Purposes.
Claims use since on or about Apr. 16, 1926, on coffee; since October, 1927, on honey; since Sept. 5, 1928, on mustard powder, turmeric powder, cocoanut oil and olive oil; since April, 1929, on orange pekoe tea; and since August, 1932, on lemon and vanilla extract.

318,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLF W. VON LANGE, doing business as Vienna Laboratory, Los Angeles, Calif. Filed May 28, 1934. Serial No. 352,010.

VIENNA LAX

For Laxatives.
Claims use since Aug. 1, 1931.

318,983. (CLASS 37. PAPER AND STATIONERY.) LOUIS DEJONGE & CO., New York, N. Y. Filed June 7, 1934. Serial No. 352,371.

ALL PURPOSE

For Printing Paper.
Claims use since Feb. 1, 1933.

318,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELLIER COMPANY, PERFUMER, St. Louis, Mo. Filed July 18, 1934. Serial No. 354,064.

Vogue

For Perfume.
Claims use since 1902.

318,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN W. DAVISON, doing business as Nodoz Laboratories, Colusa, Calif. Filed Aug. 9, 1934. Serial No. 354,792.

NŌDŌZ
AWAKENERS
Conquer
the Dullness of
Fatigue

For Medical Preparation in Capsule Form Especially Prepared to Minimize Auto-Intoxication and as a Result to Relieve Drowsiness.
Claims use since July 30, 1933.

318,986. (CLASS 2. RECEPTACLES.) OLDMILL PAPER PRODUCTS CORP., Long Island City, N. Y. Filed Sept. 24, 1934. Serial No. 356,468.

CRINKLE

For Paper Baking Cups, Baking Dishes, Candy Cups, Finger-Bowl Liners, Shaving Cups, Butter Chips, Drinking Cups, Paper Dishes, Paper Plates, Paper Boxes, Paper Cartons, Paper Merchandise, Envelopes, Paper Bags.
Claims use since Aug. 15, 1919.

318,987. (CLASS 2. RECEPTACLES.) OLDMILL PAPER PRODUCTS CORP., Long Island City, N. Y. Filed Sept. 24, 1934. Serial No. 356,469.

CRINKLE CUPS

For Paper Cups.
Claims use since Aug. 15, 1919.

318,988. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHARMACY PRODUCTS COMPANY, Milwaukee, Wis. Filed Aug. 10, 1932. Serial No. 329,456.

TRUECREAM

For Cold Cream.
Claims use since July 23, 1932.

318,989. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JANE CLOUD INC., New York, N. Y. Filed Aug. 4, 1933. Serial No. 340,383.

JANE
CLOUD

For Nourishing Cream, Toilet Cream, Eye Tonic, Liquid Face and Skin Lotion, Skin Tonic, Cleansing Cream, Cream to be Used Before Makeup, Skin Whitener, Tissue Oil, Emulsion for Cleansing the Skin, Astringent Cream and Cream for Clarifying the Complexion.
Claims use since June 13, 1933.

318,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Sept. 5, 1933. Serial No. 341,347.

NU-BORDO

For Insecticides and Fungicides.
Claims use since Aug. 2, 1933.

318,991. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Oct. 2, 1933. Serial No. 342,067.

Fill Freeze

For Paper, Pails and Cartons.
Claims use since Apr. 1, 1932.

318,992. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CROMWELL AND HART, Los Angeles, Calif. Filed Oct. 13, 1933. Serial No. 342,427.

HOMEFREZE

For Preparation for Making Home-Made Ice Cream.
Claims use since Sept. 6, 1933.

318,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DREXEL COMPANY OF ELGIN, Elgin, Ill. Filed Oct. 13, 1933. Serial No. 342,429.

Drexel's
BROMO-CITRA

For Effervescent Granular Salt for Correction of Headache and Like Internal Disorders.
Claims use since Sept. 27, 1933.

318,994. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLEAN HOME PRODUCTS, INC., Chicago, Ill. Filed Nov. 2, 1933. Serial No. 343,161.

Dip-Lite

For Electric Cigarette Lighter.
Claims use since Aug. 28, 1933.

318,995. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KARL P. NEILSEN, Long Beach, Calif. Filed Jan. 22, 1934. Serial No. 346,371.

STREAM LINE FLOW

For Oil Well Pumps, Gas and Oil Separators in Connection with Oil Well Pumps, Pumps, Cages, and Pump Valves.
Claims use since September, 1923.

TRADE-MARK REGISTRATIONS RENEWED

97,122. SEWING MACHINES AND PARTS THEREOF. Registered May 19, 1914. CLEMENS MÜLLER GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG. Renewed May 19, 1934, to Clemens Müller Limited (Aktiengesellschaft), Dresden, Germany, a corporation of Germany, assignee.

97,123. TYPE-WRITING MACHINES AND PARTS THEREOF. Registered May 19, 1914. CLEMENS MÜLLER GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG. Renewed May 19, 1934, to Clemens Müller Limited (Aktiengesellschaft), Dresden, Germany, a corporation of Germany, assignee.

97,124. TYPE-WRITING MACHINES AND PARTS THEREOF. Registered May 19, 1914. CLEMENS MÜLLER GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG. Renewed May 19, 1934, to Clemens Müller Limited (Aktiengesellschaft), Dresden, Germany, a corporation of Germany, assignee.

98,236. CANDLES, NIGHT LIGHTS, AND MINERAL WAX FOR ILLUMINATING AND HEATING PURPOSES. Registered July 7, 1914. THE ASIATIC PETROLEUM COMPANY, LIMITED. Renewed July 7, 1934, to The Asiatic Petroleum Company Limited, London, England, a corporation of Great Britain, assignee by mesne assignments.

98,875. METAL CURTAIN RODS, PORTIÈRE RODS, STAIR RODS, AND FIXTURES THEREFOR. Registered August 4, 1914. KIRSCH MANUFACTURING COMPANY. Renewed August 4, 1934, to Kirsch Company, Sturgis, Mich., a corporation of Michigan, assignee.

99,433. BRICK. Registered September 1, 1914. ERNEST L. COOK, Bridgewater, Mass. Renewed September 1, 1934, to E. L. Cook Brick Co., State Farm, Mass., a corporation of Massachusetts, successor.

99,763. CANDIES. Registered September 15, 1914. LOVELL & COVEL COMPANY, Boston, Mass. Renewed September 15, 1934, to Lovell & Covel Company, Cambridge, Mass., a corporation of Massachusetts.

99,788. TOOTH-POWDER, TOOTH-PASTE, TOOTH-WASH, AND FACE CREAM. Registered September 15, 1914. JOHN W. ROBB, Philadelphia, Pa. Renewed September 15, 1934.

99,911. CANNED CORN. Registered September 22, 1914. SNOW FLAKE CANNING CO., Brunswick, Maine, a corporation of Maine. Renewed September 22, 1934.

100,222. TOILET PAPER. Registered October 13, 1914. PAPER SALES COMPANY. Renewed October 13, 1934, to Paper Service Co., Chicago, Ill., a corporation of Illinois, successor.

LABELS

REGISTERED NOVEMBER 6, 1934

44,602.—*Title:* BOLEUM. For Germicidal Ointment for the Treatment of Chronic and Acute Skin and Tissue Disorders, Particularly of a Fungoid of Bacterial Origin. BACTERIOLETHIUM LABORATORY, New Rochelle, N. Y. Published August 15, 1934.

44,603.—*Title:* 2 TROUSERS WITH EVERY SUIT. For Men's Clothes. BOND STORES, INCORPORATED, doing business as Bond Clothes, New York, N. Y. Published March 1, 1932.

44,604.—*Title:* PLANTERS' CLUB. For Straight Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published August 16, 1934.

44,605.—*Title:* DELCO FOR FORDS. For Accelerator Starter Controls. DELCO-REMY CORPORATION, Anderson, Ind. Published August 8, 1934.

44,606.—*Title:* PEERLESS RHEUMATISM REMEDY. For Medicine for Treating Chronic and Muscular Rheumatism, Arthritis, Neuritis, Sciatica, Lumbago, and Neuralgic, Rheumatic Pains of the Kidneys. JOHN HARRY DORNHEGGEN, Cincinnati, Ohio. Published September 15, 1934.

44,607.—*Title:* DRUCKER'S REVELATION FOR THE TEETH AND GUMS. For Tooth Powder. AUGUST E. DRUCKER CO., San Francisco, Calif. Published August 1, 1934.

44,608.—*Title:* THE DEVILS OWN BRAND. For Hardwood Charcoal. EQUITABLE PAPER BAG CO. INC., Brooklyn, N. Y. Published September 5, 1934.

44,609.—*Title:* APPLE DIPS. For Cigars. HARRY HANDLER, Chicago, Ill. Published September 12, 1934.

44,610.—*Title:* PAR BUSTER. For Cigars. HOUSE & KUNZ CIGAR COMPANY, Milwaukee, Wis. Published October 8, 1934.

44,611.—*Title:* HUGGINS-YOUNG. For Coffee. HUGGINS-YOUNG COMPANY, INC., Los Angeles, Calif. Published September 7, 1934.

44,612.—*Title:* CRACKED WHEAT BREAD. For Bread. THE MENASHA PRODUCTS COMPANY, Menasha, Wis. Published September 3, 1934.

44,613.—*Title:* BET VEL COUGH SYRUP. For Cough Syrup. RALPH V. MOORE, Haverford, Pa. Published June 27, 1934.

44,614.—*Title:* FRENCH DRY PALE GINGER ALE. For Ginger Ale. NATALE OLIVIERI, doing business as Specialty Soda Water Bottling Co., Garfield, N. J. Published August 2, 1934.

44,615.—*Title:* MOUNDS. For Chocolate and Cocoanut Confection. PETER PAUL, INC., Naugatuck, Conn. Published August 23, 1934.

44,616.—*Title:* MAIN SHOW. For Chocolate and Nut Confection. PETER PAUL, INC., Naugatuck, Conn. Published August 23, 1934.

44,617.—*Title:* OLD OAK. For Bourbon Whiskey. KARL SCHOTTLER, St. Louis, Mo. Published August 31, 1934.

44,618.—*Title:* ROYAL. For Gelatin Aspic. STANDARD BRANDS INCORPORATED, New York, N. Y. Published July 26, 1934.

44,619.—*Title:* TENDER LEAF. For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published July 18, 1934.

44,620.—*Title:* OLD TAVERN. For Gin. UNIVERSAL DISTILLERS INC., Los Angeles, Calif. Published March 10, 1934.

44,621.—*Title:* MILK MADE VITAMIN D 100% WHOLE MILK BREAD. For Bread. J. W. WILKINSON COMPANY, Indianapolis, Ind. Published August 1, 1934.

PRINTS

REGISTERED NOVEMBER 6, 1934

14,901.—*Title:* WHATEVER'S IN YOUR NOTES. For Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published August 25, 1934.

14,902.—*Title:* 9 BY 12 BY WHAT? For Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published August 25, 1934.

14,903.—*Title:* ANNUAL SALE OF FURS. For Ladies' Ready-to-Wear Fur Garments. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Published July 30, 1934.

14,904.—*Title:* SCHOOLBOYS! SCHOOLGIRLS! MOTHERS! $12,000.00 IN CASH PRIZES. For Bread. GENERAL MILLS, INC., Minneapolis, Minn. Published September 3, 1934.

14,905.—*Title:* WHAT WOULD HAPPEN IF YOU HAD A BLOW-OUT? (AD NO. GBC–34). For Rubber Tires. THE B. F. GOODRICH COMPANY, Akron, Ohio. Published September 15, 1934.

14,906.—*Title:* COCK O' THE WALK. For Gasoline. THE HANCOCK OIL COMPANY OF CALIFORNIA, Long Beach, Calif. Published September 4, 1934.

14,907.—*Title:* THIS POOR GAL HAS A BAD CASE OF DRY PASTURITIS! (POSTER). For Dairy Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 27, 1934.

14,908.—*Title:* IF LAY CHOW DON'T MAKE YOUR HENS LAY THEY MUST BE ROOSTERS! COL. PURINA (POSTER). For Chicken Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 31, 1934.

14,909.—*Title:* CONTROL EGG QUALITY! FEED PURINA LAYENA—THE COMPLETE FEED—(POSTER). For Chicken Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 31, 1934.

14,910.—*Title:* PURINA DOG CHOW THE MOST POPULAR FOOD FOR HUNTING DOGS—(POSTER). For Dog Food. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 30, 1934.

14,911.—*Title:* GET EGGS LIKE THESE . . WITH LAYENA! (BAG SIGN). For Chicken Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 31, 1934.

14,912.—*Title:* PROFITABLE COWS! CHANGE TO COW CHOW AND BULKY-LAS THE COUNTRY'S BEST SELLERS AND YOUR BEST BUY FOLLOW THE PROVEN PURINA COW PLAN! (POSTER). For Dairy Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 31, 1934.

14,913.—*Title:* NO FLIES ON ME! (POSTER). For Dairy Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published August 7, 1934.

19,359
FILTER UNIT

John J. Armstrong, Crockett, Calif., assignor, by mesne assignments, to E. D. Eggimann, Fort Wayne, Ind.

Original No. 1,792,797, dated February 17, 1931, Serial No. 323,307, December 3, 1928. Application for reissue February 6, 1933, Serial No. 655,534

6 Claims. (Cl. 210—169)



1. A filter unit comprising a circular plate member having a groove formed about the inner face thereof, and a spirally wound continuous element having perforations therethrough which overlap each other and form conduits between the edges thereof which connect with the groove in said plate member, said circular plate member being contractable, and means for contracting the plate member to clamp and secure the spirally wound element against removal.

19,360
EARTH WORKING IMPLEMENT

Max M. Brodersen, Alhambra, Calif., assignor to George A. Lathrop, Los Angeles, Calif.

Original No. 1,947,640, dated February 20, 1934, Serial No. 618,263, June 20, 1932. Application for reissue August 13, 1934, Serial No. 739,519½

14 Claims. (Cl. 97—75)



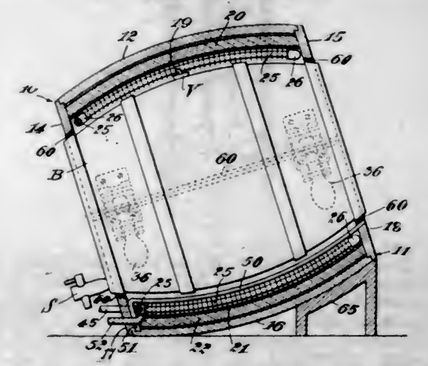
1. In combination, a body frame, carrier wheels, means pivotally supporting said body frame on said wheels to be moved relative thereto, spring means yieldingly connecting said frame with said carrier wheels, an earth working implement pivotally supported in said frame, a draft mechanism at the opposite end of said frame and including a pivoted coupling member for power and a longitudinal thrust member, operating connections between said thrust member and said frame supporting means, operating connections between said thrust member and said implement, whereby the longitudinal movement of said thrust member moves said frame relative to said wheels and said implement relative to said frame, and means whereby pull on said draft mechanism and said frame exerts rearward thrust on said thrust member.

19,361
BARREL SUPPORTING AND COOLING DEVICE

Edward C. Clifford, Sand Lake, N. Y.

Original No. 1,957,199, dated May 1, 1934, Serial No. 697,914, November 14, 1933. Application for reissue July 23, 1934, Serial No. 736,561

25 Claims. (Cl. 225—1)



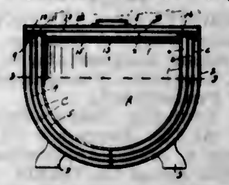
1. A cooling device of the type described, comprising a housing adapted to receive and to surround a major part at least of the peripheral surface of a barrel, forming therewith a relatively narrow chamber, said housing comprising two separable sections extending longitudinally of the barrel at opposite sides thereof, and a network of conduits within said chamber adjacent to and directly facing the surface of the barrel enclosed by said housing, said conduits forming a passage for cooling medium, said network of conduits conforming to the transverse peripheral and longitudinal curvature of the barrel.

19,362
INSULATED DISH

Clarence I. Justheim, Salt Lake City, Utah

Original No. 1,956,356, dated April 24, 1934, Serial No. 688,875, September 11, 1933. Application for reissue June 7, 1934, Serial No. 729,491

3 Claims. (Cl. 65—59)



2. In a dish of the class described, the combination of an inner wall formed of a curved sheet and an outer wall formed of a like sheet larger

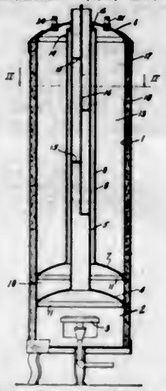
in diameter, with the space between the two sheets sealed; sheets of spaced apart highly reflective thin aluminum having the faces thereof peened into irregular facets, carried in the space between the inner and outer wall; and means to hold the sheets spaced apart.

19,363
WATER HEATER

Oran W. Ott, Los Angeles, and Arthur J. Smithers, Alhambra, Calif., assignors to Pacific Pipe & Supply Company, Los Angeles, Calif., a corporation of California

Original No. 1,899,523, dated February 28, 1933, Serial No. 511,253, January 26, 1931. Application for reissue January 2, 1934, Serial No. 704,920

12 Claims. (Cl. 122—17)



1. In a water heater of the kind described, the combination of a shell having a service water chamber for the service water to be heated, a water inlet and a water outlet therefor, a fire box with a head in the lower part of the shell, a hot gas flue extending up from the said head for carrying up gases of combustion from the fire-box, a water head mounted in the shell above the fire-box head and cooperating with the fire-box head and the shell to form a trapped water compartment over the fire-box head, a tubular jacket surrounding the said flue and connected to the water head so as to form a trapped water jacket around the flue communicating with the said water compartment, a cover head secured to the said shell, and means located remote from the ebullition point adjacent said fire-box head, for maintaining pressure communication between the water jacket and the service water space within the said shell and operating to maintain equilibrium of pressures without circulation of water between the trapped water in the jacket and the service water being heated in the water space of the shell, said pressure communicating means being the sole means of communication between the water jacket and the service water compartment.

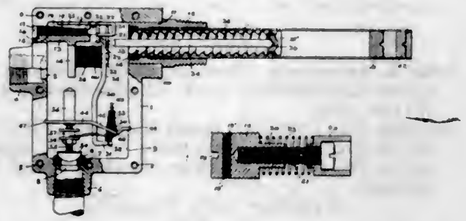
19,364
THERMOSTATIC GAS CONTROL

Harold W. Price, Toronto, Ontario, Canada, assignor, by mesne assignments, to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania

Original No. 1,869,943, dated August 2, 1932, Serial No. 241,930, December 22, 1927. Renewed March 4, 1931. Application for reissue August 1, 1934, Serial No. 738,010

21 Claims. (Cl. 236—48)

1. Thermostatic fluid control mechanism comprising a lever, a thermostatic member engaging said lever, a yieldable fulcrum for said lever, a fluid valve, an actuating lever for said valve, and extensible means extending between the first named lever and the actuating lever and directly connected to both of same and exerting tension therebetween, said extensible means being movable across the fulcrum point of said actuating lever on movement of said first named lever in response to thermal changes whereby said actuating lever will be rapidly swung about its fulcrum point.

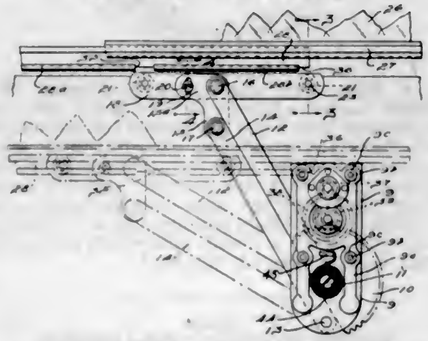


19,365
WINDOW REGULATOR

John H. Roethel, Detroit, Mich.

Original No. 1,931,738, dated October 24, 1933, Serial No. 575,863, November 18, 1931. Application for reissue December 11, 1933, Serial No. 701,891

30 Claims. (Cl. 268—126)



1. In a window regulator, the combination of a swinging bar, a second bar pivoted to said swinging bar, a fixed support, means interconnecting the second bar and support for maintaining said second bar in constant angular position, a channel structure mounted at the lower edge of a window glass and having substantially horizontal guide ways, and laterally spaced devices carried by said second bar and insertable substantially vertically into said guide ways for interlocking the second bar and channel member together.

19,366
COMBINATION DISCHARGE AND INFLOW CONTROL MEANS

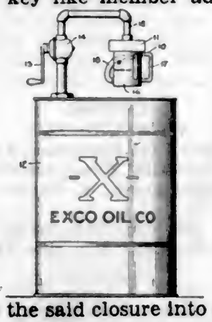
Marvin S. Young, Scarsdale, N. Y., assignor to The Gas and Oil Lock Corporation, New York, N. Y., a corporation of New York

Original No. 1,772,474, dated August 12, 1930, Serial No. 157,903, December 30, 1926. Application for reissue August 12, 1932, Serial No. 629,084

38 Claims. (Cl. 221—95)

20. The combination with a bottle having a filling opening, a closure for said opening, and

means for locking said closure in a non-filling position, of a key like member adapted to unlock and move the said closure into a filling position.

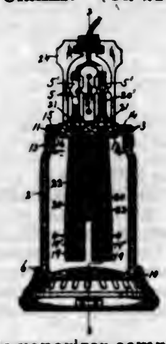


19,367
ELECTRIC VAPORIZER

Max Katzman, Utica, N. Y.

Original No. 1,879,297, dated September 27, 1932, Serial No. 359,551, May 1, 1929. Application for reissue August 14, 1934, Serial No. 739,835

10 Claims. (Cl. 219—40)



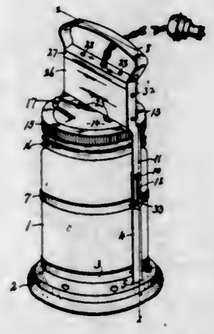
4. An electric vaporizer comprising a receptacle for the liquid to be vaporized, a lid for the receptacle, electric heater terminals on the lid, conducting rods suspended from the terminals, and electrodes supported by the rods in spaced relation to form an intervening water-gap open at the bottom and at opposite sides.

19,368
ELECTRIC VAPORIZER

Max Katzman, Utica, N. Y., assignor to Kaz Manufacturing Company, Inc., New York, N. Y., a corporation of New York

Original No. 1,927,316, dated September 19, 1933, Serial No. 244,217, January 3, 1928. Application for reissue September 12, 1934, Serial No. 743,779

20 Claims. (Cl. 219—40)



1. In an electric liquid vaporizer, a frame, a receptacle for the liquid mounted on the frame, a cover for the receptacle, an electric heater having terminals mounted on the cover, a bail slidably and hingedly mounted on the frame to move lengthwise and transversely of the receptacle, and a terminal engaging plug mounted on the bail to move therewith into and out of engagement with the heater terminals.

PATENTS

GRANTED NOVEMBER 6, 1934

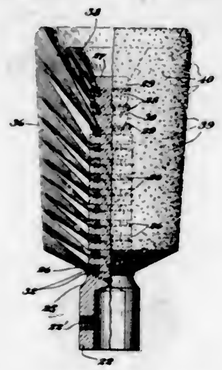
1,979,240

BRUSH FOR A WASHING MACHINE

Hans Adelmann, New Rochelle, N. Y., assignor to Ham Boiler Corporation, Port Chester, N. Y., a corporation of Delaware

Original application May 5, 1931, Serial No. 535,110. Divided and this application June 29, 1932, Serial No. 619,846

8 Claims. (Cl. 15—198)



1. A rotating brush for cleaning ham boilers and the like, having a central core provided with a plurality of substantially annular grooves adapted for receiving bristles, said grooves having both of their sides disposed substantially in radial planes, but one of said sides having an inwardly positioned annular undercut groove whereby the inwardly located portions of said grooves are wider than the entrance portions thereof, and whereby a shoulder is formed adjacent the entrance portions adapted to retain bristles when their bight portions are positioned within said widened portions of said grooves.

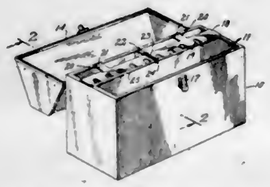
1,979,241

PAINTBRUSH PRESERVER

Harry M. Albanese and Joseph V. Albanese, Brooklyn, N. Y.

Application June 14, 1933, Serial No. 675,706

10 Claims. (Cl. 91—63)



1. A brush preserver of the class described comprising a container, means for suspending a brush with the bristles thereof within the container, means for retaining the brush against accidental displacement from said first named means, said first named means being movably supported in the container, and means for bracing said first named means when in operative position.

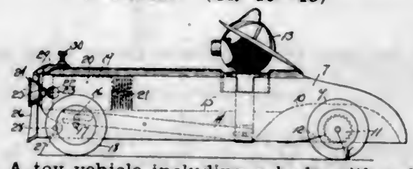
1,979,242

WHEELED TOY

Harold D. Allen, East Hampton, Conn., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn., a corporation of Connecticut

Application July 12, 1933, Serial No. 680,055

9 Claims. (Cl. 46—48)



1. A toy vehicle including a body with a hole of substantially the shape and size of an electric cell extending from its front end to receive said cell, a conducting bar projecting across said hole and extending on opposite sides of the body with its main part intermediate its ends in contact with said cell, a simulation of a radiator constructed as a unit and including a supporting bar separately formed from said unit and removably supported thereby, and an electrical device secured to said supporting bar.

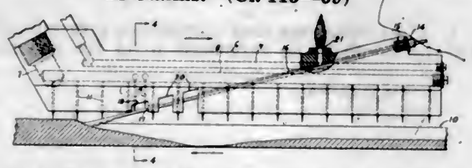
1,979,243

APPARATUS AND METHOD FOR FUSION WELDING

James L. Anderson, Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 5, 1929, Serial No. 397,541

14 Claims. (Cl. 113—59)



1. A fusion welder constructed to deliver a seamwise-extended arrangement of heating and welding jets and having a channel through which a weld metal wire passes into position to be fused into the seam by the heat of the rearward jets, said channel extending in a downward and rearward direction to an exit among the rearward jets.

12. Improvement in the art of welding seams by means of a seamwise extended arrangement of heating and welding jets, while causing relative longitudinal travel between the jets and the seam, and feeding a wire to be melted into the seam by the heat of the jets, said improvement consisting in delivering the wire in a substantially rearward direction to the region where it is melted.

1,979,244

WELDING TIP

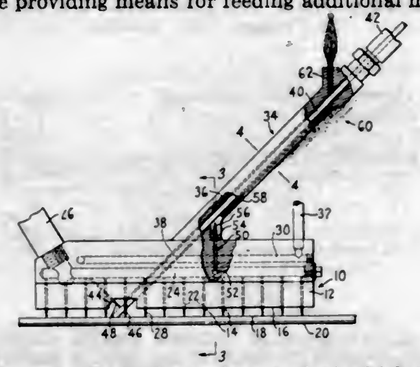
James L. Anderson, Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application April 1, 1931, Serial No. 527,032

18 Claims. (Cl. 113—59)

1. In apparatus for welding, a body having a plurality of orifices opening from a face thereof,

a member extending upwardly from said body, a passage through said body and said member and opening at one of said orifices, the remainder of said orifices being disposed to direct a plurality of flame jets simultaneously at a surface, said passage providing means for feeding additional metal downwardly to the surface against which said flame jets are directed, and an orifice opening into said passage to direct a flame jet upwardly along such additional metal, said member having a vent opening adjacent the upper extremity thereof.



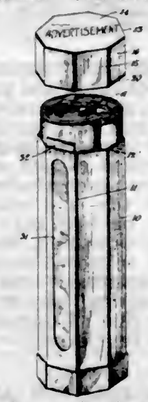
1,979,245

CONTAINER FOR PACKAGING SHEET AND FABRIC MATERIAL

Champe S. Andrews, North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y., a corporation of Delaware

Application September 19, 1931, Serial No. 563,691

2 Claims. (Cl. 206—46)



1. A container for packaging rolls of sheet material made of fine fabrics comprising a body portion of relatively stiff paperboard material in the form of a regular polygonal prism, said body portion being collapsible whereby it may be shipped to the packer in a collapsed condition and cut into the desired roll lengths adapted to receive an elongated roll of material, removable covers adapted to telescope the ends of the body portion, each cover comprising a polygonal shaped cardboard bottom, an annular member of paperboard material provided with score lines defining side wall portions and tabs at the bottom of each side wall, said member resting upon the cardboard bottom with the tabs turned inwardly, a wrap sheet covering the bottom of the cover and provided with tabs adhesively secured to the exterior of the side wall portions, an oversize disc insertable into the open end of said annular member and adapted to seat on the inturned tabs formed on the side portions and a wrap sheet covering the entire surface of the side walls and adhesively secured thereto.

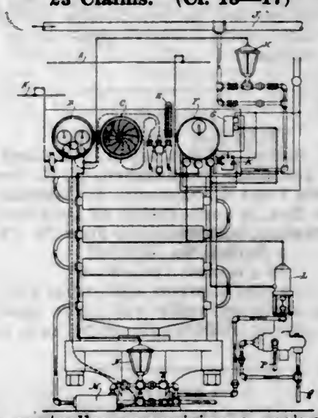
1,979,246

CYCLE CONTROLLER

Frank J. Bast, Queens Village, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York

Application October 10, 1931, Serial No. 568,027

23 Claims. (Cl. 18—17)



17. A controller comprising a casing, a rotatable timing member in said casing, clock mechanism for rotating said member for selectively varying degrees from a predetermined starting position and means operable from the outside of said casing for returning said member to the starting position, said means including a shaft passing through the casing, a handle on said shaft outside the casing, and a one-way latch between said member and said shaft.

1,979,247

CENTRAL LUBRICATION

Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Application March 28, 1928, Serial No. 265,473

28 Claims. (Cl. 184—7)



1. An operating mechanism provided with a central fluid distributing system comprising a lubricant supply, piping, a pump with a valved

inlet and a valved outlet communicating respectively with the supply and with the piping, said pump being of discharge capacity in excess of the resilient capacity of the line so that it cannot complete discharge until a substantially equivalent quantity of lubricant passes the outlets, a propulsive agency for discharging said pump under pressure, said piping having pressure resistant outlets so correlated with the propulsive agency of the pump as substantially to retard free pump discharge and to cause said discharge to occur slowly, and means operated by the fluctuating power generated in the varying normal use of the mechanism, for intermittently setting said pump preparatory to effective application of said propulsive agency.

1,979,248

TEXTILE PRINTING

Oakley M. Bishop, Wilmington, Del., and Frank Willard Johnson, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 23, 1930, Serial No. 470,222

16 Claims. (Cl. 8—6)

1. Fabric having thereon a printing paste comprising an anthraquinone vat color paste containing in excess of 20% glycerine as a printing assistant.

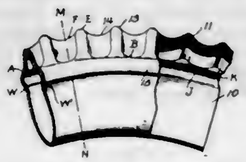
1,979,249

PNEUMATIC INNER TUBE

Constantine Bradley, Nashville, Tenn.

Application August 23, 1933, Serial No. 686,459

7 Claims. (Cl. 152—13)



1. An inner tube for pneumatic tires comprising an endless tubular member of elastic material, the outer periphery or tread portion of which is made up of raised portions and depressions lying transverse of the tread throughout the tread portion, the contour of each deflated depression being of a curvature substantially equal to the length of a line drawn along a transverse raised portion of the tread of the tube, and raised beads or buttons formed in the walls of the tubular member and lying circumferentially of the tread portion of the tube adjacent the ends of the depressions, said beads or buttons creating a fullness at the ends of the depressions upon the inflation of the tube and causing the depressions to seat readily within a tire casing.

1,979,250

SOLUBLE, NONCORROSIVE, CUTTING COMPOUND

Emil F. Butts, Tacoma, Wash.

No Drawing. Application July 27, 1931, Serial No. 553,479

2 Claims. (Cl. 87—9)

1. A soluble cutting compound consisting of the reaction products of mineral oil, 71 to 74 parts; castor oil, 8¼ to 9½ parts; rapeseed oil, 8¼ to 9½ parts; potassium hydroxide, 8¼ to 9½ parts; and sodium carbonate 0.6 to 1¼ parts; mixed and diluted with water.

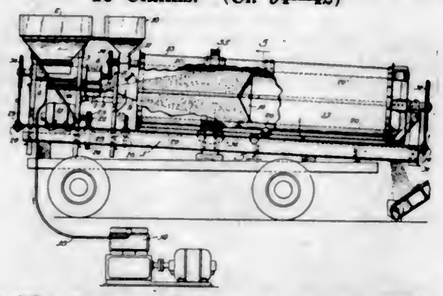
1,979,251

PROCESS AND APPARATUS FOR FORMING PAVING MATERIAL

Jacob B. Chapline, Chicago, Ill., assignor of one-fourth to Grier D. Patterson, Evanston, Ill.

Application March 20, 1933, Serial No. 661,757

16 Claims. (Cl. 94—42)



1. The process of forming paving material which consists in utilizing hot paving material, disintegrating it by an air blast into fine particles, and coating these fine particles with a dust which becomes a part of the pavement when laid, and cooling the particles whereby said particles will remain separate when piled.

1,979,252

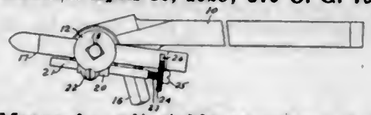
RADIUS TURNING TOOL

Harry J. Chedester, United States Navy

Application February 1, 1933, Serial No. 654,690

2 Claims. (Cl. 29—98)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for adjustably securing a tool in a tool holder for quick rough and quick fine adjustment comprising a pair of parallel shaftways extending through said tool holder, one of said shaftways slidably receiving said tool therein, a shaft slidably received in said second shaftway, means extending into each shaftway for individually locking said tool and said shaft against movement, means on said shaft adjustably securing said tool to said shaft, whereby said tool and shaftway may be moved simultaneously as a unit for rough adjustment when both locking means are unlocked and may be moved relative to each other for fine adjustment when one of said locking means is unlocked.

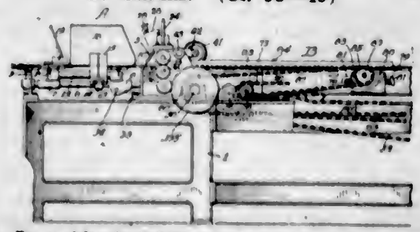
1,979,253

CARTON BLANK FOLDING AND STAPLING MACHINE

Don W. Coy, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois

Application February 21, 1931, Serial No. 517,443

27 Claims. (Cl. 93—49)



1. In a blank folding machine, the combination of a hopper, a feeder for successively moving blanks from said hopper, a traveling conveyor receiving and advancing the blanks, pivoted folders on opposite sides of said conveyor operative to fold end sections of the blank inwardly over the intermediate portions thereof, and means guiding the meeting edges of the end sections into overlapped relation as they are folded inwardly.

1,979,254

LEAD-SODIUM ALLOY

Frederick Baxter Downing, Carneys Point, and Louis S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1934, Serial No. 708,248

2 Claims. (Cl. 75—1)

1. A composition of matter comprising 10% sodium, 89.95% to 89.00% lead and 0.05% to 1.00% magnesium.

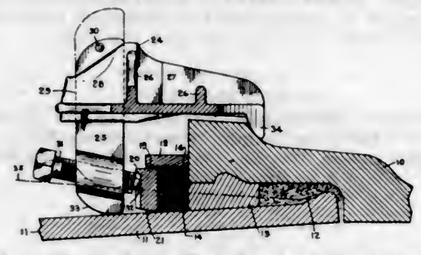
1,979,255

PIPE JOINT PACKING DEVICE

Frank A. Engel, Roselle Borough, Frank V. Lawrence, Plainfield, and Franklin Hudson, Roselle Borough, N. J., assignors to Inner-Tite Clamp Corporation, Elizabeth, N. J., a corporation of New Jersey

Application April 28, 1932, Serial No. 607,920

20 Claims. (Cl. 285—119)



5. A clamp for bell and spigot joints having packing means, a ring member having a lug engaging said bell section, said member extending beyond the end of the bell section, an adjustable arm mounted on said member and extending toward the spigot section, and means for engaging said packing means mounted on said arm.

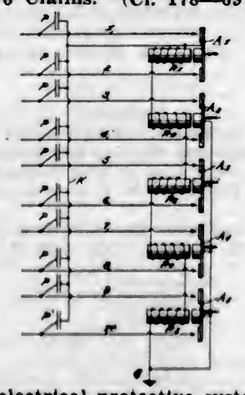
1,979,256

ELECTRICAL PROTECTIVE SYSTEM

Phillip H. Estes, Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 1, 1931, Serial No. 541,482

6 Claims. (Cl. 178—69)



2. In an electrical protective system the combination with a plurality of lines to be protected from voltages set up by an extraneous source, of a protective device connected with each line and means responsive to operation of any one of said protective devices for connecting all of said lines to ground through paths in parallel with said protective devices, said means comprising a plurality of relays each of which controls a group of said lines, one of said paths including the windings of all of said relays whereby a holding circuit is established for said relays when they are operated.

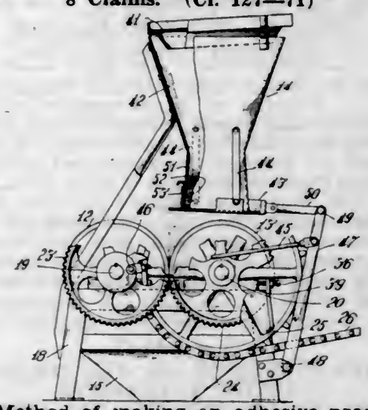
1,979,257

STARCH PRODUCT AND METHOD OF MAKING SAME

Fred O. Giesecke, Evanston, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware

Application December 26, 1928, Serial No. 328,577

8 Claims. (Cl. 127—71)



1. Method of making an adhesive product of the character described which comprises subjecting corn starch having a moisture content of from approximately 38% to 45% and containing substantially no hydrolyzing agent to momentarily applied mechanical pressure and to a temperature of approximately 300° F. while permitting free evaporation of moisture.

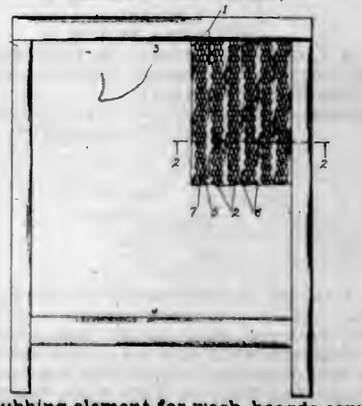
1,979,258

WASHBOARD

Charles T. Gilbert, Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill., a corporation of West Virginia

Application June 18, 1934, Serial No. 731,096

3 Claims. (Cl. 68—29)



1. A rubbing element for wash-boards comprising a sheet metal structure presenting alternat-

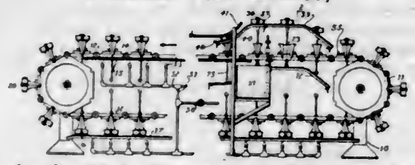
ing parallel ribs and grooves or valleys disposed lengthwise of the direction of rubbing, the bottoms of said valleys being formed with a plurality of embossments spaced apart, the crests of the ribs being substantially smooth.

1,979,259

MACHINE FOR MAKING ICE-CREAM CONES AND THE LIKE

John P. Groset and Christ J. Halset, Chicago, Ill., assignors to Ideal Machine Company, Chicago, Ill., a corporation of Illinois

Application December 11, 1933, Serial No. 701,926
9 Claims. (Cl. 107—58)



1. An ice-cream cone machine comprising a frame, a plurality of mold supports movably mounted on said frame, means for moving said supports longitudinally of said frame, a set of matrices for molding cones mounted outwardly from said frame on each end of each of said supports, each of said sets having a plurality of cone molding cavities therein; a plurality of cores, and means for passing said cores into and out of the respective cavities, said cavities being positioned in rows running transversely of said path of motion.

1,979,260

MIXED SYNTHETIC OIL AND PRODUCT DERIVED THEREFROM

Chester G. Gauerke, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1932, Serial No. 604,124
3 Claims. (Cl. 260—8)

1. A process which comprises heating a polyhydric alcohol containing more than two hydroxyl groups with a frosting drying oil and heating the partially esterified alcohol with the fatty oil acids obtained from a non-frosting oil, re-alcoholizing the mixed acid ester by heating with a polyhydric alcohol, and heating the partially esterified polyhydric alcohol with a polybasic acid until resinification occurs.

1,979,261

ADDRESS PLATE

Walter T. Gollwitzer, Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware

Application May 23, 1932, Serial No. 612,956
10 Claims. (Cl. 101—369)



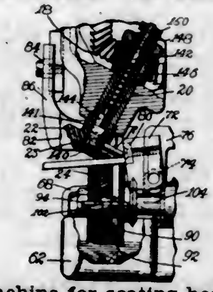
1. A device of the character described, comprising a plate, a tongue formed out of the body of the plate and lying in the plane of the plate, said tongue being connected at one end with the plate and adjacent its other end having a raised lip connected with the body of the tongue by an offset portion which is convex on the side toward the lip.

1,979,262

COATING MACHINE

John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 14, 1931, Serial No. 508,717
21 Claims. (Cl. 91—51)



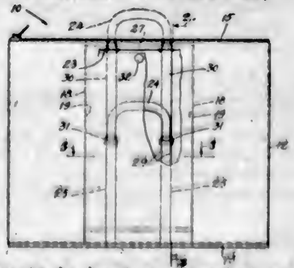
7. In a machine for coating heel-lifts, an edge gage for coaction with the periphery of a lift, a coating roll, and a driven frusto-conical feed roll opposite said coating roll and having a body-portion arranged for engagement with the surface of a lift adjacent to the periphery thereof where it contacts with said gage and a smaller portion movable independently of the body-portion and arranged to engage said lift-surface at points removed from the periphery and the gage.

1,979,263

PORTABLE RECEPTACLE

Abraham Halpin, New York, N. Y.

Application May 20, 1932, Serial No. 612,400
6 Claims. (Cl. 150—33)



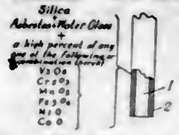
6. A receptacle having a pocket on the side thereof, and strap means substantially tautly secured in the pocket and extending into the pocket from the mouth thereof, a handle slidably engaged with said strap means for movement therealong into and out of the pocket and being secured to said receptacle by said strap means.

1,979,264

WELDING ELECTRODE

James C. Hodge and Magnus Christensen, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Application February 20, 1932, Serial No. 594,160
10 Claims. (Cl. 219—8)



1. A metallic weldrod in combination with a compound having included therein metallic ox-

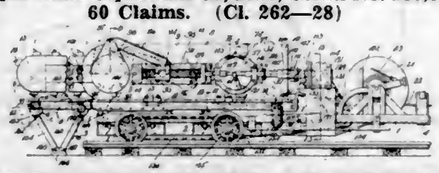
ide liberating oxygen under welding conditions, and a manganese metal at least in sufficient quantity to chemically combine with substantially all of the oxygen liberated by the reduction of the aforesaid metallic oxide.

1,979,265

MINING APPARATUS

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application September 30, 1926, Serial No. 138,661
60 Claims. (Cl. 262—28)



35. In a mining apparatus, a wheeled truck, a machine frame mounted thereon having a cutter bar thereon mounted for swinging movement in a vertical plane and a driving motor carried by said machine frame, and means driven by said motor for only alternatively swinging said bar about its pivot in such vertical plane and for driving the wheels of said truck and including common transmission mechanism.

1,979,266

MINING MACHINE

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application July 6, 1922, Serial No. 573,149
Renewed November 29, 1930
152 Claims. (Cl. 262—28)



1. In a mining machine, a portable frame, cutting means thereon including a motor mounted on said frame, and means driven from the opposite ends of said motor shaft for respectively effecting feed of said frame as a whole during cutting and feed during running around a mine.

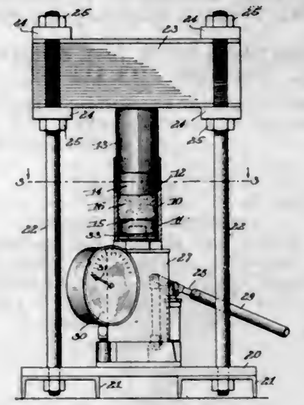
1,979,267

METHOD AND APPARATUS FOR TESTING BITUMINOUS AND OTHER MIXTURES

Henry L. Howe, Rochester, N. Y.

Application November 16, 1929, Serial No. 407,768
11 Claims. (Cl. 73—51)

11. Apparatus for testing mixtures comprising a cylinder for holding a mixture, said cylinder having a portion of larger diameter and a portion of smaller diameter, a plunger having a portion fitting in said cylinder portion of smaller diameter and another portion extending through said cylinder portion of larger diameter, said last named plunger portion contacting with and being guided by said cylinder portion of larger diameter, a second plunger extending into said cylinder portion of smaller diameter, and means for moving one of said plungers toward the other to compress the mixture between them within the cylinder portion of smaller diameter, the first named plunger being removable from said cylinder so that relative movement between said cylinder and said second plunger may move the compressed mixture from the cylinder portion of smaller diameter into the cylinder portion of larger diameter, to enable the compressed mixture to be removed readily from the cylinder.



1,979,268

SPINNING SOLUTION AND PROCESS FOR MAKING SAME

Johan D. W. Hubbeling, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

No Drawing. Application December 6, 1933, Serial No. 701,238
2 Claims. (Cl. 106—40)

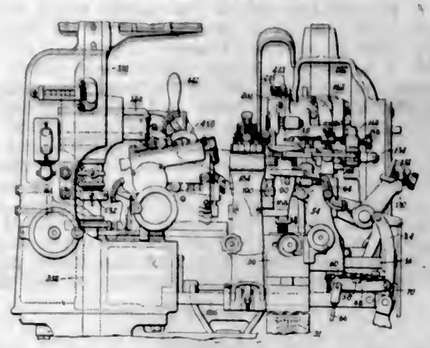
1. The method of producing an improved cellulosic spinning solution comprising adding to the solution an oil and subsequently introducing into said solution a pigment which has previously been suspended in an alkaline reagent consisting of water and alkali.

1,979,269

LASTING MACHINE

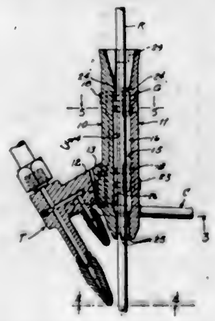
Bernhardt Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 29, 1933, Serial No. 685,508
157 Claims. (Cl. 12—12)



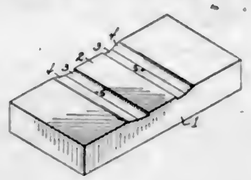
1. In a lasting machine, the combination with means for clamping upper materials around the heel end of a last, of devices supported by said clamping means for wiping the upper heightwise of the last at the sides only of its heel-end portion.

1,979,270
WELDING APPARATUS
Robert J. Kehl, Bayside, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 23, 1931, Serial No. 576,892
20 Claims. (Cl. 113—59)



1. In welding apparatus, the combination of a heating unit for providing welding heat at a welding point, a member connected with the heating unit having an expansible bore and means for holding said bore at varying degrees of expansion.

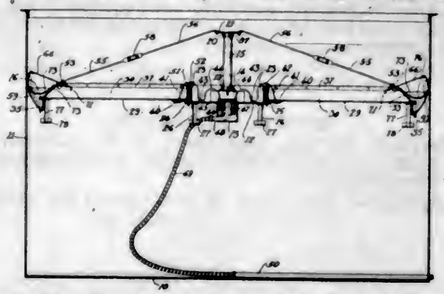
1,979,271
RAZOR BLADE SHARPENER
William J. Koller, Williamsport, Pa., assignor of forty-nine per cent to George M. Rieppel, Cowanesque, Pa.
Application June 22, 1932, Serial No. 618,750
Renewed January 31, 1934
1 Claim. (Cl. 51—211)



A sharpening device for safety razor blades, comprising a block having one of its faces at the central portion thereof depressed to provide a horizontal plane surface and inner and outer inclined surfaces arranged at different inclinations to each other and having connection with each other, the point of connection between the inclined surfaces being arranged in a plane with the horizontal surface and the inclination of the inner surface coinciding to the bevel edge of a razor blade while resting on a horizontal surface to permit sharpening of the cutting edge of the blade on the outer surface when engaged therewith and the blade moved on the horizontal surface endwise of the block.

1,979,272
PONTOON FLOATING DECK FOR TANKS
Andrew A. Kramer, Kansas City, Mo., assignor to George D. Beardsley, Kansas City, Mo.
Application September 28, 1927, Serial No. 222,555
3 Claims. (Cl. 220—26)

1. In combination with a tank, a floating deck comprising a circular series of segmental open topped pontoons within said tank, a common drain well for said pontoons and means for



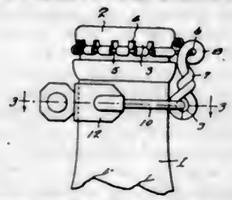
independently draining liquid from said pontoons into said well, comprising siphon members.

1,979,273
TELEGRAPH EXCHANGE SYSTEM
Cuthbert C. Lane, Little Neck, and George A. Locke, Glenwood, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 30, 1930, Serial No. 481,016
22 Claims. (Cl. 178—8)



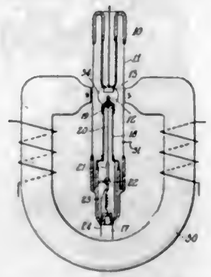
1. A printing telegraph exchange system comprising a central exchange, telegraph lines terminating thereat, a call signal circuit including a signaling device for one of said lines to indicate a call thereover, a stepping switch connected to the said line and effective upon the establishment of a calling condition upon said line to step, and means controlled by the stepping of said switch to establish and maintain said signal device in a call indicating condition.

1,979,274
CLOSURE AND SEAL THEREFOR
John G. Le Pere, Decatur, Ill., assignor to Williams Sealing Corporation, Decatur, Ill., a corporation of Illinois
Application September 5, 1933, Serial No. 688,085
5 Claims. (Cl. 215—95)



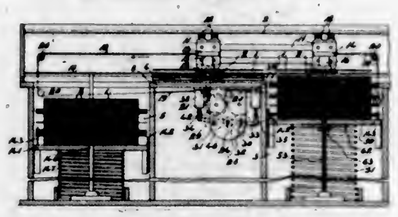
1. A tamper proof closure for containers of the character described comprising a cap for closing the container and having a skirt portion, a divided ring extending about said skirt portion and having hooked ends disposed adjacent each other, a lever having a pair of cam loops engaging the hooked ends of said ring, said lever having an eye at its lower end, and a tamper proof band tightly embracing the neck of the container and threaded through said eye.

1,979,275
AUTOELECTRONIC TRIODE DEVICE
Julius Edgar Lilienfeld, Brooklyn, N. Y.
Application October 3, 1928, Serial No. 310,014
8 Claims. (Cl. 250—27)



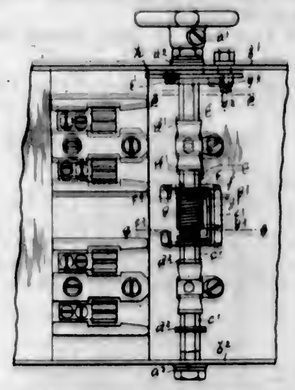
1. In an electrical discharge device embodying an autoelectronic cold anode and cold cathode and means to apply a potential across the same sufficient to effect a purely electronic discharge from the latter, an electrode associated with said anode and cathode, means to maintain the electrode more positive than said cathode, and magnetic means located in proximity thereto to provide a magnetic field whereby electrons emitted by the said cathode will be diverted to the said electrode.

1,979,276
AUTOMATIC GRAMOPHONE
George Stanley Mann, Ipswich, England
Application September 22, 1933, Serial No. 690,544
In Great Britain March 8, 1932
19 Claims. (Cl. 274—10)



7. An automatic gramophone comprising a pivoted reproducer arm, a main travelling carriage movable alternately in opposite directions, two electro-magnetic record-lifting devices mounted on the carriage, an electric motor, a reproducer device slidable on the reproducer arm, a switch carriage slidable on the reproducer arm and having contacts in the motor circuit tending to close together to complete the motor circuit, a separating member carried by the reproducer device engaging between the contacts during the playing of a record so as to separate the contacts and temporarily couple the reproducer device and switch carriage, the separating member being adapted to be suddenly withdrawn from the contacts and the reproducer device de-coupled from the switch carriage when the reproducer device enters the run-off groove of a played record, means operated by the motor for moving the travelling carriage from an initial position to the opposite end of its travel and then reversing its movement and stopping the carriage in its initial position, means controlled by the motor for energizing and de-energizing the electro-magnetic record-lifting devices to cause records to be lifted while the carriage is at one end of its travel and to be released when the carriage is at the opposite end of its travel, a cam device operated by the motor to cause the reproducer arm to be automatically raised and the reproducer device re-coupled to the switch carriage after the playing of a record and to be lowered when the main carriage returns to the initial position, a switch for maintaining the motor circuit closed when the switch contacts on the reproducer arm have been opened after the raising of the reproducer arm, and a cam operated by the motor for controlling the said switch.

1,979,277
ELECTRIC SWITCH
Harold Fletcher McLoughlin and Frank William Osborn, Birmingham, England
Application August 1, 1929, Serial No. 382,712
In Great Britain June 12, 1929
3 Claims. (Cl. 200—70)



1. A switch of the class described, comprising a support, fixed contacts on the support, a spindle having sleeves thereon and supported by said support, contacts carried by the sleeve, stirrups supported respectively by the spindle and by the sleeves, a quadrant member on the spindle, a control member on the sleeve, a pawl journaled on the support for interlocking the quadrant member with the control member, a coil spring supported by the sleeves and having terminals engaging both stirrups, whereby the spring may be placed under tension during the movement of a stirrup.

1,979,278
CHAIR
Ulysses B. McMurtry, Toronto, Ontario, Canada
Application March 31, 1933, Serial No. 663,831
In Canada April 1, 1932
5 Claims. (Cl. 155—119)



4. In a foldable chair, an inner rectangular frame having a lower cross-bar therein, a revolvable cross-bar mounted in the upper end of the inner frame, an outer rectangular frame pivotally connected to the inner frame, and having a pair of cross-bars forming the ends of same,

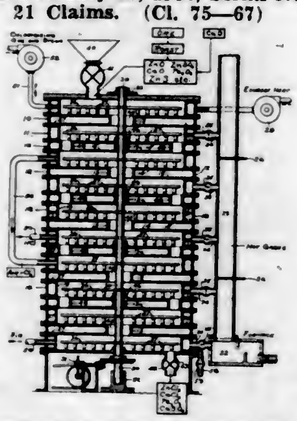
means supported by the inner frame for holding the two frames in angular relation to each other, a back and a seat composed of a continuous strip of flexible material, a free end on the seat material in engagement with the revolvable cross-bar of the inner frame, resilient means connecting the end of the back material with the upper cross-bar of said outer frame, a cross-bar mounted in the back and seat material at their point of junction, and resilient means connecting the last named cross-bar with the free end of the seat material, and the lower cross-bar of the inner frame, for holding the back and seat material of the chair under tension.

1,979,279

METHOD OF TREATING ORE MATERIALS

Thomas Austin Mitchell, Denver, Colo., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming

Application February 18, 1932, Serial No. 593,931
21 Claims. (Cl. 75—67)



1. The method of chloridizing an ore containing a high content of zinc sulfide comprising the steps of roasting the ore in a finely divided condition to form zinc oxide and leaving residual sulfide sulfur therein, chloridizing the roasted material by means of hydrochloric acid while maintaining the material at a temperature below the volatilization point of zinc chloride but above the boiling point of water to vaporize the chemical water as fast as it is formed, and thereafter treating the material with chlorine gas in the presence of an alkaline earth metal compound capable of and proportioned for reacting with all available sulfate radical and preventing the formation of zinc sulfate, whereby substantially the entire content of zinc sulfide is converted to a chloride.

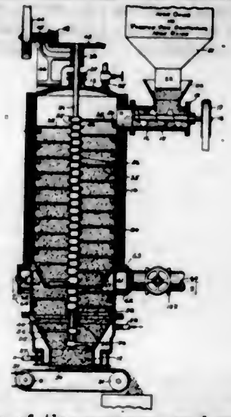
1,979,280

METHOD OF CHLORIDIZING ORE MATERIALS

Thomas A. Mitchell, Denver, Colo., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming

Application December 2, 1932, Serial No. 645,454
28 Claims. (Cl. 75—67)

1. The method of converting iron oxide to iron chloride comprising the steps of treating a deep bed of the iron oxide with strong hydrochloric acid gas, while preventing the admission of a material amount of air thereto, maintaining conditions whereby the heat of reaction is absorbed in the material being treated and creates a temperature above 100° C. but below the point at which the iron chloride will decompose under



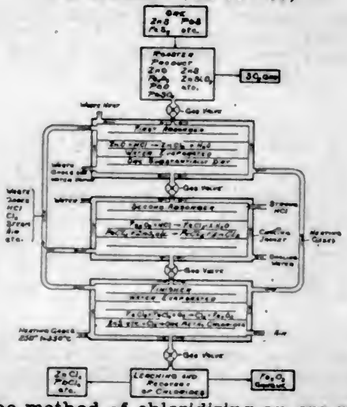
the conditions of the process, and removing the excess of water as steam from the reaction zone.

1,979,281

METHOD OF CHLORIDIZING ORES

Thomas A. Mitchell, Denver, Colo., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming

Application September 1, 1933, Serial No. 687,827
In Canada April 8, 1932
27 Claims. (Cl. 75—67)



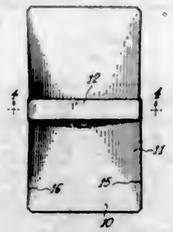
1. The method of chloridizing an ore material containing a high zinc content comprising the steps of treating it in a granular condition and at a low temperature with a chloridizing reagent and converting zinc oxide to a chloride under conditions wherein the ore or the surrounding gas contains or develops water, and simultaneously with the chloridizing step removing the water as vapor to such an extent that, with reference to the capacity of the ore material to absorb the water, there will be insufficient water available to produce, by solution of the deliquescent zinc chloride, a viscous, syrupy or lumpy condition, and thereby causing the ore material to remain substantially dry, granular and permeable to reagent fluids, and subsequently treating the dry ore material with a gaseous reagent and chloridizing further ore values without interference by said water and zinc chloride, although the zinc chloride is present in a sufficiently high content and the chloridizing process is such that this detrimental result would occur if the water content of the ore were not thus controlled.

1,979,282

RAZOR BLADE HONING AND STROPPING DEVICE

Charles Newman, Elizabeth, N. J.

Application September 27, 1933, Serial No. 691,106
15 Claims. (Cl. 51—211)



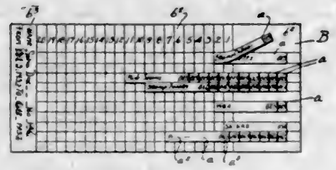
1. A razor blade honing device comprising a flexible plate member adapted to be fixed into arched condition, and a yoke member spanning the opposite parallel sides of said plate and retaining the same in arched condition, said yoke member having bent tongues frictionally engaging said parallel edges of the plate, said yoke member being slidably movable along said edges to vary the degree of concavity of said arched plate at points between said yoke and the ends of the plate.

1,979,283

ACCOUNTING SYSTEM

Henry C. Osborn, Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del., a corporation of Delaware

Application November 18, 1932, Serial No. 643,196
11 Claims. (Cl. 283—66)



1. The combination of a chart ruled in two directions at right angles to each other to provide a series of horizontal rows and a series of vertical columns, and a set of coupons, each having adhesive on its rear face adjacent one end and having a designation on its front face adjacent the other end, said coupons being of such width and length that they may be readily attached in the same horizontal row, each to a successive column, and when so attached will have their said indications visible.

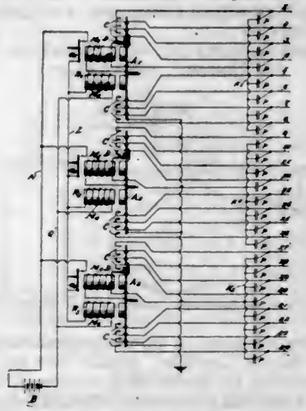
1,979,284

ELECTRICAL PROTECTIVE SYSTEM

Lewis H. Rovere, Brooklyn, N. Y., and Phillip H. Estes, Rutherford, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 1, 1931, Serial No. 541,509
6 Claims. (Cl. 178—69)

1. In an electrical protective system the combination with a plurality of groups of lines to be protected from voltages set up by an extraneous source, of a protective device connected with each line and means individual to each group responsive to operation of any one of said protective devices for connecting all of said lines to ground, each of said means comprising a relay operating



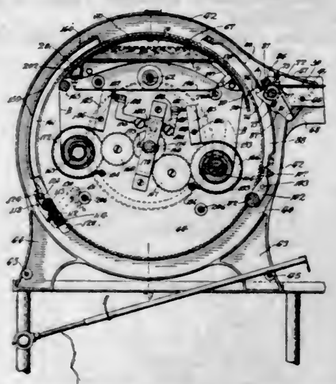
to ground the lines of its group and to cause the operation of the relays of the other groups.

1,979,285

DUPLICATING MACHINE

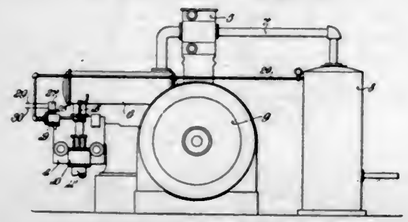
George Sabik, Western Springs, and Samuel Offer, Chicago, Ill., assignors to U. S. Duplicator Company, Chicago, Ill., a corporation of Illinois

Application July 25, 1932, Serial No. 624,512
27 Claims. (Cl. 101—131)



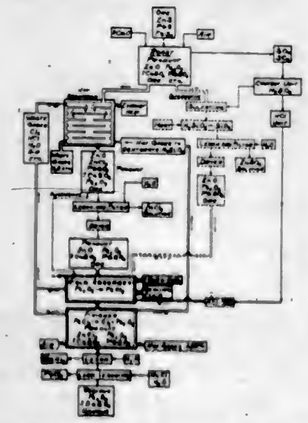
1. In a duplicating machine, the combination of a frame provided with a bed plate adapted to support a gelatine band, a carrier adapted to traverse the bed plate, a presser member carried by said carrier and adapted to spread a paper sheet evenly upon the surface of the gelatine band, a feed roll in adjacent relation to the bed plate, means actuated by the movement of the carrier for intermittently rotating the feed roll to advance a paper sheet to the bed plate prior to the arrival of the presser member, a row of fingers presenting their tips toward the feed roll and adapted in conjunction therewith to position the edge of the paper sheet in position to be fed forwardly by the rotation of the feed roll, and guide members intermediate the feed roll and the bed plate and mounted in position to underlie and guide the leading edge of the paper when fed inwardly by the feed roll, and means for retracting said guide members away from the bed plate to afford clearance for the passage of the presser member.

1,979,286
COMPRESSOR
John W. Sanford, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 24, 1931, Serial No. 510,936
24 Claims. (Cl. 230—4)



1. In combination, a power consuming device, a driving motor therefor, means for varying the power required to drive said device, and means including electrically operated timing devices cooperating with said power varying means and respectively controlling the duration of increased and of reduced power demand for automatically periodically reducing the load on said motor to a minimum over predetermined time intervals.

1,979,287
METHOD OF CHLORIDIZING ORE MATERIALS
Royal L. Sessions, Denver, Colo., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming
Application June 14, 1933, Serial No. 675,796
21 Claims. (Cl. 75—67)



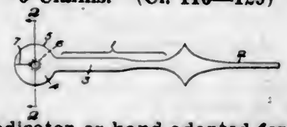
1. The method of chloridizing an ore material containing an ore metal oxide and an acid-soluble silicate comprising the steps of converting an ore metal oxide to a soluble salt by a direct low-temperature reaction of the ore material in a substantially dry, granular condition with an acid reagent which also converts said silicate to silicic acid, then heating the treated ore material to dehydrate the silicic acid and leave the ore material in a granular, gas-permeable condition, and thereafter chloridizing the partially treated, dry residue by means of a gaseous reagent containing the chlorine atom and at a low temperature at which silicic acid would resist penetration of the reagent gas into the ore material.

1,979,288
METHOD OF FORMING COLLARED APERTURES IN SHEET METAL ARTICLES INCLUDING CHRONOMETER INDICATORS
Francis R. Smith, Wakefield, Mass.
Application February 20, 1933, Serial No. 657,588
4 Claims. (Cl. 113—116)



3. That method of forming an indicator for chronometers, recorders and the like comprising the following steps: forming a through aperture in a sheet metal blank; forming a through cut transversely of the indicator hub flange to be formed while guiding and locating the cut forming tool, to bring one end of said cut to an accurately predetermined point, and drawing an apertured collar at said end of the cut in such manner that the metal is broken through into the cut during the drawing operation.

1,979,289
INDICATOR FOR CHRONOMETERS AND THE LIKE
Francis R. Smith, Wakefield, Mass.
Original application February 20, 1933, Serial No. 657,588. Divided and this application February 26, 1934, Serial No. 712,859
6 Claims. (Cl. 116—129)

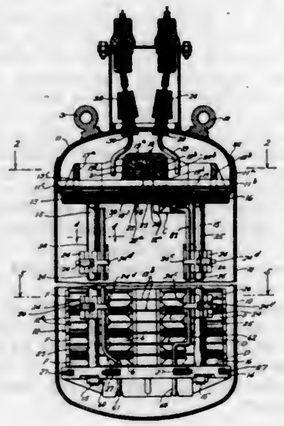


1. An indicator or hand adapted for mounting and frictional retention upon an arbor of a chronometer, recorder or the like, said indicator comprising an integral one-piece sheet metal device including a hub portion and a pointer portion projecting from the latter, said hub portion having a flange and an integral draw collar, said flange and collar surrounding and defining an arbor aperture and having through them a slit-like separating formation extending from the periphery of the flange and into said aperture and wherein the opposed metal edges are substantially in closed, contacting and mating relation upon completion of said formation and said indicator.

1,979,290
CONDENSER CONSTRUCTION
Franklin S. Smith, Brooklyn, N. Y.
Application May 25, 1931, Serial No. 539,810
51 Claims. (Cl. 175—41)

1. In condenser construction, in combination, a tank having a flanged closure member, the flange of which is shaped to be received into the open end of said tank, said flange having a plurality of pairs of opposed openings, a plurality of bars carried by said closure member, one bar for each pair of openings and each bar having its ends seated in an opening in said flange, a block of solid material carried by said bars, a frame-like member extending crosswise of said tank and having a hollow portion in which said block is received but dimensioned so that said block is spaced from the walls of said hollow portion, a plurality of inter-leaved condenser plates suspended from said frame-like member, and yielding means interposed between said block and the walls of said hollow portion.

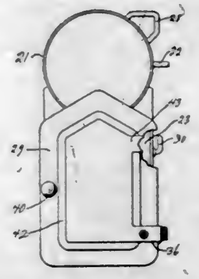
8. In condenser construction, in combination, a casing; a condenser construction operating at power frequencies and including a plurality of plates and discharge coils connected thereacross; said discharge coils acting to dissipate any charge retained by said plates after the condenser is disconnected from its circuit and means for acoustically insulating said plates and said coils from said casing, thereby to prevent said plates and coils from causing vibration of said casing at an audio frequency rate.



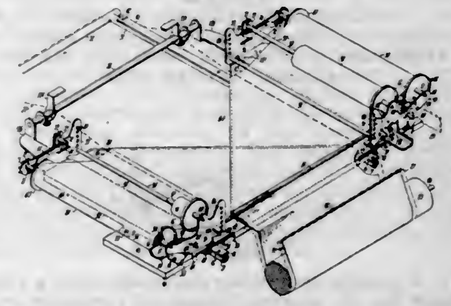
51. In condenser construction, in combination, a cylindrical tank; an electric condenser therein comprising foil plates alternated with solid dielectric material and arranged in a stack whose axis is substantially coincident with the axis of said tank, said stack being substantially square in cross-section; two pressure plates, one at each end of said stack; a plurality of metallic rods extending along but spaced from the sides of said stack and coacting with said pressure plates to hold said stack in compression; a plurality of solid dielectric members strung along said rods and engaging the sides of said stack to prevent intermediate portions of the latter from moving out of alinement with the axis of said stack; solid dielectric tubular members strung onto said rods and alternated with said solid dielectric members for holding the latter spaced lengthwise along said rods, said parts being so proportioned that there is a space between said solid dielectric tubular members and the sides of said stack; and a gaseous dielectric under pressure filling said space and being thereby arranged in series with said solid dielectric tubular members for coaction therewith in insulating said stack from said rods.

1,979,291
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application April 30, 1931, Serial No. 533,996
2 Claims. (Cl. 62—1)

1. An element for use in mechanical refrigerators comprising an evaporator having a portion thereof forming an open ended chamber for the freezing and storing of frozen articles, means forming a closure member for said open end of said chamber, said last named means comprising a heat conducting member, and means for supporting said closure member in position including a hinge of resilient non-conducting material, said element being adapted to be located as a unit within a refrigerator to be cooled.



1,979,292
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 5, 1932, Serial No. 596,964
25 Claims. (Cl. 197—126)

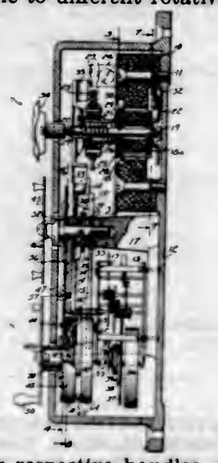


1. The combination with a typewriting machine having a platen, of means for guiding a multiple-ply work-sheet web to said platen, a carbon-carrier movable on said machine toward and away from said platen, said carbon-carrier including means for holding superposed carbon-sheets to be directed crosswise of said web and then turned in the direction of said web, means for separating said carbon-sheets and effecting the turning thereof, said separating and turning means including a plurality of vertically-spaced rods for separating and guiding the carbon-sheets as they are directed crosswise as aforesaid, each rod having a carbon-turning member fastened thereto and positioned to extend diagonally across the work-web, and means mounting said rods for rotation, so that the carbon-turning members may be swung toward and from the work-web.

1,979,293
PLURAL ACTION INTERVAL TIMER
Raymond D. Smith, Pleasantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass., a corporation of Massachusetts
Original application February 2, 1923, Serial No. 616,549, now Patent No. 1,967,270, dated July 24, 1934. Divided and this application July 26, 1927, Serial No. 208,548
17 Claims. (Cl. 161—1)

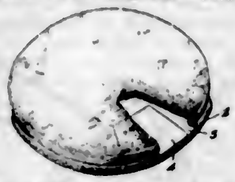
1. In a timing mechanism, in combination, two clock-driven timers having separate setting han-

dles connected to travel therewith, said timers being adjustable to different rotative relation by



means of their respective handles, and connections whereby one of said timers impels the other.

1,979,294
POWDER DISPENSING DEVICE
Stuart C. Stimson, Oklahoma City, Okla.
Application May 15, 1931, Serial No. 537,733
21 Claims. (Cl. 132—78.5)



1. A powder containing puff comprising a container for the powder formed by container sections, a section consisting of interconnected fabric, elastic, and puff elements, the elastic elements normally maintaining said section substantially impervious to the passage of powder therethrough, and capable, when distended, of forming with the fabric elements a plurality of interstices through which the powder may be dispensed from the container to said puff elements for application.

1,979,295
CALCULATING MACHINE
Oscar J. Sundstrand, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 3, 1931, Serial No. 519,792
187 Claims. (Cl. 235—60)

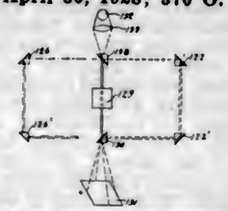
7. The combination of a series of denominationally arranged actuators adapted to rock about a common axis; of an indexing carriage shiftable differential distances within the arc traversed by the actuators and relatively thereto for effective cooperation with the actuators; denominational rows of elements mounted in the carriage and settable to positions to select the desired actuators for operation; an oscillatory support for the carriage and relatively to which the carriage is adjusted in its advance and return; and means to oscillate the support from one to the other limit of its travel, and return, subsequently to the location of the carriage in effective relation to the actuators, and prior to its restoration to position without the arc traversed by the actuators, to control the actuators.



30. The combination with an indexing carriage; means to advance the carriage differentially; and a main drive shaft; of means to restore the indexing carriage to its home position against the influence of the means which advances the carriage, including a motor controlled by the main drive shaft; and a supplemental motor adapted to be energized by the main drive shaft proportionally to the extent of advance of the indexing carriage, to assist the carriage-restoring motor to return the carriage.

53. The combination with a totalizer; a series of denominationally arranged actuators therefor; and manipulative devices; of an indexing field of value-representing elements selectively set by the manipulative devices so that one end of each set element represents a digit of the actual amount to be registered and the opposite end represents the complemental value of such digit; and means to render either end of each of the elements effective to control the excursions of their actuators.

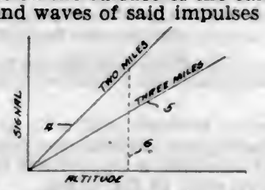
1,979,296
TELEVISION APPARATUS
William H. Sweeney, Washington, D. C.
Application October 19, 1931, Serial No. 569,763
14 Claims. (Cl. 178—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. In a television device, a source of light, means to cause a beam from said source to vibrate in a plane, means to cause said vibrating beam to vibrate in a plane transverse to the aforesaid plane, means to control the frequency of said transverse vibration of said vibrating beam, means to vary the frequency of said transverse vibration in a predetermined sequence not related to the subject being transmitted, and means to vary said sequence each said rate of vibration in the sequence being maintained constant for a predetermined time interval which may differ in duration from the duration of any other rate.

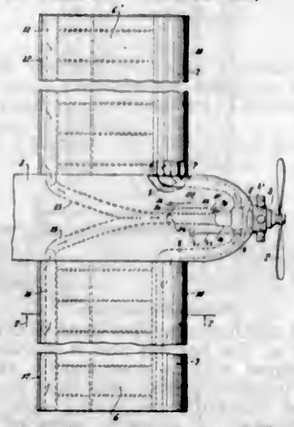
1,979,297
AIRCRAFT ALTITUDE DETERMINATION SYSTEM
Albert H. Taylor, Leo C. Young, and Lawrence A. Hyland, Washington, D. C.
Application February 20, 1933, Serial No. 657,660
3 Claims. (Cl. 250—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of determining the altitude of an aircraft, consisting of transmitting super high frequency electromagnetic impulses from a definite point on the surface of the earth, receiving the ground waves of said impulses at a point



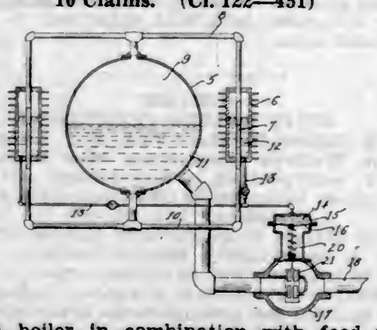
in the air a known distance from said first point and by the intensity of said received impulses determining the altitude of said point above the said earth's surface.

1,979,298
AEROPLANE WING
Serge Trey and William Howard, College Point, N. Y.
Application August 21, 1931, Serial No. 558,534
Renewed February 2, 1934
20 Claims. (Cl. 244—12)



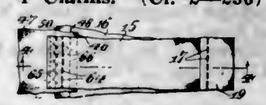
1. The combination with an aerofoil, of means for producing an air stream, and an open duct for said air stream terminating substantially at the intersection of the median surface of the aerofoil with the leading edge thereof.

1,979,299
FEED WATER REGULATOR
Vincent V. Veenschoten, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application June 18, 1932, Serial No. 617,963
10 Claims. (Cl. 122—451)



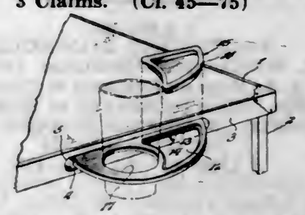
1. A boiler in combination with feed water mechanism therefor, said mechanism comprising feed water valve, a regulator for said valve mounted on each side of the boiler and midway of the ends of the boiler, each regulator being operatively in communication with the steam space and the water space of the boiler and being operatively associated with the valve.

1,979,300
METHOD OF MAKING GARMENTS AND PRODUCT THEREOF
Sam Wachtel and Louis B. Zeldis, Philadelphia, Pa.
Application April 8, 1933, Serial No. 665,050
4 Claims. (Cl. 2—236)



1. The method of affixing the lining to garments, which consists in turning back and over upon itself a marginal portion of a lining fabric, overlapping, to a suitable extent, upon said overturned marginal portion of the lining fabric, the marginal portion of the garment fabric, superimposing a stiffening fabric ply upon said lining fabric, with the marginal portion of said stiffening fabric overlapping the marginal portion of the garment fabric, applying a row of straight-line stitches through the overlapped marginal portions of the stiffening fabric ply, the garment fabric and the lining fabric, with both sides or terminal portions of each stitch being on the upper surfaces of the respective fabrics when the stitch is completed, and with the intermediate or connecting portions of the thread of the stitches being underneath and extending across the turned edge of the lining fabric in the same direction, and lastly positioning said three fabrics in laminated relation to each other with the stiffening fabric ply disposed intermediate the garment fabric and the lining fabric.

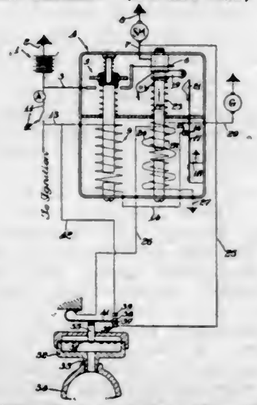
1,979,301
TRAY
George C. Webb, Buffalo, N. Y.
Application June 20, 1933, Serial No. 676,744
3 Claims. (Cl. 45—75)



1. A table having a top and a depending wall formed with a longitudinally extending slot, a tray having an arcuate edge and a straight edge between ends of the arcuate edge, a lip depending from the straight edge of said tray and at its lower edge carrying an inwardly extending flange disposed below the tray in spaced parallel relation thereto, said tray being received in said slot with its upper face contacting with the upper wall of the slot and said flange resting upon the lower wall of the slot, a pin passed vertically through the tray and flange midway the length of the flange and having its upper and lower end portions embedded in the wall of the table, said pin pivotally mounting the tray for turning movement from an extended position to a retracted position beneath the table top, the tray when retracted having its lip filling the slot

with its outer face flush with the outer face of said wall, said flange having its end portions formed with notches spaced an equal distance from the pivot pin and opening through the free side edge of the flange, an abutment rising from the lower wall of said slot near one end thereof and engageable in either notch to limit turning movement of the tray, and a latch for engaging said flange and releasably securing the tray in extended and retracted positions.

1,979,302
BACKFIRE RELEASE
Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application November 30, 1931, Serial No. 578,117
12 Claims. (Cl. 290—38)



4. In combination, an internal combustion engine including a fuel intake system, automatic starting mechanism for said engine including a magnetically operated starting switch, a control circuit therefor, magnetic means for opening said control circuit when the engine starts and means responsive to positive pressure in the intake system of said engine above atmospheric pressure for energizing said opening means.

1,979,303
PROCESSING ALCOHOLS
John C. Woodhouse, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1932, Serial No. 648,983
5 Claims. (Cl. 260—156)

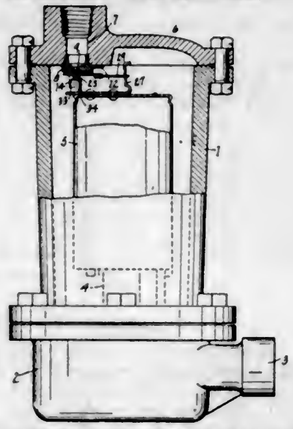
1. A process for the removal of color from the colored higher alcohols-containing mixture obtainable by the catalytic hydrogenation of oxide of carbon under pressure and boiling above 165° C. which comprises treating said materials with metallic sodium as a decolorizing agent.

1,979,304
METHOD OF CONNECTING CABLES AND THE LIKE AND ARTICLE PRODUCED THEREBY
Cedric S. Anderson, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application April 30, 1930, Serial No. 448,669
6 Claims. (Cl. 29—148)

1. The method of connecting the ends of bodies such as cables which comprises inserting said ends in the ends of a tubular casing with said ends of the bodies spaced apart, subjecting said casing to a suitable mechanical action so as to cause intimate inter-engagement of the materials of said casing and said bodies, dividing the casing between said ends of the bodies, screw-threading the divided end portions of the casing, and screwing a connecting member onto said threaded ends of the casing.



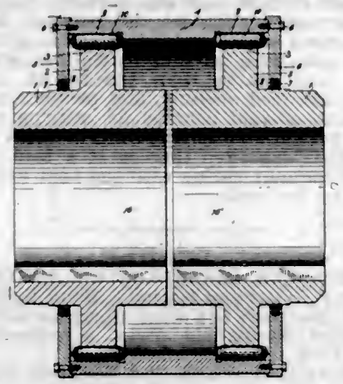
1,979,305
VALVE MECHANISM
Adam E. Armstrong, Three Rivers, Mich.
Application June 15, 1933, Serial No. 675,927
16 Claims. (Cl. 137—103)



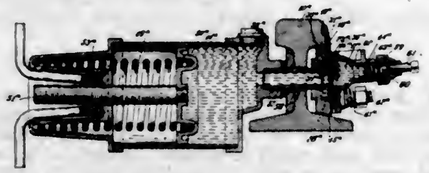
1. The combination of a float chamber having an inlet at the bottom and a discharge at the top provided with a downwardly facing valve seat, an inverted bucket type float provided with a central upwardly projecting arm, depending studs disposed on opposite sides of said valve seat, a valve lever having ears disposed in a plane downwardly and rearwardly inclined relative to the lever arm and pivotally and slidably engaging said studs, said arm on said float having limited sliding engagement with the outer end of said lever, said lever being provided with a fulcrum member having fulcrum points for successively engaging the top of the chamber at the side of the valve seat opposite that of said arm on said float at increasing distances from the seat on the opening of the valve, a spherical valve mounted on said valve lever to coact with said valve seat, and a thrust member disposed on said float at one side thereof and in approximate alignment with said valve seat to coact with said valve.

1,979,306
SPLIT ROLLER COUPLING
Otto A. Banner, Highland Park, N. J., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application November 14, 1931, Serial No. 575,010
6 Claims. (Cl. 64—89)

1. In a shaft coupling, hubs having external teeth, a cover having internal teeth in radial relation but not meshing with the external teeth of the hubs, connectors in the gaps of radially related internal and external teeth, said connectors comprising internal and external elements, said external elements formed of two separate portions, one of said portions being a driven and the other a driving portion, said internal elements tiltable with respect to said external elements.



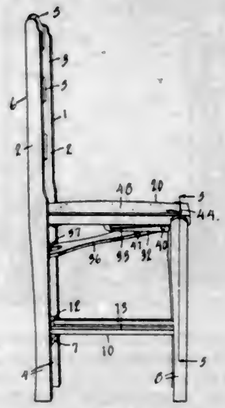
1,979,307
RAIL AND WHEEL FLANGE LUBRICATOR
Harry B. Bates, Chicago, Ill., assignor to Maintenance Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 10, 1932, Serial No. 642,014
16 Claims. (Cl. 184—3)



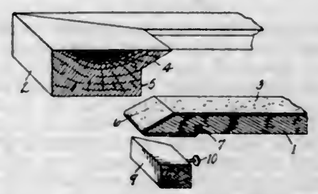
1. A rail lubricating mechanism comprising, in combination, a main reservoir for lubricant, an auxiliary reservoir having a variable capacity and provided with inlet and discharge ports, means for charging said auxiliary reservoir with lubricant under pressure from the main reservoir, and wheel actuated means for closing said inlet port and opening said discharge port to permit discharge of lubricant from said auxiliary reservoir.

1,979,308
FOLDING CHAIR
John W. Beiger, Ludington, Mich., assignor to Carrom Company, Ludington, Mich.
Application November 18, 1931, Serial No. 575,853
4 Claims. (Cl. 155—141)

1. In a folding chair of the class described having a pair of spaced uprights constituting the back supports and rear legs of the chair and having a pair of front legs and having brace means pivoted between said back legs and between said front legs and having a seat pivoted between said back legs and between said front legs, the combination of spaced apart slotted way plates depending from said seat, each having an elongated forwardly and upwardly inclined slot terminating in a short downwardly inclined keeper portion adjacent the forward edge of said seat, and a combined brace and latch panel having its forward edge substantially as wide as said chair seat and pivoted between said rear legs intermediate their bottom and the seat, and of a length to reach substantially to the front edge of the seat when the chair is unfolded, and means carried by the forward end of said panel having projecting portions slidably engaging said slots, whereby when the chair is open said projecting portions are held by gravity in the keeper portions of said way plates to prevent collapsing of the chair and in a position near the front edge of the seat to be lifted from the front of the chair and disengaged from the keeper by grasping said seat and the front of said panel and the chair collapsed by raising the front of the seat.



1,979,309
TABLE TOP CONSTRUCTION
John W. Beiger, Ludington, Mich., assignor to The Carrom Company, Ludington, Mich.
Application January 16, 1933, Serial No. 651,872
5 Claims. (Cl. 45—31)

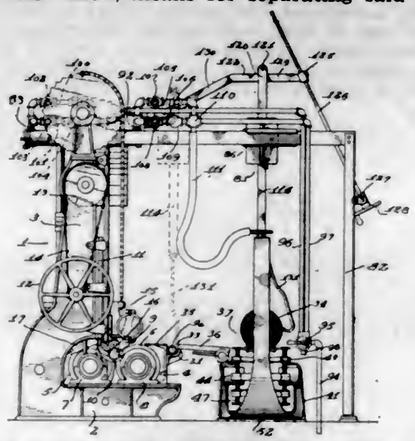


1. In a table top construction, a top panel having a beveled edge and a kerf on the side opposite the bevel and spaced from the edge, a flexible cover over the panel and bevel with its edges rolled in said kerf, a frame adapted to receive said top panel and having an inwardly-extending downwardly-facing bevel to engage said beveled edge, and having a portion thereon to receive a retaining strip, a retaining strip in engagement with the bottom of said top panel, and nails holding said retaining strip to said frame, whereby the beveled edge of said top panel is held against said downwardly-facing bevel.

1,979,310
PAPER WINDER
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application July 22, 1931, Serial No. 552,442
25 Claims. (Cl. 242—81)

24. In combination with a web winding apparatus for winding web material into a roll around

a winder shaft, means for separating said roll



and winder shaft, and hook means to return said winder shaft to said winding apparatus.

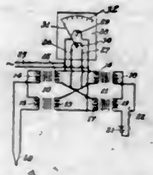
1,979,311

SYSTEM OF MEASUREMENT AND CONTROL

Perry A. Borden, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application May 2, 1933, Serial No. 668,946

16 Claims. (Cl. 236—69)



14. Electrical measuring and/or control system, comprising a source of alternating current, a reactor member having a circuit connected thereto, a magnetizing circuit associated with the reactor, means adapted to be included in series with the magnetizing circuit and subject to a variable condition for magnetizing directly the reactor member, and means connected with the reactor circuit for measuring and/or controlling the said condition.

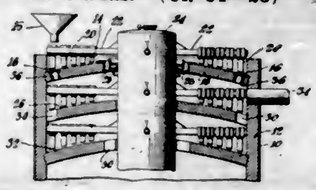
1,979,312

ORE DRYING APPARATUS

Roy R. Burns, Copperhill, Tenn., assignor to Tennessee Copper Company, a corporation of New Jersey

Application January 29, 1932, Serial No. 589,554

12 Claims. (Cl. 34—23)



1. In a roasting furnace, a plurality of hearths, one above the other and defining therebetween communicating roasting or desulfurizing chambers, the uppermost of said hearths constituting an ore-drying hearth and provided with an opening through which to feed dried ore to the next succeeding hearth, means associated with said drying hearth for introducing wet ore thereto at a point remote from said opening, said hearth being provided adjacent the point of wet ore introduction with spaced inserts permitting more rapid heat transfer to the ore being fed across said hearth than the hearth portions nearer said feed opening, and means associated with each of said hearths for stirring ore disposed thereon and moving said ore from a point where it is deposited thereon to a feed opening therein communicating with the next succeeding hearth in the series.

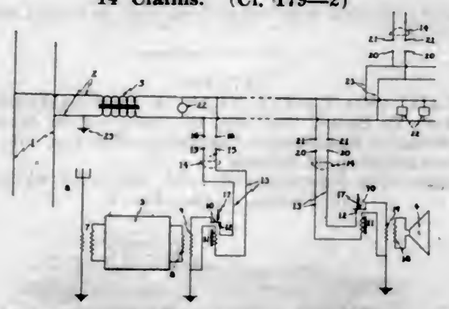
1,979,313

PROGRAM DISTRIBUTION SYSTEM

William F. Cotter and Marion E. Bond, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application March 23, 1933, Serial No. 662,252

14 Claims. (Cl. 179—2)



1. A communication system comprising a power line having connections to a source of supply and a plurality of conductors, circuits between said line and earth to enable signals to be sent and received by way of said line, and an impedance in said conductors between said signal circuits and the power source, said impedance forming a continuous metallic connection for the transmission of power current through the remainder of said power line.

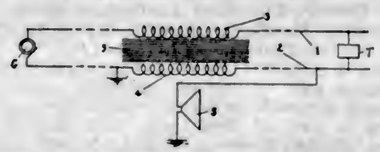
1,979,314

POWER LINE REACTOR

William F. Cotter and Marion E. Bond, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application March 23, 1933, Serial No. 662,253

4 Claims. (Cl. 171—97)



1. In a system having conductors and a source of energy connected thereto, a reactor comprising windings in a plurality of said conductors, said conductors being connected to different points of said source of energy supplying said system, and one of said conductors being permanently grounded between said reactor and said source, said windings being in inductive relation to each other and wound to neutralize each other's magnetic effects, and a grounded translating device connected to the grounded conductor on the opposite side of said reactor.

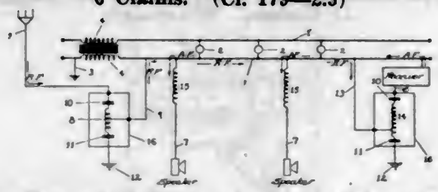
1,979,315

RADIO APPARATUS

William F. Cotter, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application November 28, 1933, Serial No. 700,049

6 Claims. (Cl. 179—2.5)



2. The method of receiving radio signals which consists in impressing radiofrequency oscillations upon the conductor of a power line, transmitting said signals to a radio receiver, detecting said signals, impressing the audiofrequency oscillations delivered by said receiver upon said power line, and conducting said audiofrequency oscillations from the power line to one or more desired points, and at the same time obstructing the transmission of radiofrequency oscillations to said points.

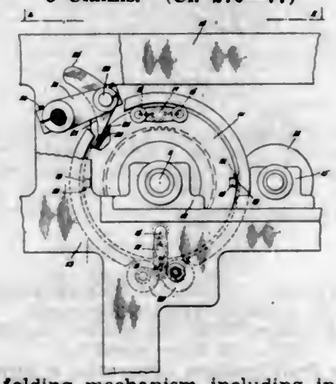
1,979,316

FOLDING MECHANISM

Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application November 11, 1931, Serial No. 574,257

5 Claims. (Cl. 270—77)



1. A folding mechanism including in combination a folding cylinder having sheet taking and folding devices, and sheet stripping means positioned beyond the normal position of the head of the sheet in folding off position including a rod extending lengthwise of the cylinder and mounted for pivotal movement toward and away from the cylinder and stripping shoes mounted on said rod and extending away from said cylinder and means for normally holding said stripping means against said pivotal movement.

1,979,317

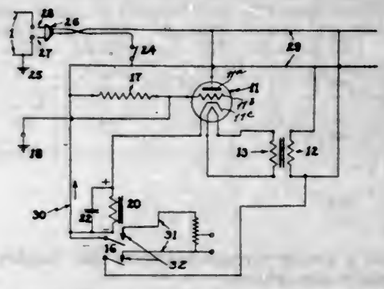
ELECTRIC RELAY

Leslie F. Curtis, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application March 23, 1933, Serial No. 662,205

8 Claims. (Cl. 179—184)

8. The combination of an alternating-current energizing circuit having one side grounded, a relay circuit connected thereto and having therein a three-element vacuum tube rectifier with an anode joined to said grounded side and a grid connected to ground, a permanent connection



including a resistance between the grid of said tube and one side of the energizing circuit, a relay coil in circuit with the rectifier, and a circuit controlled by said relay.

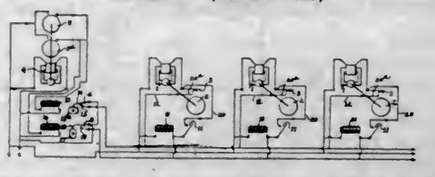
1,979,318

TIME RECORDER SYSTEM

Adolph L. Denniston, Park Ridge, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware

Application September 24, 1932, Serial No. 634,666

7 Claims. (Cl. 58—24)



1. A synchronous motor job time recorder system comprising master apparatus and a plurality of secondary apparatuses, each secondary apparatus comprising a synchronous motor and means controlled by the individual secondary apparatus time for stopping it at the end of its cycle, said master apparatus comprising means controlled by master apparatus time for stopping the secondary apparatus and for starting the secondary apparatuses after they have been stopped by the master apparatus, and means controlled by master apparatus time for starting the secondary apparatuses after they have been stopped by the secondary apparatuses themselves at the end of their cycles.

1,979,319

SYNCHRONOUS MOTOR JOB TIME RECORDER

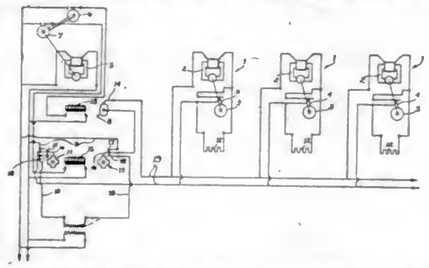
Adolph L. Denniston, Park Ridge, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware

Application September 24, 1932, Serial No. 634,667

5 Claims. (Cl. 58—24)

1. A synchronous motor job time recorder system comprising master apparatus and a plurality of secondary apparatuses, each secondary apparatus comprising a synchronous motor and means controlled by the individual secondary apparatus time for stopping it at the end of its cycle, said master apparatus comprising means controlled by master apparatus time for stopping the secondary apparatus, and for starting the secondary apparatuses after they have been stopped by the master apparatus, and means controlled by master apparatus time for starting the secondary apparatuses after they have been

stopped by the secondary apparatuses themselves at the end of their cycles, said system having but a single circuit between the master and secondary apparatus.

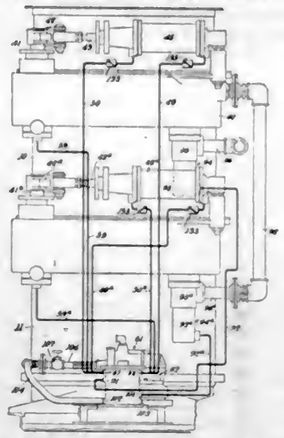


1,979,320

DOUBLE-CHAMBER BACK-FILLING APPARATUS WITH AUTOMATIC CONTROL

Georg Domina, Berlin, Germany, assignor to Cement-Gun Company, Inc., a corporation of New York

Application August 25, 1932, Serial No. 630,419
7 Claims. (Cl. 302—55)



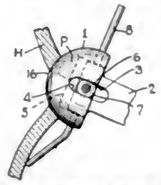
1. In backfilling apparatus and the like for transporting loose material by a current of compressed air, a chamber having an opening at its top to admit material to the chamber, a door to close said opening from below, means including a cylinder and an air-actuated piston to move said door to and from closing position, air-actuated means to lift said door vertically from closing position to a position to seal said opening, means for venting said chamber, compressed air means for controlling the chamber venting means, means for supplying air under pressure to said chamber, means for discharging material from said chamber, means acting in sequence to open said venting means, admit compressed air into one end of the cylinder to move the door away from closing position, admit air to the other end of the cylinder to return the door to closing position, admit air to the means for lifting the door to sealing position, close said venting means through the compressed air controlling means therefor, supply air under pressure to said chamber, and discharge material from the chamber, and exhaust-retarding means to retard the movement of said door by said piston, said means acting in sequence including a valve having a rotating member whereby all of such sequential operations are produced.

1,979,321

ARTIFICIAL EYES FOR DOLLS, TOYS, AND THE LIKE

Julius Dunner, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y., a corporation of New York

Application January 6, 1932, Serial No. 584,982
10 Claims. (Cl. 46—40)



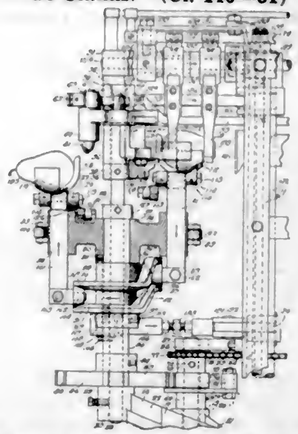
1. An artificial eye comprising a light-permeable member having a body and a projection which extends forwardly from said body, the front of said projection having the representation of the pupil, the rear surface of said member having an annular representation of the iris around the rear of said projection.

1,979,322

PEAR TREATING APPARATUS

Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon

Application July 18, 1932, Serial No. 623,167
14 Claims. (Cl. 146—81)



3. In a fruit treating apparatus, a turret disposed for rotation, fruit holding cups positioned about said turret for movement therewith and for movement relatively thereto, means for effecting intermittent rotation to said turret to successively present said cups at a station, a blade at said station and adapted to be drawn longitudinally of its edge and transversely of the path of displacement of said cups, means for displacing said cups while at said station to force a section of the fruit therein against the edge of said knife, and means for moving said knife simultaneously with the actuation of the means for displacing said cups.

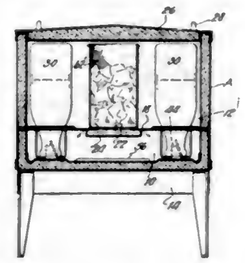
1,979,323

LIQUID DISPENSING AND COOLING DEVICE

George Felesina, Carlstadt, N. J., and William Bellmer, Brooklyn, N. Y., assignors of one-fourth to Emil Jurgs and one-fourth to Christian Meier, both of New York, N. Y.

Application November 16, 1932, Serial No. 642,886
3 Claims. (Cl. 225—21)

1. A device for cooling and dispensing liquids comprising a housing, a horizontal partition dividing said housing and having a plurality of openings therein, plates carried by said partition, container supporting means carried by said



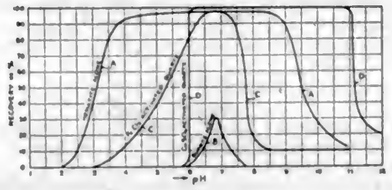
plates and depending through the openings of said partition, and means for preventing interchangeability of said plates.

1,979,324

METHOD OF FLOATING HEMATITE

Antoine M. Gaudin, Salt Lake City, Utah

Application June 29, 1929, Serial No. 374,843
2 Claims. (Cl. 209—166)



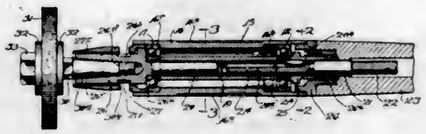
1. A process of recovering hematite from a pulp containing the same, and quartz and feldspar activated by copper sulphate, which consists in subjecting the same to a froth flotation operation, the pH value of the pulp being between 3.0 and 6.0.

1,979,325

GRINDING AND POLISHING APPARATUS

Herman Goldberg, Chicago, Ill.

Application October 1, 1931, Serial No. 566,201
2 Claims. (Cl. 51—170)



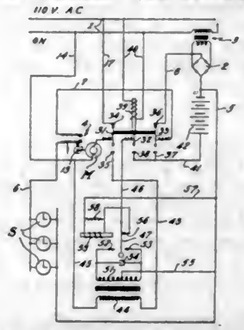
1. The combination in apparatus of the class described, of a rotary flexible driving shaft, a tube mounted at the end of said shaft for engagement by the hand of the operator, a spindle shaft in said tube operated by said driving shaft, a rotary head actuated by said spindle shaft and having a tapered socket provided with a threaded bore at the inner end thereof, a tool carrying spindle having a tapered part to fit said socket and a threaded projection to engage said bore, and a sleeve carried by said tube and surrounding said head, said head having flat surfaces on opposite sides thereof for engagement by a wrench and said sleeve being provided with slots to permit access to said flat surfaces.

1,979,326

SYNCHRONOUS MOTOR CLOCK SYSTEM

George F. Harter, Springfield, Mass., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation of Connecticut

Application July 21, 1932, Serial No. 623,724
10 Claims. (Cl. 58—24)



1. An electric clock system comprising secondary clocks, main and auxiliary sources of current for normal and emergency operation of the secondary clocks, means for regularly driving the clocks from either source, means for periodically synchronizing the clocks from either source, and means responsive to the main source of current for automatically rendering both of said means responsive to the auxiliary source when the main source fails.

10. An electric clock system comprising secondary clocks of the impulse type, means including a switch for transmitting impulses to the clocks, a synchronous motor for driving said switch, a battery, a source of alternating current for normally driving said motor, a rectifier connected to said source, a constant-frequency self-acting device, a transformer having its primary connected to said battery through said constant-frequency self-acting device for producing alternating current, two-way switching means which in one position connects said motor to said source and connects said switch in series with said rectifier and in the other position connects said motor to the secondary of said transformer and connects said switch to said battery, and means for automatically shifting said switching means from the first position to the second position when said source fails and back again when the source is restored.

1,979,327

WATER-SOLUBLE AZO DYE INTERMEDIATE

Fletcher Beach Holmes and Miles Augustinus Dahlen, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 14, 1933, Serial No. 666,174
18 Claims. (Cl. 260—69)

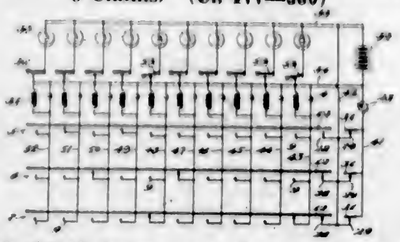
6. A process for making water-soluble diazoimino compounds suitable for use in the production of ice colors which comprises reacting a diazotized amine of the benzene or naphthalene series, which may have substituted thereon members selected from the group consisting of alkyl, alkoxy, nitro, halogen, trifluoromethyl and acylamino; with a secondary amine having the following general formula:



in which R_1 and R_2 represent aliphatic residues, and wherein this secondary amine contains at

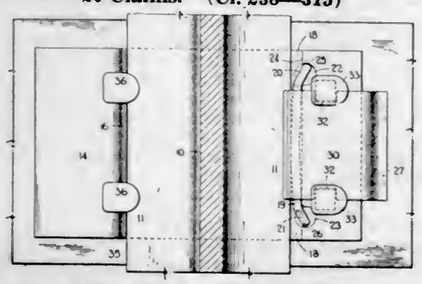
least one hydroxyl group and at least one member selected from the group consisting of carboxylic and sulfonic acid radicals.

1,979,328
SIGNALING SYSTEM
Stanley M. Kenerson, Springfield, Mass., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation of Connecticut
Application May 7, 1929, Serial No. 361,081
8 Claims. (Cl. 177—380)



1. A signal system comprising a plurality of circuits, selector switches for closing the circuits, the switches having manually movable parts which may be individually advanced in any group combination and motor driven parts which engage said advanced parts, a motor for actuating the latter parts, a switch for starting said motor, and a circuit including a switch controlled by the motor for connecting a source of current to said selector switches when the motor switch is operated, the latter switch having a part which is manually advanced by the operation of the motor switch and another part which is advanced by the operation of the motor to engage the first part.

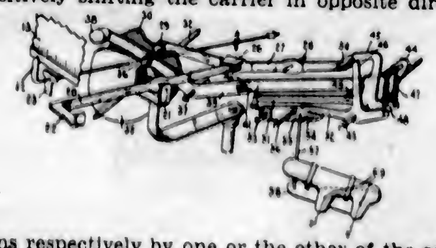
1,979,329
RAILROAD RAIL SUPPORTING STRUCTURE
William N. Keurvorst, Verdun, Quebec, Canada
Application February 4, 1933, Serial No. 655,174
20 Claims. (Cl. 238—315)



1. In a railroad rail supporting structure, the combination with a rail, of a tie plate adapted to support the said rail; a leaf spring anchored against longitudinal movement on the said tie plate and frictionally engaging one upright edge of the base flange of the said rail; and a spring holder anchored to the said tie plate and overlying the said spring to hold it in rail base flange engaging position.

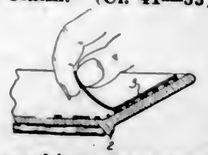
1,979,330
CONTROL APPARATUS
Gregor W. Kuntny, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application June 29, 1933, Serial No. 678,304
7 Claims. (Cl. 200—56)

1. Switch setting mechanism for electrical controller apparatus including a selector element: comprising a single oscillatable carrier, complete electrical switching means supported thereon to be actuated by oscillation of said carrier, a motor, and mechanical means, including a pair of yieldable couplings intermediate the motor and the carrier and regulated by said selector element, for positively shifting the carrier in opposite direc-



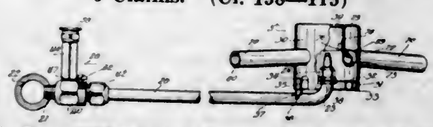
tions respectively by one or the other of the said couplings under power from said motor transmitted through both of the said couplings with yielding of the inactive coupling locked by the selector element.

1,979,331
METHOD OF MARKING MATERIALS
Winthrop Stanley Lawrence, Rego Park, Vladimir Tuma, Astoria, and Ira F. B. Hutton, Woodhaven, N. Y., assignors to Kaumagraph Company, New York, N. Y., a corporation of New York
Application April 15, 1931, Serial No. 530,445
1 Claim. (Cl. 41—33)



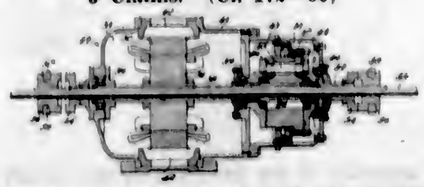
A method of marking a hard impenetrable material which consists in heating the surface to be marked, applying to said heated surface a transfer of the heat type and comprising a paper base having a marking composed of material which is softened by the action of heat, removing the paper base while leaving said marking on said surface, reheating the surface to be marked and the marking applied thereto, said marking defining a predetermined area or areas, and then marking said enclosed area or areas by means of a marking composition which has substantially no action upon said resist marking.

1,979,332
LIGHTING DEVICE
Oscar J. Leins, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 5, 1930, Serial No. 449,854
6 Claims. (Cl. 158—115)



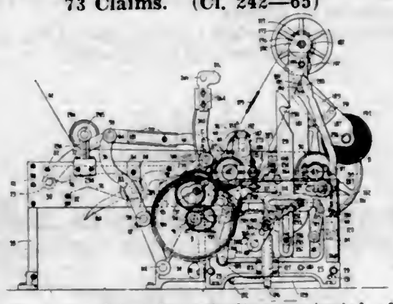
1. In combination, a burner having a fuel supply connection, a lighter for said burner, a hood for said lighter, means for projecting a lighting flame from the lighter independently of the fuel supply connection for the burner, a conduit extending from the lighter and supported by said hood for obstructing the rising tendency of the lighting flame, and means within said hood for non-rotatively locking the inner end of said conduit against withdrawal from said hood.

1,979,333
POWER TRANSMITTING APPARATUS
Ernest R. Llewellyn, Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn., a corporation of Connecticut
Original application October 7, 1930, Serial No. 486,948. Divided and this application April 22, 1932, Serial No. 606,969
3 Claims. (Cl. 172—36)



1. The combination with a prime mover comprising a rotor, and a hollow drive shaft extending therethrough and operatively connected thereto, of speed-change mechanism disposed about the drive shaft relatively close to the rotor, a housing having separate chambers substantially enclosing the rotor and the speed-change mechanism, a driven shaft extending through the hollow drive shaft, a clutch disposed outside the housing adjacent one end of the hollow drive shaft for connecting the latter to the driven shaft, another clutch disposed adjacent the speed-change mechanism for connecting this mechanism to the driven shaft, and means interconnecting the two clutches for concomitantly engaging one of the clutches and disengaging the other.

1,979,334
MACHINE FOR WINDING MATERIAL OF RIBBON LIKE FORM INTO ROLLS
John J. Lyth, Valleyfield, Quebec, Canada
Application February 20, 1931, Serial No. 517,239
73 Claims. (Cl. 242—65)



43. In a machine for winding material of ribbon like form into rolls, in combination, means to wind material on a roll shell; means to transfer a roll of material thus wound to an adjacent position; drive means to actuate said transfer means; and automatic timing means coacting with and responsive to movement of the roll shell disposed within the roll of material in process of winding prior to its transfer, for interconnecting said transfer means with said transfer means actuating means.

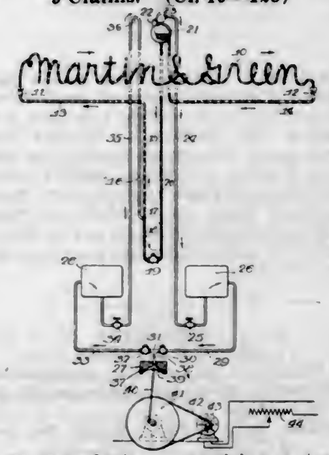
1,979,335
PISTON
Ernst Mahle, Stuttgart, Germany
Application May 4, 1932, Serial No. 609,151
In Germany May 12, 1931
6 Claims. (Cl. 309—14)

1. A composite piston having a body portion fabricated of a light metal alloy cast around a ring-carrier fabricated of an iron alloy retaining its hardness at high operating temperatures, the



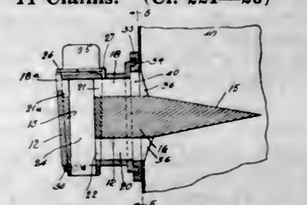
heat expansion coefficients of said light metal alloy and of said iron alloy being substantially equal.

1,979,336
DISPLAY DEVICE
William McKinley Martin and Jesse R. Green, Bozeman, Mont.
Application April 6, 1933, Serial No. 664,717
9 Claims. (Cl. 40—125)



3. A display device comprising a transparent display tube, a supply of liquid for said tube, conduit means providing a complete liquid circuit including said tube, a supply of a second fluid immiscible with said liquid, conduit means providing a complete fluid circuit including said tube, a separator for said immiscible fluids located in both of said complete circuits as one junction for the common portions of said circuits, means in the fluid circuit to put pressure upon the second fluid, and means to control the release of the compressed second fluid into the liquid circuit at the other junction of the common portions of the circuit.

1,979,337
DETACHABLE SPOUT
Conrad H. Matthiessen, Jr., Pasadena, Calif.
Application July 30, 1932, Serial No. 626,505
11 Claims. (Cl. 221—23)



1. In a detachable spout for a liquid container, a body portion, a solid piercing head of horizontally elongate cross section rigidly attached to said body, the head being adapted to make an

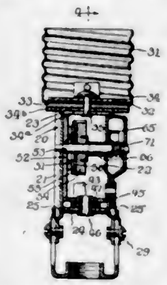
elongate incision in the container wall, and vertically spaced fluid passages in the body terminating exteriorly of the container and adapted to be moved into registry with the extremities of the incision.

1,979,338
WATCHCASE
Samuel J. Mittelman and Abraham Kraus, New York, N. Y.
Application August 3, 1933, Serial No. 683,437
2 Claims. (Cl. 58—88)



1. A case for a stem winding watch movement composed of a circular plate of rigid translucent material and having a central aperture, a metallic casing set in the aperture to engage the watch movement, said movement having a stem and said plate having a central radial passage to receive the stem, a knob on said stem, means surrounding said plate to rotatably support said knob and transparent crystals set in the sides of said plate to cover the openings and watch movement therein.

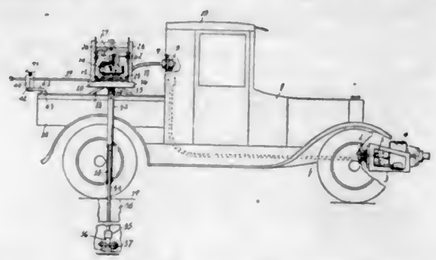
1,979,339
CANDLE SOCKET
Karl K. Nielsen, Chicago, Ill., assignor to Alcor Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1931, Serial No. 549,346
15 Claims. (Cl. 173—354)



1. A pull-chain socket comprising, in combination, a lamp-receiving shell, a pair of spaced legs supporting said shell, a switch member rotatably mounted between said legs, and an oscillatory actuating member comprising an elongated tubular portion having a ratchet connection with said switch member and projecting through one of said legs, and a chain supporting segment rigid with the projecting end of said tubular portion.

1,979,340
VALVE OPERATING MECHANISM
Earl E. Norman, Kalamazoo, Mich.
Application September 16, 1932, Serial No. 633,539
5 Claims. (Cl. 81—54)

1. A portable power wrench for valves, comprising a power truck, a direct current generator driven by the power unit thereof, a series motor mounted on said truck and connected to said generator, a wrench driven by said motor, and

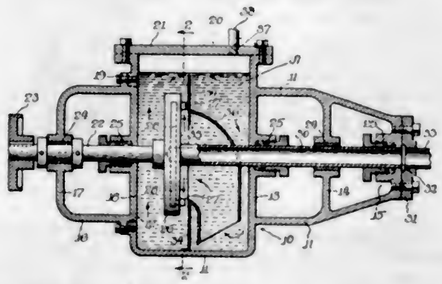


an ammeter in the generator-motor circuit for indicating the torque on the tool.

1,979,341
PROCESS FOR PREPARING CELLULOSE
Fredrich Olsen, Alton, Ill., assignor, by mesne assignments, to The Cellulose Research Corporation, a corporation of Delaware
No Drawing. Application April 11, 1929, Serial No. 354,443. Renewed April 3, 1934
5 Claims. (Cl. 92—1)

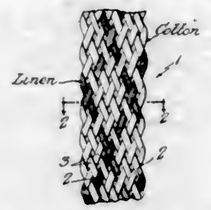
1. The process of treating wood to form chemical pulp which consists in forming the wood into chip form, disrupting the chips into pulp, then washing the tannins and sugars from said previously formed pulp, then digesting said pulp to remove encrusting lignins, acidulating said pulp, and thereafter bleaching the same.

1,979,342
PUMPING DEVICE
Howard W. Parker, Park Ridge, Ill., assignor to The E. H. Wachs Company, Chicago, Ill., a corporation of Illinois
Application November 15, 1930, Serial No. 495,876
4 Claims. (Cl. 230—108)



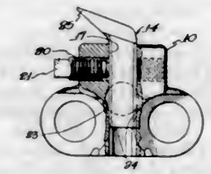
1. In a pumping device, the combination of a housing having an inlet and arranged to hold a quantity of fluid of greater density than the fluid to be pumped, a cavitation producing device journalled in said housing for submerged rotation in said fluid to produce regions of low pressure in said fluid adjacent to the surface of said device, means including ports opening into said regions for connecting said regions with said inlet, and means for driving said device at a speed which creates a flow of fluid of comparatively less density through said ports and at the same time produces by the friction between the heavier fluid and the rotating device a flow of the heavier fluid radially along the surface of the device to remove said lighter fluid from the cavitation producing means.

1,979,343
SEWING THREAD
Oscar W. Peterson, Wollaston, Mass., assignor to Providence Braid Company, Pawtucket, R. I., a corporation of Rhode Island
Application June 8, 1933, Serial No. 674,880
6 Claims. (Cl. 96—26)



1. A braided thread ready for use in sewing shoe parts, said thread comprising strands of linen and strands of cotton, the interstices of the braided thread being filled with wax.

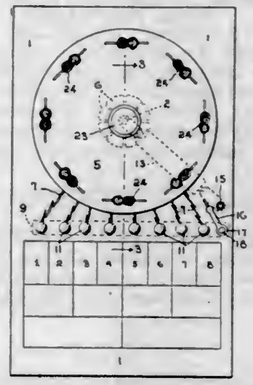
1,979,344
CUTTER CHAIN AND BIT THEREFOR
Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 14, 1932, Serial No. 598,615
5 Claims. (Cl. 262—33)



3. In a cutter chain for mining machines, a plurality of cutter chain blocks, one of said blocks being a center block and each of said other blocks being inclined upwardly and downwardly from said center block, each of said blocks having a socket therein inclined in a plane parallel to the angle of inclination of said block, said socket being adapted to detachably support a cutter chain bit therein, and each of said blocks having a passageway therein extending perpendicular to the plane of said socket and intersecting said socket and providing a means of accesibility to said bit whereby said bit may readily be removed from said socket.

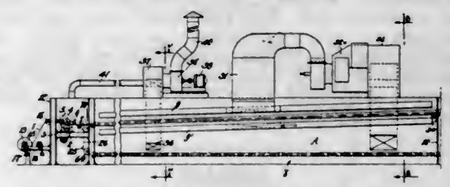
1,979,345
GAME
Jack Pressman, New York, N. Y.
Application September 16, 1932, Serial No. 633,394
1 Claim. (Cl. 273—142)

A device of the character described including a game board, a spindle mounted in said board, a rotatable disk mounted on said spindle, objects imitating bicycle riders permanently disposed on said disk, a contact finger mounted on the under side of said disk, a plurality of contact plates mounted on said board and radially disposed thereon with relation to said spindle and with which said finger contacts to form electrical connection therebetween, a supporting bus-bar mounted on said board, a plurality of lamp sockets mounted on said bus-bar, a series of divers colored lamp bulbs disposed in said sockets, a plurality of paper metal coated conduits embedded in the playing surface of said board so as to produce an uninterrupted playing surface therefor and fashioned in zigzag formation to imitate streaks of lightning, said conduits forming the electrical contact means between said contact plates and said divers colored lights, a storage battery in contact with said spindle and arranged as a current supply source, a cut-out switch disposed on said



board controlling the supply of current from said battery to said contacts and colored lights, and a sectional chart imprinted on said board having designated thereon identification means corresponding with the identification means on the imitative objects on said rotary disk.

1,979,346
METHOD AND APPARATUS FOR COATING AND DRYING MATERIALS
Herman George Rappolt, New York, N. Y., and Lynn Brown Case, Highland Park, N. J.
Application February 17, 1932, Serial No. 593,464
2 Claims. (Cl. 34—48)

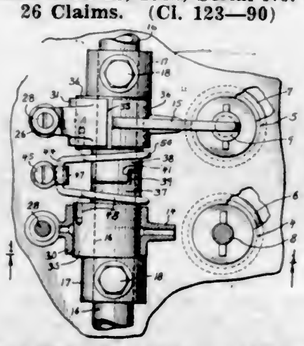


1. The process of drying a coated web comprising moving the web through a drier at a relatively high speed, subjecting the material while traveling at a relatively high speed to a drying medium in one chamber of a dryer, controlling the temperature, independently controlling the amount of humidity in the chamber, exhausting the gases given off from the material to the atmosphere adjacent the entrance of the material into the chamber, withdrawing the gases mixed with the drying medium from the balance of the chamber, adding fresh drying medium and recirculating the mixture in the chamber, then subjecting the material to a drying medium in a second chamber, controlling the temperature, independently controlling the amount of humidity in the second chamber, recirculating the gases mixed with the drying medium in the chamber, directing the drying medium to impinge on both sides of the material in each chamber whereby high velocities and greater quantities of drying medium may be used by balancing the pressure of the heating medium on the top of the material and the weight of the material by a pressure of the heating medium upon the bottom of the material equal thereto.

1,979,347
PROCESS FOR BREAKING PETROLEUM EMULSION
Claudius H. M. Roberts, Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application April 13, 1933, Serial No. 665,960
9 Claims. (Cl. 196—4)

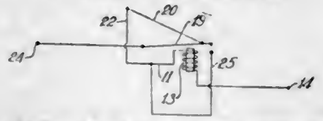
9. A process for breaking a petroleum emulsion of the water-in-oil type which consists in subjecting the emulsion to the action of a demulsifying agent obtained by chlorination of the crude aldehyde-containing oxidation product, derived by partial oxidation of petroleum distillate.

1,979,348
VALVE OPERATING MECHANISM
Robert C. Russell, Dallas, Tex.
Application June 18, 1932, Serial No. 618,004
26 Claims. (Cl. 123—90)



26. As an article of manufacture for use in connection with valve operating mechanism, a rocker arm having a bearing receiving hub intermediate its ends, an eccentric snugly fitting in the bearing receiving hub, and said hub being split thru its upper portion to render said hub elastic for contraction to grip the eccentric when an operating force is applied to the arms under the split and for expansion to release the eccentric when the operating force is released.

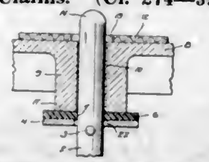
1,979,349
FLASHER
Joseph Schmidinger, Long Island City, N. Y.
Application April 19, 1932, Serial No. 606,122
19 Claims. (Cl. 175—373)



1. In a device of the character described, a plurality of circuits, one circuit comprising a thermo-responsive resistance wire, an electromagnet, and a resilient member, and another circuit comprising a pair of make-and-break contacts, said electromagnet and said resilient member, and means operable upon the passage of current through the device for periodically utilizing each of the aforesaid circuits without completely breaking the flow of current through the device.

19. In a device of the character described, in combination, a plurality of circuits, one circuit comprising a thermo-responsive resistance wire, a second circuit comprising a pair of contacts, each circuit comprising a resilient conducting member, said resistance wire being adapted for maintaining said contacts in spaced relation, said resilient member being adapted for causing said contacts to engage, said circuits being so constructed that when current is passed through said device and said second circuit closed, the said resistance wire will be shunted.

1,979,350
SUPPORT FOR PHONOGRAPH TURNTABLES
William A. Schmittgen, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application February 4, 1931, Serial No. 513,361
4 Claims. (Cl. 274—39)

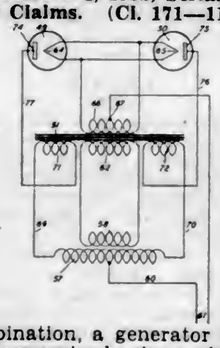


1. In combination with the vertically disposed driving shaft of a phonograph turntable motor and a turntable having a downwardly projecting hub, a support on the shaft for the turntable comprising a transverse pin extending through the shaft, a metal washer resting on the pin and provided with pin-engageable driving lugs, a cushioning washer on the pin-driven washer upon which the hub of the phonograph turntable is adapted to rest in driving friction engagement therewith.

1,979,351
3,6 DIAMINO 2-ALKYL PYRIDINE AND PROCESS FOR PRODUCING THE SAME
Herman J. Schneiderwirth, New York, N. Y.
No Drawing. Application April 25, 1932, Serial No. 607,508
8 Claims. (Cl. 260—42)

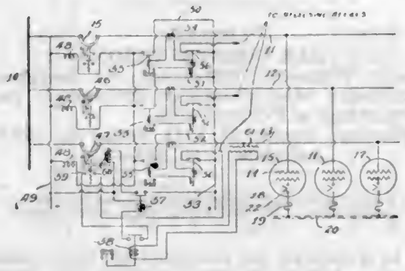
1. In a process for the production of 3,6 diamino 2-alkyl pyridine, the steps which consist in heating a mixture of 2 alkyl pyridine with sodamide and an inert liquid dispersing agent to not less than 200° C., adding water and isolating the thus produced 3,6 diamino 2-alkyl pyridine.

1,979,352
CATHODE CONTROL
Philip F. Scofield, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application October 4, 1932, Serial No. 636,119½
8 Claims. (Cl. 171—119)



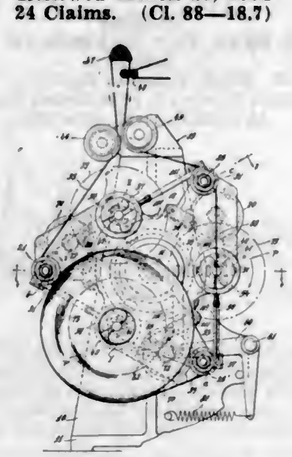
1. In combination, a generator of alternating current, said generator having a plurality of coils, a rectifier energized by a portion of said coils, a hot cathode for said rectifier energized by the remainder of said coils, a work circuit connected to said rectifier, and means for causing the current in said work circuit to react upon said hot cathode.

1,979,353
GROUP FEED DISTRIBUTION SYSTEM
Joseph J. Shoemaker, Clawson, and Richard E. Schwarz, Royal Oak, Mich.
Application May 23, 1931, Serial No. 539,618
21 Claims. (Cl. 175—294)



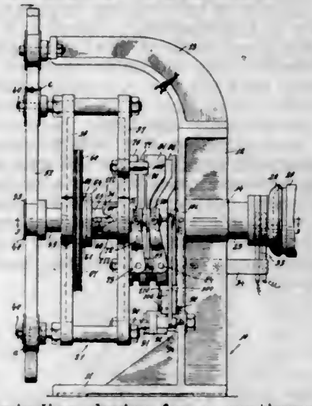
1. A distribution system comprising a plurality of feeder circuits, switches for the individual opening and closing of said circuits, means for tripping said switches to open all of said circuits upon the occurrence of a fault in one of said circuits, and means responsible solely to the opening of said circuits for reclosing substantially simultaneously the switches of the circuits which are free from faults after a predetermined interval of time.

1,979,354
WINDING DEVICE
Irving L. Tenney, New York, N. Y.
Application July 28, 1931, Serial No. 553,558
Renewed March 23, 1934
24 Claims. (Cl. 88—18.7)



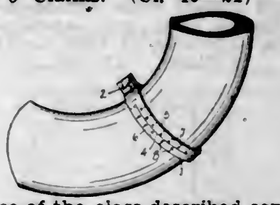
1. In a winding device for a continuous film, two spaced winding reels adapted for winding the film doubled on itself, means for attaching the film to the reels for winding and for releasing the film therefrom after unwinding, guiding means separating the two parts of the doubled film as it is unwound from a reel, operating means for winding the film on each reel and for hindering the unwinding of the film therefrom and controlling means for causing the reels to exchange positions with respect to one another and causing winding operation of a reel in one of said positions and the unwinding of a reel in the other of said positions, said operating means comprising a motor for each reel movable with the reels when interchanging positions.

1,979,355
WINDING MECHANISM
Irving L. Tenney, New York, N. Y.
Application February 1, 1932, Serial No. 590,183
31 Claims. (Cl. 88—18.7)



1. In a winding device for a continuous film, a rotary frame, two opposed winding reels mounted on said frame and adapted for winding the film doubled on itself, means for attaching the film to the reels for winding and for releasing the film from the reels after unwinding, guiding means separating the two parts of the doubled film as it is unwound from a reel, a motor for operating the reels, controlling means comprising two clutches between the motor and the respective reels, each clutch comprising two cooperating clutching members mounted on and movable with said frame for causing alternate winding and unwinding of the reels in succession and means for rotating the frame between successive winding operations.

1,979,356
SEAL
Leroy J. Thompson, Grand Rapids, Mich.
Application July 17, 1933, Serial No. 680,778
6 Claims. (Cl. 40—21)

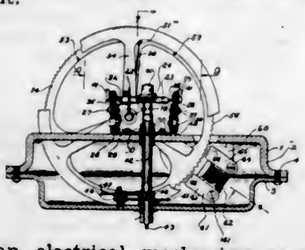


1. A device of the class described comprising a band adapted to encircle the body of a tire so that the tire cannot be used without removal of the band, said band having ends adapted to be sealed together by crimping and having a longitudinal cut dividing said band into two portions, and a series of indicia arranged in spaced relation on each of said portions, whereby the date at which the band is removed from the tire may be recorded by severing each of said portions at a predetermined one of the indicia thereon.

1,979,357
ELECTRIC MOTOR MECHANISM
Fritz van der Woude, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application August 12, 1931, Serial No. 556,525
8 Claims. (Cl. 172—275)

1. An electric synchronous motor comprising a rotary element provided with an annular series

of teeth of magnetic material, an electro-magnet adapted to be energized with alternating current and having a pole portion provided with a tooth disposed adjacent the rotational path of the teeth of the rotary element to cause the teeth of the rotary element to successively approach and pass the tooth of the magnet, a rotary auxiliary relatively oscillatory element, the two rotary elements being substantially coaxially disposed, a driving connection between the two rotary elements, the connection comprising a generally radially disposed transversely bendable resilient element rigidly connected to the rotary element at a point relatively remote from the axis and loosely disposed between spaced abutments on the auxiliary element positioned relatively near the axis thereof, the inner end of the resilient element being movable radially outwardly between the abutments and means limiting said outward movement.



5. In an electrical mechanism, a casing, a toothed rotor element mounted on the casing, an electro-magnet supported by the casing at one side of the rotor element, guide means extending generally tangentially of the rotor element, a resilient element in the guide means engageable with the rotor element in any rotated position thereof and between adjacent teeth and disengageable therefrom by movement along the guide means when the rotor element is rotated.

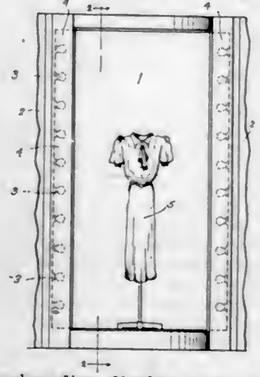
1,979,358

ILLUMINATED PANEL

Kenneth C. Welch, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan

Application September 21, 1933, Serial No. 690,378

1 Claim. (Cl. 240—4)



In a merchandise display case, an elongated vertically disposed arcuate display panel having a light reflecting surface on its concave side, a plurality of vertically spaced detachably secured incandescent light bulbs disposed adjacent the opposite marginal vertical sides of the panel whereby the intensity of illumination disposed forwardly of said panel at any height may be selectively controlled, and a pair of opposite vertically disposed elongated arcuate hoods each semi-circumscribing the series of bulbs adjacent each vertical side of said panel for concealing said bulbs from the view of a person standing forwardly of the display case.

1,979,359

CAR CONSTRUCTION

Oscar R. Wikander, Pittsburgh, Pa., assignor to Edgewater Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 22, 1931, Serial No. 558,781

2 Claims. (Cl. 213—8)



2. In a railway car construction, the combination of a longitudinally extending sill member having two pairs of spaced abutments, a rigid continuous drawbar extending longitudinally throughout the length of the car, said drawbar being formed with a cage or housing intermediate its ends provided with a removable wall and with an opening adjacent each end thereof disposed in substantial alignment with the abutments on said sill member, a plurality of unitary self contained spring means removably disposed in said cage, followers slidably mounted in said cage for engagement with the ends of said spring means, and a transverse member carried by each of said followers and each extending through one of the openings in said cage and between the corresponding pair of abutments on said sill member.

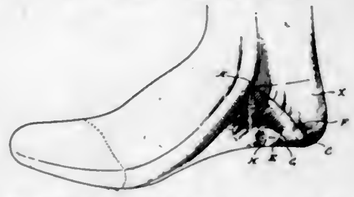
1,979,360

HOSIERY HEEL AND METHOD OF MAKING SAME

John M. Allen, Toronto, Ontario, Canada

Application October 1, 1931, Serial No. 566,249

15 Claims. (Cl. 66—187)



1. A stocking knitted with a pair of fashioning gussets extending diagonally across the heel one at each side thereof and having bordering suture lines converging abruptly at the ends to meet in angular relation in the median plane of the heel.

1,979,361

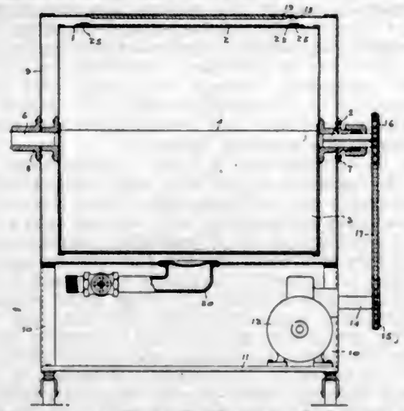
WASHING MACHINE

David W. Allman, Toronto, Ontario, Canada

Application June 20, 1930, Serial No. 462,646

1 Claim. (Cl. 68—18)

A washing machine of the type in which a cylinder is mounted for continuous rotation about a horizontal axis characterized in that said cylinder is provided on the interior with a single radially disposed imperforate partition sealed to the end walls and arcuate walls of the tub and having its free edge terminating substantially axially of the tub for continuous sealing co-operation with a body of cleansing fluid of greater depth than the radial length of said partition, whereby said partition is adapted to cooperate with the body of cleansing fluid in the tub raise the fabrics and compress the air above the fluid



and force same through the raised fabrics and fluid during each revolution of the tub.

1,979,362

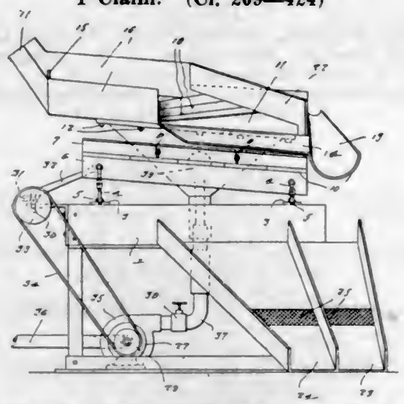
COAL CLEANING MACHINE

James B. Bailey, Dryden, Va., assignor of one-half to James B. Cox, Dryden, Va.

Application February 26, 1931, Serial No. 518,583

Renewed April 26, 1934

1 Claim. (Cl. 209—424)



A cleaning device of the class described comprising a table sloping downwardly from its inlet end to its discharge end and also sloping downwardly from one side to the other side, a chute for delivering material to be cleaned at the high corner of the table at the inlet end thereof, a trough at the discharge end of the table, an upstanding flange at the high side of the table and extending from the high side of the trough to the discharge end of the table, said flange having its rear part of less height than its front part to form a shoulder at the junction of the low part with the high part, said shoulder being located an appreciable distance from the discharge end of the table, a diagonally arranged upstanding plate having its upper end connected to the shoulder and said plate extending to the low corner of the discharge end of the table, with its lower edge spaced from the table, an upstanding flange at the low side of the table terminating an appreciable distance from the discharge end thereof, a downwardly sloping lip or chute connected to the low side of the table and extending from the rear end of the last-mentioned flange to the discharge end of the table and diagonally arranged spaced baffles on the table extending from a point adjacent the inlet end to a point adjacent the discharge end, and sloping upwardly towards the high side of the table, said table having perforations therein and means for forcing fluid through said perforations, each baffle gradually increasing in height towards the discharge end of the table, and passing under the plate.

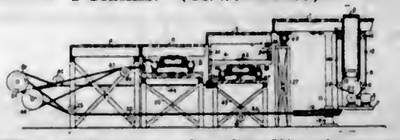
1,979,363

REVOLVING STAGE

Busby Berkeley, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application December 27, 1932, Serial No. 648,965

4 Claims. (Cl. 20—1.123)



3. The combination of a plurality of concentric stages, a reciprocating elevator platform inside of one of said stages, means comprising a single motor for rotating said stages, and means for reciprocating said elevator platform.

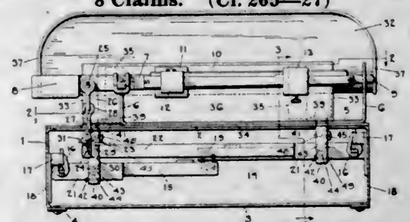
1,979,364

INFANT SCALE

Alfred Bousfield, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application December 30, 1932, Serial No. 649,610

8 Claims. (Cl. 265—27)



5. In a weighing scale, a housing, opposed levers within the housing, a pan mounted above and lengthwise of the said housing, a depending apron-support attached to the bottom of the pan, a cross-plate mounted at each end of the apron, spaced legs channel-shaped in section and attached to the ends of each cross-plate, each leg carrying a bearing at its lower end pivotally mounted on one of the said levers, and means for retaining the bearing and pivot in position.

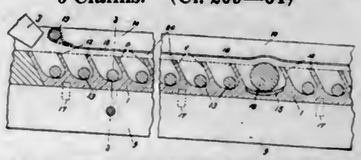
1,979,365

AMALGAMATING APPARATUS AND PROCESS

Charles Butters, Berkeley, Calif.

Application September 23, 1932, Serial No. 634,473

6 Claims. (Cl. 209—64)



1. Gold recovery apparatus comprising a concentrating table provided with successive series of longitudinally extending elongated open-top

pockets therein, said pockets provided with end and side walls and a bottom all made mercury-tight, a loose amalgamated metal rod lying within and on the bottom of each pocket of a size and length adapted to jiggle around within the pockets when the same are shaken and move longitudinally therein, means for shaking the table in a manner to shake the pockets longitudinally, and means for causing a flow of fine gold carrying material from one side across the pockets and subjecting the material to friction between said loose rods and the inside of the pockets.

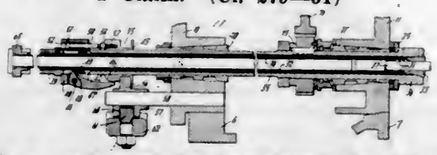
1,979,366

WORK HOLDING AND FEEDING MECHANISM

Frank L. Cone, Windsor, Vt.

Original application June 29, 1931, Serial No. 547,544. Divided and this application November 8, 1932, Serial No. 641,731

1 Claim. (Cl. 279—51)



In a machine of the class described, a tube, a collet hood carried by one end of said tube, a tube slidable within said collet hood tube and having a spring collet cooperating with said hood, a block element fixed to the opposite end of said collet tube, a lever fulcrumed on said block and having an arm in cooperative engagement with the rear end of said collet hood tube and another arm extending axially of said tubes, a sleeve element slidable axially of said hood tube and having a cam portion engageable with the inner face of said axially extending arm to rock said engaged arm outwardly and said other arm against said collet hood tube to thereby retract said collet and grip the work on movement of said collar in one direction, rods extending between said collar and block elements and secured at one end to one of said elements and slidable relative to the other of said elements, stops on said rods for positively limiting a lost motion connection between said collar and block to cause motion of said collar in a direction opposite to its collet gripping motion after said lost motion is taken up to free said collet from said hood to release the work, and means for moving said collar.

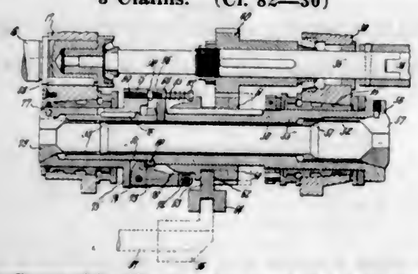
1,979,367

WORK HOLDING MECHANISM

Frank L. Cone, Windsor, Vt.

Original application December 9, 1931, Serial No. 579,914. Divided and this application May 15, 1933, Serial No. 671,054

3 Claims. (Cl. 82—30)



1. In combination, a tube, a spring collet carried by each end of said tube, a pair of sleeves slidable axially on said tube, each of said sleeves having a hood cooperating with one of said collets, a lever pivoted on one of said sleeves and engaging the other sleeve for forcing said sleeves simultaneously in opposite directions when said lever is swung in one direction to close their respective collets onto work extending through said tube, and spring means for moving said sleeves in the reverse directions to release said collets when said lever is swung in the opposite direction.

3. In combination, a tube, a spring collet carried by each end of said tube, a pair of sleeves slidable axially on said tube, each of said sleeves having a hood cooperating with one of said collets, a lever pivoted on one of said sleeves and engaging the other sleeve for forcing said sleeves simultaneously in opposite directions when said lever is swung in one direction to close their respective collets onto work extending through said tube, spring means for moving said sleeves in the reverse directions to release said collets when said lever is swung in the opposite direction, a drive sleeve slidably keyed to said tube and having a cam portion engageable with said lever to swing said lever in collet closing direction, a rotary drive shaft, means acting on the moving of said drive sleeve into collet closed position to couple said drive sleeve to said shaft to be rotated thereby and thereby to rotate said tube and acting on the moving of said drive sleeve in the opposite direction to disconnect said drive sleeve from said shaft, and means actuable to move said drive sleeve.

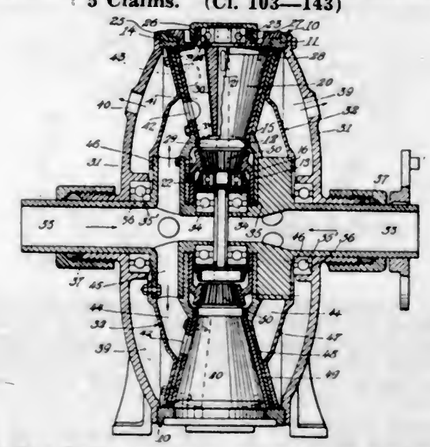
1,979,368

PUMP, MOTOR, COMPRESSOR, OR THE LIKE

Bruce Conklin, Huntington, N. Y., assignor to James R. Sloane, Princeton, N. J.

Application January 7, 1933, Serial No. 650,666

5 Claims. (Cl. 103—143)



1. In a fluid compressor or the like, in combination, a shaft, said shaft having formed therein a fluid inlet passage, a rotatable member mounted on said shaft, said rotatable member having formed therein a fluid outlet port and also a fluid inlet port in open communication with said fluid inlet passage, a casing defining with said rotatable member at one side of said member an annular working chamber and at the opposite side thereof an annular exhaust chamber whereby any loss or leakage occurring within said annular working chamber is directed into said annular exhaust chamber, and means operable within said working chamber adapted to force the fluid entering said working chamber into said exhaust chamber through said outlet port.

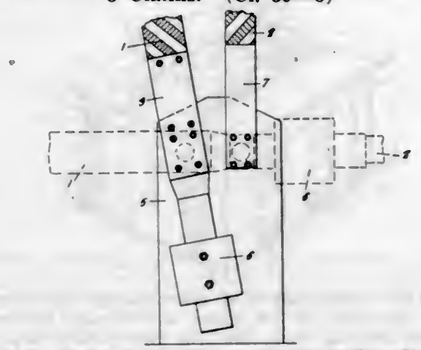
1,979,369

SAFETY GATE

William Whelan Cushing and Robert Kendrick Palmer, Hamilton, Ontario, Canada

Application September 2, 1933, Serial No. 687,970

8 Claims. (Cl. 39—8)



1. In a level crossing gate for railroads and the like incorporating a vertically swingable gate arm, the combination with a piston, piston rod and cylinder assembly constituting the arm swinging power means and a reciprocable element slidably coupled to the piston rod and geared to the swingable arm, of a swingably mounted cam member swung by the piston rod in its travel and adapted to engage and lock the reciprocable element at the ends of its stroke, and a pin projecting from the piston rod and slidably contained within a slot in the reciprocable element to constitute the slidable coupling between the piston rod and the reciprocable element and also adapted to engage the cam face of the cam member.

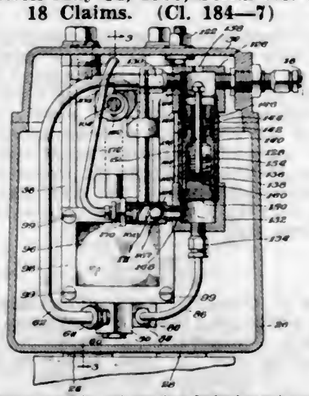
1,979,370

LUBRICATING APPARATUS

Ernest W. Davis, Oak Park, Ill., assignor to Alemite Corporation, Chicago, Ill., a corporation of Delaware

Application May 31, 1930, Serial No. 458,308

18 Claims. (Cl. 184—7)



1. A pump mechanism for lubricant comprising a reservoir, a supply line extending therefrom, a closure cap, a pump-supporting frame formed integral with said closure cap, two pumps mounted in said reservoir carried by said frame, conduits extending from said pumps, a control cylinder, a top and a bottom cap therefor, a conduit extending from one pump to the bottom cap and a conduit extending from the other pump to the top cap, said top cap having an overflow outlet therein, a reciprocable piston in the control cylinder, and a valve member operated periodically thereby for closing said overflow outlet to allow lubricant under pressure to be pumped to the supply line.

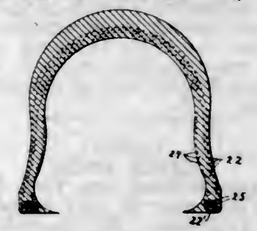
1,979,371

PNEUMATIC TIRE CONSTRUCTION

Alexander S. Diack, Detroit, Mich.

Application April 29, 1932, Serial No. 608,243

4 Claims. (Cl. 152—13)



1. In a pneumatic tire having a bead portion, side walls flexible both inwardly and outwardly, and a tread portion, a reenforcing cord structure extending outwardly substantially tangentially from the bead and into the tread portion through the side walls, the side wall portions being so inbent and reenforced as to be maintained substantially flat by normal pressure within the tire, whereby the cords lie along substantially straight tangential lines and tie the tread against outward movement when the tire is inflated.

1,979,372

METHOD OF MAKING HARD BODIES

Emil Dühme, Berlin-Siemensstadt, and Emil Cremer, Berlin-Charlottenburg, Germany, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Crefeld, a corporation of Germany

No Drawing. Application November 25, 1932, Serial No. 644,268. In Germany November 27, 1931

3 Claims. (Cl. 75—1)

1. A method of making tools of hard metal carbide and binding metal, which comprises mixing the powder of hard metal carbide and the powder of binding metal with not more than 1% of finely divided glycerine by weight, pressing the mixture into compact form, working the surface thereof by means of a tool, and subsequently driving off the glycerine and sintering the mass by heat.

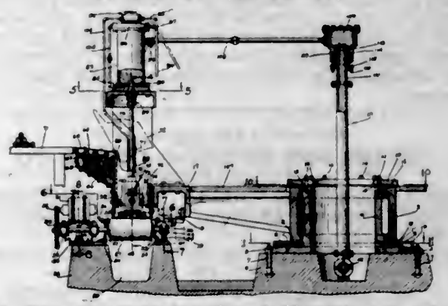
1,979,373

APPARATUS FOR DEFIBERIZING WOOD

George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota

Application May 31, 1930, Serial No. 458,247

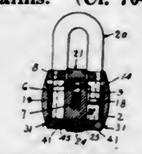
12 Claims. (Cl. 83—75)



1. In an apparatus for defiberizing wood, a plurality of abrasive elements mounted for ro-

tary movement, a main hopper mounted for movement over said abrasive elements and adapted to receive wood to be defiberized, a plunger adapted to feed the wood in said main hopper into engagement with the peripheries of said abrasive elements, means for guiding the plunger in its up and down movements, an auxiliary hopper connected with said main hopper, means on the plunger adapted to cause the wood in said auxiliary hopper to be retained therein upon downward movement of the plunger, and said plunger guide means being adapted to tilt the plunger when the latter is moved to a position above said main hopper, whereby the wood in said auxiliary hopper may be delivered into said main hopper.

1,979,374
CLICK LOCK
Alexander Enos, New York, N. Y.
Application December 22, 1932, Serial No. 648,391
11 Claims. (Cl. 70—113)



1. In a lock, the combination of a cylinder with shackle holes therein, an operating ring, two locking rings, two end caps enclosing said locking rings in spaced relation to said operating ring, a shackle with oppositely arranged notches therein, said rings and caps mounted on said cylinder, said operating ring having blocks seated therein and projecting on each side thereof, each of the said locking rings having blocks seated therein and projecting on one side only, said blocks on the operating ring and on the locking rings being interengageable with each other and means holding said parts together and said end caps and operating ring interengaging with each other.

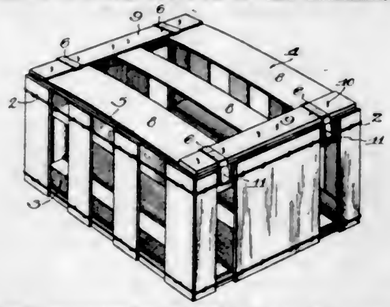
1,979,375
CLIP
John Fielding, North Providence, R. I., assignor of one-half to Joseph P. Whitaker, Apponaug, R. I.
Application March 12, 1934, Serial No. 715,154
13 Claims. (Cl. 24—248)



1. In a device of the character described, a body member and a cooperating member, resilient eyes on said members formed from the stock thereof, and a hinge pin extending through said eyes and being of such a size as to spring said eyes open, the frictional engagement between said pin and eyes being sufficient to maintain said members in substantially the position to which they are moved.

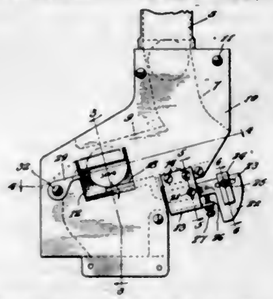
1,979,376
MEANS FOR SECURING COVERS TO CONTAINERS
Neil A. Fowler, Oak Park, Ill., assignor to General Box Company, Chicago, Ill., a corporation of Delaware
Application January 25, 1932, Serial No. 588,523
5 Claims. (Cl. 217—36)

1. In combination a wire-bound container, a cover having cleats at its end edges and flat metal flexible fastening elements secured between the cleats and cover and adapted to extend inwardly of the cover ends and lie flat against the cover prior to fastening the cover on the container, said fastening elements, when the cover is being secured to the container, be-



ing bent outwardly and downwardly to extend over the edge of the cover and behind the adjacent binding wire, the free end of the fastening element extending upwardly from the binding wire and occupying a position closely adjacent the downwardly extending portion.

1,979,377
COIN TESTING AND EJECTING MECHANISM FOR VENDING MACHINES
Benjamin W. Fry, St. Louis, Mo.
Application June 12, 1933, Serial No. 675,489
8 Claims. (Cl. 194—103)



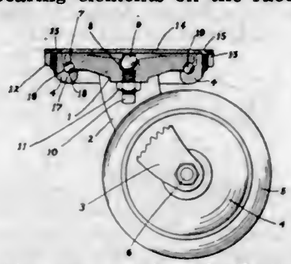
1. In a vending machine, the combination with a coin chute having a discharge opening communicating therewith, a weighing lever extending within the chute and actuated by a coin of predetermined weight to tilt said lever and permit passage of the coin, and a spring secured to the chute at one end of the discharge opening and having an inclined resilient lip projecting within said opening and across the coin passage and coacting with the lever for ejecting a coin of less weight from said chute.

1,979,378
CASTER
Chauncey W. Gannett, Wellington, Ohio, assignor to The Wellington Machine Company, Wellington, Ohio, a corporation of Ohio
Application May 29, 1931, Serial No. 541,019
9 Claims. (Cl. 16—21)

1. In a caster construction, a load member for engaging and supporting a load, a castering member comprising a head and a depending fork and a wheel rotatable in the fork, a single load transmitting bearing ball between the head and the load member upon which they may rotate relatively on a generally vertical axis through the ball, and disposed laterally of the wheel center, a pair of coaxial raceways respectively on the load member and head, a plurality of anti-friction rolling bearing elements on the raceways,

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the load member tending to be rocked on the single ball relative to the head by load on the load member, and tending to move the load member and head apart at one side of the ball axis and toward each other on the opposite side, the plurality of bearing elements on the raceways op-

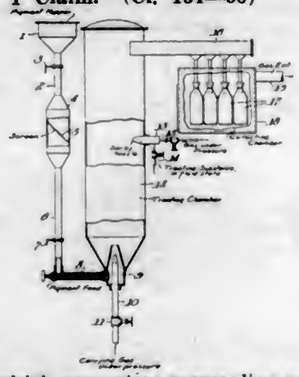


posing rocking movement, and effecting a two-point rotary bearing for the head and load member in all relatively rotated positions thereof comprising the single ball and a rolling bearing element on the raceways and the load maintaining the single ball and said raceway bearing element in pressure engagement proportional to the load.

1,979,379
ZINC-BASE WHITE PIGMENT AND PROCESS OF MAKING THE SAME
Henry A. Gardner, Washington, D. C.
No Drawing. Application January 16, 1931, Serial No. 509,263
2 Claims. (Cl. 134—78)

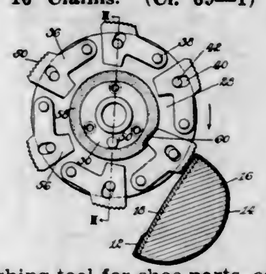
1. As a new product, a white zinc-base pigment containing zinc oxide as an essential component, the particles of which pigment are individually coated with a film of a water-insoluble zinc salt of oxalic acid.

1,979,380
PIGMENT AND METHOD OF MANUFACTURE
Henry A. Gardner, Washington, D. C.
Application March 31, 1931, Serial No. 526,773
1 Claim. (Cl. 134—58)



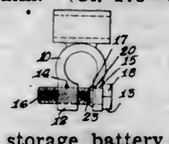
Process which comprises suspending solid pigment particles in a flowing stream of a suspending gas, upwardly moving the stream of gas and the pigment particles suspended therein, dispersing a relatively small amount of a vapor of an organic coating material not substantially reactive with the pigment in the said upwardly moving stream, thereby coating the individual particles of pigment with films of the coating material in amount from 0.1% to 5.0% by weight of the coating material based upon the weight of the pigment, and thereafter separating the resulting pigment product from the suspending gas.

1,979,381
SHOE ROUGHING TOOL
George Goddu, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 24, 1930, Serial No. 423,204
In Great Britain January 8, 1930
16 Claims. (Cl. 69—1)



1. A roughing tool for shoe parts, comprising a plurality of rigid, yieldingly mounted, sharp abrading blades, and means for preventing said blades from rolling upon the work.

1,979,382
TERMINAL OR CLAMP
Albert D. Goldman, Baltimore, Md.
Application September 21, 1928, Serial No. 307,416
1 Claim. (Cl. 173—259)

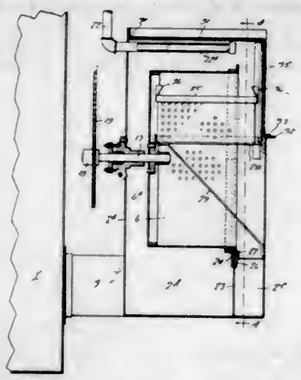


A clamp for storage battery posts including opposed integral jaw members having their ends normally spaced and formed with apertures, the aperture in one of said members being tapered toward the inner face of the said jaw member, a clamping bolt loosely mounted in the aperture in the said last mentioned jaw member and threaded through the aperture in the other jaw member, a head on the bolt engaging the outer face of said last mentioned jaws, said bolt having an annular groove therein near the inner face of the last named jaw member, a split ring member disposed in said groove and having an inclined exterior surface coacting with the tapered aperture in said last mentioned jaw member, said ring member being movable with said bolt for effecting sliding engagement between the tapered face of said jaw member and the inclined exterior surface of said ring member whereby said jaw members may be spread for removing the clamp from a storage battery post.

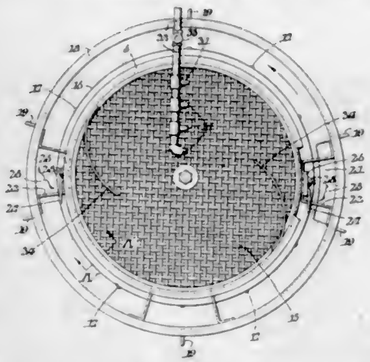
1,979,383
LABEL REMOVING MACHINE
John R. Gruetter, Cleveland, Ohio, assignor to Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application April 25, 1930, Serial No. 447,165
2 Claims. (Cl. 210—199)

2. In a device of the character described, a main tank, an auxiliary tank having its top above the normal liquid level in the said main tank and its bottom therebelow and being in open communication with said main tank whereby liquid may flow from the main tank into the auxiliary tank and maintain the same liquid level in both tanks, a partition in said auxiliary tank dividing it into two compartments, an opening in said partition extending above and below the liquid level

therein, a cup shaped screen rotatably mounted in said opening and entirely closing it, means for rotating said screen, a foraminated receptacle removably supported within said cup shaped screen above the liquid level in said tanks, and means for withdrawing liquid from said auxiliary tank after it has passed through said screen.



1,979,384
APPARATUS FOR BLANCHING NUTS
Edwin T. Harbaugh, Camden, N. J.
Application January 28, 1932, Serial No. 589,331
10 Claims. (Cl. 146—32)

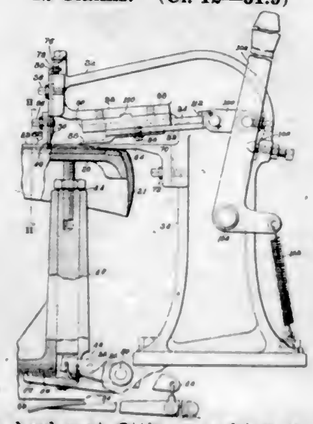


1. In apparatus for blanching peanuts and the like, a receptacle for holding a mass of nut kernels, having a stationary cylindric and imperforate wall, and a rotating bottom surfaced with woven rattan devoid of sharp edges, said bottom being vertically spaced relative to the lower edge of the receptacle wall to provide a narrow circumferential interval for escape of the hulls removed from the kernels by the abrading action of said rotating bottom.

1,979,385
COSMETIC PREPARATION
Norman D. Harvey, Jr., Providence, R. I., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application November 10, 1931, Serial No. 574,231
5 Claims. (Cl. 167—91)

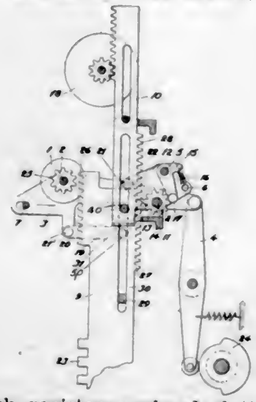
1. A cosmetic preparation containing an emulsifying agent comprising ethanolamines in conjunction with fatty acids, and a polyethylene glycol monoalkyl ether.

1,979,386
HEEL-SEAT FITTING MACHINE
George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 28, 1933, Serial No. 658,969
In Great Britain March 17, 1932
12 Claims. (Cl. 12—31.5)



1. In a heel-seat fitting machine, a cutter, a support for a shoe, means for moving the support in a predetermined path to force the shoe against the cutter thereby to form a heel-breast receiving abutment on the sole of the shoe, and a cutter mounted for reciprocation in a path which is disposed at an angle to said first-named path to reduce the sole rearwardly of and adjacent to the abutment.

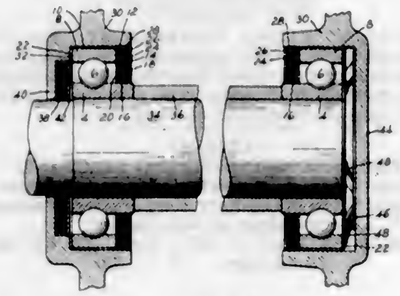
1,979,387
CASH REGISTER
Hans Fredrik Birger Högfors, Stockholm, Sweden, assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden
Application April 24, 1931, Serial No. 532,648
In Sweden June 2, 1930
8 Claims. (Cl. 235—7)



1. In cash registers and calculating machines having indicating and totalizing devices of the character described, the combination comprising a pair of straight sliding racks, one of said racks being an indicator rack and being operatively connected to an indicating wheel, the other of said pair of racks being a totalizer rack movable in accordance with values to be indicated, a carriage at one side of said pair of racks carrying a totalizer-actuating pinion, a second carriage

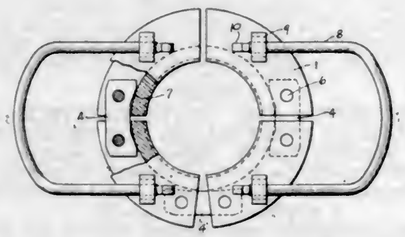
mounted on the other side of said racks on an extension of the first carriage, a coupling pinion carried by the second carriage, means positively connecting said carriages together so that one carriage is moved in a direction opposite to the other, and means, operable prior to sliding of the totalizer rack to effect a registering, for shifting the carriages to engage the totalizer pinion with teeth on said totalizer rack and for engaging the coupling pinion with teeth on both of said racks to effect sliding of the indicator rack a distance corresponding to that of the totalizer rack.

1,979,388
BEARING AND SEAL THEREFOR
Clifford N. House, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1930, Serial No. 453,942
10 Claims. (Cl. 308—187)



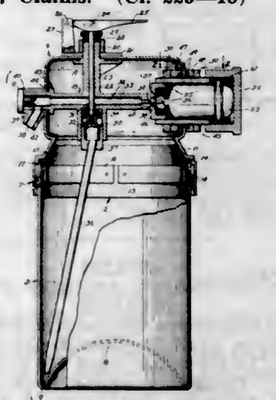
1. In an antifriction bearing and seal, a bearing comprising an inner race ring, an outer race ring and a row of rolling elements between the rings, a plate attached to the outer race ring and having a wall extending substantially axially from the bearing, said wall having an external diameter smaller than that of the bearing, and a sealing device surrounding said wall and supported thereby, the sealing device having an external diameter substantially equal to that of the bearing to prevent leakage between the periphery of the bearing and a bearing seat; substantially as described.

1,979,389
PIPE ENGAGING SLIP
James H. Howard, Houston, Tex., assignor to J. H. McEvoy & Company, a corporation
Application July 11, 1931, Serial No. 550,102
9 Claims. (Cl. 24—263)



8. A pipe engaging slip structure including a body portion, a handle therefor, and means connecting said handle to said body so that said handle extends radially of said body when in slip supporting position.

1,979,390
RECEPTACLE FOR CARBONATING AND DISPENSING LIQUIDS
Edward Jacobs, New York, N. Y.
Application March 11, 1932, Serial No. 598,256
7 Claims. (Cl. 225—18)



1. A receptacle for carbonating and dispensing liquids comprising an open mouthed container, a cover, a tube extending transversely across the cover, a spigot secured to one end of the tube, a charging capsule chamber connected to the other end of the tube, a port opening into said tube from the interior of the receptacle, a valve at said port, a valve rod extending through the lid for operating said valve, a pipe having its lower end adjacent the bottom of the container and its upper end adjacent the port, and means on said tube holding the pipe in said position and providing a passage between said port and the upper end of the pipe.

1,979,391
SHOE SOLE
Harry Laybolt, Brockton, Mass., assignor to Plymouth Rubber Company, Inc., Canton, Mass., a corporation of Massachusetts
Application August 5, 1933, Serial No. 683,788
11 Claims. (Cl. 36—32)

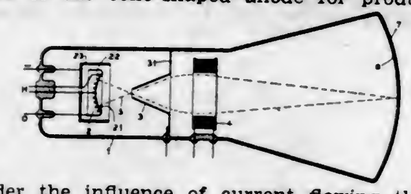


1. A shoe sole of resilient material having a lateral flange of reduced thickness on the edges of the ball portion thereof, the lower face of said flange having an uneven surface whereby creeping is prevented when the sole is being sewed to a shoe upper.

1,979,392
CATHODE RAY TUBE
Ernst Lübcke, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application April 21, 1932, Serial No. 606,570
In Germany May 4, 1931
6 Claims. (Cl. 250—27.5)

1. A cathode ray tube comprising a cathode member for producing an electron pencil, a cone-shaped anode having its apex through which the produced electron pencil is adapted to pass arranged substantially adjacent the cathode, a

fluorescent screen upon which the electron pencil is adapted to impinge to produce luminous effects, and a magnetic coil positioned adjacent the base of the cone-shaped anode for producing



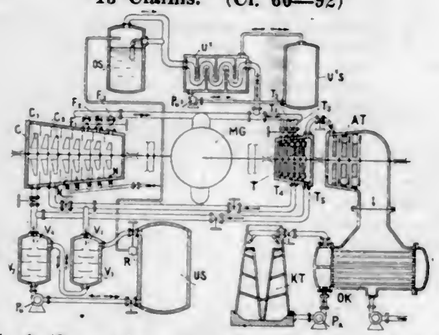
under the influence of current flowing therethrough a magnetic field to cause a convergence upon the screen of the diverging electron stream issuing from the anode.

1,979,393

THERMODYNAMIC ENERGY STORAGE METHOD

Fritz Marguerre, Mannheim, Germany

Application April 12, 1933, Serial No. 665,784
In Germany April 15, 1932
13 Claims. (Cl. 60—92)



1. A thermodynamic process for the storage and utilization of energy, consisting in forcing water contained in a lower accumulator through a first circuit, evaporating a portion of the water in this circuit, compressing and simultaneously superheating the steam thus obtained, accumulating the superheat of said steam, condensing afterwards the steam in upper accumulators during the charging period, withdrawing steam from said upper accumulators during the discharging period, superheating such withdrawn steam by means of said stored up superheat and expanding the same for the generation of power, condensing the expanded steam, transmitting heat of condensation hereby obtained to water of the lower accumulator circulated through a second circuit, eliminating from the process the heat produced by losses of energy inherent to the process, and regulating the temperature of the steam produced in said first circuit.

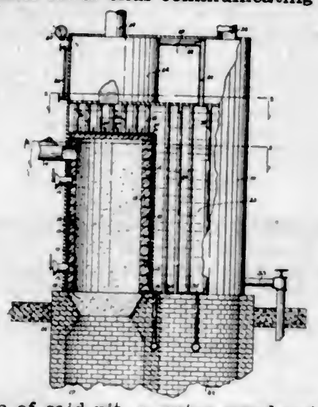
1,979,394

STEAM GENERATOR

Wilson L. McLaughlin, Herrold L. McLaughlin, and Virg Ballou, Des Moines, Iowa; said Herrold L. McLaughlin and said Virg Ballou assignors of their entire right to National Pure Water Corporation, Des Moines, Iowa, a corporation of Iowa

Application June 30, 1932, Serial No. 620,080
7 Claims. (Cl. 122—182)

1. In a device of the class described, a housing having a water compartment, a pit located below said housing, a combustion chamber inside said water compartment having its bottom open to communicate with the inside top of said pit, a plurality of spaced apart vertical hot gas flues extending through said water compartment and having their lower ends communicating with the



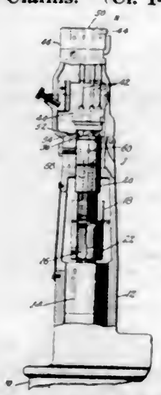
inside top of said pit, a water supply pipe communicating with the inside of said water compartment, a fuel inlet pipe terminating inside said combustion chamber, and a restricting ledge inside said pit and near the top thereof.

1,979,395

FASTENING-INSERTING MACHINE

Wheeler Minard, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 14, 1932, Serial No. 617,135
16 Claims. (Cl. 1—32)



1. In a fastening-inserting machine, the combination with a work-support, of a reciprocatory actuating member co-operating therewith, and a holder for a fastening-driver yieldable upon the member, the holder and member having surfaces contacting during the travel of the member to effect a positive movement of the holder.

1,979,396

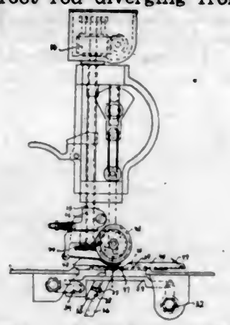
STRETCHING- AND CUTTING-DEVICE ON MACHINES FOR PULLING OUT THREADS

Karl Mischke, Zurich, Switzerland, assignor to Dürkopp-Werke A.-G., Bielefeld, Germany

Application September 4, 1928, Serial No. 303,930
2 Claims. (Cl. 112—78)

1. A stretching and cutting device on machines for pulling out threads, comprising in combination with the throat plate, a counter knife embedded in said throat plate, a cutting knife arranged under and at an angle to said throat plate adapted to lift said counter knife at the moment of cutting and to stretch the

cloth, a presser foot rod, and presser feet on said presser foot rod diverging from the front



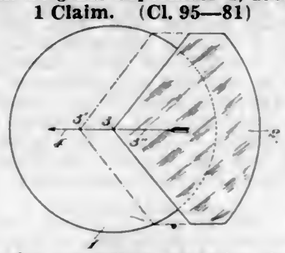
towards the rear adapted to uniformly guide, press and stretch the cloth to facilitate the cutting.

1,979,397

PHOTOGRAPHIC APPARATUS

Léonard Misonne, Gilly, Belgium

Application June 4, 1932, Serial No. 615,370
In Belgium September 1, 1931
1 Claim. (Cl. 95—81)



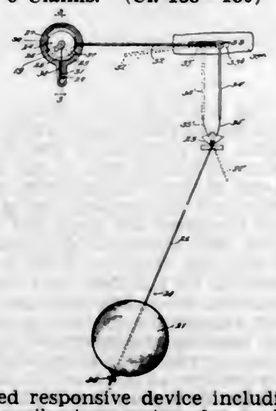
A device for correcting excessive sharpness of images produced by photographic lenses, comprising a thin sector-shaped light-diffusing screen, slidably mounted upon the lens mount to vary the area of the lens covered by the diffusing screen to produce varying degrees of sharpness of image, the radius of the sector being not less than one third the radius of the lens.

1,979,398

SPEED REGULATOR AND THE LIKE

Melvin Mooney, Chicago, Ill.

Application May 20, 1927, Serial No. 193,000
9 Claims. (Cl. 188—180)



7. A speed responsive device including a governor and a vibratory system for modifying the action of said governor.

1,979,399

DRY CLEANING PROCESS

Ralph A. Morgen, Kansas City, Mo.

No Drawing. Application June 8, 1933, Serial No. 674,898
4 Claims. (Cl. 68—38)

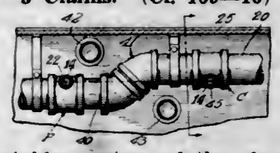
1. In the process of dry cleaning including application to the articles to be cleaned of a non-aqueous solvent and a detergent having alkalinity sufficient for substantially neutralizing the fats and the fatty acids in the detergent and those transferred to the solvent from the articles being cleaned, purifying the solvent with a clarifying agent having an alkaline content balanced with alkalinity of the detergent to effect substantially complete removal of fatty acids and fats in the solvent by adsorption thereof by the clarifier.

1,979,400

DISTRIBUTING PIPING FOR SPRINKLER SYSTEMS

Patrick J. Neilon, Cleveland, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 16, 1930, Serial No. 452,866
3 Claims. (Cl. 169—16)



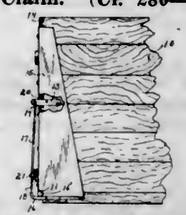
1. A sprinkler system of the class described comprising a main supply line, branch fittings in said main line including axially aligned main outlets for connection with said main line, and axially aligned branch outlets eccentrically disposed with relation to said main outlets, fluid distributing means connected in said branch outlets, offset fittings in said main line disposed to position the axis of a portion of the main line in a plane below the plane of the axis of another portion, said branch fittings being connected in the main line at opposite sides of said offset fittings, and so disposed to position all of the fluid distributing means in a single plane.

1,979,401

SCOOP BOARD FOR VEHICLE BOXES

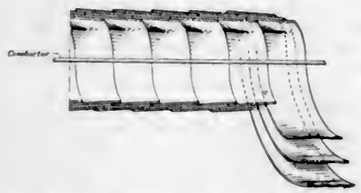
Hans A. Nelson, Exira, Iowa

Application June 26, 1933, Serial No. 677,658
1 Claim. (Cl. 280—58)



In combination with a vehicle box, a horizontal supporting rod secured to the rear lower end portion of said box, a scoop board element, hook members secured to said scoop board element capable of engaging said supporting rod at times, notches in the bottom of said scoop member at a suitable distance from and facing said hook members capable of engaging said rod at times, and a side supporting element having one end secured to said box and its other end secured to said scoop board element for supporting said scoop board element in an open position.

1,979,402
CONCENTRIC SHIELD FOR CABLES
Harry Nyquist, Millburn, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 7, 1932, Serial No. 615,918
1 Claim. (Cl. 179—78)

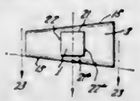


In a system for protecting one conductor in a cable from the inductive effect of another conductor therein comprising a shield positioned between the said conductors, the said shield having at least two contiguous layers of dissimilar materials, one characterized by a high ratio of permeability to conductivity and the other by a low ratio of permeability to conductivity but each characterized by a large product of permeability and conductivity, the method which consists in reflecting from that surface of the shield nearer to the source of the disturbing wave a portion of the said wave, transmitting the remainder of the said wave through the first layer of the shield and attenuating the said wave during such transmission, reflecting a portion of the said attenuated wave from the junction between the said layers and transmitting to the second layer that portion of the wave not reflected, then attenuating by and within the said second layer the portion of the wave transmitted to that layer and reflecting a part of the said wave from the outer surface of the said second layer.

1,979,403
PRODUCTION OF ARTIFICIAL SILK
Walter Ostermann, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 13, 1931, Serial No. 568,649. In Germany December 10, 1930
6 Claims. (Cl. 18—54)

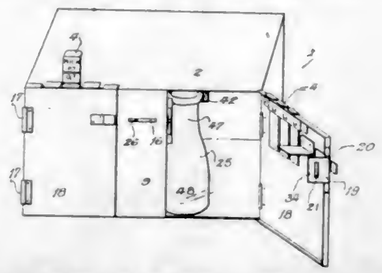
1. In the manufacture of cuprammonium filaments, the step of precipitating the extruded filaments through the action of a counter current gaseous stream of heated carbonic acid.

1,979,404
SAFETY RAZOR
Ray W. Pautler, St. Louis, Mo.
Application October 8, 1932, Serial No. 636,826
1 Claim. (Cl. 30—12)



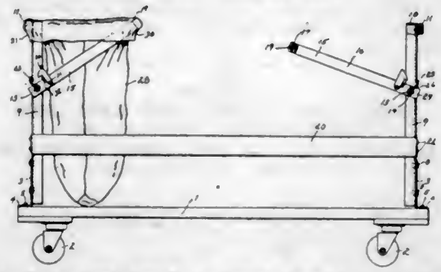
In a razor, the combination of a blade and handle, the said blade tapering from one end to the other and including converging lateral cutting edges, and the handle being square in cross section with one opposite pair of faces adjacent the cutting edges disposed at acute angles thereto and parallel with the longitudinal axis of the blade whereby the remaining faces of the handle act as finger grips disposed in parallelism with the intended line of travel of the razor in use.

1,979,405
LOCK AND CONTAINER
Louis G. Payne, Dayton, Wash.
Application April 27, 1932, Serial No. 607,737
3 Claims. (Cl. 232—41)



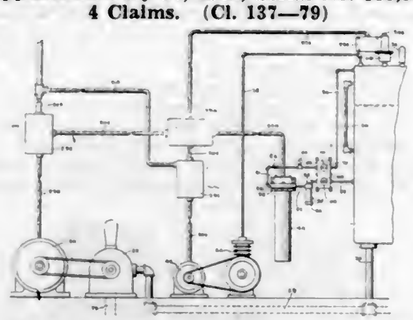
1. In a lock and container, the combination with a container having compartments, each compartment being provided with a slotted guide table and a closure, of an enclosed integral lock contained within said container and including a double acting bolt adapted to slidably engage said closures alternately, and selective primary and secondary latches contained within the compartments of said container to automatically engage said bolt, said primary latch being associated with said guide table and mounted and positioned with respect to the slot therein to be actuated to release said bolt by an added package supported in and directed by said slot to contact said latch, and means associated with said closure to impel said package and release said bolt for manual operation into engagement with the operated closure.

1,979,406
BAG TRUCK
Sven Johan Pehrsson, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a corporation of Ohio
Application October 7, 1929, Serial No. 397,778
4 Claims. (Cl. 83—26)



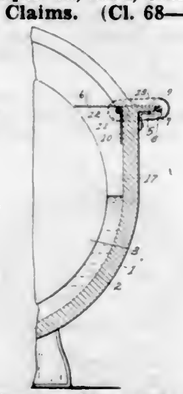
1. In a bag truck, a truck frame, a riser on the frame, a bag spreader on the riser, a U-shaped arm mounted for rotation on the riser about a substantially horizontal axis, a bag spreader on the closed end of the U-shaped arm, spaced from the first spreader, the spreader being adapted to have folded thereover the open end of a bag to be supported, the U-shaped arm being adapted to enclose said bag, the legs of the U having rotational bearing on the riser and the free ends thereof extending beyond the bearing, stop means on the riser engageable by the free ends of the U legs for limiting movement of the movable spreader away from the first spreader and engageable by the legs of the U on the opposite side of the bearing from the free ends for limiting movement of the movable spreader toward the spreader on the support.

1,979,407
HYDROPNEUMATIC CONTROL APPARATUS
Theodore F. Pike, Minneapolis, Minn., assignor to Water Level Controls Company, St. Paul, Minn., a corporation
Application July 27, 1931, Serial No. 553,365
4 Claims. (Cl. 137—79)



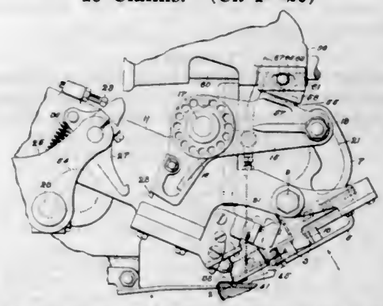
1. In a hydro-pneumatic control apparatus, the combination of a tank, a pump for supplying liquid to said tank, an air compressor connected to the top of said tank, a mercury column device in the nature of a U-tube, a pipe line connecting one end of said column with the lower portion of said tank, a second pipe line connecting the other end of said column with the upper portion of said tank, valves in said pipe lines respectively, interlocking means between said valves which prevents the valve in said first pipe line from being in open condition when the valve in said second pipe line is in closed condition, and means set in operation by changes in the height of said mercury column for causing said pump to operate when the liquid in said tank falls to a predetermined level and for causing said pump to stop when the liquid in said tank rises to a predetermined level.

1,979,408
CLOTHES WASHING MACHINE
Thomas J. Power, Milwaukee, Wis., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application April 18, 1931, Serial No. 531,046
15 Claims. (Cl. 68—38)



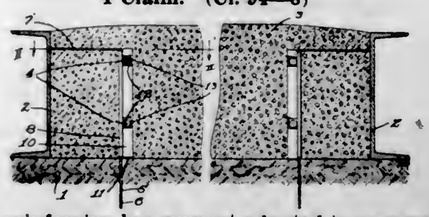
1. In a washing machine, a door sealing guard structure comprising, the combination with a plate mounted for rotation about a given axis, of a second plate mounted for rotation about an axis substantially parallel to the first mentioned axis, and means connecting said plates permanently in substantially perpendicular relation and for simultaneous rotation about their respective axes, together with a door casing and door having portions spaced in the closed position of the door just sufficiently to receive said plates, said plates being alternatively positioned in said space and having such dimensions as substantially to fill said space when positioned therein.

1,979,409
FASTENING-INSERTING MACHINE
John William Pratt and Harold Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 22, 1933, Serial No. 662,078
In Great Britain April 18, 1932
19 Claims. (Cl. 1—20)



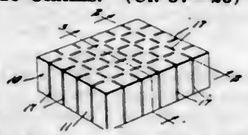
1. In a fastening-inserting machine, the combination with a staple driver, and a deflector for engaging the legs of each staple prior to and during their entrance into the work to curve them progressively as they are driven and thereby anchor them in the work, of a device movable to transfer a staple into position to be driven, said device having portions thereof arranged to extend substantially as far in the direction of the drive as the deflecting face of the deflector to guide the legs of the staple in the staple-driving operation.

1,979,410
BAR SUPPORT
Robert R. Robertson, Chicago Heights, Ill.
Application July 11, 1930, Serial No. 467,148
Renewed April 2, 1934
1 Claim. (Cl. 94—8)



A reinforcing bar support adapted to cooperate with a marginal road form, said support consisting of a flat metal stake having its width decreased at one end to provide a driven point and having a portion bent normal to the longitudinal axis of said stake to provide an arm adapted to rest against a road form, the other end of said stake being substantially straight to provide means cooperating with the road form and the driven end of the stake to prevent turning of the driven stake, and a sheet metal member having a part thereof bent clamped to said stake providing a wing directed oppositely to said normally bent portion of said stake, said wing having a plurality of vertically spaced notches and having integrally connected bendable fingers providing closure means for the notches.

1,979,411
SOAP BAR
Henry F. Sands, Warwick, R. I.
Application December 21, 1933, Serial No. 703,361
15 Claims. (Cl. 87—23)



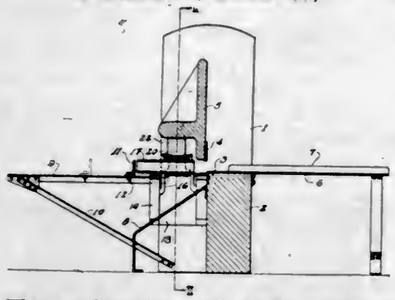
11. In a soap bar, soap material, and a structure of soft fibre material embedded in the soap material and having portions extending longitudinally and transversely of the soap bar, said longitudinal and transverse portions terminating at the upper and lower surfaces thereof.

1,979,412
SPOOL OR BOBBIN FOR ROLL FILMS
Philipp Schwarz, Wuppertal-Barmen, Germany
Application June 16, 1933, Serial No. 676,176
In Germany February 9, 1932
8 Claims. (Cl. 242—71)



7. A roll film spool having a tubular core, the said core having a longitudinally extending slot, means interiorly of the core for guiding the end of a paper strip characterized by the fact that the means are partially dislodged from the tubular portion of the core and positioned to extend transversely of the core.

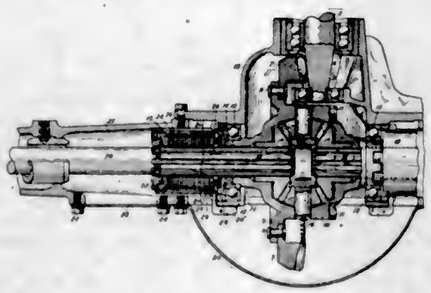
1,979,413
SHEAR GUIDE
Rudolph R. Seft, Brackenridge, Pa.
Application April 12, 1933, Serial No. 665,693
6 Claims. (Cl. 164—59)



1. The combination with shear mechanism of a work support and guide mechanism comprising a pair of channels mounted in parallel alinement and cooperating to engage the article to be severed therebetween, means yieldingly urging said guide members towards each other, and means operative in response to movement of the shear for spreading said guide members against the tension of said yielding means, and means independent of said first named means acting upon said guide members to intimately engage the article to be severed.

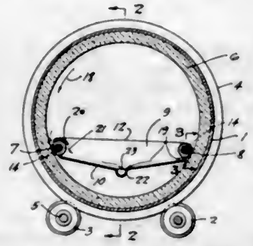
1,979,414
DIFFERENTIAL MECHANISM
Temple Clifford Smith, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 22, 1933, Serial No. 699,243
4 Claims. (Cl. 74—315)

1. In a differential mechanism, a driving shaft and two driven shafts, a ring gear operated by said driving shaft and rotatable upon the same axis as said driven shafts, a bevel pinion gear carried by a frame associated with said ring gear and adapted to rotate on an axis at right angles to the axis of said ring gear, said bevel pinion gear being meshed with the bevel gears upon each of said driven shafts so that when the reactions to turning torque for said driven shafts are equal they will be driven with said ring gear, but when said reactions are unequal one of said driven shafts tends to lag behind the other, and a frictional connection from said ring gear to at least one of said driven shafts independently of the driving connection from said ring gear to said shafts through said bevel gears, whereby differential action between the driven shafts cannot



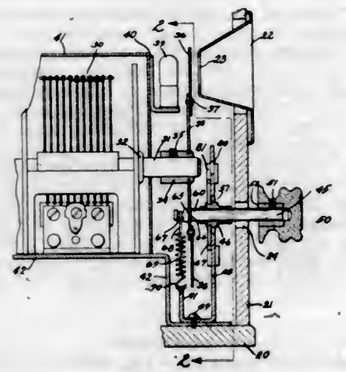
take place until the friction of said frictional connection is overcome, said frictional connection including a removable casing surrounding the driven shaft and adapted to be engaged for rotation with said ring gear, said removable casing including a plurality of friction disks rotating therewith but movable with respect to the driven shaft and a corresponding series of disks movable with said driven shaft and frictionally engaging said first mentioned disks, a housing for the driven shafts and differential mechanism, said casing with the associated friction disks being adapted to be disengaged from said ring gear, and a removable cover upon said housing through which said casing and disks may be removed when the associated driven shaft is withdrawn.

1,979,415
FINISHING, DRAINING, AND PACKING MECHANISM FOR CENTRIFUGAL CASTING MACHINES
Marko T. Soso, Los Angeles, Calif.
Application September 30, 1933, Serial No. 691,657
8 Claims. (Cl. 25—30)



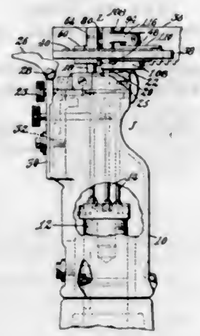
7. In a device of the character described, a receptacle, and a pair of parallel finishing and packing rollers arranged on opposite sides of the receptacle, and above the bottom thereof, for causing the receptacle to collect moisture expressed by the rollers.

1,979,416
RADIO SELECTOR DRIVE
Frank Spangler, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 19, 1931, Serial No. 523,763
9 Claims. (Cl. 74—10)



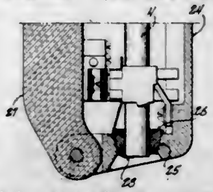
1. A radio selector drive comprising in combination, a tuning shaft provided with a driven disc of thin material, a control shaft arranged parallel to said tuning shaft and having means frictionally engaging said disc, an elongated bearing sleeve for said control shaft having limited movement to and from said tuning shaft, and means engaging said control shaft for urging said frictional means into driving engagement with said disc.

1,979,417
FASTENING-INSERTING MACHINE
John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 15, 1932, Serial No. 617,433
45 Claims. (Cl. 1—32)



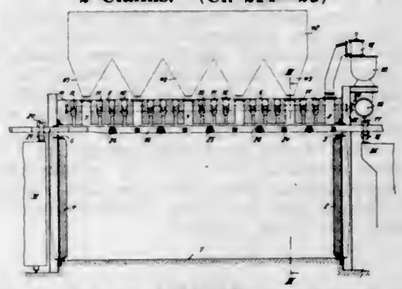
1. In a fastening-inserting machine, the combination with a work-support, of a transferring device movable from a fastening-receiving position separated from the work-support to a fastening-delivering position at said work-support and provided with movable members in which are fastening-holding passages, and automatic means for moving the members upon the transferring device.

1,979,418
FUSE
Alwin G. Steinmayer and William D. Kyle, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 20, 1932, Serial No. 638,676
5 Claims. (Cl. 200—127)



1. An expulsion type fuse comprising a housing having a body portion and a door hinged thereto adjacent the lower end, said housing having an opening adjacent its lower end, an expulsion fuse cartridge carried by said door, said housing and said fuse cartridge being provided with cooperating contacts, a barrier carried at the lower end of said cartridge and forming the bottom of said cartridge and substantially sealing the opening within said housing, and a fuse link extending between the contacts of said fuse cartridge and looped around the lower end of said fuse cartridge and said barrier.

1,979,419
LEVELING BAR
Carl Still, Recklinghausen, Germany
Application March 4, 1931, Serial No. 520,169
In Germany March 8, 1930
2 Claims. (Cl. 214—23)

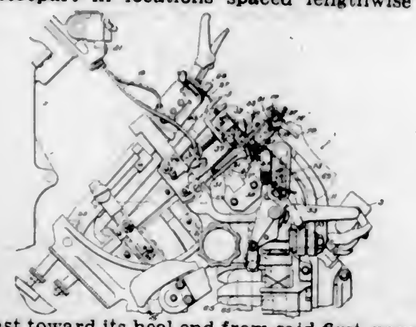


1. A leveling bar for a coke oven having rollers mounted for rotation on their axes in spaced relation to each other on and along said bar and having their axes substantially parallel to each other and transverse to said bar for compressing a charge within a coking chamber, scrapers mounted on said bar on opposite sides of each of said rollers and having scraper edges substantially parallel with the axes of said rollers, said scrapers being adjustable transversely to said bar and transversely to the axes of said rollers.

1,979,420
MACHINE FOR SHAPING UPPERS OVER LASTS
George Prior Swales, William Thomas Buckingham Roberts, and Harold Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 12, 1933, Serial No. 702,038
In Great Britain January 12, 1933
29 Claims. (Cl. 12—4)

1. In a machine for shaping uppers over lasts, the combination with means for pulling an upper

over a last at the opposite sides of the forepart, of overlaying devices movable widthwise of the last after the pulling of the upper to lay its marginal portion inwardly over a sole on the last at the sides of the forepart, and other overlaying devices arranged to engage the upper at the sides of the forepart in locations spaced lengthwise of



the last toward its heel end from said first-named devices and movable widthwise of the last, with components of movement also toward the toe end of the last in angular relation to the directions of movement of said first-named devices, to lay the marginal portion of the upper inwardly over the sole.

1,979,421

BIOLOGICAL PRODUCT AND PROCESS FOR PRODUCING THE SAME

Robert W. Terry, Columbus, Ohio

No Drawing. Application March 7, 1929, Serial No. 345,231
6 Claims. (Cl. 167—78)

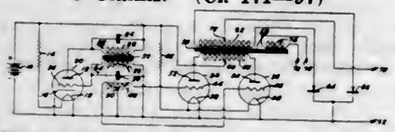
1. The process of making the diagnostic biological product pullorin, which consists in producing a bacterial emulsion containing Salmonella pullora organisms by removing such organisms from the surface of agar media with the use of distilled water, in rendering soluble as much of the material as possible from the bacterial cells of said organisms by adding to said emulsion a regulated quantity of sodium hydroxide, neutralizing the emulsion by treatment with hydrochloric acid and then filtering to obtain a substantially clear product.

1,979,422

CONVERTER

Henry Tholstrup, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 12, 1932, Serial No. 632,703
9 Claims. (Cl. 171—97)



9. In an electrical network for changing low voltage direct current into high voltage direct current suitable for energizing electronic tubes of radio receivers and the like, an oscillation generator circuit comprising in combination, a source of comparatively low voltage direct current, an electronic tube having an anode, a cathode and a control electrode, means for energizing said cathode comprising connections to said source, input and output circuits for said tube, said output circuit including a connection between said anode and cathode including the primary of a coupling transformer and said source in series, said input circuit including a connection between the control electrode and the cathode including the secondary of said coupling transformer, said coupling transformer acting to link said input and output circuits to facilitate the transfer of energy from said output circuit to said input circuit for producing oscillations, means associated with said generator circuit for determining the frequency of oscillations generated thereby, a pair of electronic tubes each thereof including anode, cathode and grid electrodes, push-pull input and output circuits therefor, means for energizing said two last named tubes including connections to said source for energizing the cathodes thereof and means for including said source in the common portion of said push-pull output circuit to thereby energize the anodes of said tubes with respect to the cathodes thereof, a rectifier circuit including input terminals and output terminals and means for coupling the push-pull output circuit to said rectifier input terminals, said rectifier output terminals being adapted to be connected to a utilizing circuit.

1,979,423

COLLAPSIBLE SPOOL FOR MOTION PICTURE FILM

Albert W. Tondreau, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application May 16, 1932, Serial No. 611,542
6 Claims. (Cl. 242—72)



5. A collapsible spool for motion picture film, comprising a split tubular film receiving member of resilient material, a cam, means for rotatably supporting said cam within said split, and a hand operating device for rotating said cam to expand or contract said spool.

1,979,424

PIPE SECTION

James E. Trainer, Akron, Ohio, and Charles M. Day, Denver, Colo., assignors, by direct and mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application March 1, 1934, Serial No. 713,478
8 Claims. (Cl. 285—111)



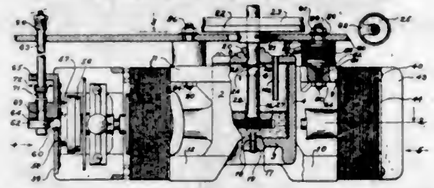
1. A conduit comprising two parts, and an insert secured therebetween and constituting a part of the conduit, said insert conforming on the inside of the conduit to the uniform contour of the inner wall of the conduit and graduated in thickness from its joints with the conduit parts toward a midsection, the maximum thickness thereof being at the mid-section.

1,979,425

TANDEM MOTOR MECHANISM

Fritz van der Woude, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio

Application August 12, 1931, Serial No. 556,526
19 Claims. (Cl. 172—36)



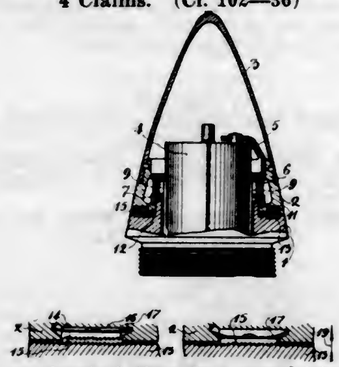
1. In a motor drive mechanism, a frame comprising a closed lubricant tight chamber, a driven shaft disposed generally vertically in the chamber, an end thrust bearing in a chamber wall supporting the shaft, the shaft extending upwardly out of the chamber through a rotational bearing in an upper chamber wall, a gear on the shaft in the chamber, an armature shaft extending transversely through the chamber supported in rotational bearings in opposite walls thereof, a worm on the shaft meshed with the gear, and an armature on each end of the shaft externally of the chamber, and lubricant in the chamber.

1,979,426

MECHANICAL TIME FUSE

André Varaud, Geneva, Switzerland

Application February 3, 1933, Serial No. 655,133
In Switzerland February 10, 1932
4 Claims. (Cl. 102—36)



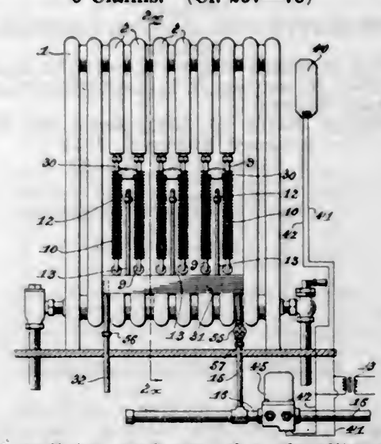
1. A mechanical time fuse comprising a fuse body adapted to be secured to a projectile, a timing adjustment ring rotatable on the body, means ensuring constant frictional resistance to rotation of the ring on the body, toothed means operated by inertia when the projectile is subjected to an accelerating force of projection for positively engaging teeth on the body to lock the ring against rotation thereon during acceleration of the projectile, and spring means normally holding the toothed means inoperative, said spring means yielding under the inertia of the toothed means to render the toothed means operative.

1,979,427

COMBINATION RADIATOR AND HUMIDIFIER

Harry S. Welsh and William C. Barber, Rochester, N. Y.

Application March 9, 1934, Serial No. 714,857
6 Claims. (Cl. 237—78)



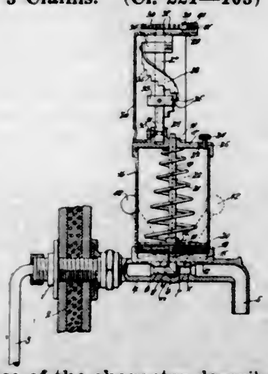
1. A radiator made up of a plurality of upright sections placed parallel to each other, the sections at either end having a plurality of tubes therein extending the full height of the radiator, the intermediate sections having a portion of the tubes on one side cut away between the top and bottom, forming an evaporating chamber that is enclosed on five sides by the radiator sections and tube and is open on one side, a tube in each intermediate section connecting the lower end of one of the cut-away tubes with the uncut full length tube permitting the circulation of water therethrough, fins on said tube to promote the radiation of heat therefrom.

1,979,428

MEASURING FAUCET

John L. Wheeler, St. Louis, Mo.

Application September 13, 1933, Serial No. 689,276
3 Claims. (Cl. 221—103)



1. A device of the character described comprising a faucet having a passage therethrough, a receptacle having a passage communicating with said passage through said faucet and arranged to receive and discharge liquid through said last named faucet, a device supported by said faucet and controlling said passages and being settable in one position to admit liquid to said receptacle and settable in another position to discharge liquid from said receptacle, a movable wall in said receptacle limiting the amount of liquid that may

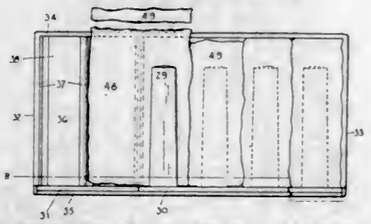
enter said receptacle, a rod attached to said wall and extending for sliding movements through one end of said receptacle, a rotary shaft supported out of alinement with said rod, and a spiral series of abutments for limiting extent of movement of said rod supported by said shaft.

1,979,429

APPARATUS FOR MAKING SANDWICH ROLLS

Clarence Hamilton Wilkes, Gloversville, and Otto Werner, Johnstown, N. Y.; said Wilkes assignor to said Werner

Application March 14, 1932, Serial No. 598,710
Renewed August 2, 1934
8 Claims. (Cl. 53—6)



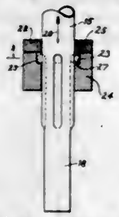
5. In apparatus for making a sandwich roll in the shape of a complete integral tube closed at one end, the combination of a pan having vertically disposed guideways near one edge and a removable and replaceable core shorter than the pan and placed horizontally in the pan with one end spaced from the adjacent end of the pan and means rigidly secured to the other end of the core and removably fitting said vertical guideways and holding the core horizontally and spaced upwardly from the bottom of the pan.

1,979,430

METHOD OF FORMING SHAFTS FOR GOLF CLUBS

Carl Wright, Ashtabula, Ohio, assignor to The American Fork & Hoe Company, Geneva, Ohio, an organization of Ohio

Application March 19, 1932, Serial No. 599,955
9 Claims. (Cl. 29—156)



1. The method of making a golf club shaft which includes performing a longitudinal die drawing operation upon a seamless tubular blank to provide a portion of reduced diameter, forming in the wall of the unreduced portion by a longitudinal die drawing operation a plurality of circumferentially spaced outwardly flaring recesses, then longitudinally die drawing the tube to concurrently close up the sides of the recesses to dispose them mutually adjacent but out of mutual contact and to form inwardly projecting, longitudinally extending ribs coextensive with the recesses.

1,979,431

GAME

Benjamin F. Wupper, Chicago, Ill.

Application August 16, 1930, Serial No. 475,683
6 Claims. (Cl. 273—123)

3. In combination an undulating hard surfaced body having a plurality of shallow hollows therein, and a hard ball rollable over the surface of said body, the slope of the surface of said body



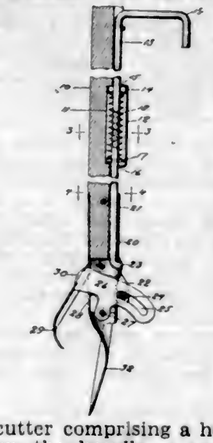
being at no point greater than the angle at which the ball will roll rather than slide.

1,979,432

WEED CUTTER

Ernest O. Zander, Oakland, Calif.

Application January 15, 1934, Serial No. 706,675
4 Claims. (Cl. 55—148)



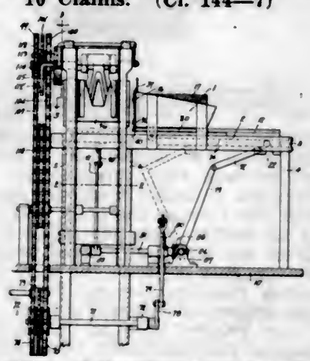
1. A weed cutter comprising a handle, a housing formed on the handle, a spring-tensioned operating rod capable of reciprocable movement through the housing, a yoke slidably related to the handle, and affixed to the rod, a bell-crank pivotally related to the handle and pivotal by the yoke, a cutting blade carried by the bell-crank and means for securing the cutting blade in cutting position with relation to a weed.

1,979,433

MACHINE FOR MAKING BOX TOPS AND BOTTOMS

Alfred J. Ambrose, Yakima, Wash., assignor to Cascade Lumber Company, a corporation of Washington

Application August 14, 1933, Serial No. 685,046
10 Claims. (Cl. 144—7)



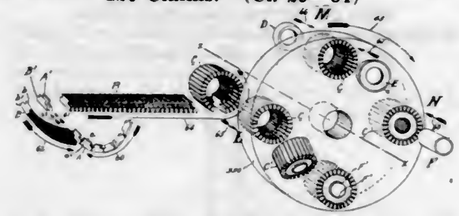
1. A machine of the character described comprising an assembling frame, feed devices for delivering sets of boards into the frame, feed devices at different levels for delivering sets of cleats into the frame transversely of the boards, means for applying an adhesive to certain faces of the cleats as they are delivered, and a driving means common to both feed devices whereby they are caused to deposit sets of boards and cleats alternately in stacked relation in the assembling frame.

1,979,434

COMMUTATOR ASSEMBLING MACHINE

Russell W. Baker, John Q. Holmes, and Alva W. Phelps, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 21, 1931, Serial No. 576,494
126 Claims. (Cl. 29—84)



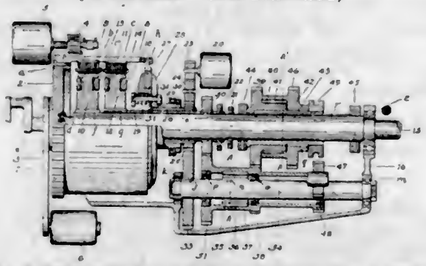
1. A commutator assembling machine comprising, in combination, means for assembling an annulus of segments of metal alternating with segments of insulation, said segments having anchoring tangs and means for assembling and securing therewith devices for binding the tangs of the segments together.

1,979,435

TRANSMISSION SYSTEM

David A. Barnett, Hamden, Conn.

Application July 20, 1932, Serial No. 623,524
7 Claims. (Cl. 172—284)



1. A transmission system comprising a driving shaft, a driven shaft, electro-magnetic means for transmitting power therebetween, second electro-magnetic means for transmitting additional power between said shafts at a reduced speed ratio, means independent of said first means and said second means for positively transmitting additional power between said shafts at another reduced speed ratio, and means for connecting and disconnecting said independent means and said second means between said shafts without affecting transmission of power by said first mentioned means.

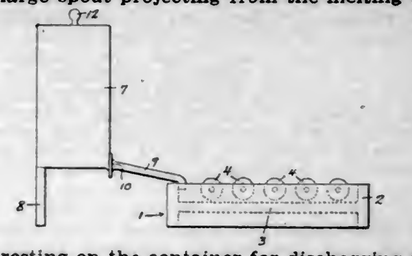
1,979,436

BREAD BUTTERER

Ben Bedford, Fayetteville, N. Y.

Application April 30, 1934, Serial No. 723,272
4 Claims. (Cl. 91—51)

1. A buttering device of the class described comprising a container, coating rolls journalled in the container, a melting box mounted adjacent the container, and a substantially flat inclined discharge spout projecting from the melting box



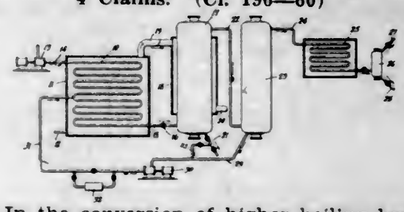
and resting on the container for discharging the melted butter thereinto and for supporting one side of the melting box thereon.

1,979,437

TREATING HYDROCARBON OILS

Otto Behimer, Chicago, Ill., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 10, 1928, Serial No. 253,257
4 Claims. (Cl. 196—60)



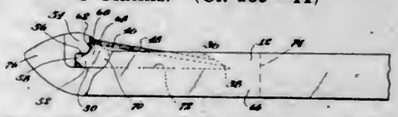
1. In the conversion of higher boiling hydrocarbon oils into lower boiling ones, the process that comprises passing the oil through a coil positioned in a furnace, applying furnace gases to the coil to heat the oil in transit therethrough to a cracking temperature of the order of 850° F.–1000° F. to effect cracking, passing the cracked products into the lower part of an enlarged reaction chamber wherein separation of vapors from liquid occurs, applying hot gases from said furnace to upper portions of said enlarged reaction chamber to maintain the separated vapors flowing at reduced velocity therein at a cracking temperature within the above temperature range and withdrawing the liquid from the unheated bottom portion of the chamber at a rate adequate to prevent the accumulation of liquid therein so that the cracking reaction is continued with respect to the vapor component while it is stopped with respect to the liquid component, separately removing the vapors from the upper part of said reaction chamber and passing them to a fractionating zone wherein they are subjected to fractionation to separate out a gasoline distillate.

1,979,438

PILE WIRE

Marcus B. Behrman, Brooklyn, N. Y., assignor to Lox Seal Corporation, Brooklyn, N. Y., a corporation of New York

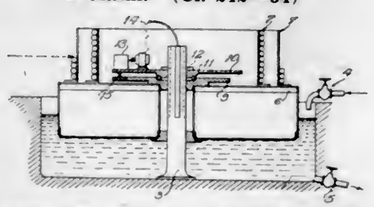
Application November 17, 1932, Serial No. 643,062
5 Claims. (Cl. 139—44)



1. In a pile wire body formation, a holder for retaining rigidly yet removably a pile cutting

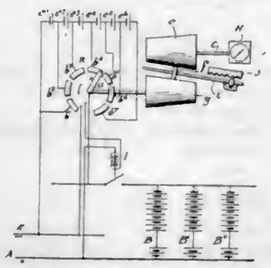
blade, the holder being formed from a metallic blank having two wings, one of the wings being longer than the other, the wings being folded and disposed in juxtaposed relation and having the additional length of the one wing extending at one end of the holder, said wings, when so disposed, defining a slot for receiving the blade, the slot having an overhang at the end removed from the wing extension to receive the end of the blade pointing in the direction the pile wire takes in its cutting movement, one of the wings being formed with a depression bounded by shoulders at the other end of the slot to permit the blade to be slid into position in the slot, and a rigid stop plate immovably positioned on the wing extension and forming an abutment to prevent movement of the blade out of the slot when the pile wire is drawn in the cutting movement, the position of said stop plate being determined by the shoulders of the said depressions.

1,979,439
HYDRAULIC ROTATORY AND TRANSLATORY DEVICE
Henri Bénit, Paris, France, assignor to Compagnie Generale D'Electricite, Paris, France
Application June 3, 1932, Serial No. 615,206
In Germany June 4, 1931
1 Claim. (Cl. 242—54)



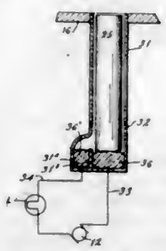
In a device for producing an helicoidal movement constituted by a vertical translatory movement combined with a rotary movement and adapted to the winding of cable on large diameter drums and including a liquid reservoir, a float adapted to support the drum to be wound, a vertical shaft secured to the bottom of the reservoir and along which the float is adapted to be displaced, means to rotate the said float around the said shaft, and means to regulate the hydraulic lift exerted on the float to obtain the required helicoidal movement of the cable drum.

1,979,440
STORAGE BATTERY CHARGING SYSTEM
Henri Bénit, Paris, France, assignor to Compagnie Generale D'Electricite, Paris, France
Application June 10, 1932, Serial No. 616,504
In Germany June 26, 1931
3 Claims. (Cl. 171—314



1. Automatic charging device for storage batteries, at tapering charging rate and predetermined period, by means of a direct current line the voltage of which is above the final voltage of the batteries when charged, device comprising a counter-electro-motive force battery of elements connected in circuit with the line and the batteries to be charged, a voltage reducer adapted to selectively vary the total number of said elements in the charging circuit, a clockwork mechanism actuating the said reducer in order to successively withdraw from the charging circuit the counter-electro-motive force elements, during the predetermined charging period, and a time switch opening the charging circuit at the end of the time fixed for charging.

1,979,441
SWITCH
John H. Benya, Lakewood, Ohio
Application June 26, 1933, Serial No. 677,607
8 Claims. (Cl. 200—81)



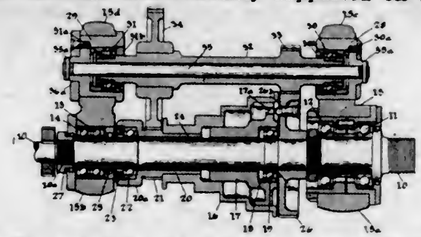
1. A switch comprising a tube, a liquid conductor in the bottom thereof, a float on said conductor, means for applying an impulse of air to one end of said float, thereby causing said float to lower in the liquid and so raise the level of said liquid to close a circuit.

1,979,442
REMOVAL OF RESIDUAL DEBISMUTHIZING REAGENTS IN LEAD REFINING
Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 6, 1932, Serial No. 627,805
9 Claims. (Cl. 75—15)

1. The process of treating lead contaminated with small amounts of alkaline earth metal reagents which consists in adding caustic soda and nitre to a molten bath of such lead while maintaining same within a temperature range of 760° F. to 850° F. thereby forming a dross containing the residual alkaline earth metal reagents and effecting a separation between the molten bath and said dross.

1,979,443
HEADSTOCK FOR LATHES
Constant Bouillon, Torrington, Conn., assignor to The Hendey Machine Company, Torrington, Conn., a corporation of Connecticut
Application September 28, 1931, Serial No. 565,412
4 Claims. (Cl. 82—30)

1. In a headstock, the combination of a front bearing and a rear bearing, a spindle rotatably mounted in said bearings, a pulley freely rotatable relative to said spindle, bearing housing members for said pulley, one of said bearing housings being adjacent to said pulley and extending therefrom with a pinion interposed between said housing and said pulley, anti-friction members retained in said housings and rotatably supported on said



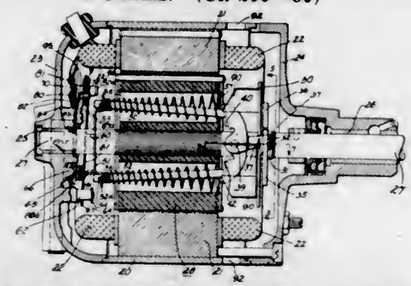
spindle, with means for engaging and disengaging said pulley with said spindle.

1,979,444
ABRASION RESISTING TUBE
William Edward Boyle, Madison, N. J., assignor to Spaulding Fibre Co. Inc., Tonawanda, N. Y., a corporation of New Hampshire
Application July 30, 1932, Serial No. 626,977
4 Claims. (Cl. 173—28)



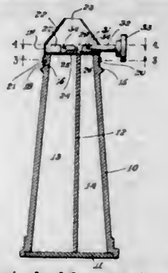
1. An abrasion resisting guard comprising a fabric sheet impregnated with a binder which consists of a phenol-formaldehyde condensation product, said sheet being rolled to provide a tube, said binder causing the tube to resiliently retain its shape, whereby it can be unrolled to enable its application and whereby, when released, it will return to its original shape.

1,979,445
CENTRIFUGAL SWITCH
Zerbe C. Bradford, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 30, 1931, Serial No. 583,906
5 Claims. (Cl. 200—80)



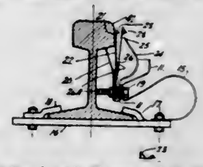
5. In a centrifugal switch, the combination comprising, a movable plate having a contact mounted near one end thereof, a stationary contact in alignment for engagement with the first mentioned contact, a spring urged against one side of the plate and nearer to the end of the plate opposite the contact than to the end near which the contact is mounted, means for slidably mounting the plate so that it is movable in a direction substantially transverse to the plane of the plate to effect engagement and disengagement of the contacts, stops for limiting the movement of the plate effected by the urging force of said spring, and centrifugally actuated means acting upon the plate intermediate the spring and contact for controlling the movement of the plate.

1,979,446
CONDIMENT HOLDER
George D. Burns, St. Albans, N. Y.
Application March 2, 1934, Serial No. 713,635
7 Claims. (Cl. 65—45)



1. A condiment holder embodying therein a container having a partition extending to the plane of the top thereof and dividing it into two separate compartments, a top for said container having converging walls, and a top opening axially of the container, a barrier plate carried by said top and bearing against the top of the container and said partition and having openings therethrough communicating with said compartments respectively, a valve gate slidably mounted upon said barrier plate between said barrier plate and the converging walls of said top, having dimensions to permit the selective exposure of either of the openings in said barrier plate, an actuating stem for said gate passing through said top, and a spring acting upon said gate.

1,979,447
RAILWAY AND TRAMWAY RAIL AND WHEEL FLANGE LUBRICATION
Edwin George Butcher, Wahroonga, New South Wales, and William Edmund Jupe, Eastwood, New South Wales, Australia
Application December 13, 1932, Serial No. 647,030
In Australia July 11, 1932
9 Claims. (Cl. 184—3)

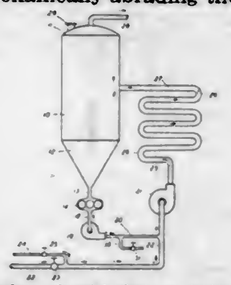


1. A rail and wheel-flange lubricator comprising a lubricant-container of approximately triangular cross-section, a delivery-mouth near the apex of said container fitted with a relatively fixed upper directing-lip and a relatively movable lower lip, a movable tongue supported by said lower lip, a contact member on said tongue, and adjustable resilient mountings adapted to position the apex of said container adjacent to the inner side of a rail-head and said contact member in the line of travel of a wheel-flange.

1,979,448
METHOD OF SWEETENING PETROLEUM PRODUCTS
Hugh Harley Cannon, Los Angeles, Calif., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif., a corporation of California
Application July 21, 1930, Serial No. 469,444
6 Claims. (Cl. 196—33)

1. A method of sweetening sour petroleum oils which comprises: maintaining a flow stream of

sour oil; maintaining a body of sweetened oil in intermixture with a powdered solid sweetening reagent comprising calcium hydroxide and lead monoxide; withdrawing a slurry of said reagent and said sweetened oil from the lower portion of said body; mechanically abrading the surfaces of



the solid particles of said slurry; introducing said slurry into said flow stream; introducing a predetermined proportion of free sulfur into said flow stream; discharging said mixed stream into said body, and withdrawing sweetened oil from the upper portion of said body.

1,979,449

PREPARATION OF ORGANIC ACIDS

Gilbert B. Carpenter, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 28, 1931, Serial No. 519,236

5 Claims. (Cl. 260—116)

1. A process for the preparation of aliphatic organic acids which comprises contacting a compound selected from the group consisting of the monohydroxy aliphatic alcohols, the alkyl ethers and the alkyl esters, with an activated charcoal catalyst in the presence of carbon monoxide at a temperature above approximately 300° C.

1,979,450

PREPARATION OF ORGANIC ACIDS

Gilbert B. Carpenter, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 28, 1931, Serial No. 519,239

18 Claims. (Cl. 260—116)

1. A process for the preparation of aliphatic organic acids which comprises contacting a compound selected from the group consisting of monohydroxy aliphatic alcohols, the alkyl ethers and the alkyl esters, with an activated charcoal catalyst promoted with a compound substantially not reducible under the conditions of operation, the acidity of which is due to the presence of a titratable hydrogen ion, in the presence of carbon monoxide at reacting temperature.

1,979,451

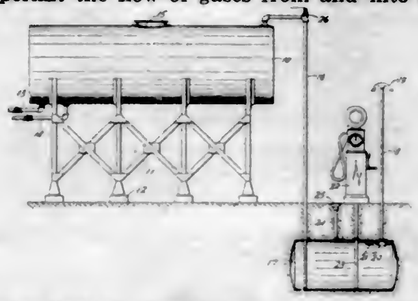
METHOD AND APPARATUS FOR RECOVERY OF CONDENSATES

Kenneth S. Clapp, Cleveland, Ohio

Application July 15, 1933, Serial No. 680,650

5 Claims. (Cl. 220—85)

1. In combination with a storage tank, a vapor recovery unit comprising an underground tank, a conduit connected thereto and with said storage tank at the top thereof, said conduit extending into the underground tank and said extended portion being provided with perforations, a vent for said underground tank and so positioned as to permit the flow of gases from and into said



storage tank to pass through said underground tank, the flow of said gases within said underground tank being retarded by perforations in said conduit.

1,979,452

MAGNESIUM ALLOY

Hugh S. Cooper, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a corporation of New York

No Drawing. Application March 25, 1933, Serial No. 662,835

5 Claims. (Cl. 75—1)

1. Ternary alloy of magnesium, barium, and strontium, containing substantially 5% to 49% barium, 45% to 1% strontium, and the balance magnesium; the magnesium being at least about 50% of the alloy.

1,979,453

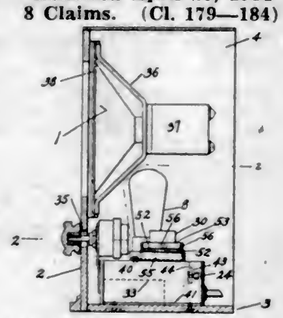
LOUD SPEAKER

William F. Cotter and Marion E. Bond, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application March 23, 1933, Serial No. 662,254

Renewed April 28, 1934

8 Claims. (Cl. 179—184)



1. Apparatus of the class described comprising a casing, a loud speaker therein and devices and connections including a relay and contacts controlled thereby in the casing to enable the loud speaker to be connected to a light or power circuit for signal reception, without risk of damage.

1,979,454

ARMATURE ASSEMBLY MACHINE

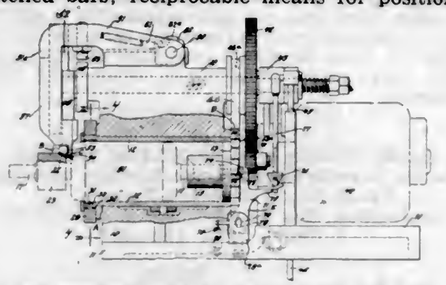
Jasper F. Cullin, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 21, 1930, Serial No. 445,868

Renewed November 19, 1932

35 Claims. (Cl. 29—84)

1. A machine for assembling armature coil leads with commutator bars comprising in combination, means for supporting an assembly of armature core, coils and commutator having notched bars; reciprocable means for position-



ing an armature coil lead in alignment with a commutator bar notch; and reciprocable means for forcing the lead into the notch transversely of the core axis.

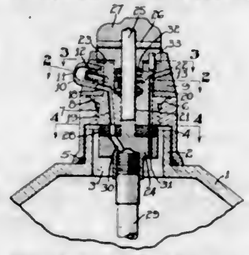
1,979,455

ATOMIZER

Fred Custer and Paul B. Brown, Toledo, Ohio, assignors to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

Application February 2, 1933, Serial No. 654,840

9 Claims. (Cl. 299—89)



9. In an atomizer, a liquid receptacle and a spray head mounted thereon and including a body member and a collar mounted thereon, a spray discharge nozzle carried by the collar and including air and liquid discharge passages, said collar and body cooperating to form an annular air discharge passage surrounding the vertical axis of the body, and having communication at spaced points around the axis with the air discharge passage of the nozzle and with a source of air supply, said body having liquid supply and air vent passages in communication between the interior of the receptacle and the liquid discharge passage of said nozzle and said annular passage, and a valve carried by said body member centrally of said annular passage and operable from without the spray head to control said liquid supply passage.

1,979,456

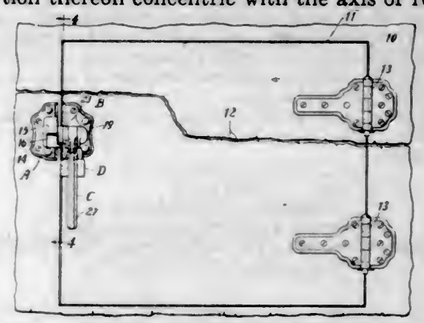
DOORLATCH

Charles E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application May 18, 1932, Serial No. 611,948

2 Claims. (Cl. 292—241)

1. In a door latching mechanism for members having a wall provided with a door opening closed by a single door adapted to swing about a vertical axis, the combination with a slotted keeper fixed to said wall; of an operating member mounted on said door for rotation about a horizontal axis, said member having a keeper engaging portion adapted to engage within the slot of said keeper, said keeper engaging portion being eccentric to the axis of rotation of said member, said member also having a cylindrical bearing portion thereon concentric with the axis of rota-



tion thereof; and a guide flange on said keeper adapted to be engaged by said bearing portion of said member to register the keeper engaging portion thereof with the slot of the keeper.

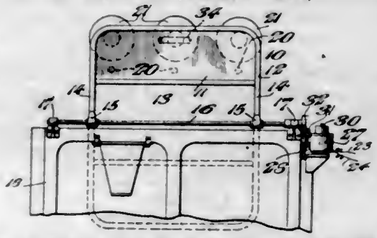
1,979,457

SAFETY GUARD FOR MACHINES

George E. Drum and William H. Jaxheimer, Philadelphia, Pa., assignors to Smith, Drum & Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 28, 1932, Serial No. 589,377

2 Claims. (Cl. 192—133)



1. In a dyeing machine the combination of a material support, relatively movable exposed parts associated with said support, means including an electric circuit for actuating said parts, a switch in said circuit, spring means normally acting to maintain said switch open, a shaft rotatably mounted on said machine, a guard member fixed to said shaft for movement therewith into a position to shield said movable parts, and a cam on the shaft engaging the spring means to close the switch in one position of the guard.

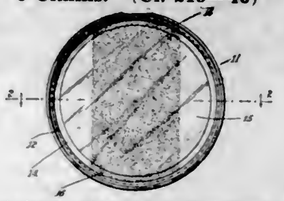
1,979,458

CONTAINER CLOSURE

Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York

Application August 12, 1933, Serial No. 684,786

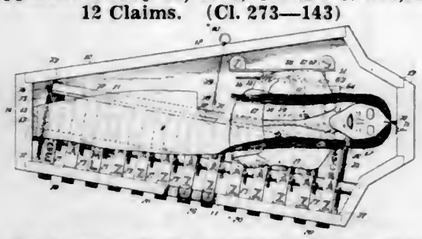
6 Claims. (Cl. 215—43)



1. A container closure embodying therein a shell having a skirt provided with means adapted to engage complementary means upon the neck

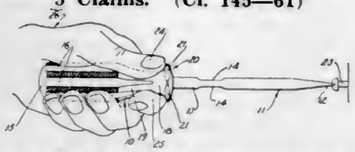
of a container in applying a closure thereto, a cushion disk or sealing gasket within said skirted shell, a disk within said skirted shell for forming an inner seal, and an air excluding stratum of non-volatile and non-tacky fluid between said inner seal disk and said cushion disk or sealing gasket, whereby accidental escape of said inner seal disk from the shell is prevented and relative movement and separation of said cushion disk or sealing gasket and said inner seal disk are facilitated.

1,979,459
GAME APPARATUS
Barrett F. Finn, Chicago, Ill.
Application May 22, 1933, Serial No. 672,142
12 Claims. (Cl. 273—143)



1. In a game device of the kind described, a housing providing a plurality of apertures arranged in spaced apart relation, means mounted in the housing providing a plurality of letters of the alphabet normally invisible through the apertures, said means operable by the players to successively expose letters to view by selectively bringing them into registry with said apertures in proper sequence to spell out a word and spring means operatively related to said operable means and adapted to yield to permit movement of said operable means from its position of invisibility of said letters and to actuate said operable means to return it to its original position of invisibility of its letters.

1,979,460
SCREW DRIVER
Harold S. Forsberg, Stratford, Conn.
Application January 29, 1932, Serial No. 589,606
5 Claims. (Cl. 145—61)



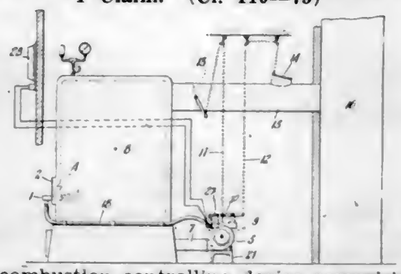
1. In a screw driver, a cross sectionally circular blade, a handle receiving one end portion of said blade, the other end portion of said blade shaped to provide a bit, said handle enlarged at its inner end to provide a shoulder, and said blade having a portion inwardly of said shoulder flatted for engagement by a turning tool.

1,979,461
SHOE STRUCTURE
Ralph B. Frazier, Norristown, Pa., assignor to Carbide & Carbon Chemicals Corporation, a corporation of New York
Application March 16, 1932, Serial No. 599,318
10 Claims. (Cl. 36—77)



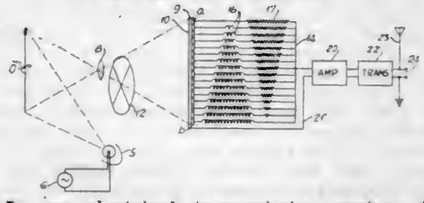
1. A shoe having a resilient box-toe comprising an absorbent sheet material impregnated with a composition which contains a substantial proportion of a vinyl resin selected from the group consisting of polymerization products of vinyl halides, vinyl benzene and mixtures of a plurality of polymerizable substances at least one of which is from the group consisting of vinyl halides, vinyl esters of aliphatic acids, and vinyl benzene.

1,979,462
COMBUSTION CONTROLLING DEVICE
Charles Francis Gardner, Weehawken, and Emil Ewald Brass, Highland Park, N. J.
Application May 27, 1931, Serial No. 540,406
1 Claim. (Cl. 110—75)



A combustion controlling device comprising a secondary air inlet adapted to admit secondary air under pressure to the furnace, means for controlling the quantity of pressure air passing through the inlet and a flap valve for automatically admitting atmospheric air through said air inlet to the furnace when the flow of secondary pressure air is stopped.

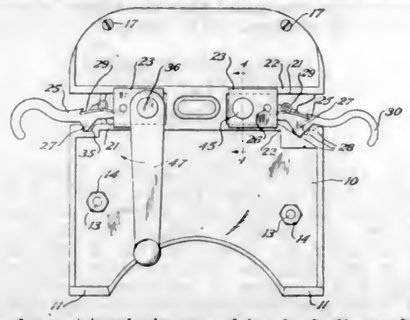
1,979,463
TELEVISION SYSTEM
Irl R. Goshaw, Nutley, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application May 11, 1932, Serial No. 610,546
7 Claims. (Cl. 178—6)



1. In an electrical transmission system for transmitting currents characterized by the light and shade intensities of an object, the combination of means for simultaneously obtaining a plurality of currents proportional to the light intensities of unit areas of an image, electrical delay networks for distributing said currents in a transmission line in a serial order, and electrical delay networks for impressing said currents upon a plurality of light producing devices simultaneously.

1,979,464
STEAK SLICING AND DICING MACHINE
Albert J. Gurney, Canton, Ohio, assignor to The American Mine Door Company, Canton, Ohio, a corporation of Ohio
Application July 30, 1932, Serial No. 626,274
13 Claims. (Cl. 17—26)

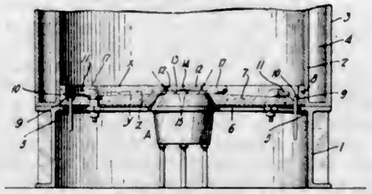
4. A meat tendering machine including a spaced plurality of disk knives, a corrugated roll located adjacent to the knives, there being kerfs in the high points only of said corrugated roll to receive said knives, means for rotating said roll, and means for rotating said knives more rapidly than the roll and in the opposite direction, to tender a slice of meat passed therebetween.



8. A meat tendering machine including a frame comprising a pair of spaced side members each having a guide slot opening through one edge thereof, a bearing block slidably mounted in each guide slot and removable through the end of the slot, each block having a bearing opening therein, a shaft journaled in the bearing openings of said bearing blocks and removable endwise therefrom, meat tendering means fixed upon the shaft, a gear removably and rotatably mounted upon the shaft between the bearing blocks, and an eccentric stud upon the meat tendering means engaging an eccentric aperture in said gear.

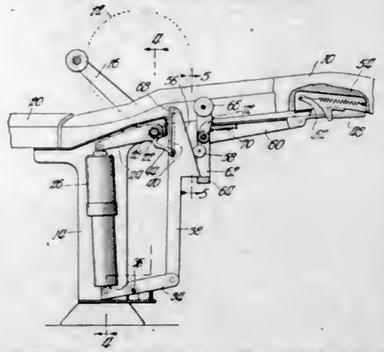
10. A meat tendering machine including a frame comprising a pair of spaced side members each having a guide slot opening through one edge thereof, a bearing block slidably mounted in each guide slot, a shaft journaled in said bearing blocks and removable endwise therefrom, a stop lever upon each bearing block, an adjusting block upon each side member having a series of faces for selective engagement by said stop lever, and meat tendering means carried by said shaft.

1,979,465
OIL BURNING APPARATUS
Forrest A. Heath, Upper Montclair, N. J.
Application February 10, 1928, Serial No. 253,270
Renewed December 5, 1930
23 Claims. (Cl. 158—4)



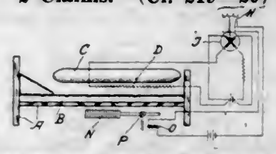
9. Apparatus of the class described, including a fire box, a refractory hearth closing in the bottom thereof, and a centrifugal oil and air projector discharging horizontally above the hearth, said projector and hearth being of the type designed and operating to initiate combustion adjacent the periphery of the hearth; said hearth having adjacent its periphery an upwardly extending, refractory ignition wall of a height sufficient to intercept substantially all of the oil projected by the projecting means and having a peripheral oil collecting gutter; in combination with a continuously burning pilot light maintained by a nozzle projecting upwardly adjacent said wall and an ignition torch located nearer the center and adapted to discharge in a direction to be ignited by said pilot light when the gas is turned on and to discharge obliquely along said wall.

1,979,466
BOWLING BALL BRAKE OR RETARDER
Ernest Hedenskoog, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1930, Serial No. 464,802
21 Claims. (Cl. 273—47)



1. A bowling ball brake, including a fixed runway for the balls, a retarder pivoted on said runway, engageable by a ball on the runway, for retarding the movement of the ball and later releasing the same, a dash-pot for controlling the retarder, and an auxiliary retarder, also on the runway, positioned in advance of the first retarder, controlled by the same dash-pot and a combined link and latch connecting the auxiliary retarder with the first retarder.

1,979,467
TEMPERATURE REGULATING DEVICE FOR BEDS OR BEDROOMS
Fritz Hellmuth, Berlin-Karlshorst, Germany
Application January 28, 1932, Serial No. 589,465
In Germany June 27, 1929
2 Claims. (Cl. 219—20)

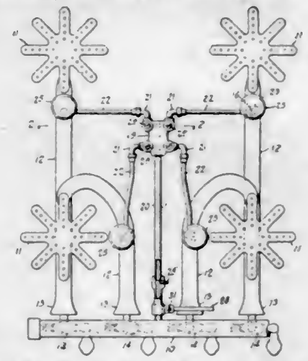


1. In an arrangement for holding a sleeper automatically at a hygienic sleeping temperature, a bedstead covering adapted closely to cover the body of the sleeper, a temperature-responsive device consisting of a wire the resistance of which changes according to its temperature and largely disposed throughout the area of said bedstead covering so as to be responsive to the average temperature of the body area of the sleeper, an electric circuit containing said resistance, an instrument for measuring the current in said circuit and indicating the average body temperature, temperature-varying elements located in the bedroom in heat transfer relationship to the bedstead, means for regulating said temperature-varying elements and controlled by the said measuring instrument to maintain the temperature in the vicinity of the sleeper's body within narrow limits above and below the normal temperature of the human body.

1,979,468
DEVICE FOR RELIGHTING GAS RANGES
Maximillian P. Janisch, Milwaukee, Wis., assignor of one-half to Bride Janisch, Milwaukee, Wis.
Application February 24, 1931, Serial No. 517,883
4 Claims. (Cl. 158—115)

1. In a gas range the combination of a main burner, an auxiliary igniting burner, and a gas

supply pipe for both, all removable as a unit from the range, a pilot burner for igniting said auxiliary burner, a movable carrier for said pilot burner operable to place the latter in operative position adjacent said auxiliary burner, said carrier having means for supplying gas to said pilot

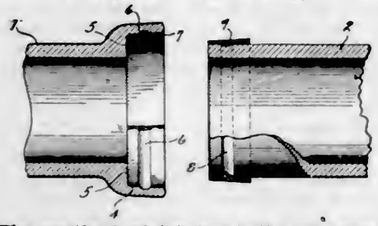


burner, and a hood on said carrier for shielding both said auxiliary burner and said pilot burner when the latter is positioned adjacent the former, said carrier being movable to withdraw said pilot burner and said hood from said auxiliary burner to thereby provide ample clearance for ready removal of said main burner from the range.

1,979,469
STABILIZATION OF SUSPENSIONS
Alfred Julius Johnson, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 23, 1931, Serial No. 510,773
16 Claims. (Cl. 8—6)

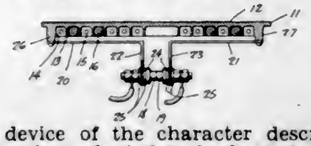
1. A composition of matter consisting of a dye, water and cellulose sodium glycollate in an amount less than 1%.

1,979,470
METHOD OF JOINING BELL AND SPIGOT PIPE SECTIONS
James C. Johnston, Seattle, Wash., assignor to Gladding McBean & Company, a corporation of California
Application May 10, 1930, Serial No. 451,275
2 Claims. (Cl. 18—59)



1. The method of joining bell and spigot pipe sections consisting of molding a collar of soluble joint sealing material about the spigot end of one section, molding a lining band of like material within the bell end of another section within which the collar equipped end of the first section may be fitted, then applying an evaporable solvent to the surfaces of the collar and lining band to render them plastic and subsequently fitting them together to cause said plastic surfaces to unite and congeal incident to evaporation of the solvent therefrom, thereby joining the collar and lining band in a homogeneous seal.

1,979,471
ELECTRIC HEATER
Otto A. Knopp, Oakland, Calif.
Application May 26, 1930, Serial No. 455,885
In Germany May 27, 1929
2 Claims. (Cl. 219—37)



1. In a device of the character described, a metallic member adapted to be heated, a heating element therefor, a pair of bars having a low coefficient of expansion, placed below the metallic member, a contact carried at one end of each of the bars, the two contacts cooperating to control the degree of energization of the element, said bars being fastened to the metallic member, at those ends which are opposite the contacts.

1,979,472
METHOD OF AND APPARATUS FOR DRAWING SHEET METAL
George L. Kelley, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 18, 1931, Serial No. 523,444
5 Claims. (Cl. 153—25)

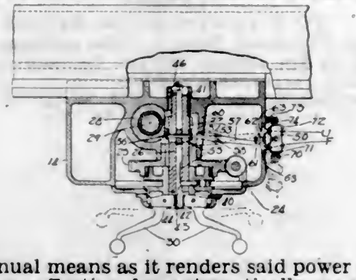


1. The method of forming a continuous flange on an interior substantially square corner of a substantially flat metal sheet which consists in first cutting out the sheet to leave ample metal to form the corner flange, then holding down the sheet outwardly and on both sides of said corner, and engaging the metal of the sheet by a drawing tool having the contour of the corner to be formed inwardly of the final corner to be formed and drawing it from both sides toward the corner and downwardly to the depth of the draw.

4. Apparatus for forming a continuous flange on an interior substantially square corner of a substantially flat metal sheet comprising peripheral hold down dies adapted to clamp a blank, a female die having an opening with a corner contoured to the contour of the flanged corner to be formed, a male die having a corresponding contour, and movable downwardly and outwardly into mating relation with the corner of the female die, whereby it first engages the metal of a blank inwardly of the corner and draws it from regions remote from the corner toward the corner in its subsequent movement.

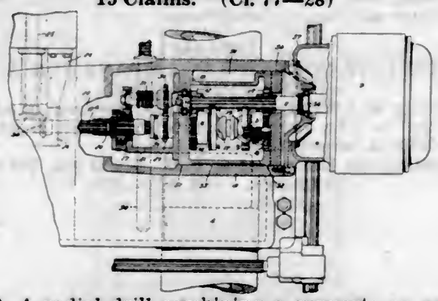
1,979,473
COLUMN CLAMP AND POWER FEED INTERLOCK
David C. Klausmeyer, deceased, late of Cincinnati, Ohio, by H. Henry Sundermann, executor, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application March 11, 1930, Serial No. 435,002
20 Claims. (Cl. 77—28)

16. A machine tool combining a support; a member adjustable thereon; means for securing said member to said support; reversible power means controlled from an electric switch device for actuating said securing means; an element translatably carried by said member; power means for feeding said element; manual means for electively rendering said power feeding means effective or ineffective; and means actuated by



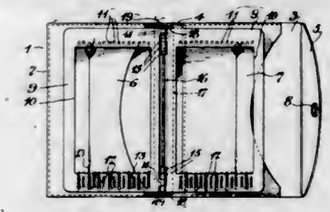
said manual means as it renders said power feeding means effective for automatically operating said switch to cause said securing means to become effective, and to reverse the first named power means thereby to release said securing means when said power means is made ineffective.

1,979,474
CARTRIDGE TYPE DRIVE GEAR ASSEMBLY
David C. Klausmeyer, deceased, late of Cincinnati, Ohio, by H. Henry Sundermann, executor, Cincinnati, Ohio, and Thomas L. Gibson, Cincinnati, Ohio, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application July 7, 1931, Serial No. 549,255
15 Claims. (Cl. 77—28)



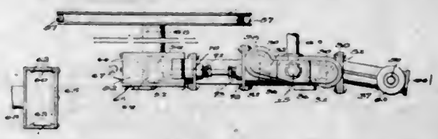
2. A radial drill combining a support; an arm having a girdle portion surrounding said support and provided at one side with an integrally formed housing affording a horizontally disposed cylindrical bore, said arm also comprising a radially projecting portion substantially rectangular in cross-section; an intermediate horizontally disposed wall connecting the forward and rearward walls of said substantially rectangular arm and forming, between itself and the upper wall of the arm, a horizontally disposed chamber which connects at one end with said cylindrical bore; a tool head mounted on said arm; a spindle in said tool head; an arm shaft journaled in said arm and extending lengthwise through said chamber; a driving connection between said arm shaft and said spindle including a shaft journaled in said tool head and extending through a relatively narrow slot in the upper wall of said arm above said chamber, and gear connections between the last mentioned shaft and said arm shaft located within said chamber; a driving motor secured to said arm adjacent the rearward end of said cylindrical bore and having its shaft projecting into said bore, and a driving unit removably secured within said cylindrical bore and forming a driving connection between said motor and said arm shaft.

1,979,475
FLY BOOK
Walter L. Knettles, Groton, N. Y.
Application June 24, 1931, Serial No. 546,492
2 Claims. (Cl. 281—19)



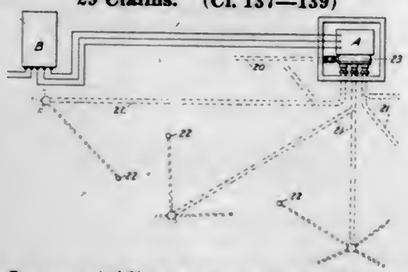
2. In a book including a cover and enclosed leaves, a hinge structure anchoring together the leaves in a detachable unit and having supporting projections at the upper and lower ends of the unit; and a mounting for the hinge structure comprising a slightly flexible, resilient strip extending vertically along the back portion of the book cover and secured thereto and having forwardly extending ears at its opposite ends provided with retaining recesses to receive said supporting projections of the hinge structure to hold the hinge structure in operative position, said strip being bent transversely along its length between said ears to stiffen it, and the ears having junctures with the strip conforming to the transverse bend of the strip to stiffen the junctures, the strip being flexible along its length between the ears by outward pressure upon either ear to thereby permit outward displacement of the ear for insertion of said supporting projections into said retaining recesses and removal of said projections therefrom, the strip being adapted by its resilience to restore the displaced ear to normal position, and the retaining recesses and supporting projections being mutually formed to cooperate for reception of the supporting projections interchangeably by the recesses, to permit of endwise reversal of the hinge structure and leaves in the book.

1,979,476
PUMP
Le Roy H. Labaw, Bellemead, N. J.
Application March 30, 1931, Serial No. 526,521
8 Claims. (Cl. 103—175)



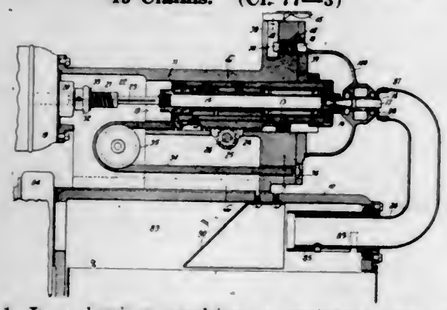
6. In a die cast pump, the combination with a pump cylinder and a piston therefor, of an inlet and discharge chamber disposed on opposite sides of said cylinder and commensurate in length therewith, the axes of said chambers being at an oblique angle to the cylinder axis, a pair of axially aligned valve ports located at opposite ends of the cylinder and in the adjacent cylinder and chamber walls, one pair of said valve ports being offset from the cylinder axis and the other pair of said valve ports being located substantially at the intersection of said cylinder and chamber axes, removable valve units for each pair of valve ports, and a removable cover for one of the chambers, whereby access may be had to the valve units without removing the piston from the pump cylinder.

1,979,477
SPRINKLING SYSTEM
George H. Leland, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application May 23, 1932, Serial No. 612,949
29 Claims. (Cl. 137—139)



3. In a sprinkling system or the like, a supply pipe, a plurality of branch pipes, a multi-port valve to connect said branch pipes successively with said supply pipe, a motor to operate said valve, a controlling device driven by said motor and having means to interrupt the operation of said valve by said motor when said valve has been moved to a position to connect one of said branch pipes with said supply pipe, and means to cause said motor to move said controlling device to a position to cause said valve to be again actuated by said motor.

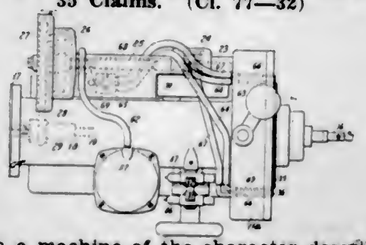
1,979,478
BORING MACHINE
George H. Leland, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application July 11, 1932, Serial No. 621,941
49 Claims. (Cl. 77—3)



1. In a boring machine, a reciprocatory carriage, a cutter carried by said carriage, a shaft journaled on said carriage and connected with said cutter, an electric motor having a driving connection with said shaft, actuating mechanism for said carriage connected with said motor and including a magnetic clutch, a work support comprising a magnetic chuck, a work controlled switch mounted adjacent to said work support to prevent the operation of said motor and said magnetic clutch until the work is properly positioned on said work support, means controlled in accordance with the movement of said carriage to interrupt the operation of said motor and to de-energize said clutch and said chuck, and means to retract said carriage.

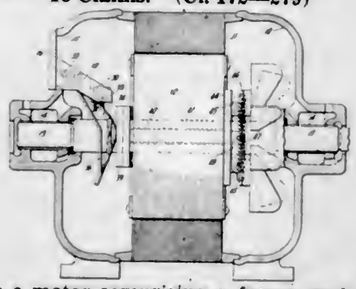
10. In a boring machine comprising a cutter, a motor, means driven by said motor to actuate said cutter, and means for supporting an article having an opening which is to be enlarged with said opening in line with said cutter, a chip remover comprising a conduit having its intake end movable into and out of a position adjacent to and in line with the opening in said article and into sealing engagement with said article about the opening therein, and means for causing the chips to move through said conduit.

1,979,479
TOOL CONTROLLING DEVICE
George H. Leland, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application November 14, 1932, Serial No. 642,545
35 Claims. (Cl. 77—32)



1. In a machine of the character described, a tool, electrically operated means to control the operation of said tool, a switch in circuit with said electrically operated means, a switch actuating device comprising a vacuum chamber and a flexible diaphragm therein, means for connecting said diaphragm with said switch, a work support having a port arranged to be closed by the work when the latter is properly positioned on said work support, conduits leading from said vacuum chamber and said port and merging into a single passageway, and a suction creating device connected with said passageway.

1,979,480
CIRCUIT CONTROLLING MEANS FOR AN INDUCTION MOTOR
George H. Leland, Dayton, Ohio, assignor, of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application December 9, 1933, Serial No. 701,627
18 Claims. (Cl. 172—279)



1. In a motor comprising a frame, and a rotor having a shaft journaled in said frame, a terminal block removably mounted in said frame, a switch carried by said terminal block, a switch actuating device slidably mounted on said shaft, and a centrifugal device mounted for rotation with said rotor and operatively connected with said switch actuating device.

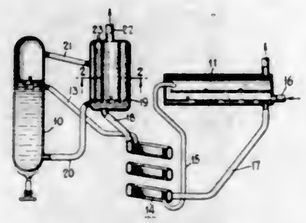
1,979,481
DEVICE FOR INDICATING INCLINATION
Theodore L. Lynch, Huntington Park, Harry L. Rilling, Long Beach, and Howard A. Redfield, Alhambra, Calif.; said Redfield assignor to Harry R. Staples, Los Angeles, Calif.
Application June 21, 1930, Serial No. 462,786
12 Claims. (Cl. 255—1)

12. An apparatus for indicating deviation of a well bore from the vertical comprising: sound producing means; means for locking said sound producing means against operation; and gravity



controlled means for releasing said locking means; and hydraulic means operable from the surface to actuate said sound producing means.

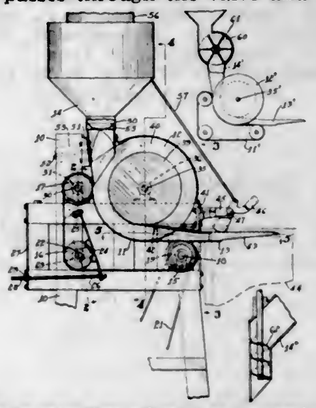
1,979,482
ABSORPTION REFRIGERATING APPARATUS
Peter Köhler, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1931, Serial No. 521,989
In Germany October 25, 1930
12 Claims. (Cl. 62—119.5)



4. In refrigerating apparatus of the absorption type, raising enriched absorption liquid from the absorber by capillary attraction to a surface contacted by vapor from the generator.

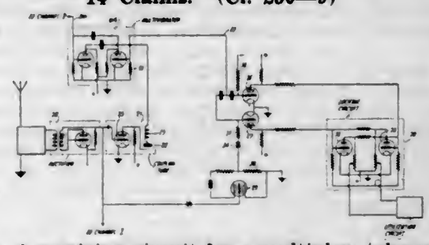
1,979,483
BAG FILLING APPARATUS
Esli A. Marsh, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application January 16, 1932, Serial No. 586,992
5 Claims. (Cl. 226—48)

1. In filling apparatus, an endless belt, means for driving the upper run of the belt through a path curving from a downward direction to a more horizontal direction, means to deliver a stream of material to the upper end of said curve, means to support a valve bag with its valve in position to receive material delivered tangentially from the lower end of said curve through said valve, and means forming a channel about said stream from the time it strikes the belt until it is within the bag, the cross section of said channel being least where it passes through the valve and being at



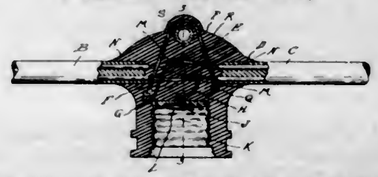
all points larger than the stream passing therethrough.

1,979,484
COMMUNICATION SYSTEM
Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 13, 1932, Serial No. 604,927
14 Claims. (Cl. 250—9)



2. A receiving circuit for a multiplex, telegraph system comprising an antenna, a rectifying system coupled thereto and having an output circuit, two electron discharge devices normally biased above cut-off associated with said output circuit, said devices being arranged to become temporarily biased below cut-off upon the flow of signal current in said rectifying system, an impulse distributor circuit, one of said devices being arranged to control said distributor, means for reproducing the signal, said distributor and said other device being arranged to control said last means.

1,979,485
RUBBER SAFETY SOCKET
Lloyd J. McPartlin and Henry V. Harding, Detroit, Mich.
Application April 16, 1930, Serial No. 444,709
6 Claims. (Cl. 173—358)



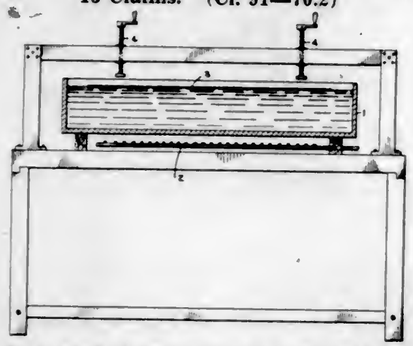
2. In combination, a lamp socket, yieldable insulating means surrounding said socket and including a bore, and inextensible means, substantially co-planar with the longitudinal axis of said socket, at least partially encircling said bore and imbedded in the insulating means.

1,979,486

METHOD OF COATING METALLIC OBJECTS

Myron L. Myers, Elizabeth, N. J., assignor to United Dry Docks, Incorporated, New York, N. Y., a corporation of New York

Application January 27, 1931, Serial No. 511,503
15 Claims. (Cl. 91—70.2)



1. In a method of coating metallic objects the steps comprising heating the coating material to a liquid state, heating the object to be coated by the heat of the liquid coating material, holding the object immersed in the coating material, and cooling the coating material while the object is immersed therein.

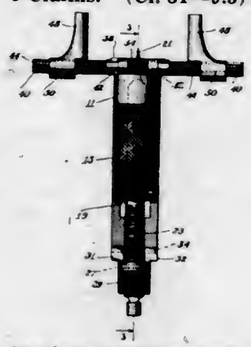
14. In a method for coating a flat flexible metallic sheet susceptible of buckling from uneven distribution of temperature wherein the sheet either will not take a coating without the use of a flux, or has been treated to prevent adhesion of molten metal employed to raise its temperature, the step of uniformly heating such sheet without buckling comprising reducing a metal to a molten state, and disposing the sheet flatwise upon the surface of the molten metal for uniformly heating the sheet so as to prevent warping or buckling thereof.

1,979,487

CABLE CUTTING AND STRIPPING TOOL

John A. Pedersen, Brooklyn, N. Y., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey

Application October 21, 1932, Serial No. 638,909
3 Claims. (Cl. 81—9.5)



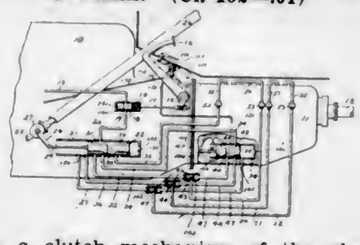
1. A cable insulation cutting tool comprising a handle, a pair of movable positioning guides, oppositely extending guide rods therefor carried by said handle, a cutter element having a knife edge therebetween and movable in the handle to vary the depth and direction of cut, means for moving said guides toward and from each other while maintaining them equally distant from the cutter element, said means comprising a single guide shifter associated with both of said guides, and bearing means for said guide shifter carried by said handle and offset from said cutter element to provide clearance for said knife edge.

1,979,488

AUTOMATIC PNEUMATIC GEAR SHIFT

Horacio E. Pérez, New York, N. Y.

Application April 8, 1932, Serial No. 603,974
9 Claims. (Cl. 192—.01)



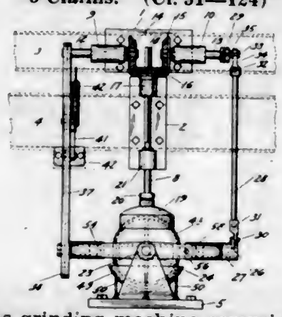
1. In a clutch mechanism of the class described; a gear casing; a series of constant-mesh gear-sets contained in said gear casing; a pneumatic clutch associated with each of said gear-sets; means, actuated by the brake pedal of the vehicle on which the mechanism is employed, for connecting said clutches with a source of compressed air; a governor actuatable by each of said gear-sets; and automatic means for successively disengaging one clutch and engaging another, higher-speed clutch, as the speed of the governor increases.

1,979,489

LENS GRINDING MACHINE

William Charles Priest, Davenport, Iowa

Application December 31, 1930, Serial No. 505,728
5 Claims. (Cl. 51—124)



1. A lens grinding machine comprising a support, a ring pivoted thereon to rock with relation to said support, a shaft rotatably carried by said ring, the same being diametrically mounted therein, means for rocking said ring, means for rotating said shaft, a lens-blank support carried by said shaft and partaking of said motions, a grinding lap carried in proximity to said blank support and cooperating therewith in the grinding of lenses, and means for causing rotary movement of said lap.

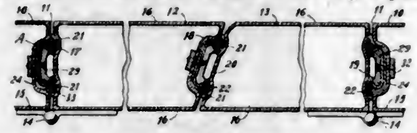
1,979,490

INSULATING MEANS

William E. Robertson, Wilmette, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application June 6, 1932, Serial No. 615,527
5 Claims. (Cl. 189—65)

1. In means for insulating closures of containers, the combination with a closure member having an edge face; of a member having an edge face opposed to the edge face of the closure member when the container is closed, the edge face of one of said members having a single groove extending lengthwise thereof, and the opposed edge face of the other member having a pair of



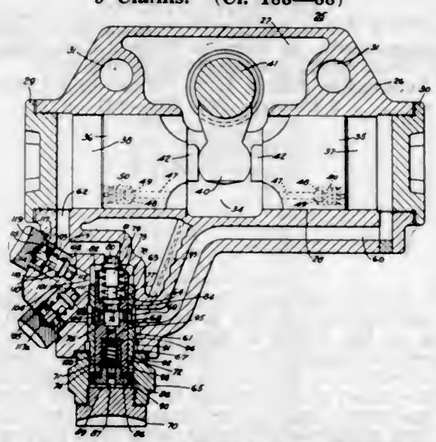
laterally spaced shallow grooves extending lengthwise thereof; and a strip of insulating material clamped in said single groove, said strip having beads at the opposite side edges thereof projecting beyond the member having the single groove and said beads engaging within the grooves of the edge face of the other member.

1,979,491

SHOCK ABSORBER

Edwin F. Rossman, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 22, 1932, Serial No. 629,772
9 Claims. (Cl. 188—88)



1. An hydraulic shock absorber comprising, in combination, means adapted to circulate fluid in two directions in said shock absorber; means adapted to control said fluid circulation in both directions, said means including a member movable by the pressure of the fluid flow in one direction for increasing the control of said means to the fluid flow in the other direction; and means carried by said member for regulating the fluid flow that moves said member.

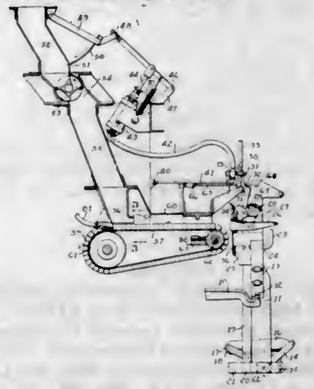
1,979,492

METHOD OF AND APPARATUS FOR FILLING BAGS WITH POWDERED OR GRANULAR PRODUCTS

John Russell, Sydney, New South Wales, Australia, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application February 7, 1931, Serial No. 514,095
In Australia March 17, 1930
8 Claims. (Cl. 226—48)

2. A bag filler having a boot, a chute leading downwardly from a hopper to the boot, a valve in said chute adapted for controlling flow of feed therethrough, a bag supporter carried on a scale beam, a self locking toggle linkage connecting said bag supporter with the machine frame, a valve with pressure air service thereto adapted to be operated by the toggle movement and connected with pneumatic device which controls said chute valve, said air valve adapted to cause closing of the chute valve, when the bag supporter descends, and adapted also to cause opening of the chute valve when the bag supporter is at its high position.



5. A self-acting bag bottom elevating arrangement for relieving distension tension on the sides of a bag undergoing filling, consisting of a pair of tilting pillows in the lower part of a support frame in which the bag is accommodated, said pillows adapted to be tilted as the bag descends and in their tilting movement to raise the bag bottom.

6. A valve bag filling machine comprising a belt having a horizontally disposed portion, means for delivering a stream of granular material to the horizontally disposed portion of the belt, and a filling tube smaller in cross section than is said stream at the point it starts on said belt and adapted to enter the valve of a valve bag and disposed substantially in alignment with the movement of material on said belt, and means for driving the belt fast enough to attenuate said stream to a cross section not greater than that of said tube.

1,979,493

DENTAL IMPRESSION FORM

Salvatore R. Salvio, New York, N. Y.

Application November 13, 1930, Serial No. 495,494
5 Claims. (Cl. 32—19)



3. An impression holder comprising spaced side plates for holding material for taking meeting impressions of the upper and lower sets of teeth, a thin impression retaining metal plate, said plate constituting the sole connecting means of the side plates and adapted to be deformed by the teeth in taking an impression and to retain such deformation.

1,979,494

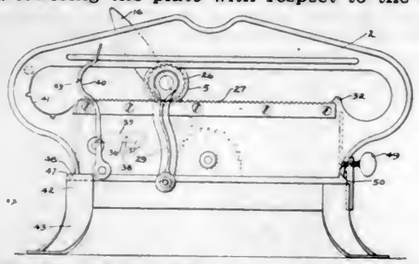
MEAT-TENDERING MACHINE

Frank W. Sanford and Frank G. Marbach, Cleveland, Ohio, assignors, by direct and mesne assignments, to Katherine Gund, Cleveland, Ohio

Application November 15, 1932, Serial No. 642,730
7 Claims. (Cl. 17—27)

1. In a meat-tendering device, a housing having oppositely disposed guide slots, a macerating roll mounted for rotary movement in said slots,

a bed plate beneath said roll, means for elevating and lowering the plate with respect to the roll,

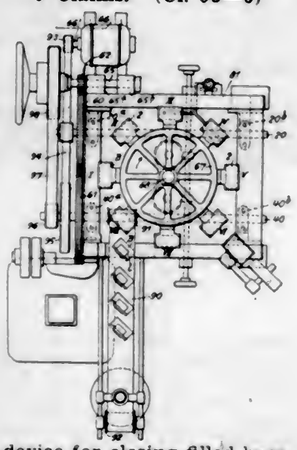


means for rotating the roll, a guide pocket at one end of said slots, and means for lowering the roll into said pocket.

1,979,495
PROCESS FOR THE MANUFACTURE OF VARNISHES AND THE LIKE
Johannes Scheiber, Leipzig, Germany
No Drawing. Application February 7, 1929, Serial No. 338,319. In Germany July 30, 1928
4 Claims. (Cl. 134—26)

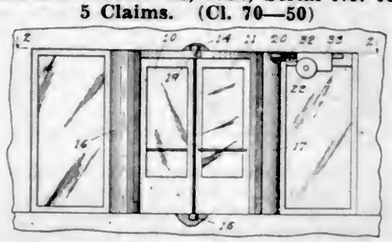
1. The step of the herein described method which consists in distilling castor-oil acid in vacuo until the residue is 30 to 20 per cent of the original weight of the castor oil acid and then heating such residue of still liquid and soluble character with an aliphatic polyhydric alcohol.

1,979,496
DEVICE FOR CLOSING FILLED BAGS
Gustav Schilbach, Cannstatt, Germany, assignor to firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany
Application August 26, 1933, Serial No. 686,955
In Germany August 26, 1932
9 Claims. (Cl. 93—6)



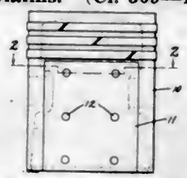
1. In a device for closing filled bags, means to fold up flat the empty end of the bag projecting beyond the filled portion thereof, an angularly recessed abutment and a folding member cooperating with the same laterally to bend off the flattened end of the bag at a point near its lower third by folding, means to cause the bent-off end to bear at an angle partly against the upstanding third at the bottom thereof and partly against the top surface of the filled portion of the bag, and means to press the upstanding portion over the portion bearing against the top surface of the filled portion of the bag.

1,979,497
LOCK FOR DOOR TRAPS AND THE LIKE
Simon Schneider and David F. Murphy, Oakland, Calif.
Application October 24, 1932, Serial No. 639,245
5 Claims. (Cl. 70—50)



2. An electrically actuated lock comprising a solenoid provided with a core, a latch bolt slidably mounted in transverse relation to said core and movable across the core, a link pivotally connected to said core and to said latch bolt at its opposite ends, and having sliding movement relative to said latch bolt being resiliently urged to locking position.

1,979,498
COMPOSITE PISTON
Charles R. Short, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 8, 1929, Serial No. 376,548
3 Claims. (Cl. 309—14)



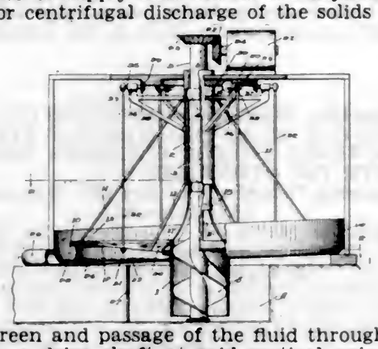
1. A self-lubricating composite piston capable of self-lubrication for a substantial period of time in the event of failure of the oil supply thereto, comprising: a cast main body portion of aluminum or aluminum alloy and a lubricant-impregnated porous bronze bearing plate bonded to the piston skirt by an intervening thin layer of zinc molecularly alloyed with both said skirt and bearing plate, whereby to provide a continuous molecularly unbroken heat-conducting path between said main body and bearing plate throughout their contacting areas.

1,979,499
VULCANIZATION OF CAOUTCHOUC
Allon Skipsey, St. Albans, England
No Drawing. Application August 23, 1933, Serial No. 686,370. In Great Britain September 8, 1932
14 Claims. (Cl. 18—53)

1. The process of vulcanizing rubber and rubber compounds in which a vulcanizing agent is used consisting of a combination of a phosphorus sulphide, a base and free sulphur, with or without the addition of oil as a vehicle.

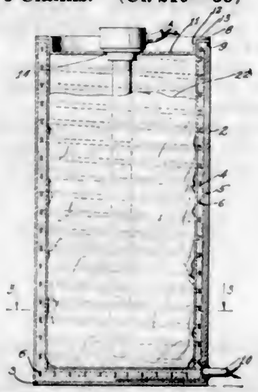
1,979,500
SEPARATOR
John G. Sniffin, Huntington Park, Calif., assignor of one-half to John W. McLaughlin, Whittier, Calif.
Application December 15, 1930, Serial No. 502,279
11 Claims. (Cl. 209—271)

1. A separator comprising a supporting screen adapted for rotation on a vertical axis, a rotatable spiral conveyor having its axis concentric with the vertical axis of the screen and adapted to elevate mixed solids and fluid from a source of supply onto the screen adjacent its axis for centrifugal discharge of the solids from



the screen and passage of the fluid through the screen, a drive shaft at said vertical axis, and means for rotating both the screen and the conveyor by said drive shaft.

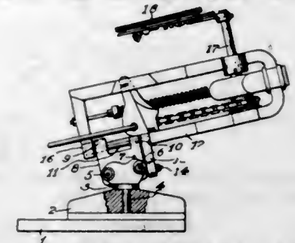
1,979,501
COOKING DEVICE
Samuel Stepkin, Los Angeles, Calif., assignor to Samuel Bloomfield
Application December 3, 1930, Serial No. 499,627
5 Claims. (Cl. 219—35)



1. A cooker adapted to hold food bulk, comprising an elongated casing, electrical heating elements throughout the length of said casing, a cap for said casing, and a penetrator for the food bulk constituting a central electrical heating element depending from said cap and longitudinally of said casing.

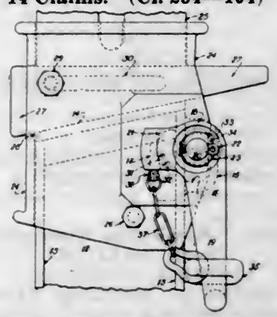
1,979,502
TARGET TRAP
Willis J. Sutcliffe, Waterloo, Iowa
Application January 25, 1933, Serial No. 653,381
1 Claim. (Cl. 124—3)

In a target carrying and delivering apparatus, in combination, a relatively fixed body having a vertically hollowed seat, a horizontally rockable basal support having a depending central spindle mounted in said seat, a U-shaped frame spaced above said basal support and having on its lower member a transversely arranged fixed hanger provided with an arcuate transverse slot in its lower part, the upper portion of said basal support being vertically flattened diametrically, the lower member of said U-shaped frame having a part adjacent to said hanger diminished to be a pintle, a plate longitudinaly apertured at its upper end to be dependingly swingingly hung on said pintle, the forward edge of said plate having a fixed and threaded pin therein traversing the slot in said hanger, means on said pin for adjustably securing the hanger to said plate to permit said frame to swing laterally adjustably, the rear end of said plate having a pivotal connection to the flattened part of said basal



support to permit the plate and said frame to swing vertically thereon, the forward part of said plate having a slot curved radially relative to said pivotal connection, a bolt loosely traversing said plate and the said latter slot, and fastening means adjustably mounted on said bolt to secure the plate on the basal support in a desired position of upwardly tilted adjustment.

1,979,503
PIT PROP
Walter Sylvester, Tunstall, England
Application January 12, 1933, Serial No. 651,343
In Great Britain January 23, 1932
14 Claims. (Cl. 254—104)

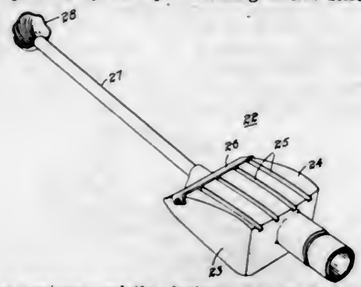


1. A pit prop comprising a post, a casing or helmet loosely fitted on the upper end of the post and having an opening on one side large enough for the end of the post to pass through laterally, a wedge passing through the casing and over the upper end of the post with its smaller end nearer the said opening and locking means across the said opening for retaining the post within the casing.

1,979,504
NOZZLE
Theodore Tafel, Jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey
Application October 16, 1931, Serial No. 569,213
13 Claims. (Cl. 141—9)

9. A double function nozzle for washing machines and the like comprising a liquid confining head having at least one elongated aperture formed in the wall thereof for directing a wide, substantially consolidated, impelling jet onto objects to be washed and for propelling the same, and having a second aperture formed in the wall thereof for simultaneously delivering a broken jet or spray of li[illegible]id onto the objects to

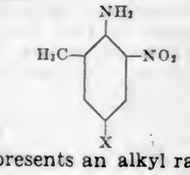
be washed, whereby such objects to be washed are propelled by the jet issuing from said elon-



gated aperture while being sprayed by liquid issuing from said second aperture.

1,979,505
COLORING
Sidney Thornley, Grangemouth, Scotland, and Alfred Yeoman Twemlow, Moston, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 22, 1931, Serial No. 532,116. In Great Britain April 28, 1930
17 Claims. (Cl. 8—5)

5. The process which comprises dyeing cellulose esters or ethers with a compound having the probable formula

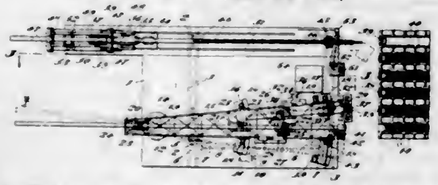


wherein X represents an alkyl radical or a halogen atom.

1,979,506
METHOD OF MAKING GETTER MATERIAL
Stanton Umbreit, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application September 1, 1932, Serial No. 631,366
3 Claims. (Cl. 75—1)

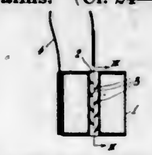
1. The method of preparing getter material containing substantially equal amounts of barium and aluminum, which consists in melting the aluminum in an atmosphere of an inert gas, allowing the melt to freeze, adding a portion of the barium thereto, reheating to the fusion temperature and allowing the melt to refreeze, and repeating the process until all of the barium has been added and fused with the aluminum.

1,979,507
COKE OVEN MACHINE
Charles E. Underwood, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application April 2, 1932, Serial No. 602,662
19 Claims. (Cl. 214—23)



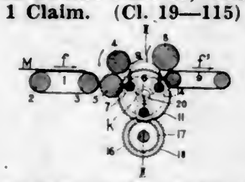
1. In a machine of the character described, a carriage, a leveling bar mounted on the carriage, a platform pivoted to the carriage, means for adjusting laterally one end of the platform, a pusher ram mounted on the platform, and a door manipulating mechanism mounted on the platform at one side of the pusher ram.

1,979,508
CLAMPING MEMBER FOR CLAMPING THE ONE END OF A CORD, WHICH IS FIXEDLY FASTENED TO THE CLAMPING MEMBER WITH THE OTHER END
Jacobus Gerardus van den Bel, Overveen, Netherlands
Application March 10, 1933, Serial No. 660,324
In the Netherlands March 11, 1932
16 Claims. (Cl. 24—30.5)



1. A clamping member having a body with two channels, in one of which a cord is fixedly fastened, the other channel having inwardly projecting teeth.

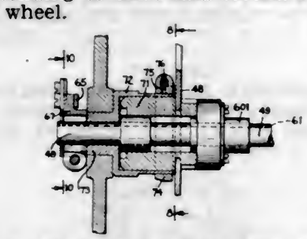
1,979,509
DRIVING MECHANISM FOR REVOLVING NEEDLE BARS OF COMBING AND GILLING MACHINES
Pierre Van Hille, Tourcoing, France, assignor to the firm of Ateliers Saint-Eloi, Tourcoing, Nord, France
Application June 22, 1934, Serial No. 731,951
In France June 30, 1933
1 Claim. (Cl. 19—115)



A driving mechanism for revolving needle bars of combing and gilling machines, comprising a main driving shaft, a toothed wheel having a journal for each needle bar and arranged to impart thereto a rotary movement around a central axis so as to cause the bar needles to penetrate into, to comb and to be withdrawn from the material to be worked, a stationary shaft carrying said toothed wheel loose thereon, a couple of different pinions loosely mounted on said shaft, a pinion fixed on the driving shaft and meshing with one of the pinions of said couple and a pinion fixed on the needle bar and meshing with the other pinion of said couple, the different gears having such ratios that the bar needles in revolving remain parallel with themselves throughout their translation.

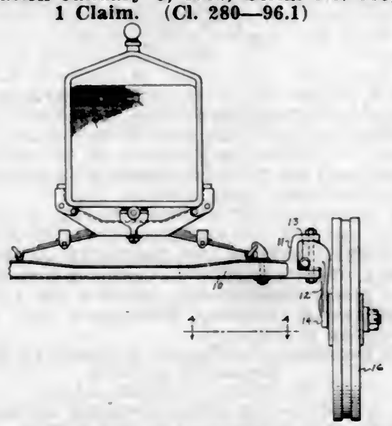
1,979,510
TELEGRAPHIC PRINTING MECHANISM
Alfred Vischer, Jr., Ridgewood, N. J., assignor to The Financial Press Companies of America, Boston, Mass., a trust of Massachusetts
Application April 6, 1932, Serial No. 605,614
16 Claims. (Cl. 197—48)

1. In a telegraphic printer a character wheel, a supporting shaft therefor, said shaft having a keyway therein, a key rigidly secured to said wheel and adapted to enter said keyway, a second key movably mounted on said wheel and adapted to enter said keyway, and resilient means tending to shift said second key relative to said wheel.



9. In a device of the class described a dashpot comprising a piston and a cylinder mounted on relatively movable parts, said piston entering freely into said cylinder, and adjustable means for reducing the circumference of the cylinder to vary the cushioning effect.

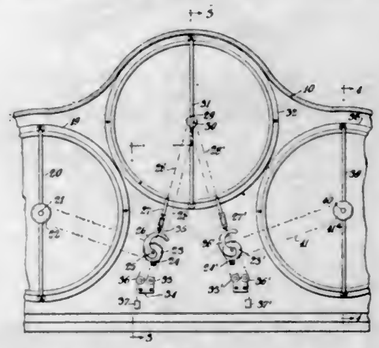
1,979,511
TRACTOR ATTACHMENT MECHANISM
Daniel W. Voorhees, Jr., Peru, Ill.
Application January 9, 1932, Serial No. 585,688
1 Claim. (Cl. 280—96.1)



A tractor wheel attachment for a pleasure vehicle normally having a front axle with bifurcated spindle receiving ends, said attachment comprising an axle engaging portion adapted to be pivotally mounted about a vertical axis in the bifurcated portions of the pleasure vehicle axle, a vertical downwardly extending portion fixed to and integral with said axle engaging portion, a horizontally extending hub portion fixed to and integral with the lower end of said downwardly extending portion, and a tractor wheel pivotally mounted on said hub portion to rotate about the horizontal axis of said hub portion.

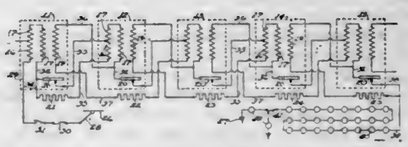
1,979,512
LOGARITHMIC CALCULATING MECHANISM
Robert B. Wasson, Cranford, N. J.
Continuation of application Serial No. 70,424, November 20, 1925. This application June 12, 1930, Serial No. 460,579
1 Claim. (Cl. 235—61)

A device for continuously indicating a result from two factors comprising a plurality of reactive devices, an indicator having independently movable parts, a first logarithmic cam adapted to cooperate with one of said reactive devices and with one of said movable indicator parts, a second logarithmic cam adapted to cooperate with a second reactive device and a second movable indicator part, means for imparting straight line motion between said first reactive device and co-operating logarithmic cam comprising a belt and pulley connection between said first logarithmic cam and reactive device, means for imparting straight line motion between said second reactive device and co-op-



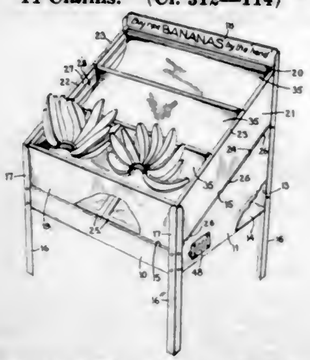
erating logarithmic cam comprising a belt and pulley connection between said second reactive device and logarithmic cam, a follower operating against said first cam and connected to said first movable indicator part, and a follower operating against said second cam and connected to said second movable indicator part whereby said indicator is adapted to indicate the arithmetical resultant of said logarithmic movements.

1,979,513
CAR LIGHTING SYSTEM
Thomas S. Watson, Milwaukee, Wis., assignor to Car Lighting Improvement Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 12, 1931, Serial No. 562,523
1 Claim. (Cl. 171—313)



In a car lighting system, in combination, a supply circuit, a work circuit having series-connected automatic cut-out incandescent lamps and therefore of variable resistance, a plurality of resistors in series with the work circuit, a regulator sensitive to changes in current flow through the work circuit, and means controlled by said regulator for including in circuit one or more of said resistors to compensate for a reduction of resistance in said work circuit and to thereby maintain the current in said work circuit approximately constant, said regulator comprising a plurality of resistor-controlling relays operable progressively, each relay having an energizing series winding, at least some of said relays each having a sensitizing series winding rendered effective by the preceding relay to control progressive operation of said relays in forward direction incident to incipient increase in current in the work circuit, and at least some of said relays each having a locking series winding rendered effective by the succeeding relay to control progressive operation of said relays in reverse direction incident to incipient decrease in current in the work circuit.

1,979,514
DISPLAY STAND
Robert M. Wilson, Jackson Heights, N. Y., assignor to United Fruit Company, New York, N. Y., a corporation of New Jersey
Application March 14, 1933, Serial No. 660,635
11 Claims. (Cl. 312—114)



10. A display stand comprising a supporting structure having inclined supporting edges, an invertible frame having its top and bottom edges in substantially parallel planes, said frame being mountable on said supporting structure in either of two positions inverted with relation to each other, means for retaining the frame in either position on said structure, and article supporting means within said frame adjacent one of said planes.

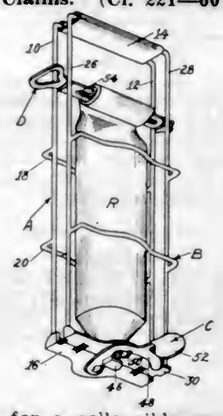
1,979,515
MANUFACTURE OF ORGANIC ESTERS
William S. Wilson, Boston, Mass., assignor to Merrimac Chemical Company, Inc., Everett, Mass., a corporation of Massachusetts
No Drawing. Application January 11, 1934, Serial No. 706,251
7 Claims. (Cl. 260—106)

2. The method of manufacturing ethyl acetate from an inorganic salt of acetic acid and the reaction product of ethylene and sulfuric acid which contains a substantial quantity of diethyl sulfate, characterized in that the reaction product of ethylene and sulfuric acid is first hydrolyzed with water whereby all of the diethyl sulfate is decomposed into products of hydrolysis, and subsequently adding the salt of acetic acid in an amount and under conditions whereby there is present at all times free sulfuric acid or ethyl hydrogen sulfate.

1,979,516
MANUFACTURE OF ORGANIC ESTERS
William S. Wilson, Brookline, Mass., assignor to Merrimac Chemical Company, Everett, Mass., a corporation of Massachusetts
No Drawing. Application June 9, 1934, Serial No. 729,910
4 Claims. (Cl. 260—106)

1. In the preparation of an ester of acetic acid selected from a group consisting of the ethyl, isopropyl and butyl esters from the corresponding alkyl sulphates obtained by combining gaseous olefines with concentrated sulphuric acid under conditions whereby material amounts of dialkyl sulphates are formed and a material selected from a group consisting of the alkali forming metal salts of acetic acid and free acetic acid, the step which comprises hydrolyzing said alkyl sulphate with water whereby all of the dialkyl sulphate is reacted to form products of hydrolysis, after which the hydrolyzed mixture is esterified under conditions whereby there is at all times present a material selected from the group consisting of free sulphuric acid and alkyl hydrogen sulphate.

1,979,517
COLLAPSIBLE RESERVOIR HOLDER
Joseph Harry Wohlfeld, Philadelphia, Pa.
Application May 21, 1932, Serial No. 612,704
6 Claims. (Cl. 221—60)



1. A holder for a collapsible reservoir, comprising a separable wire frame, a fixed wire frame, a valve pivotally connected to said fixed frame, a stud connected to the base of the separable frame, and an extension on said valve to operably engage said stud.

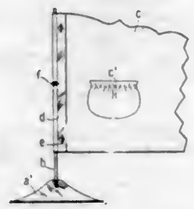
1,979,518
PREPARATION OF ORGANIC ACIDS
John C. Woodhouse, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 28, 1931, Serial No. 519,273
19 Claims. (Cl. 260—116)

1. A process for the preparation of aliphatic organic acids which comprises contacting a compound selected from the group consisting of monohydroxy aliphatic alcohols, the alkyl ethers and the alkyl esters, with an activated charcoal catalyst promoted with an oxide selected from the group of oxides consisting of sub group A of the 4th, 5th, and 6th groups of the periodic table in the presence of carbon monoxide at reacting temperature.

1,979,519
PREPARATION OF ORGANIC ACIDS
John C. Woodhouse, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 28, 1931, Serial No. 519,274
14 Claims. (Cl. 260—116)

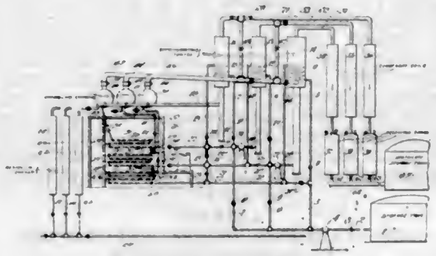
1. A process for the preparation of aliphatic organic acids which comprises contacting a compound selected from the group consisting of monohydroxy aliphatic alcohols, the alkyl ethers and the alkyl esters, with an activated charcoal catalyst promoted with an acidic oxide substantially not reducible under the conditions of operation selected from the group of oxides consisting of sub groups B of the 4th, 5th, and 6th groups of the periodic table in the presence of carbon monoxide at reacting temperature.

1,979,520
SLUMBER SCREEN
Mary Irene Abrams and Gertrude Abrams, Portland, Oreg.
Application August 21, 1933, Serial No. 686,120
1 Claim. (Cl. 5—330)



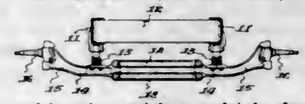
A slumber screen including a flat, elongated, tongue-shaped base provided with an upwardly arranged portion at one end thereof extending laterally of said base, a standard secured to said upwardly arranged portion, a relatively stiff shield extending laterally from said standard, said shield being vertically arranged with one edge adjacent said standard, a U-shaped member extending about the full length and stiffening that edge of the shield adjacent the standard, and quick detachable means associated with said U-shaped member securing the latter to said standard and to said shield.

1,979,521
PROCESS AND APPARATUS FOR CONVERTING PETROLEUM OIL
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application February 13, 1922, Serial No. 535,978
2 Claims. (Cl. 196—49)



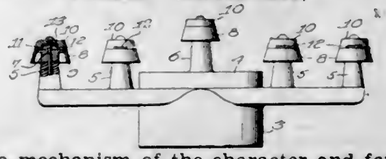
1. A process for converting relatively high boiling point oils into lower boiling point oils which comprises maintaining a plurality of conversion units supplying charging oil to each of said units wherein the oil is subjected to a cracking heat while flowing through a heating coil, the oil being thence delivered to an enlarged chamber from which unvaporized constituents are removed without being again subjected to a cracking heat, in subjecting vapors evolved from the oil delivered to each of the enlarged chambers to independent reflux condensation in separate reflux condensing zones, in effecting the desired cooling in at least one of said reflux condensing zones by passing charging oil therethrough in heat interchange relation with the vapors, in delivering reflux condensate separated from the vapors in the zone through which such charging oil has passed to a conversion unit other than that associated with such reflux condensing zone.

1,979,522
MOTOR VEHICLE
Erle K. Baker, Detroit, Mich., assignor to Baker Axle Company, Cleveland, Ohio, a corporation of Ohio
Application December 4, 1933, Serial No. 700,775
9 Claims. (Cl. 267—19)



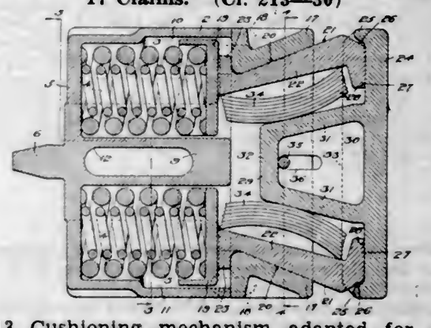
1. In combination with a vehicle frame and a pair of wheels, an axle comprising two end axle sections each having inner terminal portions forming the upright sides of a parallel motion mechanism, said sides being fixed transversely with respect to the wheels, two transverse members pivotally connected one above the other to and extending between said portions and completing said parallel motion mechanism, a chassis frame, longitudinal leaf spring units connected to the frame and rigidly attached to said axle sections outside said pivotal connections for supporting the frame thereon, said springs being adapted through their torsional effort to hold the sections normally in alinement.

1,979,523
AUTOMOBILE MECHANISM
Edward A. Barnett, Port Arthur, Tex.
Application September 14, 1931, Serial No. 562,816
1 Claim. (Cl. 123—143)



In a mechanism of the character and for the purpose described, the combination with a series of spark plugs and a series of posts upon a distributer head, stems mounted in said spark plugs and posts of said distributer head, and protecting means mounted on said stems, and connections from all of said stems of the posts and spark plugs, said protecting means comprising a flaring cap, and a crown member having a pocket to receive a washer and a recess in its lower edge to admit the end of the connecting contact members.

1,979,524
DRAFT RIGGING
Donald S. Barrows, Rochester, N. Y., assignor to The Gould Coupler Company, New York, N. Y., a corporation of Maryland
Application April 5, 1927, Serial No. 181,175
17 Claims. (Cl. 213—30)



13. Cushioning mechanism adapted for use with railway draft rigging comprising a casing having a bell-mouthed open end providing out-

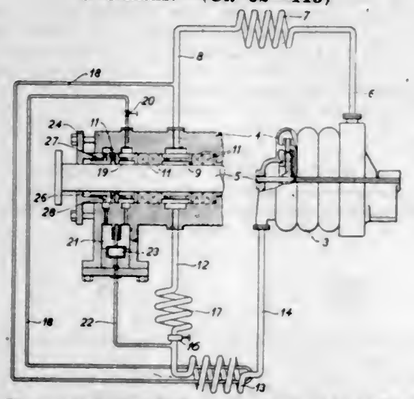
wardly diverging friction surfaces, and pressure transmitting means movable inwardly of the casing and engaging said friction surfaces, said means comprising a follower having a wedge portion with oppositely inclined sides and means frictionally engaging said diverging surfaces and including leaf springs disposed on opposite sides of said wedge portion, with the latter acting as the sole abutment means for said leaf springs in order to apply pressure on said diverging friction surfaces.

1,979,525

FLUID SEALED PACKING GLAND

Adolf Baumann, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application July 10, 1929, Serial No. 377,296
In Germany July 18, 1928
5 Claims. (Cl. 62—115)



1. In a system of the character described, a rotary compressor having an extension to receive the shaft thereof and being provided with a purality of chambers arranged therein about said shaft, a condenser, a vaporizer, conduit means connected to form a path for flow of fluid serially through said compressor, condenser, one of said chambers, and vaporizer respectively, an element included in the connection between said one of said chambers and said vaporizer operable to cool said fluid flowing thereinto from said one of said chambers, conduit means connected with the first said conduit means at a point between said condenser and said one of said chambers for withdrawing a portion of said fluid and for discharging the same into another of said chambers, means for cooling said fluid flowing through the second said conduit means before discharging thereof into the said another of said chambers, valve means for regulating the rate of discharge of said fluid into said another of said chambers, and connections forming a path for discharging said fluid from said another of said chambers into said vaporizer, the flow of said fluid through said chambers being operative to seal the said extension against flow of said fluid therefrom by way of said shaft.

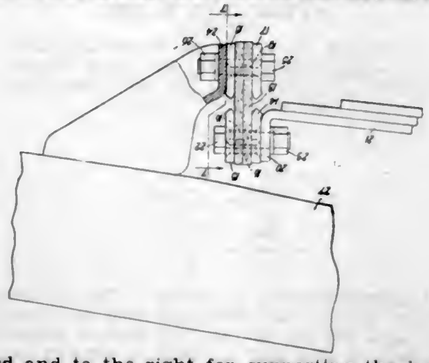
1,979,526

SPRING SHACKLE

Harvey W. Bell, Ardsley on Hudson, N. Y., assignor to The Beloyt Corporation, New York, N. Y., a corporation of Delaware

Application March 29, 1932, Serial No. 601,730
9 Claims. (Cl. 267—54)

1. In a vehicle, the combination with the body and a spring, of a substantially inextensible, flexible tension shackle comprising strands inclined downward and to the left for supporting the body from the spring under tension and for resisting movement of the body toward the left with relation to the spring, and strands inclined downward and to the right for supporting the body from the spring under tension and for resisting movement of the body to the right with relation to the spring, and means securing the upper ends of said strands to the spring and the lower ends of said strands to the body.

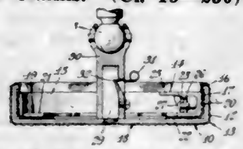


1,979,527

CLEANING AND POLISHING APPARATUS

Marion H. Bissell, Chicago, Ill.

Application April 17, 1933, Serial No. 666,605
3 Claims. (Cl. 15—230)



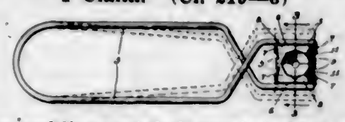
1. A device of the character described, comprising the combination of a plate having an upstanding annular rim; a flexible surface-treating element extended over the outer surface of said plate and ring and having a portion extended over the inner surface of said rim; a resilient split ring arranged upon said plate within said rim; and means carried by the said ring for expanding and contracting the same into and out of binding engagement with said portion to releasably attach said element to said plate.

1,979,528

ARC WELDING METAL ELECTRODE FRAGMENT HOLDER

George A. Bruce, Renton, and Arthur A. Mace, Foster, Wash.

Application May 8, 1933, Serial No. 669,893
1 Claim. (Cl. 219—8)



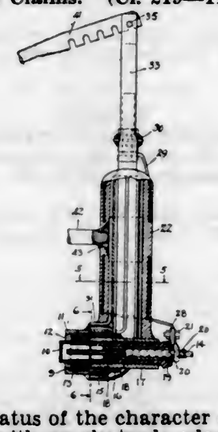
An arc welding metal electrode holder comprising a spring metal handle that is bent upon itself to form parallel arms and crossed to form outwardly extending spaced apart end portions, a pair of opposing jaw casings fixed transversely to said end portions and having inwardly slanting side flanges, a pair of non-conductor heat resisting jaws each having inwardly slanting sides corresponding to the slanting side flanges of the jaw casings, said jaws slidably and detachably mounted in said casings and normally held one against the other by the spring handle, means for retaining the jaws within the casings, both ends of each jaw having large complementary semi-conical recesses extending into the jaws, and said jaws having small complementary grooves connecting the semi-conical end recesses.

1,979,529

ELECTRIC METAL WORKING METHOD AND APPARATUS

Charles A. Cadwell, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio

Application February 18, 1932, Serial No. 593,827
15 Claims. (Cl. 219—11)



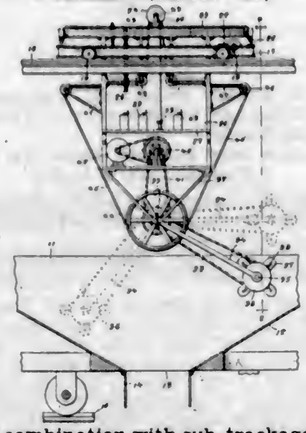
2. In apparatus of the character described, the combination with an electrode adapted for presentation in arcing relation to material to be heated, of a plurality of coaxially arranged cores of magnetic material positioned around said electrode and an electro-magnet adjacent said cores, said cores magnetically insulated from each other and respectively connected by magnetic means to the core of said electro-magnet whereby to divide into parallel bands around the arc the flux flow of said electro-magnet.

1,979,530

MATERIAL KICKING MACHINE

Charles Clark, Huntington, W. Va., assignor of one-third to Arthur H. Raynor, Huntington, W. Va.

Application October 25, 1933, Serial No. 695,187
7 Claims. (Cl. 262—19)



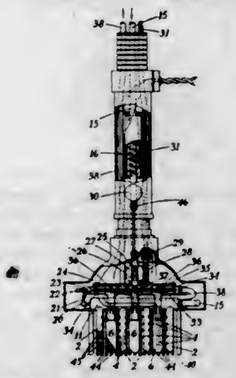
1. The combination with sub-trackage, of overhead trackage with relation thereto, a truck movable over the overhead trackage, a carriage movable on the truck at right angles to its path of travel, a cab suspended by said carriage, material kicking mechanism swingably mounted upon said cab and including cutting and shoveling bits rotatably arranged, and means for rotating the bits and swinging said mechanism.

1,979,531

APPARATUS FOR THE WAVING OF THE HAIR

Fernan Oscar Conill, Cannes, France

Application June 15, 1932, Serial No. 617,377
In France November 27, 1931
9 Claims. (Cl. 132—36)



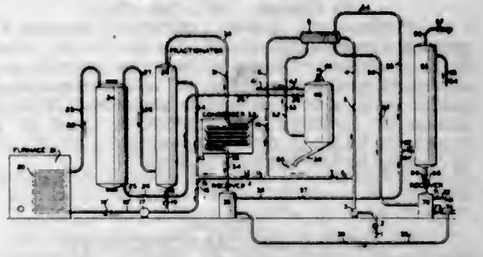
1. In apparatus for the waving of hair the combination of: a perforated tubular heating member; two perforated tubular pressing members adapted to co-operate with said heating member; means for circulating steam through a heating member and a pressing member so as to pass through the perforations of these members and a hair lock located between the members; and means for firmly pressing a pressing member against the heating member, substantially as described.

1,979,532

HYDROCARBON OIL CONVERSION

Nicholas G. de Rachat, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

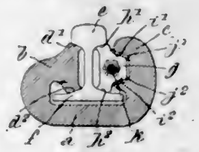
Application January 26, 1931, Serial No. 511,139
3 Claims. (Cl. 196—49)



1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under pressure, introducing the hot oil stream to a reaction zone maintained under cracking conditions of temperature and pressure, continuously removing vapors and unvaporized oil while still hot to a

coking zone and impinging the same against a rapidly rotating surface therein to impart centrifugal velocity to the unvaporized oil, introducing to the coking zone highly heated gases of sufficient temperature to coke the unvaporized oil, contacting the gases with the unvaporized oil in the coking zone and distilling the unvaporized oil to coke therein, and removing the coke and the vapors and gases from the coking zone.

1,979,533
RAIL BOND
Victor Emile Dupuy, Paris, France
Application February 27, 1932, Serial No. 595,473
In Belgium March 9, 1931
5 Claims. (Cl. 238—151)



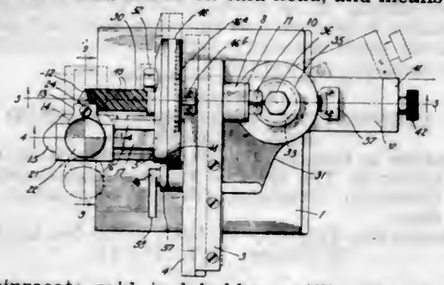
1. A rail joint for connecting together the adjacent ends of two rails which comprises in combination, a rigid assembling member extending beneath said ends of the rails at a certain distance from the under faces thereof, a flange integral with said member extending upwardly on one side thereof having its inner face shaped to fit exactly between the head and base flanges of the rails on one side thereof, another flange integral with said member extending upwardly on the other side thereof, wedging means adapted to be forced longitudinally between the last mentioned flange and said rails, said wedging means engaging on one side the other side of said rails so as to fit exactly between the head and base flanges thereof, and on the other side the second mentioned flange, the contacting surfaces of said wedging means and of said second mentioned flange being so shaped as to prevent any vertical relative displacement therebetween, and means for locking said wedging means in position.

1,979,534
DISAZO COMPOUND FOR THERAPEUTIC USE
Joseph Ebert, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 15, 1931, Serial No. 569,119
19 Claims. (Cl. 260—76)

1. A non-toxic disazo compound having the general formula R'—N=N—R—N=N—R'' where R is a phenyl residue, a diphenyl residue, or a diphenyl methane residue, R' is an aromatic diamine or an alkoxy aromatic amine and R'' is an amino or hydroxy monocarboxylic acid or an amino or hydroxy monocarboxylate both R' and R'' being of the benzene series.

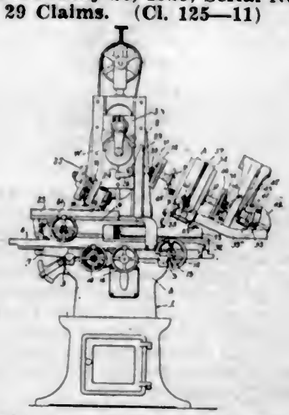
1,979,535
ART OF HOB MANUFACTURE
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application May 3, 1926, Serial No. 106,241
23 Claims. (Cl. 125—11)

7. In a device of the character described, the combination of a support, a slide movable transversely thereon, an oscillatory head on said slide movable in timed relation thereto, a tool holder slidable rectilinearly on said head, means to reciprocate said holder on said head, and means to



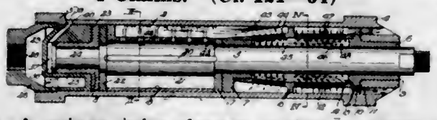
reciprocate said tool holder rectilinearly at an angle to said first rectilinear movement.

1,979,536
TRUING DEVICE FOR GRINDING WHEELS
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application February 28, 1929, Serial No. 343,451
29 Claims. (Cl. 125—11)



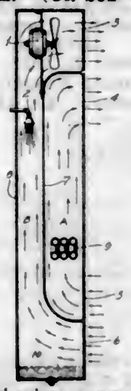
25. A mechanism of the character described comprising, in combination, a tool holder, means to support said tool holder for movement in a plane, means available to guide said tool holder through a predetermined path in said plane, and means to control said last mentioned means to modify said path to compensate for side clearance angle.

1,979,537
MOTOR
William S. Elliott, Pittsburgh, Pa., assignor to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1932, Serial No. 611,528
4 Claims. (Cl. 121—34)



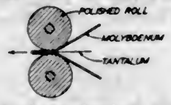
1. A rotary tube cleaner motor employing a non-condensable elastic fluid and adapted to be moved through a tube to be cleaned and comprising a casing of a size approaching the internal diameter of the tube to be cleaned, a rotor in the casing, a connection for conducting a non-condensable elastic fluid to the rotor, an exhaust channel for the rotor and a muffler in tandem with the motor and movable therewith through the tube, said muffler having an expansion chamber arranged to receive the non-condensable elastic fluid from the motor exhaust channel.

1,979,538
AIR CONDITIONING APPARATUS
Ernest F. Fisher, St. Louis, Mo.
Application August 23, 1929, Serial No. 387,908
4 Claims. (Cl. 261—117)



1. An air conditioning apparatus comprising a bifurcated stack, one leg of said stack containing heating coils over which air to be heated is passed, the other leg of said stack having a water spray nozzle, and a fan arranged to draw cold air up through the water spray, said fan arranged so as to discharge this cold air in a horizontal plane above the hot air issuing from hot air leg of said bifurcated stack and being adapted to induce increased movement of air through the leg of the stack which contains the heating coils.

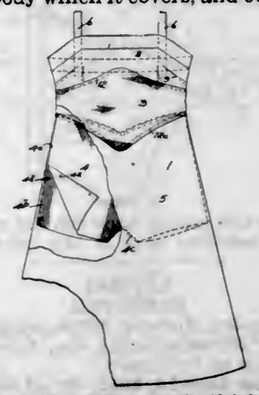
1,979,539
METHOD OF PRODUCTION OF REFRACTORY METAL LEAF
Bernard C. Gardner and Russell H. Varian, Philadelphia, Pa., assignors to Television Laboratories, Ltd., San Francisco, Calif., a corporation of California
Application October 14, 1932, Serial No. 637,772
7 Claims. (Cl. 29—18)



7. The method of producing a refractory metal leaf which comprises enclosing said refractory metal in a sheet metal container, said container being formed of a refractory metal slightly softer than the metal to be leafed, and rolling said container to produce expansion of both materials.

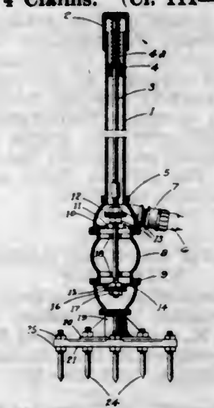
1,979,540
LADY'S UNDERWEAR
Dorothy Gershen, Cleveland, Ohio
Application June 20, 1932, Serial No. 618,214
1 Claim. (Cl. 2—71)

A composite garment comprising a brassière portion, shoulder straps thereon, a girdle portion, the whole of the upper margin of which is permanently secured to the whole lower margin of said brassière portion, an underskirt portion, secured to the lower margin of said girdle, a pants portion also secured to the lower margin of said girdle along the same line as said underskirt so as to hang freely within said underskirt portion, said pants portion having a closed crotch and longitudinal slits formed in the lower portion of the legs, and said brassière portion, girdle portion and the upper part of the underskirt portion and pants being longitudinally slit, fastening means on the opposite margins of said slit, and the girdle being so shaped as to afford support to that portion of the body which it covers, and covering said



portion of the body with a single thickness of material only, said girdle portion flaring in width both upwardly and downwardly from the side portions to the central portion, thus having its uppermost point located adjacent the intersection of the busts of a wearer.

1,979,541
FERTILIZER DISTRIBUTOR
Charles H. Gunn, Burlingame, Calif.
Application September 3, 1932, Serial No. 631,601
4 Claims. (Cl. 111—6)

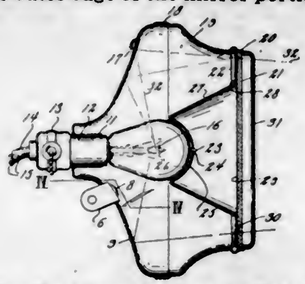


4. A liquid fertilizer distributor comprising a plate, puncturing pins mounted on and depending from the plate, and means to discharge liquid from underneath the plate and about the sides thereof from above the same.

1,979,542
TOILET ACCESSORY
Thomas E. Hauser, Bowling Green, and Paul F. Reichert, Toledo, Ohio; Alethea R. Burgie, Toledo, Ohio, administratrix of said Paul F. Reichert, deceased, assignor to said Hauser
Application October 22, 1932, Serial No. 639,076
2 Claims. (Cl. 240—4.1)

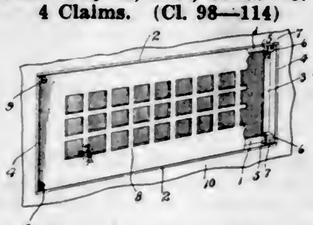
1. A reflective projector embodying a lens having on a common side thereof a mirror opaque portion and a bounding thereof by ground glass, a housing for the lens, light source means in the housing, and shield means between the light source means and the opaque portion and spaced from the light source means, said shield means

flaring from the light source to abut the lens adjacent the outer edge of the mirror portion, there-



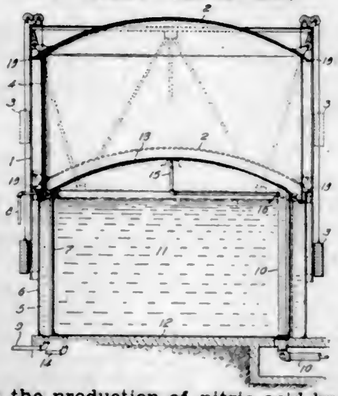
by shielding the mirror back central portion from direct and reflected rays of the light source.

1,979,543
REGISTER
Lloyd E. Heasley, Holland, Mich., assignor to Hart & Cooley Manufacturing Co., Chicago, Ill., a corporation of Delaware
Application May 16, 1932, Serial No. 611,579
4 Claims. (Cl. 98—114)



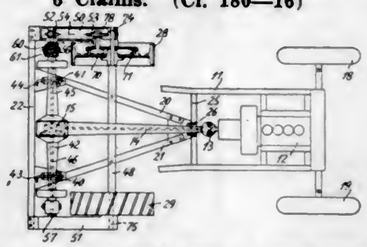
3. A register comprising a rectangular frame formed of members, the members of the frame being pressed outwardly at the corners and overlapping to form supports at the corners of the frame, said outwardly pressed portions having alined threaded openings therethrough, a grating plate located over the frame and resting against the supports and screws passing through the corners of the grating plate and into the threaded openings, as specified.

1,979,544
METHOD OF STORING OXIDES OF NITROGEN
Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application September 16, 1931, Serial No. 563,138
3 Claims. (Cl. 23—157)



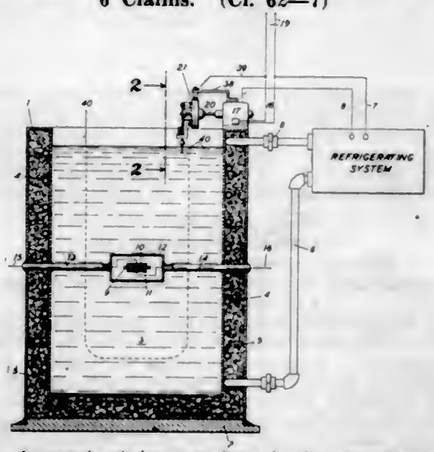
2. In the production of nitric acid by the absorption of oxides of nitrogen in dilute nitric acid, the steps which consist in storing said oxides of nitrogen in a bell-type gas holder and maintaining a seal around the lower edge of said holder consisting of nitric acid capable of being further fortified, whereby condensate from the inner walls of the holder will be collected in said acid.

1,979,545
AUTOMOTIVE VEHICLE
Georg Heidemann, Hoppegarten-Berlin, Germany
Application January 6, 1932, Serial No. 585,078
In Germany January 14, 1931
6 Claims. (Cl. 180—16)



1. In a motor vehicle having a propeller shaft together with an original vehicle axle shaft, a supplementary frame adapted to be substituted for the rear wheels of the original vehicle, wheels mounted upon the frame for supporting the rear of the vehicle, a supplementary axle shaft mounted upon the frame for supporting the wheels of the frame, an auxiliary transmission shaft mounted upon the frame in general alignment with said vehicle axle shaft, gearing for transmitting power from the transmission shaft to the wheels of the frame, means compensating for disalignment between said vehicle axle shaft and said auxiliary axle shaft, and means for connecting the auxiliary transmission shaft to the propeller shaft.

1,979,546
TEMPERATURE CONTROL
Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application December 9, 1932, Serial No. 646,403
6 Claims. (Cl. 62—7)



1. A constant temperature bath comprising a container for receiving a fluid, means for freezing a portion of said fluid, means for preventing the remaining portion from freezing, and a receptacle

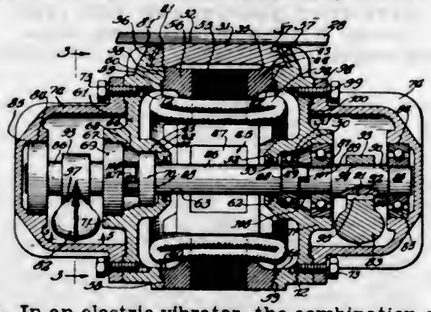
for an article to be kept at a constant temperature positioned to be surrounded by said unfrozen portion.

1,979,547
CONSTRUCTION OF "IN SITU" CONCRETE PILES
Andrew Hood, London, England
Application August 15, 1932, Serial No. 628,870
In Great Britain August 24, 1931
6 Claims. (Cl. 61—57)



4. The process of forming "in situ" reinforced concrete piles consisting in boring and lining the bore with metal casing, forming a hollow column within the metal casing, applying a load to the column whilst freely positioned in the casing, supplying grout under pressure to the hollow column, withdrawing the metal casing, and applying a load to the column after the introduction of the grout, but before it has set to ensure continuity of the column and absence of voids.

1,979,548
ELECTRIC VIBRATOR
Walter H. Horsch, Wheaton, Ill., assignor to Massey Concrete Products Corporation, Chicago, Ill., a corporation of Virginia
Application February 27, 1933, Serial No. 658,851
3 Claims. (Cl. 259—72)



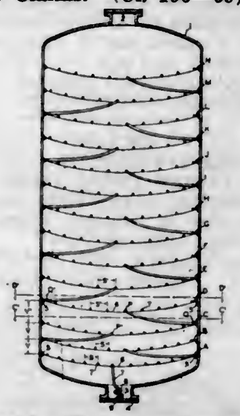
1. In an electric vibrator, the combination of a motor housing comprising a pair of end plates, a pair of field clamping members, a multiplicity of laminations forming a motor field between said field clamping members, bearings carried by each of said end plates, a motor armature and shaft, and auxiliary vibrating elements mounted on each end of said motor casing and comprising a shaft with bearings at each end and an eccentric weight mounted between said bearings, said motor shaft and said vibrator shafts being provided with interlocking lugs on the ends of said shafts and non-metallic elements disposed between said lugs, said non-metallic element being substantially groove-formed in shape, and said lugs being substantially segmental, and the lugs on each shaft spaced from each other to provide space for said non-metallic element.

1,979,549
PORTABLE REFRESHMENT STAND
John F. Huckel, Kansas City, Mo.
Application November 10, 1932, Serial No. 642,003
4 Claims. (Cl. 62—13)



1. In apparatus of the character described, a water tight compartment having a vertical partition spaced from the bottom of the compartment to provide a primary chamber for retaining a refrigerant and a secondary chamber having connection at the bottom of the partition with the primary chamber for flow of liquid from the primary to the secondary chamber, the secondary chamber having a drain outlet in its bottom for the liquid, a valve for said outlet, and valve operating means extending upwardly in the secondary chamber for access at the top of the compartment.

1,979,550
REMOVAL OF CARBONACEOUS MATERIALS FROM VESSELS
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application January 26, 1931, Serial No. 511,196
5 Claims. (Cl. 196—69)



2. A process for the removal of carbonaceous deposits from vessels employed in oil cracking processes which comprises disposing a flexible metallic member, prior to the commencement of a cracking operation, in superposed horizontal planes within said vessel, said member being wound in spirals in each of said planes from an axis common to each of said spirals, the lowermost spirals of said flexible member being spaced in closer superposed relation than the uppermost spirals of said member, and disrupting and removing the mass of carbonaceous deposit formed within said vessel during said cracking operation

by forcibly withdrawing said flexible metallic member from said vessel on discontinuance of said cracking operation.

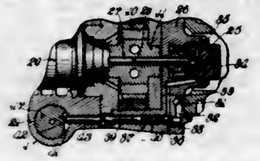
3. A process for the removal of carbonaceous deposits from vessels employed in oil cracking processes which comprises disposing a flexible metallic member within a vessel prior to the commencement of a cracking operation wound in spirals, each of said spirals being successively superposed in spaced horizontal planes within said vessel and wound from an axis common to all of said planes in a direction alternate and opposite to the direction of winding of the preceding or succeeding spiral, and disrupting and removing the mass of carbonaceous deposits formed within said vessel during the cracking operation by forcibly withdrawing said flexible metallic member from said vessel on discontinuance of said cracking operation.

1,979,551

ROCK DRILL FLUID CLEANSING MEANS

Mervin Chester Huffman, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 23, 1932, Serial No. 618,925
4 Claims. (Cl. 251—145)



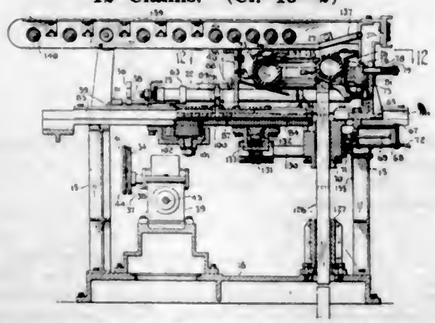
4. A control mechanism for a rock drill cleansing means comprising a plurality of separate drill parts held in assembled relation, two of said parts having bores and an intermediate part having a larger opening with which said bores communicate, plungers in said bores and projecting into end-abutting engagement within said intermediate opening, said parts being so formed that when said bores are out of perfect alinement the abutting relationship between the plungers is maintained, a ball valve for controlling the cleansing fluid supply, a coiled spring interposed between the inner plunger and said ball valve, and means including a rotatable cam mounted in one of said parts for actuating said plungers.

1,979,552

METHOD AND APPARATUS FOR REMOVING CORES FROM TIRES

Ray D. Hulslander, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 6, 1933, Serial No. 659,741
12 Claims. (Cl. 18—2)



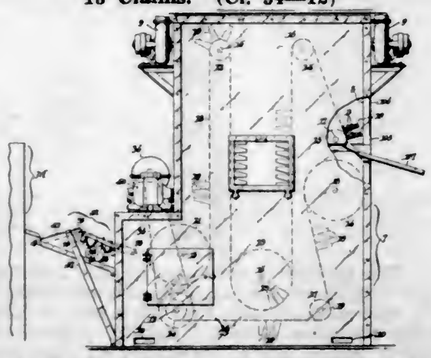
9. In apparatus for removing cores from tires, the combination of a retractable abutment, a movable member movable toward said abutment and adapted to force a tire thereagainst so as locally to deform the tire and expose the core therein, a ram movable parallel to the axis of the tire adapted to engage the exposed portion of the core and push said core from the tire, and means for retracting the retractable abutment in timed relation to the movement of the ram to prevent excessive strain on a tire bead.

1,979,553

APPARATUS FOR COOLING BAKERY PRODUCTS

Herbert T. Hunter, Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y., a corporation of New York

Application April 8, 1931, Serial No. 528,583
13 Claims. (Cl. 34—12)



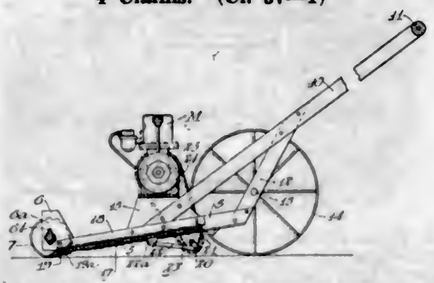
1. Apparatus for cooling articles of flat formation such as doughnuts and the like, comprising a conveyor with crosswise carrier trays; and feed mechanism including inclined means movable transversely of the conveyor for delivering freshly cooked doughnuts in definite separation received from a producing machine and conducting them in like manner to individual conveyor trays, resting on one of their flat faces, upon successive presentation of said trays to the transversely moving means.

1,979,554

CUTTING AND STRIPPING MACHINE FOR PAVEMENT JOINTS AND THE LIKE

George W. Huntington, Glencoe, Minn.

Application June 22, 1932, Serial No. 618,602
4 Claims. (Cl. 37—1)



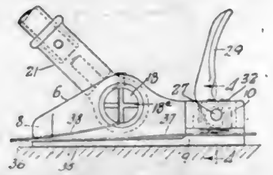
1. In a cutting and stripping machine, a wheeled frame, a stripping blade mounted transversely of said frame and inclined somewhat with respect to the horizontal from its forward or cutting edge to its rear longitudinal edge, means for reciprocating said blade longitudinally of the machine, said frame having a pair of wheels, the axis of which is disposed some distance above the forward or cutting edge of said blade and substantially in vertical alignment therewith.

1,979,555

BAND TIGHTENING DEVICE

Frank J. Jakoubek, Elmwood Park, Ill., assignor to Brainard Steel Corporation, Warren, Ohio, a corporation of Ohio

Application April 26, 1934, Serial No. 722,468
10 Claims. (Cl. 254—51)



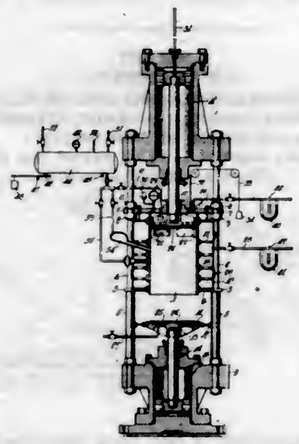
9. A gripping member for a device of the kind described comprising a block having a central opening and a plurality of sides, certain ones of which are formed in one portion thereof with a gripping surface.

1,979,556

APPARATUS FOR AND METHOD OF MAKING SOLID CARBON DIOXIDE

Charles L. Jones, Pelham, and William H. Fitzpatrick, Jackson Heights, N. Y., assignors, by mesne assignments, to Adico Development Corporation

Application October 30, 1929, Serial No. 403,416
14 Claims. (Cl. 62—121)



6. Apparatus for making solid carbon dioxide from liquid, including a pressure chamber, a plunger reciprocating downward therein and a removable bottom closure adapted to hermetically seal the bottom of said pressure chamber, the upper part of said chamber being provided with a plurality of openings of relatively large area having screens removably fitted therein.

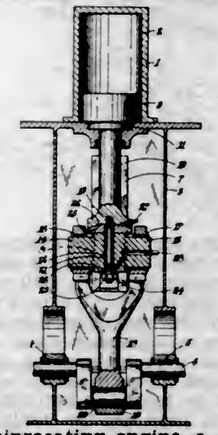
7. Apparatus for making solid carbon dioxide from liquid, including a pressure chamber, a plunger reciprocating downward therein and a removable bottom closure adapted to hermetically seal the bottom of said pressure chamber, the upper part of said chamber being provided with a plurality of openings of relatively large area covered by interchangeable removable elements of different structure and an exterior jacket into which gas may escape when the openings are not completely closed.

1,979,557

RECIPROCATING-CROSSHEAD ENGINE

Karl Otto Keller, Sunderland, England, assignor to William Doxford & Sons Limited, Sunderland, England, a British company

Application October 19, 1932, Serial No. 638,558
In Great Britain February 19, 1932
4 Claims. (Cl. 287—87)



1. In a reciprocating engine, a connection between a piston-rod subjected to the working load always in one direction and a crosshead, said crosshead having an opening therethrough, and said piston rod having a prolongation of reduced diameter at one end extending through said opening which prolongation is of less diameter than the opening in the cross head and an upper and lower pair of concentric spherical bearing surfaces, whereof the upper pair comprises a concave bearing surface fixed on the piston rod, and a convex bearing surface fixed on the crosshead, and the lower pair comprises a convex bearing fixed on said prolongation and a concave bearing surface in the crosshead, said upper pair of spherical bearing surfaces having a radius of materially greater length than the radius of said lower pair.

1,979,558

METHOD FOR PREVENTING CHOKING OF OIL WELLS AND THE LIKE

John Thomas King, Pampa, Tex.

No Drawing. Application August 27, 1934, Serial No. 741,723
12 Claims. (Cl. 166—21)

1. The method of preventing or relieving accumulation of congealed base or other constituent substances of oil in wells and the like, consisting in applying in the well or container a liquid composition comprising a volatile solvent for the congealed substance and a rubber-like substance as a carrier for the solvent.

1,979,559

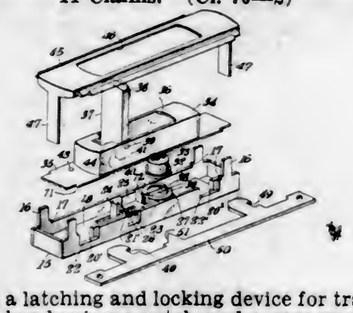
ESTER OF HYDROXYBENZOIC ACID

Lucas P. Kyrides, Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application June 6, 1932, Serial No. 615,770
7 Claims. (Cl. 260—103)

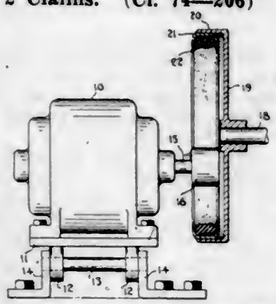
1. As a composition of matter, a neutral ester of an acid selected from a group consisting of phthalic, maleic, succinic, adipic and chlorphthalic, characterized in that at least one of the carboxyl groups is joined to an ester of a hydroxybenzoic acid.

1,979,560
BAG LOCK
Abraham Levine, Elizabeth, N. J.
Application March 9, 1933, Serial No. 660,176
11 Claims. (Cl. 70—2)



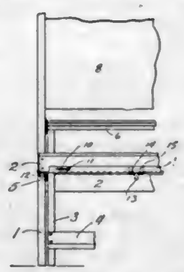
8. In a latching and locking device for traveling bags, a bar having a catch and a cam projecting therefrom, a casing having a wall provided with slots to receive the catch and cam, a pair of members mounted in the casing to slide in unison and arranged so that at all times one of the members is positioned to prevent passage of either the catch or the cam through their respective slots, resilient means to normally maintain one of the members in the path of the catch, means supported by the casing to move said members so that the passage of the catch is unobstructed, a key controlled tumbler rotatably mounted in the casing, said tumbler in one position allowing free movement of said members, means on the tumbler to prevent movement of the members when the tumbler is rotated to another position, and detent means to frictionally hold the tumbler in either of said positions.

1,979,561
FRICTION DRIVE DEVICE
Arthur P. Lewis, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 6, 1933, Serial No. 650,406
2 Claims. (Cl. 74—206)



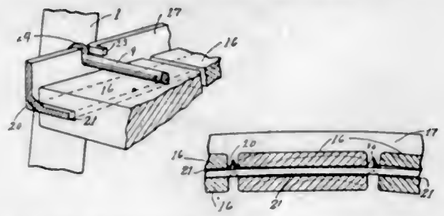
1. In a device of the character described, the combination of a driving pulley and a driven wheel, said driven wheel comprising an internal annular channel with diverging sides that constitutes a retainer for a friction element, and a resilient friction element mounted in said retainer, said friction element being concavo-convex in transverse section with its concave face in the bottom of the retainer, and having sloped sides in face to face engagement with the diverging sides of the retainer, said driving pulley engaging the friction element on the interior of said wheel and tending to force said concavo-convex friction element into firm engagement with the sides of said annular channel as said wheel is driven.

1,979,562
FOLDING CHAIR
Erving B. Morgan, East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application June 15, 1932, Serial No. 617,384
2 Claims. (Cl. 155—143)



1. In a folding chair, a pair of front legs and a pair of rear legs, each front leg being pivotally connected to its rear leg, a stretcher connecting one pair of legs above said pivotal connections and adapted to engage the other pair of legs for limiting the pivotal spreading movement between the pairs of legs, a seat pivotally connected between one pair of legs and adapted to rest on the other pair of legs, and manually slidable means secured to said stretcher and provided with portions adapted to be interposed between said stretcher and its engaging pair of legs for further limiting the pivotal spreading movement between each pair of legs.

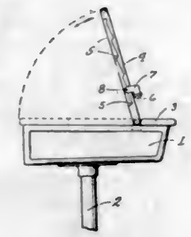
1,979,563
CHAIR SEAT
Erving B. Morgan, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 7, 1933, Serial No. 683,931
2 Claims. (Cl. 155—178)



1. In a structure of the class described, a pair of spaced angle iron seat supports each having spaced raised portions along their respective lengths adjacent the angle, and a plurality of transverse seat members whose opposite ends are provided with slots embracing the seat supports interjacent the spaced raised portions.

1,979,564
DESK
Erving B. Morgan, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application December 9, 1933, Serial No. 701,681
4 Claims. (Cl. 45—61)

1. In a structure of the class described, an angularly disposed desk top provided with a series of spaced keepers on each of its opposite sides, a supporting rack swingably connected to said top and laterally movable on said top, each end of said rack being provided with a member swingable into engagement with one of the keepers for

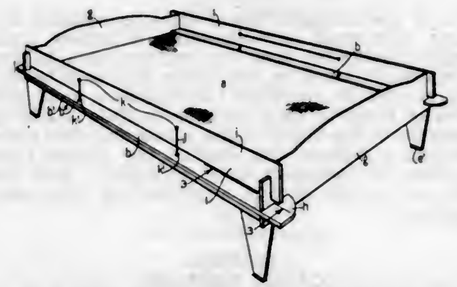


adjustably suspending the supporting rack with respect to the desk top.

1,979,565
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell and Gustav Egloff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
No Drawing. Application January 29, 1931, Serial No. 512,207
2 Claims. (Cl. 196—36)

1. A step in the refining of the gasoline-containing products resulting from the cracking of hydrocarbon oil, which comprises subjecting such product in vaporous condition and at between 250° F. and 600° F. to treatment with sulphur dioxide and an oxidizing gas containing free oxygen in the presence of an oxide of a heavy metal.

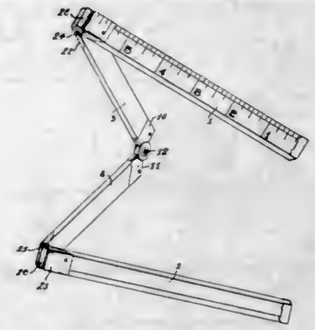
1,979,566
COLLAPSIBLE BED
Reginald K. Morse, Clackamas County, Oreg.
Application February 1, 1933, Serial No. 654,652
10 Claims. (Cl. 5—285)



1. In a collapsible bed comprising a flexible base, a frame including side members and end members bordering said base and leg members supporting said frame, said side members comprising flat elements separate from, and arranged normal to each other and both detachably engaging said end members, the elements of said side members being spaced from each other and joined by two portions of a looped pendent cord arranged at the longitudinal middle thereof.

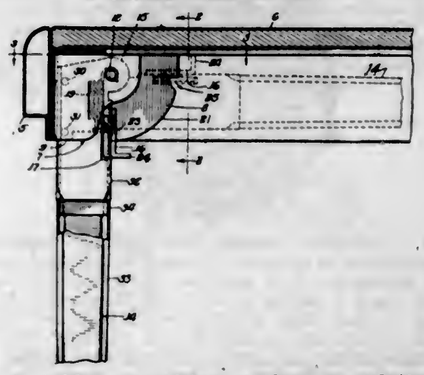
1,979,567
FOLDING RULE
Carl M. Nicholson, New York, N. Y.
Application June 10, 1932, Serial No. 616,389
1 Claim. (Cl. 33—105)

In a folding rule having joined mid-sections and end sections, hinge members for foldably uniting the end sections to the mid-sections and means on said hinge members including a knob



and socket on the hinge pins of said hinge members for latching the rule sections together.

1,979,568
FOLDING TABLE
John B. O'Connor and James E. Bales, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application March 14, 1931, Serial No. 522,556
2 Claims. (Cl. 45—11)

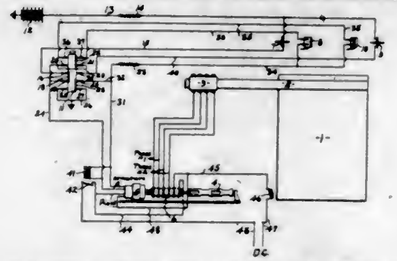


1. A table comprising a leg, a relatively springy metal supporting bracket having a pair of arms fastened to the table, a leg pivoted between said arms, and protuberances on said leg and engaging one of said arms for providing friction between the leg and said bracket for stabilizing the leg when in extended position.

1,979,569
DOOR OPERATING APPARATUS
Edward G. Parvin, Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application September 15, 1933, Serial No. 689,682
2 Claims. (Cl. 268—53)

1. In a system of the type described, the combination comprising a door, a linear induction motor for operating the door having its armature secured to the door and its field supported adjacent the armature as it moves with the door, said field being wound so that when energized with alternating current its magnetic field travels linearly, means for supplying alternating current to said motor to cause the magnetic field to travel in either direction to open or close the door, and means for reducing the frequency of the alternating current supplied to the motor as the door nears the end of its stroke in either

direction to reduce the linear speed of the travel of the magnetic field of the motor, whereby the



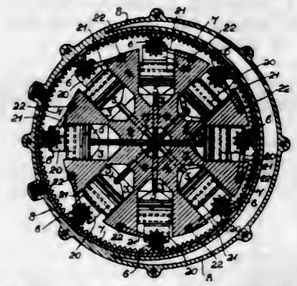
door is slowed down near the end of its stroke in either direction.

1,979,570

MEANS FOR THE HYDRAULIC TRANSMISSION OF POWER

Thomas Watson Paterson, Allerton, Liverpool, England

Application December 15, 1930, Serial No. 502,333
In Great Britain February 6, 1930
4 Claims. (Cl. 192—60)



1. Hydraulic torque transmitting apparatus embodying driving and driven shafts and means for changing their relative speed comprising on one shaft a casing provided with a guide track, and on the other shaft a rotor confined within said casing and provided with radially-disposed cylinders having intercommunicating ports and means to control the passage of liquid through said ports; and pistons accommodated in said rotor cylinders and directly connected in pairs by rigid connecting elements whereby reciprocation of any one piston will sympathetically effect corresponding reciprocal motion of its opposed piston without the agency of liquid in the apparatus; and rollable elements mounted on the outer ends of said pistons and maintained in operative engagement with said guide track of the confining casing by said rigid connecting elements of the pistons, said rollable elements being revolubly supported in bearing members movably mounted on the outer ends of the pistons and pivotally connected with said rotor to permit true reciprocation of said pistons within their respective cylinders.

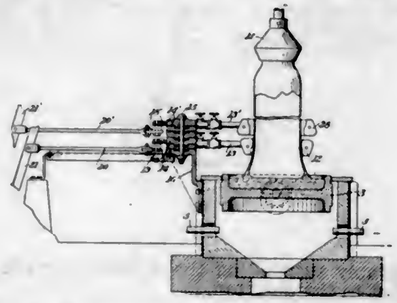
1,979,571

PROCESS OF DRAWING BELL AND SPIGOT-TYPE PIPE

Ingvald O. Pedersen, Pittsburgh, Pa., assignor to C. P. Byrnes, Sewickley, Pa., as trustee

Application August 5, 1932, Serial No. 627,580
6 Claims. (Cl. 49—17.1)

1. In the drawing of hollow glass articles from a glass bath, the steps consisting of drawing a hollow article from the bath under internal gaseous pressure, deflecting its walls inwardly by die contact, withdrawing the die contact and permitting the hollow article to be enlarged by



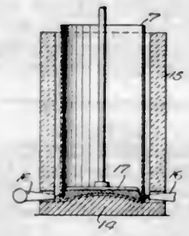
the internal pressure while continuing the draw, and then again deflecting the walls inwardly by die contact while continuing the draw.

1,979,572

METHOD OF FORMING GLASS RECEPTACLES AND ARTICLE PRODUCED THEREBY

Ingvald O. Pedersen, Wilkinsburg, Pa., and Erik G. Stahle, Lumberport, W. Va.

Application May 28, 1931, Serial No. 540,600
7 Claims. (Cl. 49—82)



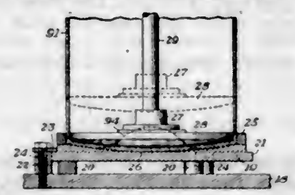
1. In the manufacture of glass receptacles, the steps consisting of assembling a hollow glass article having an open end portion at a higher temperature than its remainder with said heated end portion in operative relation to a mold and feeding glass to said mold, and then applying pressure to the fed-in glass, spreading said glass to form a bottom and causing the spread edge portions of the fed-in glass to contact with the hot end of the article, and welding the same together.

1,979,573

GLASS ARTICLE

Ingvald O. Pedersen, Pittsburgh, Pa., and Erik G. Stahle, Lumberport, W. Va., assignors to Clarence P. Byrnes, Sewickley, Pa., trustee

Original application January 30, 1933, Serial No. 654,122. Divided and this application December 4, 1933, Serial No. 700,788
4 Claims. (Cl. 215—1)



1. As a new article of manufacture, a glass receptacle consisting of a bottomless glass article

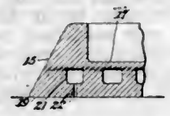
with an external fire polish having a pressed glass bottom with its edges welded to the inner end of the side wall of the article.

1,979,574

SADIRON

Alfred E. Reimers, Harrington Park, N. J.

Application February 17, 1934, Serial No. 711,671
7 Claims. (Cl. 68—26)



1. A sad iron having a base formed with a pressing surface on its underside and comprising two plates faced together, one of said plates having its facing surface recessed to define a plurality of connected steam passages, and means affording a metallic bond between the unrecessed portions thereof with the other plate whereby the plates are integrated, and means for leading fluid into said passages, said base having a plurality of steam discharge outlets formed therein leading directly from one of said passages to said pressing surface.

1,979,575

TIRE BAND

Warren B. Rood, Detroit, Mich., assignor to Herron-Zimmers Moulding Company, a corporation of Illinois

Application April 6, 1931, Serial No. 528,185
2 Claims. (Cl. 150—54)



1. A tire band comprising a single strip of material shaped to extend a greater distance on one side of the tire than on the other and provided with spaced ends which are provided with apertures, the metal from which is flanged over to form a smooth surface, and a strap extending between said band over said smooth surface to draw the band into engagement with the tire surface.

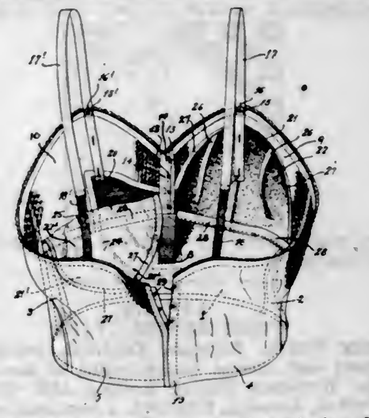
1,979,576

BRASSIÈRE

William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Co. Inc., New York, N. Y., a corporation of New York

Application April 1, 1932, Serial No. 602,506
3 Claims. (Cl. 128—280)

1. As a new article of manufacture, a freely movable pocket lining member adapted to securement only to the lower edge of a brassière pocket and comprising an outer moisture-proof pocket liner, and an inner absorbent lining sheet



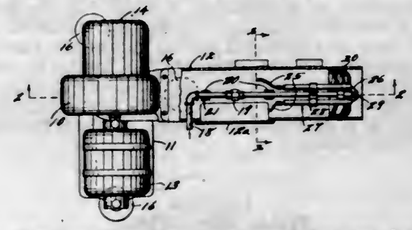
secured directly together over the whole of the edges thereof.

1,979,577

OIL BURNER AIR DIFFUSER

Charles G. Sigwald, Minneapolis, Minn., assignor to Oil-Elec-tric Engineering Corporation, Minneapolis, Minn., a corporation of Delaware

Original application September 14, 1929, Serial No. 392,582. Divided and this application February 6, 1931, Serial No. 513,864
4 Claims. (Cl. 158—76)



1. The combination in an oil burner having an air discharge conduit and an oil discharge pipe of a much smaller diameter extending axially of said conduit and a discharge nozzle at the end of said conduit and in close proximity to the end of said conduit, said conduit constituting the outer end of said burner, of an air diffuser comprising a cylindrical shell fitting in and held in said conduit, said shell having helical ribs extending inwardly therefrom and at a small angle to a plane at right angles to the axis of said conduit, said ribs surrounding said pipe and their inner edges defining an opening through which said pipe passes, said edges being spaced an appreciable distance from said pipe whereby air forced through said conduit is given a whirling motion and moves toward the center of said conduit to pass through said opening.

1,979,578

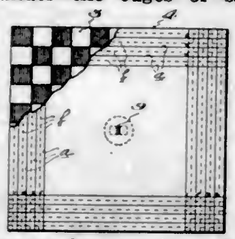
PROTECTIVE MAT FOR DRAWERS

Kate Simmons, Wichita Falls, Tex.

Application April 15, 1933, Serial No. 666,264
4 Claims. (Cl. 45—68.4)

1. A drawer mat including a stiffening board having sizing lines imprinted thereon, to predetermine the operation of conforming the same to a drawer; a moisture proof covering therefor arranged to conceal one side of said board and

having slitted corners whereby its edges may be folded under the edges of said stiffening



board and means for securing said covering on said board.

1,979,579
PUSH BENCH GUIDE

Sydney Smith, London, England, assignor, by direct and mesne assignments, of one-half to The Wellman Seaver Rolling Mill Company, Limited, London, England, a company of Great Britain, and one-half to Press- und Walzwerk Aktiengesellschaft, Dusseldorf-Reisholz, Germany, a German company

Application March 9, 1928, Serial No. 260,435
In Great Britain May 11, 1927
14 Claims. (Cl. 205—4)

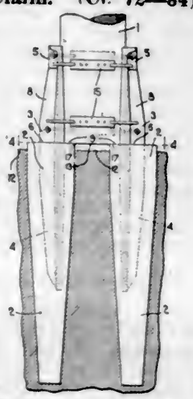


14. In a bench for drawing tubular bodies, the combination of a mandrel, a shaft for the mandrel, a machine part for driving said mandrel and shaft, and an elongated continuous guide, extending parallel to the axis of the mandrel, non-reciprocating during the guiding operation, for guiding said mandrel and shaft and adapted to permit a free passage of said driving machine part thereàlong.

1,979,580
POLE MOUNTING

George B. Spring, Newtonville, Mass., assignor to The Eastern Malleable Iron Company, New Britain, Conn., a corporation of Connecticut

Application March 19, 1931, Serial No. 523,786
1 Claim. (Cl. 72—84)

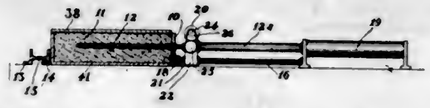


A pole mounting comprising two pole-supporting members each having a foot portion of concrete adapted to set into the earth with the upper end of the foot portion projecting slightly above the earth, a metal post having its lower end embedded in each foot portion, the cross-sectional area of each foot portion being somewhat less than the pole to be supported but greater than the posts, the portion of the upper face of each foot inside of the post constituting a pole-supporting seat, a pole situated between the two posts and resting on said seats, and means to clamp the pole to the upper ends of said posts, the adjacent faces of the foot portions being spaced apart with the space between said faces filled with earth, and also being pointed to facilitate the drawing of the foot portions together in the earth as the posts are clamped to the pole said foot portion having a progressively-increasing cross-sectional area from the bottom to the top whereby the larger end presents an increased surface for earth resistance.

1,979,581
MOLDING MACHINE

Evans M. Staples, Cincinnati, Ohio, assignor to Aluminum Industries, Inc., Cincinnati, Ohio, a corporation of Ohio

Original application October 20, 1933, Serial No. 694,439. Divided and this application March 17, 1934, Serial No. 716,109
7 Claims. (Cl. 22—47)

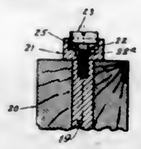


1. In a molding machine, means for forcing a pattern into a flask of lightly packed molding sand, a pattern which is adapted to be so rammed, an oscillatable head on said pattern and means for oscillating said pattern head along the axis of pattern travel.

1,979,582
BINDING POST TERMINAL

Samuel S. Stolp, Louisville, Ky., assignor to Cheatham Electric Switching Device Company

Original application June 11, 1928, Serial No. 284,636. Divided and this application January 20, 1930, Serial No. 422,124
5 Claims. (Cl. 173—259)

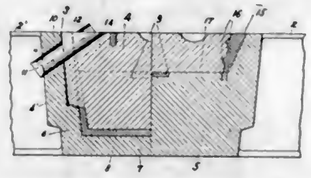


1. A terminal connection comprising a clamping bolt having a shank and an annular head, a cylindrical recess formed in the outer face of the said annular head having its bottom perpendicular to the walls of said recess, a centrally disposed internally threaded opening in the bottom of said recess extending into the shank of the said clamping bolt, a conductor securing means fashioned with a cylindrical screw head having a flat under surface perpendicular to the periphery of said screw head, and a centrally disposed externally threaded shank extending from the said under surface for engaging the said internally threaded opening, said recess adapted to closely fit the periphery of said cylindrical screw head, and off-centered linearly disposed conductor receiving slots in the outer face of the said annular head, having their outer ends terminating on the periphery of the said annular head and their inner ends terminating within the said recess.

1,979,583
CAR TRACK CROSSING

Vangel Theodos, San Francisco, Calif.

Application March 21, 1932, Serial No. 600,275
6 Claims. (Cl. 246—460)

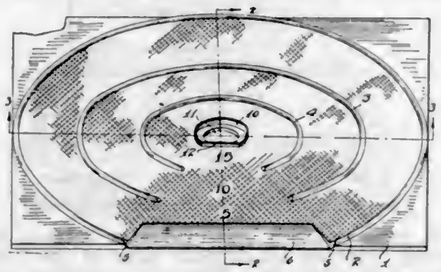


1. A railway track crossing comprising stub rails with an open socket occupying their point of crossing, a block of hard metal in said socket continuing the tread of the rails in both directions, and securing pins at opposite points on the block extending at an angle down through the edges of the block and the wall of the socket, said pins provided with a driving lug adapted to be cut off at the top of the block.

1,979,584
GAME DEVICE

William J. Thompson, Detroit, Mich.

Application November 15, 1932, Serial No. 642,752
9 Claims. (Cl. 273—32)



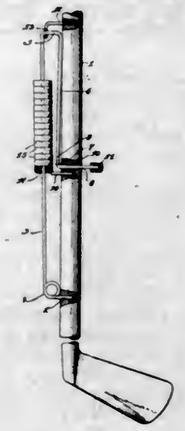
1. A game device for use with a golf ball or the like comprising a mat, a plurality of open substantially concentric, spaced, curved beads on the mat, the ends of the open beads forming a V-shaped entrance for a ball leading toward the center of the beads, and a substantially circular raised portion surrounding the area substantially at the center of the rings and defining a closed area.

1,979,585
COUNTING DEVICE

William J. Thompson, Detroit, Mich.

Application July 7, 1933, Serial No. 679,293
10 Claims. (Cl. 235—123)

1. A counting device comprising a support, a wire-like member fastened to the support and having a body portion extending along the support, a plurality of markers threaded upon the body member, a divider carried by the support and projecting into the path of the markers as they slide upon the support, said body member being flexible whereby it may be flexed away



from the support to permit a marker to move past the divider.

1,979,586
WAX-LIKE SUBSTANCES AND METHOD OF PREPARING SAME

Donald K. Tressler, Pittsburgh, Pa., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

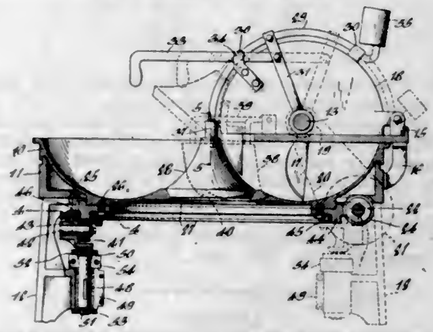
No Drawing. Application September 11, 1929, Serial No. 391,983
22 Claims. (Cl. 260—134)

1. The method of producing unsaturated wax-like products which comprises subjecting higher unsaturated fatty ketones to hydrogenation to effect partial saturation of said ketones until the wax-like products are produced.

1,979,587
MEAT CUTTING MACHINE

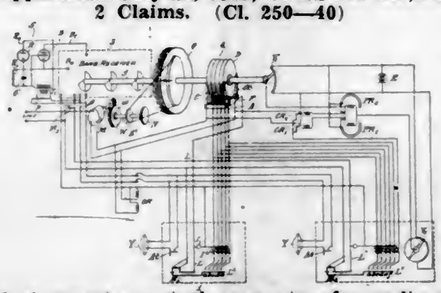
Adrian C. Van Hooydonk, Buffalo, N. Y., assignor to John E. Smith's Sons Company, Buffalo, N. Y., a corporation of New York

Application January 14, 1932, Serial No. 586,578
16 Claims. (Cl. 146—67)



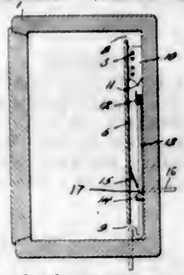
1. In a food cutting machine, the combination of a rotary bowl having rotary cutters arranged therein and a central discharge opening for the food, and a closure for said opening surmounting the bowl and movable over and toward and from the same about the axis of the rotary cutters into and out of its closed position.

1,979,588
REMOTE CONTROL FOR RADIORECEIVERS
Frederick K. Vreeland, Montclair, N. J.
Application July 24, 1929, Serial No. 380,515
2 Claims. (Cl. 250—40)



1. A remote control apparatus for radio receivers wherein are combined a frequency selector, a motor operating such frequency selector, means located at a distance for initiating the operation of the motor, and means in operative relation with the selector for determining the direction and extent of the operation of the selector, said means including a selector positioning element opeartively connected to the selector; electrical connections co-operating with the selector positioning element to control the operation of the motor, and mean for holding the selector positioning element in neutral position while the frequency selector is moved with respect to the selector positioning element, and the selector positioning element is set to correspond to any desired signal frequency.

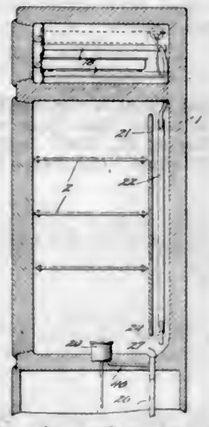
1,979,589
METHOD AND APPARATUS FOR CONDITIONING AIR IN REFRIGERATORS
Carl G. Vretman, Atlanta, Ga.
Application December 2, 1933, Serial No. 700,715
10 Claims. (Cl. 62—103)



10. The method of conditioning air in a food refrigerator comprising circulating the air in the refrigerator, precipitating moisture from the air by chilling to remove contaminating matter, immediately removing the precipitated moisture from further contact with the air, and thereafter rehumidifying the air with fresh uncontaminated moisture to prevent drying of the food and absorbing further contaminating matter exhaled from the food.

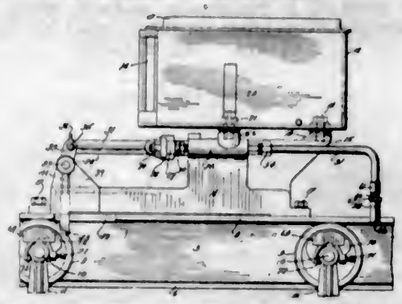
1,979,590
PROCESS AND APPARATUS FOR CONDITIONING AIR IN REFRIGERATORS
Carl G. Vretman, Atlanta, Ga.
Application May 25, 1934, Serial No. 727,534
13 Claims. (Cl. 62—103)

1. In apparatus for conditioning air in refrigerators, means for chilling the air and precipitating contaminated moisture therefrom, means for removing the precipitated moisture from the refrigerator out of contact with the air to prevent reintroduction of the contaminating



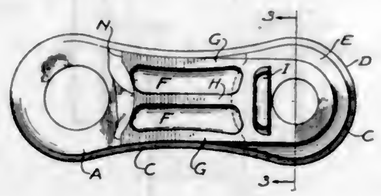
matter into the air, and means for supplying the dried and purified air with fresh uncontaminated moisture in the form of mist.

1,979,591
LUBRICATOR
Joseph R. Warner, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application January 18, 1928, Serial No. 247,587
9 Claims. (Cl. 184—15)



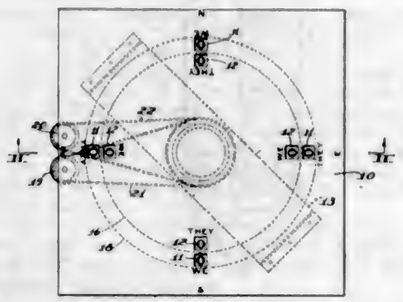
1. In a conveyer system having a track and rollers traveling on opposite sides of the track, the combination of a lubricator mounted upon the track, and comprising a lubricant container, means for delivering lubricant from said container through each of a pair of ducts and into each of a pair of plunger housings, spring-actuated plungers in said housings controlling the effective port area of said ducts, means for adjusting the stroke of said plungers for regulating the quantity of lubricant admitted to the plunger housings through said ducts, conduits connected to each of said plunger housings and extending on opposite sides of said track, discharge nozzles on the ends of said conduits, check valves in said conduits, oil cups on said rollers for catching the lubricant discharged from said nozzles, and trip levers connected to said plungers and extending into the path of said rollers, whereby the travel of the rollers will cock the plungers against the resistance of the spring thereof and later release the plungers to permit the same to force the lubricant contained in said plunger housings into the conduits and out of the discharge nozzles when the oil cups are beneath the nozzles.

1,979,592
CHAIN LINK
Charles R. Weiss, Indianapolis, Ind., assignor to Link Belt Company, a corporation of Illinois
Application December 26, 1931, Serial No. 583,358
3 Claims. (Cl. 59—84)



1. A chain link side bar formed to provide relatively offset end portions disposed in substantially parallel planes, and an intermediate connecting portion, said bar being of substantially uniform thickness throughout its length except at the zones of juncture of said intermediate portion with said offset portions, at which zones the thickness of said bar is substantially increased to provide added strength, said intermediate portion having formed in one surface thereof two elongated depressions of substantial depth, with an intermediate strengthening rib, said bar having endless marginal grooves on both surfaces thereof, and another intermediate strengthening rib extending entirely around the edge of said bar.

1,979,593
SCORE DISPLAYING MEANS
Harry L. White, Pittsburgh, Pa.
Application February 29, 1932, Serial No. 595,750
2 Claims. (Cl. 273—148)



1. A score displaying device for use in the game of contract bridge, comprising a table top having formed therein two sets of circularly disposed openings of four each, each opening of each set being disposed opposite a player; indicia means, designating a pair of players, disposed adjacent one pair of openings of one set and the opposed pair of openings of the other set; indicia means, designating the other pair of players, disposed adjacent the other pair of openings of said sets; a disc rotatably mounted beneath said table top having thereon four sets of numbers arranged to be visible through the four openings of one of said sets of openings, each number of said sets representing a possible score at the game; and a second disc rotatably mounted beneath said table top concentric with the first disc and having repeated thereon four sets of numbers arranged to be visible through the other of said sets of openings, the sets of numbers being the same as those of the first-named disc.

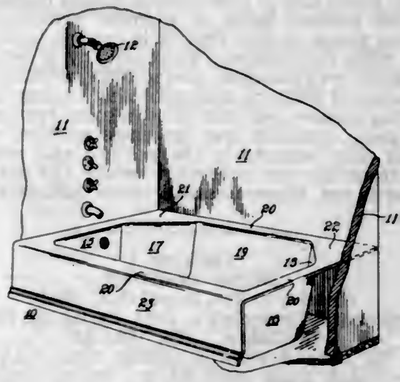
1,979,594
MANGANESE - MOLYBDENUM - VANADIUM STEEL AND ARTICLES MADE THEREFROM
Sidney D. Williams, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
No Drawing. Application October 3, 1931, Serial No. 566,788
3 Claims. (Cl. 75—1)

1. An article, such as a boiler tube or the like, for use at elevated temperatures, e. g., from 750° to 1000° F., characterized by high creep strength at such temperatures and by being formed from a steel alloy containing from about 0.01 to 0.5 per cent of carbon, about 1 to 3 per cent of manganese, about 0.01 to 0.5 per cent of molybdenum, about 0.01 to 0.5 per cent of vanadium, not more than about 0.5 per cent of silicon, and the remainder effectively iron.

1,979,595
PRODUCTION OF IRON OXIDE PIGMENT
Robert O. Wood, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 26, 1930, Serial No. 431,633
11 Claims. (Cl. 134—59)

1. A process for the production of a pigment which comprises finely grinding an iron oxide reduction sludge, in an aqueous alkaline medium and calcining the ground sludge.

1,979,596
BATHING FIXTURE
Arthur P. Woolfolk, Pittsburgh, Pa., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey
Application June 4, 1932, Serial No. 615,404
7 Claims. (Cl. 4—173)



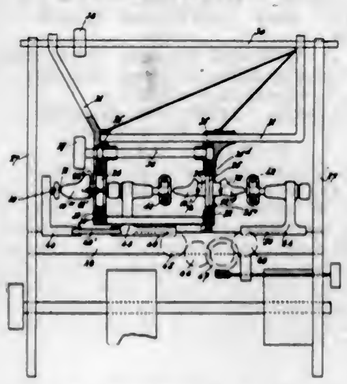
1. A bathing fixture comprising a body having a bottom, a relatively long side wall, a relatively short side wall, end walls extending at right angles to said relatively long wall and diagonal walls connecting said end walls with the relatively short side walls.

1,979,597

MANUFACTURE OF LASTS

Paul Amann, Nanterre, and Andre Ple, Paris, France

Application May 25, 1932, Serial No. 613,540
In France June 16, 1931
4 Claims. (Cl. 142—15)



1. A machine for turning shoe lasts, which comprises in combination, a stationary frame, a swinging frame pivoted to said stationary frame, two parallel face plates carried by one of said frames, a profiling roller and two cutting means carried by the other frame, said profiling roller being located opposite one of said face plates and said cutting means being symmetrically disposed on either side of the other face plate respectively, a pattern secured to the first mentioned face plate in an overhung position and adapted to cooperate with said profiling roller, means for securing a wooden block to each face of the second mentioned face plate in an overhung position, means for causing said cutting means to move symmetrically with respect to the second mentioned face plate in a direction parallel to the axis thereof, means for causing said profiling roller to move in a direction parallel to the axis of said face plate synchronously with the axial displacements of said cutting means, means for causing said face plates to rotate at the same speed relatively to said profiling roller and to said cutting means respectively, the pattern being of a shape corresponding to the shape of last that it is desired to obtain, but with its thickness increased by a constant quantity over its whole surface, the profiling roller being of a shape corresponding to that of the cutting means, but with its thickness reduced by the same quantity over its whole surface, and a small piece secured to the pattern and projecting from the end thereof, whereby the profiling roller is not allowed to fall down past said pattern.

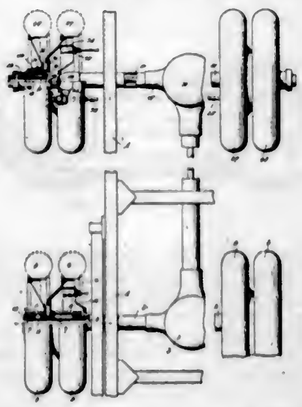
1,979,598

ROAD VEHICLE

Charles S. Ash, Royal Oak, Mich.

Application December 5, 1925, Serial No. 73,337
16 Claims. (Cl. 180—22)

4. In a road vehicle having front and rear axles, said front axle having wheel mounting end members pivotally attached to the ends of said axle to turn upon upwardly extending axes in steering the vehicle, a pair of wheels mounted upon each end of the rear axle for independent rotation of the wheels of each pair upon a common axis coincident with the longitudinal axis of said axle, a pair of wheels mounted upon each of said front axle pivoted end members for independent rotation of the wheels of each pair thereon upon a common axis coincident with the longitudinal axis of each end member, the pivot of connection of each end member to its axle being positioned between the planes of the outer



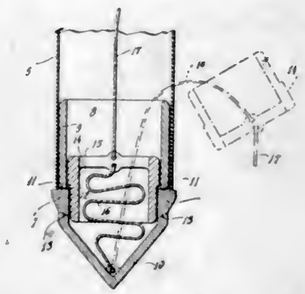
side of the outer wheel and the inner side of the inner wheel of each pair of wheels thereon, the wheels of each pair being spaced apart and each wheel being provided with a separate pneumatic tire.

1,979,599

PILE POINT

Warren L. Bald, Beverly Hills, Calif., and Elwood S. Deakyne, Laurel, Md.

Application September 30, 1933, Serial No. 691,586
Renewed September 18, 1934
6 Claims. (Cl. 61—78)



1. A pile casing provided with a detachable pile point comprising a body part slidable within the casing, driving lugs laterally slidable through slots formed in the walls of said body part and projecting therefrom, the projecting portions of said lugs being provided with perforations, and the lugs being provided with means coacting with said body part to limit the movement of the lugs in said slots, stop pins temporarily disposed within said perforations and adapted to hold said lugs in projected position, and a locking sleeve slidable lengthwise within said body part and adapted to engage the inner faces of said driving lugs and lock the latter in projected position, whereby the stop pins may be removed, said sleeve having connection with the pile point whereby the retraction of the sleeve will withdraw the point subsequent to movement of the driving lugs from projected position.

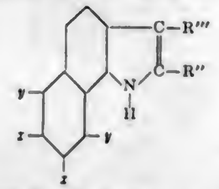
1,979,600

WATER-INSOLUBLE AZODYESTUFFS

Fritz Ballauf and Albert Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 26, 1932, Serial No. 634,982. In Germany October 5, 1931
8 Claims. (Cl. 260—86)

1. The dyestuffs of the general formula:



wherein one "y" stands for the group —N=N—R, in which group R stands for the radical of a diazotizable amine suitable for producing an azodyestuff, the other "y" stands for hydrogen, one "x" stands for a hydroxy group in ortho-position to the azo-bridge, the other "x" stands for the group —CO—NH—R', wherein R' stands for a radical of the benzene or naphthalene series, R'' stands for a hydrocarbon radical, R''' stands for hydrogen or a hydrocarbon radical or R'' and R''' jointly stand for a tetramethylene chain, and wherein all nuclei may be substituted by substituents selected from the group consisting of alkyl, alkoxy, halogen, the nitro group, yielding generally when produced on fibre violet to bluish-black shades of good fastness properties.

1,979,601

CONVERSION PRODUCTS OF CASEIN

Rudolf Bauer, Cologne-Deutz, and Gustav Mauthe, Cologne-Holweide, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 17, 1933, Serial 666,633. In Germany May 17, 1932
9 Claims. (Cl. 260—9)

1. The process for the manufacture and production of ester-like conversion products of casein, showing a basic reaction and being insoluble in water but soluble in aqueous acid solutions, which comprises acting with an alkylene oxide on an aqueous, from neutral to weakly acid suspension of casein until the product shows an alkaline reaction.

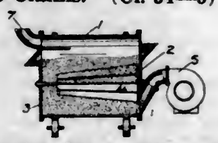
7. Conversion products of casein which are hydroxyl-alkyl esters of casein, show a basic reaction and are insoluble in water but soluble in aqueous acid solutions.

1,979,602

APPARATUS FOR CARRYING OUT HEAT EXCHANGE PROCESSES

Gustav Bojner, Stockholm, Sweden, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden

Application August 18, 1931, Serial No. 557,866
In Sweden August 2, 1930
13 Claims. (Cl. 34—5)



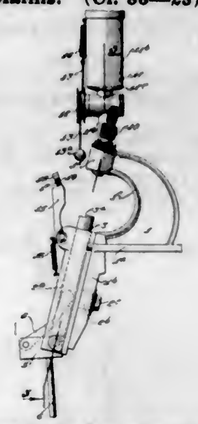
10. An apparatus for carrying out a heat exchange process on materials in the form of powder, grains and pieces by transferring heat between the same and a gas, comprising a substantially horizontal rotatable drum for receiving the material, said drum having a rotatable vane-wheel, a shaft for the vane-wheel journalled substantially under the level of the charge and in the longitudinal direction of the drum, in which the rotatable vane-wheel is arranged so as to be traversed by a fluid in order to effect an exchange of heat between the same and the charge.

1,979,603

CARTRIDGE RELOADER

True L. Bosler, San Diego, Calif.

Application July 10, 1933, Serial No. 679,744
12 Claims. (Cl. 86—23)



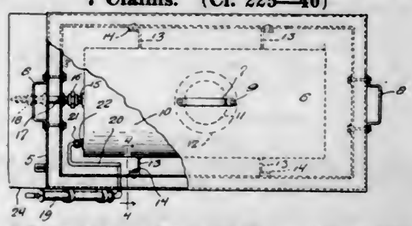
1. In a cartridge reloader, a frame, a plurality of cartridge treating means carried by said frame and adapted to perform the various steps taken in reloading a cartridge, said means disposed with their axes intersecting at a common center, a support pivotally mounted about said common center, and a cartridge holder carried by said support, said support being shiftable to bring said holder and a cartridge into axial alinement with any of said treating means.

1,979,604

BEVERAGE COOLING AND DISPENSING APPARATUS

Kenneth M. Burdge, Cincinnati, Ohio

Application December 6, 1933, Serial No. 701,190
7 Claims. (Cl. 225—40)



1. A beverage cooling and dispensing apparatus comprising, in combination, a metallic outer receptacle having a removable lid, said receptacle and its lid being of spaced double-wall construction, a horizontal cylindrical beverage container mounted within said outer receptacle and sustained in spaced relation to the walls of the latter and to the lid to provide for the packing of ice within the outer receptacle completely around the beverage container, said beverage container having a top filling opening provided with a re-

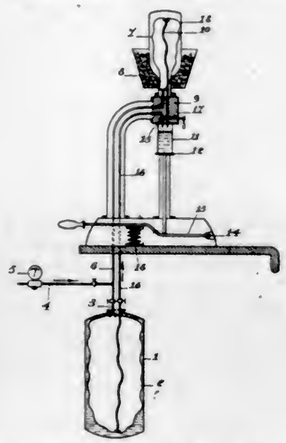
movable closure and further having a beverage outlet in its front wall and at the bottom of the same, a beverage discharge pipe connected to said outlet and extending through the front of the outer receptacle, a faucet connected to the projecting end of said discharge pipe, a hand-operated air pump rigidly mounted on one side of the outer receptacle near the front of the latter in a rearwardly and downwardly inclined position and with its compressed air outlet at the lower rear end thereof, said beverage container having a compressed air inlet in the front end thereof and near the top of the same, and a compressed air conducting pipe extending through the side of the outer receptacle and connecting the compressed air outlet of the pump with the compressed air inlet of said beverage container.

1,979,605

METHOD AND APPARATUS FOR DISPENSING GAS CONTAINING BEVERAGES AND THE LIKE

Eugène Charmat, Paris, France

Application January 14, 1931, Serial No. 508,771
In France January 28, 1930
8 Claims. (Cl. 225—11)



1. A dispensing apparatus for liquids comprising a container for the liquid to be dispensed, a second container for a gas, a source of pressure, conduits connecting said source to each of said containers, conduits leading from said containers to a vessel to be filled and a valve interposed in said conduits so that the pressure of the air in the vessel may be raised to substantially the pressure of the liquid to be dispensed therein before said liquid is dispensed.

1,979,606

PROCESS FOR PRODUCING WHITE LUMINOUS TUBES OF ELECTRIFIED NEON GAS

Rodolph de Lamprecht, Vancouver, British Columbia, Canada, assignor to The Cold White Light Inc., Seattle, Wash.

No Drawing. Application August 22, 1933, Serial No. 686,321
5 Claims. (Cl. 176—122)

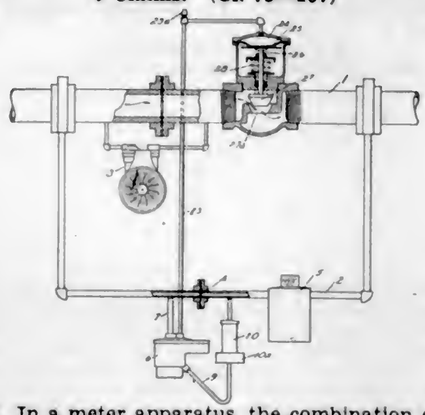
4. A process for reducing the heat of neon gases in tubes during luminosity that comprises lessening the electrical resistance of said gases by the addition of ether gas whereby the said gases may be made luminous by an electrical current of low potential.

1,979,607

METER APPARATUS

John C. Diehl, Erie, Pa., assignor to American Meter Company, New York, N. Y., a corporation of Delaware

Application January 3, 1931, Serial No. 506,399
7 Claims. (Cl. 73—167)



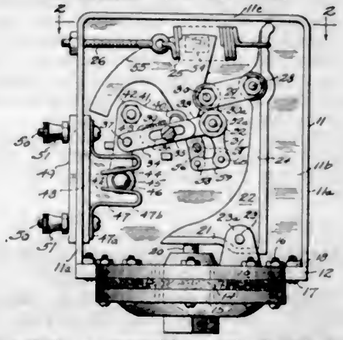
1. In a meter apparatus, the combination of a main conduit; a shunt conduit; a meter in the shunt conduit; a large capacity meter in the main conduit; a cut-off valve in the main conduit; a cut-off valve controlling means actuating said cut-off valve; a restriction in the shunt conduit; a differential pressure responsive means connected with the high and low sides of the shunt conduit including a liquid subjected to the differential pressure and a float carried by the liquid; a control valve; means actuated by the float for controlling the control valve; and a pressure connection to the cut-off valve controlling means controlled by said control valve.

1,979,608

PRESSURE SWITCH

Stanley R. Du Brie, Detroit, Mich.

Application January 11, 1934, Serial No. 706,208
1 Claim. (Cl. 200—83)



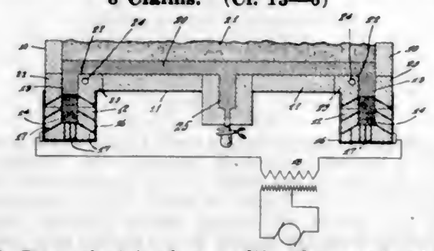
In a switch, a movable contact set, including a rotating arm, a rod of insulation carried thereby and disposed perpendicularly thereto and parallel to the axis of rotation thereof, the arm being connected to the rod at the central point of the latter, separate and independent metal sleeves on said rod, and separate and independent stationary contact sets, each including separated stationary retroverted U shaped spring contacts having a space therebetween, and means for rotating said arm and thus causing each sleeve to advance into each space with a rotary sliding motion, and to spring apart said contacts.

1,979,609

APPARATUS FOR MAKING AND REFINING GLASS

John Ferguson, Indianapolis, Ind.

Application August 6, 1932, Serial No. 627,706
8 Claims. (Cl. 13—6)



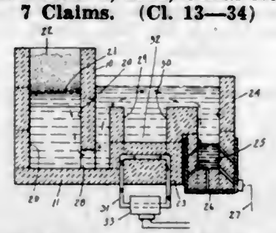
1. In an electric glass-melting furnace in which molten glass is the resistor element, an electrode comprised of lead, an electrode-container of refractory material, and a metallic casing surrounding said container, said container having one or more passages of relatively small cross-sectional area extending through its wall through which the lead of said electrode may extend into electrical contact with said casing.

1,979,610

APPARATUS AND PROCESS FOR HEATING GLASS FURNACE FOREHEARTHS

John Ferguson, Indianapolis, Ind., assignor to Fairmount Glass Works, Indianapolis, Ind., a corporation

Application June 5, 1933, Serial No. 674,303
7 Claims. (Cl. 13—34)



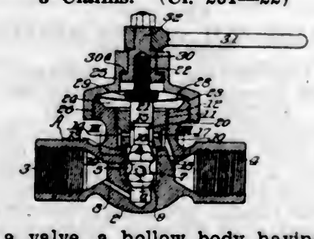
5. The method of controlling temperature of molten glass contained within a reservoir, consisting in passing an electric heating current therethrough in a given direction, and controlling the position of the path of the heating current relative to the surface of the glass by an auxiliary electric current insulated therefrom.

1,979,611

VALVE

John S. Forbes, Pittsburgh, Pa., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 9, 1932, Serial No. 604,190
3 Claims. (Cl. 251—22)



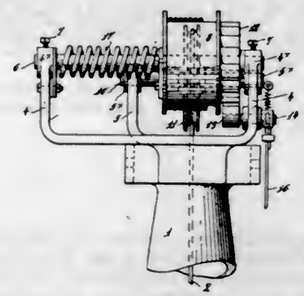
1. In a valve, a hollow body having a valve chamber and fluid passages therein communicating with said chamber, a valve seat between one of said passages and the chamber, an intermediate chamber communicating with the valve chamber, a fluid passage communicating with the intermediate chamber, a valve seat between said chambers, a valve member in the valve chamber having opposed faces for alternately engaging said seats, a supplemental chamber adjoining the intermediate chamber, a diaphragm closing the supplemental chamber, said valve member having a valve stem extending from the valve chamber through the intermediate chamber and the diaphragm and connected to the diaphragm, with said stem having a reduced portion and an enlarged guiding portion on one side of the diaphragm, and a threaded portion on the opposite side of the diaphragm, said guiding portion cooperating with the wall of said intermediate chamber, and means cooperating with said threaded portion for moving said valve member.

1,979,612

DRUM OPERATING MECHANISM FOR PORTABLE CRANES

Thorvald N. Garson, New Brighton, Staten Island, N. Y.

Original application January 25, 1932, Serial No. 588,645. Divided and this application July 25, 1932, Serial No. 624,501
1 Claim. (Cl. 242—109)



In portable cranes, drum-operated latching means comprising a hollow standard adapted to support a boom, a bracket mounted upon the top of the hollow standard and having opposed vertical arms, each arm at its top being formed with a bearing aperture, the arms being disposed at opposite sides of the hollow area of the standard and one of said arms being projected a substantial distance laterally of the standard, a shaft mounted in the bearing apertures of said arms and extending transversely of said hollow area of the boom, a drum carried by said shaft in registration with said hollow area of the standard and disposed a substantial distance from said laterally projected arm, a spring mounted on the shaft intermediate said laterally projected arm and the drum and connected to the drum and to said arm, a ratchet wheel fixed upon the drum, a pawl for engaging the teeth of the ratchet wheel and means for operating said pawl.

1,979,613

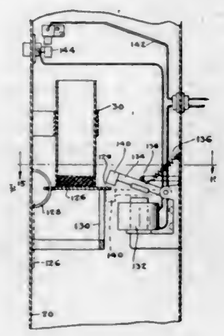
DEVICE FOR DELIVERING TOKENS

Juil R. Goggins, Minneapolis, Minn.

Application October 25, 1929, Serial No. 402,536
7 Claims. (Cl. 312—35)

2. In a device for delivering tokens, the combination of a holder, let-off mechanism for releasing tokens from said holder, said mechanism

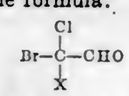
having a neutral position, a source of light, and means for causing said light to be extinguished



when said mechanism is in neutral position and to be lit at other times.

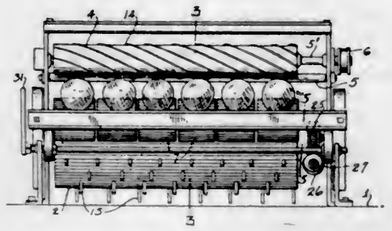
1,979,614
HALOGENATED ETHANOL
Erich Goth, Wuppertal - Elberfeld, Friedrich Kayser, Wuppertal-Hammerstein, and Martin Kühn, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 17, 1933, Serial No. 661,416. In Germany March 23, 1932
10 Claims. (Cl. 260—156)

1. In the process of preparing chloro-bromo-ethanols the step which comprises reacting upon an aldehyde of the formula:



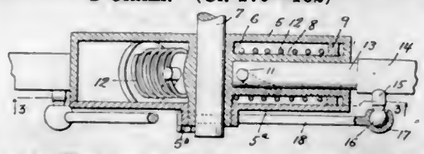
wherein X stands for chlorine or bromine, with a reducing agent selected from the group consisting of alcoholates of aluminium, zirconium and magnesium and their partially halogenated derivatives.

1,979,615
FRUIT AND VEGETABLE PEELER
Ralph V. Grayson, Atlanta, Ga.
Application October 19, 1931, Serial No. 569,777
10 Claims. (Cl. 146—43)



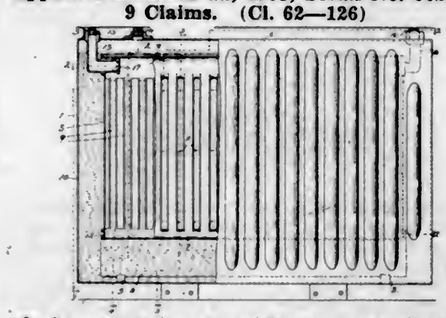
1. A peeler comprising a plurality of rollers having substantially parallel axes, two of said rollers arranged in spaced relation in a substantially horizontal plane to constitute propellers and a third roller arranged above and substantially medial of said propellers; knife means on said third roller; means on one of said propeller rollers adapted to advance an object axially, and means for rotating said rollers.

1,979,616
PROPELLER CONTROL
Fred Haidle and Balthaser Haidle, Fallon, Mont.
Application April 28, 1934, Serial No. 722,983
1 Claim. (Cl. 170—162)



A propeller comprising a casing open at its front side, a barrel extending through the casing a closure plate at the front of the casing rotatably mounted on the barrel, a drive shaft extending into the barrel and being keyed thereto, tubes radiating from the barrel in the casing and being provided at their outer ends with adjusting nuts, said tubes being provided with spiral grooveways, propeller blades having shanks disposed into the casing and into the said tubes, each of the said shanks being provided with a pintle disposed into the corresponding tube grooveway, a coiled compressible spring on each of the tubes interposed between the corresponding adjusting nut and the corresponding propeller shank pin, and pivotal tie rods between the propeller and the rotatable closure plate whereby the blades will adjust themselves in unison.

1,979,617
MECHANICAL REFRIGERATION UNIT
Frederick J. Heideman, Detroit, Mich., assignor to Kold-Hold Manufacturing Company, Lansing, Mich., a corporation of Michigan
Application March 22, 1933, Serial No. 662,128
9 Claims. (Cl. 62—126)

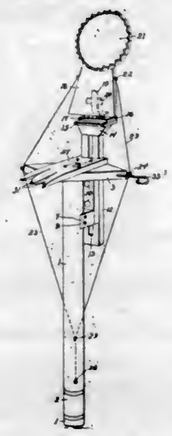


6. An evaporator comprising an upper elongated chamber, a lower elongated chamber, a plurality of tubes connecting said chambers, and means for delivering a refrigerant to one end of said upper chamber and withdrawing it from the other end of said upper chamber, said delivery means being fashioned to direct the refrigerant into the tube nearest to the inlet end of said upper chamber.

1,979,618
PACKAGE AND ARTICLE HANDLING IMPLEMENT
Carl Hellwig, Cali, Colombia
Application January 23, 1934, Serial No. 707,963
13 Claims. (Cl. 294—22)

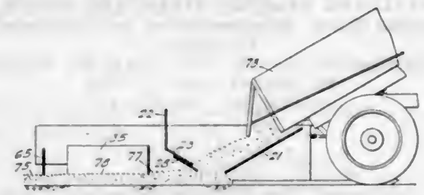
1. An implement of the character stated including a pole, a platform mounted on an end of the pole, a stationary tongue secured to the platform and projecting beyond the limits of the same, a bar slidably adjustably mounted on the pole and projecting above the platform, a tongue hingedly mounted on the end of said bar for swinging over said stationary tongue, means con-

trolled by the user at a point remote from the platform for moving said hinged tongue down-



wardly and means for lifting said tongue when said last-named means is released.

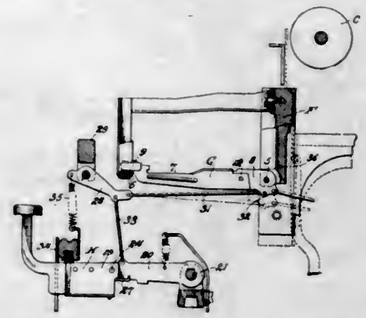
1,979,619
ROAD BUILDING MACHINE
David A. Hemstreet and Joseph W. Bell, Marysville, Calif.
Application January 9, 1932, Serial No. 585,730
21 Claims. (Cl. 94—44)



1. In combination with a road building machine, a hopper provided with a sloping bottom and an opening in the bottom, a gate adapted to coincidently restrict said opening and control the depth of material deposited on a road bed from said hopper, said gate being independently adjustable at each end whereby the volume of material deposited may be varied transversely of a road bed, and the material to be cut through by the gate is proportionate to the height of the gate above the road base and the volume required.

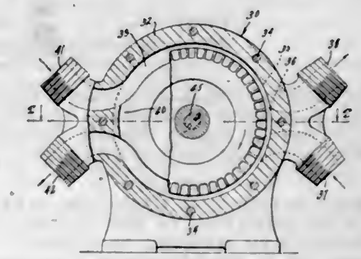
1,979,620
TYPEWRITING MACHINE
Edward B. Hess, Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application December 11, 1933, Serial No. 701,893. Divided and this application March 29, 1934, Serial No. 718,015
2 Claims. (Cl. 197—106)

1. A key lever comprising hingedly connected power and fulcrum sections arranged end to end in longitudinal alinement, the inner end of the power section being provided with a longitudinally extending recess to receive and house the inner end of the fulcrum section, cooperating stop shoulders on the meeting ends of said sections to limit the swinging movement in one direction of the power section relative to the fulcrum section, said shoulders comprising a V-shaped projection on the end of one section and a correspondingly shaped recess in the end of the other section for receiving said projection, the angle of the recess being greater than the angle



of the projection, and a spring housed within said longitudinally extending recess and directly cooperating with both sections to normally and yieldably retain the power section against swinging movement relative to the fulcrum section.

1,979,621
BALANCED TURBULENCE PUMP
Aladar Hollander, Berkeley, Calif.
Application January 20, 1933, Serial No. 652,675
5 Claims. (Cl. 103—96)

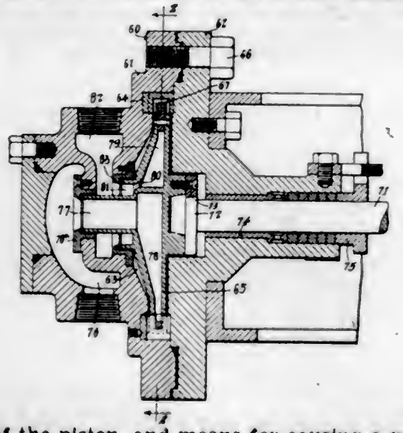


1. In a balanced turbulence pump, casing means having a plurality of fluid channels arranged in different planes, a single separator for each channel positioned to separate the inlet from the outlet ends of their respective channels and arranged in equally spaced angular relation, an impeller for each fluid channel arranged to form an effective fluid seal with the separator thereof, and said casing having appropriate inlet and outlet passages for each channel.

1,979,622
ROTARY HYDRAULIC MACHINE
Aladar Hollander, Berkeley, Calif.
Application January 20, 1933, Serial No. 652,676
18 Claims. (Cl. 103—96)

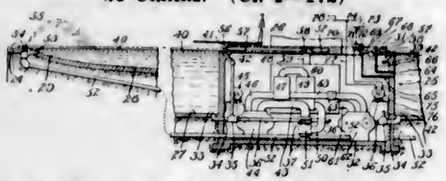
1. In a rotary hydraulic machine an annular channel having rough walls, a casing means arranged to form an operative fluid seal for closing the annular channel and provided with a smooth surface facing said channel, a piston carried by said casing and arranged to project into the fluid channel and to form an operative fluid seal with the rough surface thereof, a fluid inlet passage formed in the casing and arranged to communicate with the fluid channel adjacent the suction end of the piston, a fluid outlet passage

formed in the casing and arranged to communicate with the fluid channel adjacent the discharge



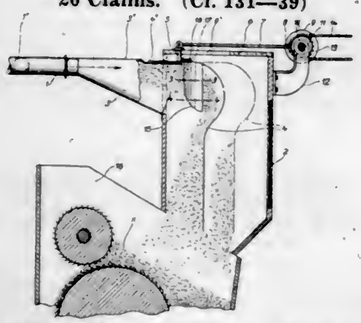
end of the piston, and means for causing a relative movement between the channel and casing.

1,979,623
RECREATION POOL
Frank B. Hunter, Indianapolis, Ind.
Application May 31, 1930, Serial No. 458,133
25 Claims. (Cl. 4—172)



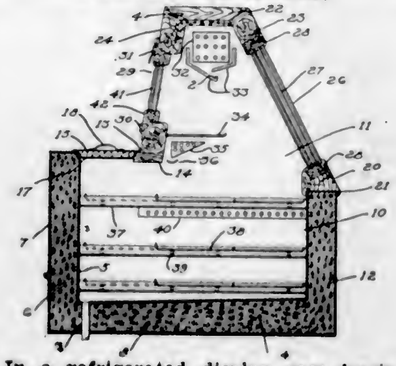
1. A swimming and skating pond comprising a masonry floor sloping smoothly upwardly and outwardly from its center and into a plane above the water line at the limits of said pond.

1,979,624
APPARATUS FOR THE UNIFORM DISTRIBUTION OF TOBACCO IN THE SPREADER OF A CIGARETTE-MAKING MACHINE
Alexander Herbert Klüx, Dresden, Germany, assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application January 28, 1932, Serial No. 589,500
In Germany February 6, 1931
20 Claims. (Cl. 131—39)



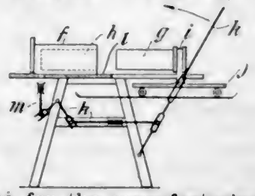
1. Apparatus for the uniform distribution of tobacco in the spreader of a cigarette making machine comprising pneumatic delivery means for the tobacco, an impact surface located in the path of the current of air delivering the tobacco and means for varying the distance of said impact surface from said pneumatic delivery means.

1,979,625
REFRIGERATED DISPLAY CASE
Andrew E. Knapp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application September 18, 1930, Serial No. 482,732
5 Claims. (Cl. 62—89.5)



1. In a refrigerated display case having an opening in the top wall thereof, a plurality of vertically spaced shelves slidably positioned in said case beneath said opening, horizontally positioned heat absorbing means disposed directly below one of said shelves and above another of said shelves, and closure means for said opening.

1,979,626
MEANS FOR MANUFACTURING HOLLOW BUILDING BLOCKS, TILES, AND BRICKS
Thomas Koldl, Hoheneggelsen, near Hildesheim, Germany
Application May 31, 1933, Serial No. 673,778
In Austria June 7, 1932
6 Claims. (Cl. 25—1)

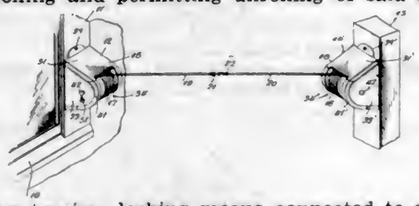


1. A device for the manufacturing of hollow and also solid building blocks, tiles, and bricks of plastic materials by the forcible insertion into a solid work piece of a hollow body adapted to separate a plug of material therefrom, comprising in combination a hollow tubular member having smooth outer and inner surfaces, a cutter formed integrally with the forward end of the said tubular member, and an inwardly extending off-set portion to the rear of the said cutter adapted to constrict the internal diameter of the said tubular member in the vicinity of the forward and operative end.

1,979,627
CLOTHESLINE ARRANGEMENT
Henry Kozak, Clifton, N. J.
Application May 31, 1933, Serial No. 673,693
5 Claims. (Cl. 68—3)

1. In a clothes-line attachment to be strung from a window or other convenient place of access to a relatively distant elevated support, a near reel and a far reel, the former to be attached adjacent the place of access and the latter to be attached to a relatively distant support, a connecting line extending between and reeled in

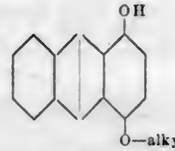
opposite directions on both of said reels and each reel being provided with a casing, a roller holding the line, and a pivot mount for said roller, said rollers being provided with springs for causing re-rolling and permitting unrolling of said line



under tension, locking means connected to said rollers and to the casings to hold the rollers in any desired position, the springs on said reels opposing each other so as to hold the line taut therebetween.

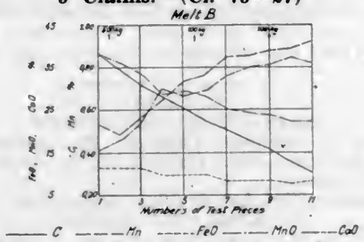
1,979,628
MONO ALKYL ETHERS OF 1,4-DIHYDROXY ANTHRACENE
Georg Kränzlein and Ernst Runne, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 15, 1933, Serial No. 702,647. In Germany December 16, 1932
3 Claims. (Cl. 260—150)

1. 1-hydroxy-4-alkoxy-anthracenes of the general formula:



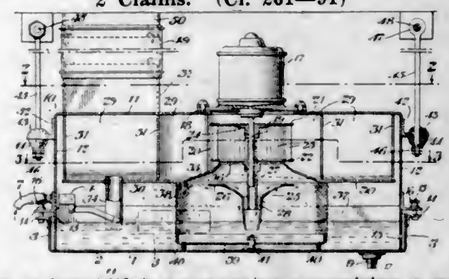
which compounds are soluble in alkalies and are easily oxidizable in these solutions.

1,979,629
STEEL AND PROCESS FOR ITS PRODUCTION
Paul Kühn, Niederschelden-on-the-Sieg, Germany, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
Application August 29, 1930, Serial No. 478,749
In Germany September 14, 1929
5 Claims. (Cl. 75—27)



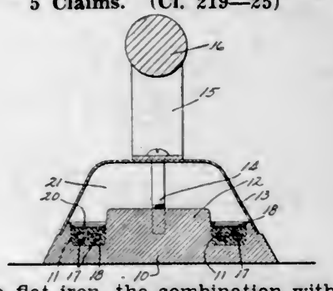
1. A two-period process of producing a steel of high tenacity and low sensitivity to cold brittleness, ageing and blue shortness in a basic open hearth furnace, which comprises oxidizing manganese during the first of said periods and transferring said manganese into the slag and then continuously reducing manganese from the slag and continuously increasing the manganese content of the steel throughout the second period, thereby transferring the reduced manganese from the slag into the bath so that the process is terminated without adding ferro-manganese as a deoxidizing agent before the tapping.

1,979,630
HUMIDIFIER
Edward S. Lea, Morrisville, Pa., assignor to Fitz Gibbon & Crisp, Inc., Trenton, N. J., a corporation of New Jersey, trustee
Application April 4, 1933, Serial No. 664,300
2 Claims. (Cl. 261—91)



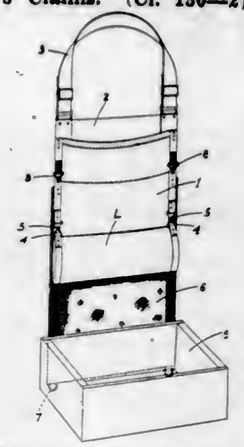
1. A humidifying apparatus comprising a water reservoir, a centrifugal device power driven on a substantially vertical axis to raise water from the body of water in the reservoir and sling it outward laterally in a sheet around its periphery, a foraminous annular screen surrounding the periphery of said centrifugal device to receive said sheet against it and having its lower end immersed in the body of water in the reservoir, to conduct water received against the screen from the centrifugal device downward and form an annular descending film of water on the screen, the screen being exposed to the atmosphere around its outer side, a centrifugal fan in suction connection with the space enclosed by the screen to draw its intake of air through said water film on the screen and through said sheet discharged from the centrifugal device, and a spiral discharge conduit surrounding the fan and having several convolutions with a continuous spiral wall, the central convolution being laterally open to the periphery of the fan to receive the fan discharge across the conduit and directly against said spiral wall and the conduit being adapted to conduct substantially the entire volume of air discharged from the fan continuously along a true spiral path.

1,979,631
FLATIRON
Charles C. Maurer, Dover, Ohio, assignor to Dover Manufacturing Company, Dover, Ohio, a corporation of Ohio
Application October 28, 1933, Serial No. 695,601
5 Claims. (Cl. 219—25)



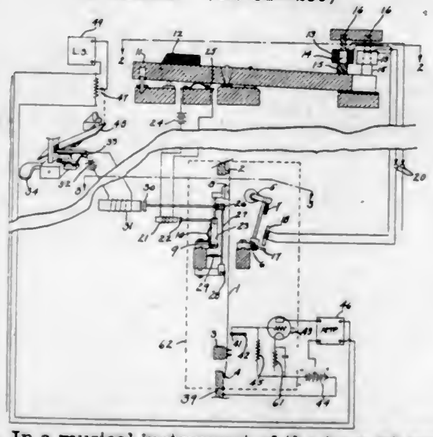
4. In a flat iron, the combination with a sole plate provided with a channel, of an electrical resistance element in the channel provided with a dielectric material thereabout, and an armor for said resistance element and said dielectric comprising a deformable resilient plate initially wider than the channel and transversely deformed therein in pressure relationship to the side walls of the channel.

1,979,632
FRUIT PICKING BAG
Harry B. McClure, Visalia, Calif.
Application March 7, 1934, Serial No. 714,469
3 Claims. (Cl. 150—2)



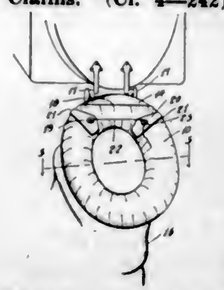
1. In combination with a fruit picking bag having an intake opening at its upper end and another opening at its lower end for the discharge of the fruit, said lower opening being normally closed; a flexible apron secured at its upper end on the back of the bag toward the top of the same, the length of the apron being such that its lower portion may be folded upwardly in front of the bag and above said lower opening, and means to releasably retain the apron in such folded position.

1,979,633
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application October 12, 1932, Serial No. 637,403
8 Claims. (Cl. 84—259)



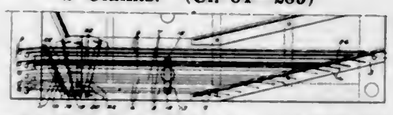
1. In a musical instrument of the type wherein a plurality of tuned vibrators are selectively excited by selective electric actuation of electromagnetically operative exciting devices respectively associated therewith: means for selectively actuating said devices, comprising a plurality of keys each movable at various velocities and a plurality of magneto-electric generators, each mechanically associated with one of said keys, electrically connected with one of said exciting devices, and arranged to generate upon key depression an electric impulse of amplitude directly responsive to the velocity of such key depression.

1,979,634
TOILET SEAT COVER
Arvid Nelson, Jamestown, N. Y.
Application September 15, 1933, Serial No. 689,625
5 Claims. (Cl. 4—242)



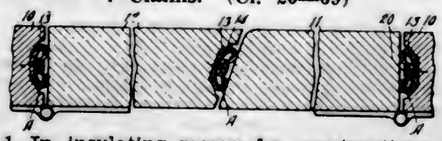
1. A toilet seat cover, comprising a continuous ring of crepe paper having its wrinkles or pleats extending transversely of the ring and adapted to stretch circumferentially intermediate of its edges to enclose and cover a toilet seat, and means to secure the ring on the seat.

1,979,635
MUSICAL INSTRUMENT
Gustaf Bernhard Nygren, Krylbo, Sweden
Application May 15, 1933, Serial No. 671,239
In Sweden May 2, 1932
2 Claims. (Cl. 84—285)



1. In a musical instrument, groups of substantially parallel arranged strings, which are tuned in certain chords, rods on which the ends of the strings rest, one of the rods being arranged at an acute angle to the longitudinal direction of the strings, a set of upwardly swinging rods arranged at an acute angle with respect to each other and, which act on the same strings for shortening them, said swingable rods being provided with recesses for certain of the strings, in order that the strings will not be shortened upon the upward swinging of the rods, and the swingable rods being also slidable in their longitudinal direction so that the recesses do not leave any strings free.

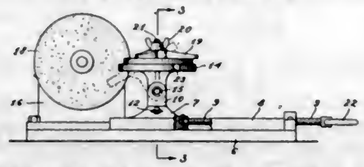
1,979,636
INSULATION FOR DOORS
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 8, 1931, Serial No. 567,629
7 Claims. (Cl. 20—69)



1. In insulating means for constructions including two relatively movable members adapted to have their end edge faces brought into overlying relation, the edge face of one of said members being grooved and the cooperating edge of the other member being flat, the combination with an insulating unit including a resilient

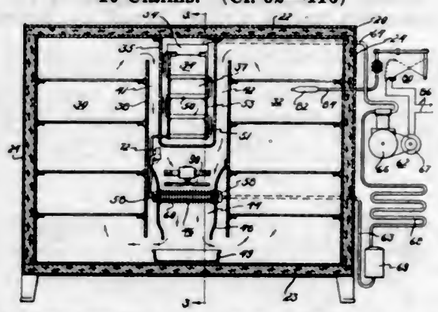
tranversely curved strip, flexible insulating material overlying said strip, and a fabric sheathing enclosing and completely surrounding said strip and flexible insulating material; of a nailing strip partly overlying said unit; and means extending through said nailing strip and unit for securing the unit within said groove.

1,979,637
PISTON RING SIZING MACHINE
James J. O'Neill, Oakland, Calif.
Application June 24, 1933, Serial No. 677,472
4 Claims. (Cl. 51—92)



1. A device for sizing piston rings comprising a base plate, a carriage mounted to travel on said base plate, means for adjusting said carriage along said base plate, a yoke mounted to rotate on a vertical axis in said carriage, a chuck pivoted in said yoke in such manner as to swing upon a horizontal axis, means for releasably holding said chuck in any adjusted angular position with respect to said yoke, and a rotatable cutter supported by said base plate in a position to engage a piston ring carried by said chuck.

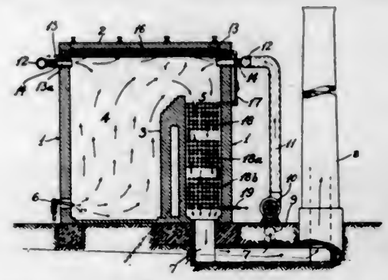
1,979,638
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application April 10, 1933, Serial No. 665,271
10 Claims. (Cl. 62—116)



1. Refrigerating apparatus comprising, in combination, a cabinet having a food storage compartment, a refrigerant evaporating element disposed in said cabinet, a metallic shield arranged for isolating said element from direct contact with the circulating air in said compartment, said shield comprising means for precooling the circulating air, and a refrigerant evaporating element located below said shield for cooling the circulating air after it has contacted with said shield.

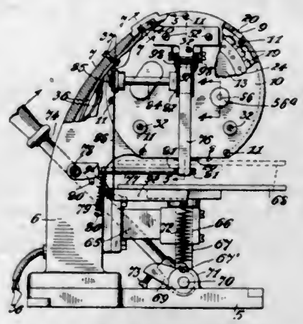
1,979,639
APPARATUS FOR HEATING AND CRACKING OIL
Leland L. Rebber, San Pedro, Albert S. Crossfield, Wilmington, and Edward G. Ragatz, Berkeley, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 2, 1929, Serial No. 329,752
6 Claims. (Cl. 196—116)

4. A furnace comprising a combustion chamber, a heating chamber, a bridge wall positioned between said combustion chamber and said heating chamber, tubes adjacent the roof of said furnace, said tubes extending over said combustion



chamber, bridge wall and heating chamber, an exit flue, means for recirculating flue gases from said exit flue into direct contact with and over said tubes to blanket the same.

1,979,640
MARKING, PRINTING, AND EMBOSSING MACHINE
Edward Roberts, Jr., Hohokus, N. J., assignor to Roberts, Cushman & Company, New York, N. Y., a corporation of New York
Application July 27, 1933, Serial No. 682,491
24 Claims. (Cl. 41—7)

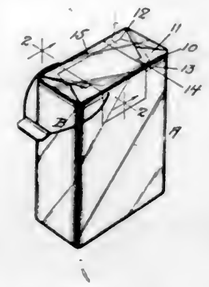


1. In a printing or stamping machine, a base, at least one rotatable printing wheel having peripherally projecting type characters mounted on a stationary axis above said base, a fixed guide between the base and said printing wheel, a work support and a bar fixed at its upper end thereto vertically movable in said guide, spring means yieldingly urging the work support downwardly to a normal position with respect to the printing wheel, and manually operable cam means mounted on the base coacting with the lower end of said bar to move said support upwardly and dispose the work thereon in impression-receiving relation to said printing wheel.

1,979,641
PACKAGE OPENING DEVICE
John Robertson, Oakland, Calif.
Application October 23, 1933, Serial No. 694,804
3 Claims. (Cl. 229—51)

1. A wrapped package including a wrapper of flexible material having folded overlapped end portions in sealed relation, a cord extended transversely through the package at one end and in a plane directly beneath the overlapped portions, a

tab formed of a piece of flexible material bent back upon itself with the bent portions cemented



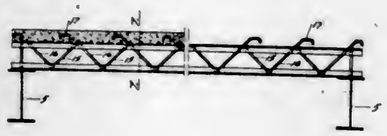
together, the ends of said cord being gripped between said cemented portions.

1,979,642
BEAM
Rolf K. O. Sahlberg, New York, N. Y.
Application April 24, 1933, Serial No. 667,637
7 Claims. (Cl. 72—61)



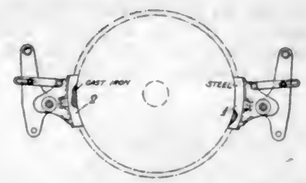
2. An improved beam supported at its ends and comprising compression and tension members and an intermediate web for resisting vertical bending moments, a reinforcing member cooperating therewith and having a heavy hooked end and a concrete mass for anchoring said hooked end, the tensile strength of said reinforcing member and the rigidity of its anchorage being sufficient to give support to the beam between its ends.

1,979,643
COMPOSITE BEAM
Rolf K. O. Sahlberg, New York, N. Y.
Application March 7, 1934, Serial No. 714,363
1 Claim. (Cl. 72—70)



An improved composite beam supported at its ends and comprising upper and lower chords and an intermediate web system consisting of diagonals extending between said chords, the extended diagonals in tension of the web system being formed with hooked ends extending above the upper chord and a concrete slab carried by and anchored to the upper chord by said hooked ends with sufficient rigidity as to form in cooperation with the upper chord the zone in compression of the composite beam.

1,979,644
BRAKE APPARATUS FOR A WHEEL
Seizo Saito, Toyonaka-cho, Japan, assignor to Kabushiki Kaisha Sumitomo Seikosho, Konohana-ku, Osaka, Japan, a corporation of Japan
Application December 9, 1932, Serial No. 646,558
In Japan March 24, 1932
5 Claims. (Cl. 188—33)

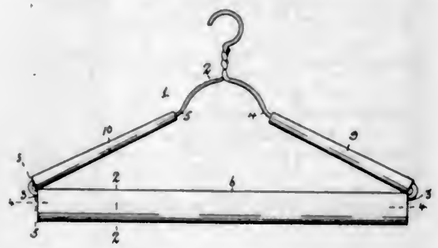


1. A brake apparatus for a wheel which comprises a pair of shoes made respectively of steel and of cast iron.

1,979,645
COATING PREPARATIONS
Hermann Schladebach, Dessau in Anhalt, and Herbert Hähle, Dessau-Ziebigk in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 28, 1930, Serial No. 464,704. In Germany May 5, 1928
14 Claims. (Cl. 134—79)

1. An oil varnish containing cellulose laurate dissolved in a major proportion of a drying oil.

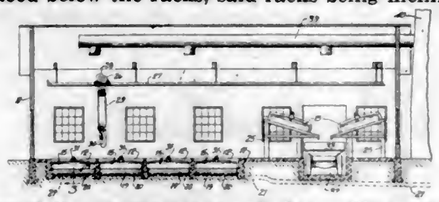
1,979,646
CLOTHES HANGER
Samuel A. Schneider, Washington, D. C.
Application August 1, 1933, Serial No. 683,207
3 Claims. (Cl. 223—62)



1. In a garment hanger, the combination with the horizontal and inclined supports thereof, of longitudinally split tubular members adapted to support articles of clothing thereon without creasing same, said tubular members having inwardly projecting flanges which provide means for checking dislocation of said members with respect to said horizontal and inclined supports.

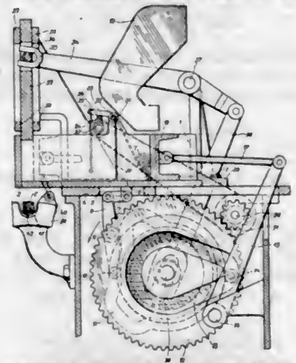
1,979,647
HANDLING SEWAGE SLUDGE
William S. Shields, Evanston, Ill.
Application July 30, 1931, Serial No. 554,062
1 Claim. (Cl. 210—62)

Apparatus for handling sewage sludge comprising a series of shallow perforate trays adapted to receive the wet sludge, a water permeable support for said trays while draining, drying racks adapted to hold said trays so as to permit air to reach them from all sides, means for carrying the trays from the draining supports to the drying racks, and a conveyance adapted to be placed below the racks, said racks being inclined



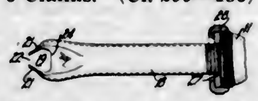
toward the conveyance so as to be readily emptied thereinto.

1,979,648
METHOD AND APPARATUS FOR MAKING CIGAR FILLERS
Franz Heinrich Benno Stelzer, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen Fabrik J. C. Muller & Co., Dresden, Germany
Application December 24, 1931, Serial No. 583,095
In Germany January 17, 1931
30 Claims. (Cl. 131—5)



1. The method of making cigar fillers comprising agitating the filler tobacco so as to substantially align the strips of tobacco, then moving said aligned strips into a compression chamber and then compressing such aligned strips in a direction substantially perpendicular to their lengths into a cigar filler.

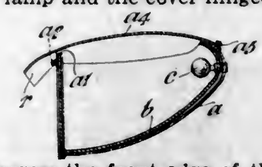
1,979,649
APPARATUS FOR SPRAYING MATERIALS
Reuben M. Stephenson, Oakland, Calif.
Application January 22, 1932, Serial No. 588,087
3 Claims. (Cl. 299—153)



1. A spray gun nozzle comprising a tube having a rectangularly-shaped recess cut in its tip end, the lips formed on the tube by the recess being flattened and bent inwardly with their forward edges spaced to provide an elongated restricted opening, and the sides of the tube adjacent the base of the recess being flattened to provide an elongated restricted orifice positioned crosswise of the elongated opening defined by the forward edges of the lips.

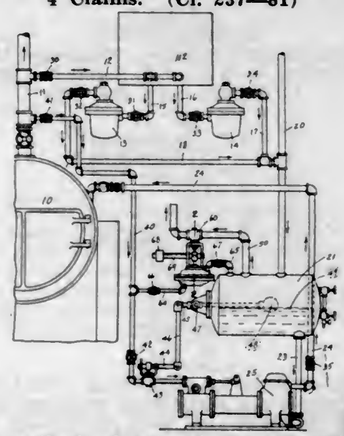
1,979,650
LAMP FOR ROAD VEHICLES
John Alfred Stevens, Broadstairs, England
Application January 18, 1932, Serial No. 587,356
In Great Britain June 11, 1931
2 Claims. (Cl. 240—41.35)

1. A vehicle lamp comprising a casing, a parabolic reflector mounted in the casing, a lens mounted in the front of the reflector, a hood extending over the front of the lens, and a hinged cover, the upper portion of the reflector being cut away horizontally in a plane parallel to the axis of the lamp and the cover hinged to a hinge



extending across the front edge of the cut away portion, the cover also forming a continuation of the hood, and having a flattened curved transverse section of a curvature different from that of the circular section of the parabolic reflector.

1,979,651
METHOD FOR HIGH PRESSURE CONDENSATE RETURN
John B. Stickle, Indianapolis, Ind.
Application October 24, 1931, Serial No. 570,806
4 Claims. (Cl. 237—81)

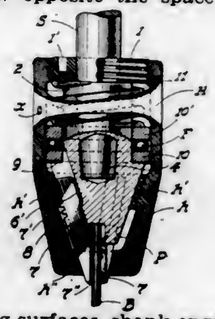


1. A method of returning condensate to a boiler from a high pressure heat exchange unit in which steam supplied by said boiler is condensed, said method including the steps of discharging said condensate from said heat exchange unit into a condensate return system maintained above atmospheric pressure but at a lower pressure than that in said unit, collecting a sufficient body of condensate in said system to maintain the temperature thereof at a point permitting a portion of said condensate to flash into steam, permitting the escape of flash steam from said return system to the atmosphere to maintain the pressure in said return system sufficiently below the pressure in said unit for adequate drainage of said unit but limiting the said escape of flash steam to maintain said return system pressure above atmospheric pressure under normal load conditions for preventing unnecessary reduction in the temperature of the condensate therein, and returning the condensate from said return system to the boiler without substantial further reduction of the pressure thereof.

1,979,652
DRILLING CHUCK
John Leonard Taylor, Milwaukee, Wis.
Application August 22, 1932, Serial No. 629,847
Renewed March 12, 1934
18 Claims. (Cl. 279—61)

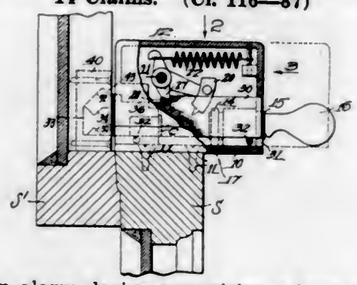
3. In a chuck the combination of a core element, a plurality of jaws and a housing element,

one of said elements having spaced bearing surfaces positioned to engage said jaws and the other element having a bearing surface positioned to engage a jaw opposite the space between said



spaced bearing surfaces, shank engaging portions on said jaws, and means operative to move said jaws lengthwise to engage said portions with a shank.

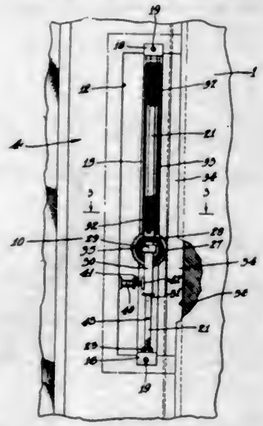
1,979,653
ALARM DEVICE
Charles Grant Trefethen, Worcester, Mass.
Application April 1, 1933, Serial No. 663,985
14 Claims. (Cl. 116—87)



1. An alarm device comprising a base plate to be mounted on a supporting member, a casing movably mounted on said base plate, alarm mechanism mounted in said casing, an actuating member to be mounted on a second supporting member, relative movement of said supporting members causing said actuating member to engage and move an element of said alarm mechanism to thereby initiate an alarm, said casing being manually slidable on said base plate to remove said alarm mechanism to an inoperative position, and means to lock said casing in operative position on said base plate.

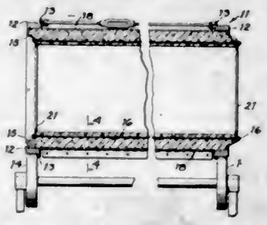
1,979,654
SASH CONTROL
John L. Turner, St. Louis, Mo.
Application July 31, 1930, Serial No. 472,089
Renewed April 26, 1934
3 Claims. (Cl. 16—201)

1. A window balancing device adapted to be vertically mounted in a recessed portion of the side rail of a slidable and movable window sash and being adapted to engage an elongated rack rigidly and vertically mounted on the inner side of a window frame, said device comprising a frame member adapted to be rigidly connected to the window sash, a stationary vertical rod and a rotatable vertical rod, each of said rods being secured at each end to said frame member, a horizontal shaft operatively connected to the stationary rod and the rotatable rod intermediate of their end portions and carrying a rotatable gear wheel adapted to rotate in a vertical plane between said rods, a pinion wheel member rigidly connected to and encircling the rotatable rod and in meshed relation with the gear wheel



and a helical spring encircling the rotatable rod and having one end connected to the pinion wheel, the other end being fixedly secured in a stationary position.

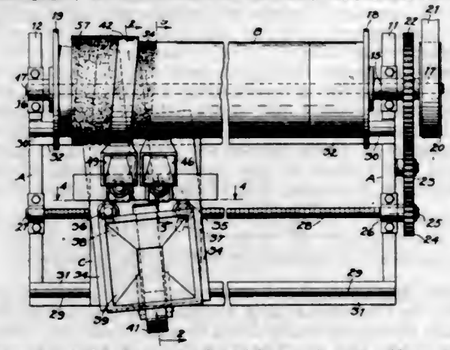
1,979,655
METHOD OF LINING CONCRETE PIPE AND THE LIKE
William A. Whiting, Huntington Park, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of Delaware
Application June 23, 1933, Serial No. 677,264
4 Claims. (Cl. 25—154)



1. The method of forming a lining on the inner wall of concrete pipe and the like which consists in, forming a concrete pipe by centrifugal distribution of concrete in a rotating form, partially drying the pipe in a kiln with heat above normal temperature, then distributing a hot lining material of a temperature above the temperature of the pipe on the inner wall of the pipe by centrifugal action and finally curing the lined pipe under atmospheric conditions.

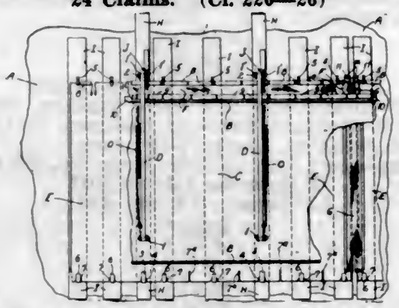
1,979,656
APPARATUS FOR WRAPPING PIPE
Nathan D. Whitman, South Pasadena, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of California
Original application December 1, 1930, Serial No. 499,305. Divided and this application February 23, 1932, Serial No. 594,563
7 Claims. (Cl. 154—1)

4. A pipe wrapping machine embodying: means for rotatably supporting a section of pipe to be wrapped; means for applying a coating of grout to said pipe; means for spirally winding a continuous tape around said pipe over said coating of grout; means for depositing a layer of mortar on said tape before it is wound around said pipe; and means for radially applying pres-



sure to said tape and said mortar as they are wound about said pipe.

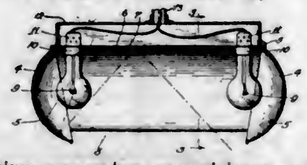
1,979,657
SEAL FOR FLOATING TANK ROOFS
John H. Wiggins, Tulsa, Okla.
Application March 15, 1930, Serial No. 436,217
24 Claims. (Cl. 220—26)



20. In a seal for floating tank roofs, the combination of a fabric member, a co-acting element having a means that is adapted to receive one edge portion of said fabric member, and a removable bar-like device that is adapted to be inserted endwise into said means to bind or clamp said fabric member to the means of said element which receives the edge portion of said fabric member.

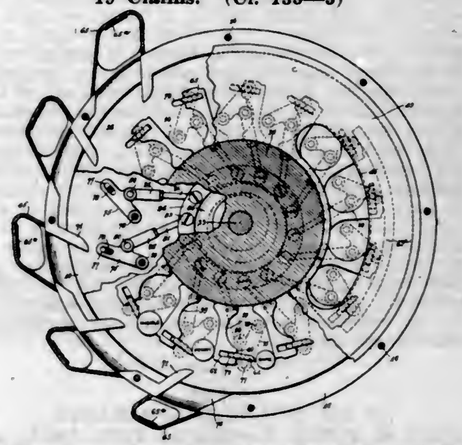
21. A seal for floating tank roofs, provided with a relatively limber metallic shoe disposed vertically with the major portion of its surface arranged in sliding engagement with the side wall of the tank, removable guides disposed on the outer side of said shoe extending vertically over the entire height or depth of the shoe and arranged in contact with the tank side wall, and bendable means for detachably interlocking said guides with said shoe.

1,979,658
LIGHTING SYSTEM AND APPARATUS
Thomas L. Zauskey, Chicago, Ill.
Application April 23, 1932, Serial No. 607,015
3 Claims. (Cl. 240—3)



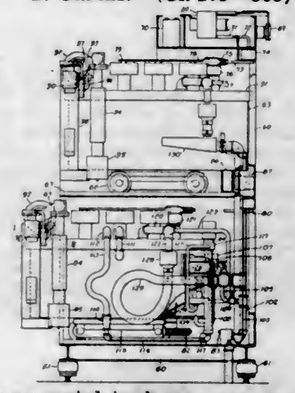
1. Lighting apparatus comprising a pair of oppositely disposed concave reflectors, a cylindrical reflector extending between said concave reflectors and having an opening in its cylindrical wall through which light rays are projected, and lighting elements disposed adjacent and between said concave reflectors and out of alignment with the axis of the cylindrical reflector.

1,979,659
COIN SORTING MACHINE
Ambrose E. Zierick, New York, N. Y.
Application January 30, 1928, Serial No. 250,578
Renewed January 22, 1932
19 Claims. (Cl. 133—3)



1. In a centrifugal sorting machine, a turntable having a series of coin receiving pockets therein, blocker members controlling the centrifugal discharge of coins from the pockets, and means for moving the blocker members from full blocking to full open position and back again during each revolution of the turntable.

1,979,660
SECTIONAL MERCURY-ARC RECTIFIER
Alfred L. Atherton, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 28, 1932, Serial No. 589,414
17 Claims. (Cl. 175—363)



1. A large metal-tank mercury-arc rectifier installation comprising a transformer-means for supplying power, a plurality of separate rectifier-tanks grouped as a unit, each rectifier-tank having pipe-connections for circulating a liquid heat-interchange medium, a common direct-current circuit energized from all of the rectifier-tanks

in parallel, means for energizing the several anodes of all the rectifier-tanks from said transformer-means in such manner that sufficient effective impedance is in series with each anode to make it operate satisfactorily in parallel with an anode in another tank at any moment, an insulated supporting structure having terminals for the anode and cathode leads and having pipe-connections for the aforesaid liquid medium, and a separate plug-in, disconnectible mounting for each rectifier-tank in said supporting-structure.

9. A large metal-tank mercury-arc rectifier installation comprising a transformer-means for supplying polyphase power, at least one pair of separate polyphase rectifier-tanks grouped as a unit, each rectifier-tank having a plurality of anode-leads and a cathode-lead, a common direct-current circuit energized from all of the rectifier-tanks in parallel, and means for energizing the several anodes of all the rectifier-tanks from said transformer-means in such manner that sufficient effective impedance is in series with each anode to make it operate satisfactorily in parallel with at least one other anode in another tank at any moment, characterized by a plurality of balancing reactors, half as many as the total number of anode-leads, connected between the corresponding anodes in the two tanks of each pair, and means for suitably energizing the intermediate points of the reactors from said transformer-means.

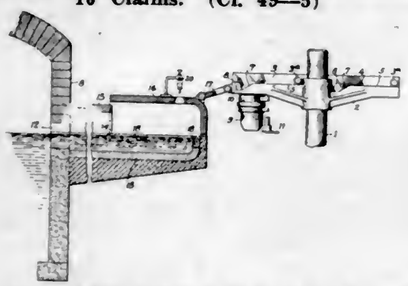
1,979,661

GLASS MOLDING APPARATUS

Albert R. Bethel, Huntington Park, Calif., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application April 18, 1929, Serial No. 356,151

10 Claims. (Cl. 49—5)



10. In a glass molding apparatus, a molten glass receptacle, a post, a track having a mounting intermediate its length engaged with said post, a suction mold, a carriage for said mold having reciprocating movement along said track to shift the mold toward and away from said receptacle, said carriage having rollers resting upon portions of the track at opposite sides of the post to slidably mount the carriage and limit reciprocating movement of the carriage by contact with said mounting, said track having cam portions for imparting vertical movement to the carriage and mold at the limit of their movement toward the receptacle for a gathering action.

1,979,662

LEER

Albert R. Bethel, Huntington Park, Calif., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application April 27, 1929, Serial No. 358,562

7 Claims. (Cl. 49—47)

7. In a leer, a main conveyor, a feed conveyor in end to end relation to the main conveyor, each conveyor consisting of a plurality of endless cables, pulleys at the outer ends of said conveyors engaged by the cables thereof, and an inner pulley engaged by the cables of both conveyors, said inner pulley comprising a rotary shaft, a sleeve fitting loosely about said shaft, and means for transmitting rotary motion between said sleeve and shaft with one rotating at a higher rate of speed than the other, and a plurality of disks carried by the sleeve and shaft with the cables of one conveyor engaged about alternate disks and the cables of the other con-



veyor engaged about the other disks, disks carried by the sleeve and engaged by cables of the main conveyor being fixed to said shaft and disks carried by the shaft and engaged by cables of the feed conveyor being fixed to the shaft, the remaining disks being free and turned about the sleeve and shaft by cables engaging the same, and operating means at the outer end of the feed conveyor for shifting the pulleys thereof at such end of said conveyor to dispose the cables of the feed conveyor at an angle to the cables of the main conveyor.

1,979,663

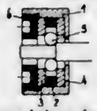
BALL AND ROLLER BEARING

Adolf Bickelhaupt and Hans Schlienz, Sillenbuch-Stuttgart, Germany, assignors to Friedrich Breuning, Stuttgart, Germany

Application July 25, 1932, Serial No. 624,494

In Germany July 28, 1931

10 Claims. (Cl. 308—184)



1. A bearing, comprising in combination a casing open at one end and having a wall with a central bore at the other end, a shaft extending through said bore into said casing, two sharp edged rings loosely inserted in said casing and surrounding said shaft, a screw plug having a central bore screwed into the open end of said casing and holding said rings in said casing, said plug having a central bore allowing the passage of said shaft, and rolling elements between said shaft and said rings and adapted to roll on the adjacent sharp edges of said rings.

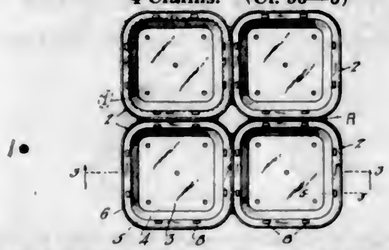
1,979,664

MULTIPLE PIE BAKING PAN

Frederick W. Birkenhauer, Newark, N. J., assignor to Pie Bakeries, Inc., Newark, N. J., a corporation of Delaware

Application May 12, 1933, Serial No. 670,668

4 Claims. (Cl. 53—6)



1. A multiple baking pan comprising a plurality of separate pans having marginal lateral flanges,

a one-piece frame having an opening receiving each pan with the marginal flange of the pan abutting the top side of the frame, each pan having a plurality of openings in its marginal flange and said frame having tongues clinched through said openings to secure said pans in said frame, portions of said tongues being in planes perpendicular to the planes of said flanges and said frame.

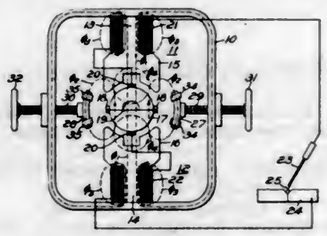
1,979,665

DYNAMO-ELECTRIC MACHINE

John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 26, 1933, Serial No. 682,187

13 Claims. (Cl. 171—227)



1. A dynamo-electric machine of the cross field type comprising, in combination, a pair of field poles of opposite polarity, an armature having a pair of short circuited brushes disposed between the field poles, and movable magnetic means disposed between the field poles and in proximity to the armature for regulating the amount of flux generated by armature reaction, thereby causing the machine to generate a predetermined amount of power.

1,979,666

WARMER FOR NURSING BOTTLES

Anabel Hays Reese, Petersburg, Va., assignor of one-half to Leta J. White, Petersburg, Va.

Application March 5, 1934, Serial No. 714,185

4 Claims. (Cl. 126—261)



1. In a warmer for nursing bottles, the combination of a container for liquids, said container having a single central opening at its top, said opening being of suitable size to admit the hand of the user and the container being of suitable size and shape to surround and enclose a milk bottle, with a removable extension at the upper end of said container, said extension also having a single central opening at its top smaller than the opening in the container, to enclose a taller bottle with its nipple protruding through the opening in the extension.

1,979,667

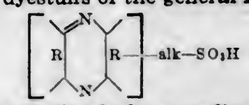
DYESTUFFS OF THE DIAZINE SERIES

Wolfram Vogt and Eugen Huber, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 23, 1933, Serial No. 662,389. In Germany April 1, 1932

8 Claims. (Cl. 260—29)

1. Azine dyestuffs of the general formula:



wherein one R stands for a radical of the benzene series, the other R stands for a radical of the benzene or naphthalene series, alk stands for an alkylene group containing at least two carbon atoms, and wherein the sulfoalkylene group is attached to a nitrogen atom, forming water-soluble alkali metal salts, dyeing fibres generally clear red to greenish-blue shades of good fastness properties.

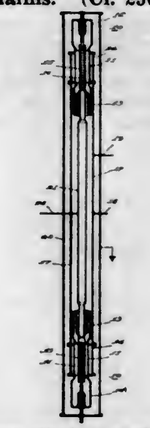
1,979,668

ELECTRON DISCHARGE DEVICE

Clarence A. Boddie, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application November 5, 1930, Serial No. 493,506

13 Claims. (Cl. 250—27.5)



12. An electron-discharge device including an evacuated vessel enclosing a cathode and having a metallic wall which acts as an anode, a member of insulating material sealing one end of said metallic wall, said member having larger lateral external dimensions than said wall, a control electrode positioned within said vessel, a metallic tube surrounding said member and connected to said wall, and a second metallic tube positioned within said first-named tube and said insulating member and connected to said control electrode, the characteristic impedance of the portion of the line formed by said tubes being substantially the same as that of the portion of the line formed by said anode and said control electrode.

1,979,669

MODULATION METER

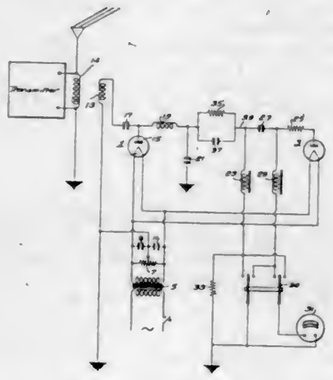
James D. Booth, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application July 18, 1930, Serial No. 468,855

7 Claims. (Cl. 179—171)

6. A modulation measuring system comprising the combination of rectifying means for deriv-

ing the direct current component and audio frequency component of a modulated wave and



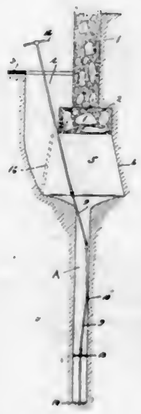
means for indicating the ratio of the peak value of said audio frequency component to said direct current component.

1,979,670

METHOD OF PREPARING FOUNDATIONS

Samuel O. Brune and Oscar Peterson, Winnipeg, Manitoba, Canada

Application June 29, 1931, Serial No. 547,504
In Canada July 28, 1930
1 Claim. (Cl. 61—51)



The method of preparing or underpinning the foundation wall of a building which consists in making a limited excavation at one side of the wall location and underneath the footing or site thereof and shaping the wall of the excavation underneath the footing to form a mould for a pier head, then utilizing a boring tool having a jointed handle to bore a hole from the bottom of the excavation downwardly to a firm foundation, the jointed tool being operated from ground level, then removing the tool and placing reinforcing members in the hole and the excavation underlying the footing or site thereof, then pouring concrete to provide a concrete pier in the hole and a moulded concrete pier head in the excavation underlying the footing and finally ramming concrete between the pier head and the footing.

1,979,671

METHOD FOR THE PRODUCTION OF ROSIN ESTERS

Durain C. Butts, Sandusky, Ohio, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application January 6, 1932, Serial No. 584,945
30 Claims. (Cl. 260—99.40)

1. The method of producing an abietic acid ester which includes forcing a solution of abietic acid in an alcohol through a reaction chamber under a pressure and at a temperature such that esterification of abietic acid will be effected in the reaction chamber and separating the ester product and excess alcohol discharged from the reaction chamber.

1,979,672

TEMPERING CELLULOSE ACETATE PLASTICS

Amerigo F. Caprio, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application April 12, 1929, Serial No. 354,705
2 Claims. (Cl. 106—40)

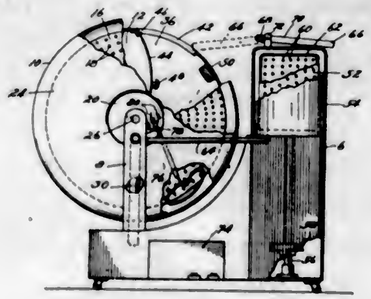
1. The process of making a strong non-brittle cellulose acetate thermoplastic comprising combining cellulose acetate and a plasticizer together with solvents, then drying out the volatile elements until hardness or brittleness ensues, and finally converting the composition into a strong tempered mass by soaking in water substantially free from solvent.

1,979,673

WASHING MACHINE

Charles B. Cassity, Kansas City, Mo., assignor of one-half to Robert Mellon, Kansas City, Mo.

Application January 8, 1934, Serial No. 705,734
5 Claims. (Cl. 68—18)



1. In a washing machine, a rotatable cylinder; a perforated partition dividing said cylinder into a major compartment and a secondary compartment concentric therewith and overlapping the former, there being an opening formed through the wall of said cylinder forming the other side of said secondary compartment; draining means for the secondary compartment; and means for rotatably supporting said cylinder including a shaft passing through said opening and affixed to said partition.

1,979,674

CURTAIN AND CURTAIN SADDLE

Sidney M. Cowan, Newark, N. J.

Application July 21, 1933, Serial No. 681,479
10 Claims. (Cl. 156—21)



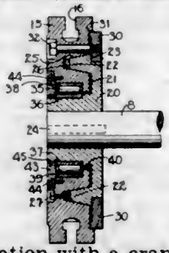
1. A curtain having twin hems at its upper end and a row of spaced grommets set into each hem parallel to its edge, each grommet of the one hem facing a grommet in the other hem.

1,979,675

ADJUSTABLE FRICTION CRANK FOR COUNTERBALANCED PUMPING UNITS

Guy Croom, Lufkin, Tex., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex.

Application January 14, 1931, Serial No. 508,790
4 Claims. (Cl. 287—52.02)



1. The combination with a crankshaft for well pumping units, a hub, an antifriction bearing thereon, a crank arm mounted on said bearing, interengaging portions on said hub and arm, means to lock said interengaging portions together, and a holding ring to overlie said bearing and retain it in position.

1,979,676

METHOD OF TREATING BITUMEN

Orin R. Douthett, Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a corporation of West Virginia

No Drawing. Application June 8, 1928, Serial No. 284,003
14 Claims. (Cl. 196—74)

10. The method for lowering the susceptibility to temperature change of asphalt, which includes contacting with asphalt in a heated condition chlorine in admixture with air, the air being in amount substantially in excess of the amount of chlorine.

1,979,677

TREATED BITUMEN

Orin R. Douthett, Passaic, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a corporation of West Virginia

No Drawing. Original application June 8, 1928, Serial No. 284,003. Divided and this application April 14, 1930, Serial No. 444,362
13 Claims. (Cl. 196—152)

6. A bitumen having a low susceptibility to temperature changes, a high melting point for a given consistency and containing chlorine not in excess of about .53%, obtained by treatment of bitumen with chlorine and air, said bitumen being substantially free from undesirable non-volatile chlorine-bitumen decomposition products.

1,979,678

DISAZO COMPOUNDS FOR THERAPEUTIC USE

Joseph Ebert, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application October 15, 1931, Serial No. 569,120
5 Claims. (Cl. 260—76)

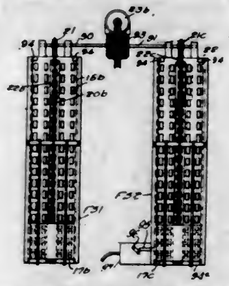
1. A non-toxic disazo compound having the general formula $R'—N=N—R—N=N—C_9H_6ON$ where $—N=N—R—N=N—$ is a disazotized nucleus of the benzene series and R′ is o-hydroxyquinoline, an aromatic diamine of the benzene series, an alkoxy aromatic amine of the benzene series, an amino carboxylic acid or carboxylate of the benzene series, or an hydroxy carboxylic acid or carboxylate of the benzene series.

1,979,679

ELEVATOR

Charles E. Ellis, Jr., Mahwah, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application November 25, 1932, Serial No. 644,176
21 Claims. (Cl. 187—29)



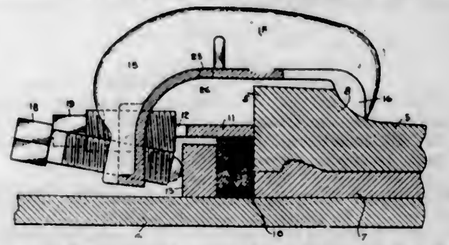
1. In an elevator having a car operable past a plurality of floors, an auxiliary device, a motor for operating the said device in accordance with the movements of the car, means responsive to operation of the car for starting said motor in operation, means responsive to movement of the device a predetermined distance for stopping the motor, and means responsive to a reversing operation of the car for reversing said motor.

1,979,680

PIPE CLAMP

Frank A. Engel, Roselle, N. J., assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J., a corporation of New Jersey

Application February 3, 1934, Serial No. 709,575
4 Claims. (Cl. 285—119)



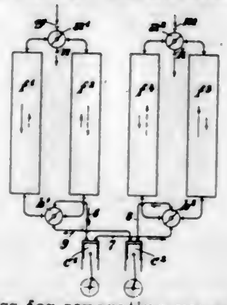
1. A clamp for a pipe joint of the bell and spigot type comprising an annular gasket surrounding the spigot section, an annular follower

behind said gasket, an annular collar surrounding said follower and gasket, a clamp member attached to said bell section and extending about the gasket, collar and follower, and adjustable retaining members cooperating with said clamp member and movable toward the end face of the bell section for engaging said collar and follower, one of said retaining members engaging the annular edge of said collar for maintaining it against said face.

1,979,681
EXPLOSIVE
Albert Stanley Fox, New Castle, and Floyd Rape, Edenburg, Pa., assignors to Burton Explosives, Inc., Cleveland, Ohio, a corporation
No Drawing. Application December 23, 1931, Serial No. 582,874
14 Claims. (Cl. 52—11)

1. An explosive having a liquid explosive ingredient and having as an absorbent therefor hemp hurds treated to reduce the density thereof.

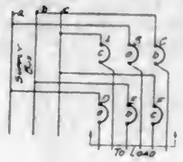
1,979,682
PROCESS FOR SEPARATING VAPORS FROM GASEOUS MIXTURES
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application August 1, 1930, Serial No. 472,445
In Germany August 19, 1929
9 Claims. (Cl. 62—175.5)

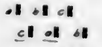


1. A process for separating vapors from a gaseous mixture, which comprises compressing the gaseous mixture, subjecting the compressed gaseous mixture to a low temperature by contacting with a regenerative body whereby vapors are frozen out and deposited upon the surface of said body, then expanding while at a low temperature and passing through a cold absorbing zone, and compressing another gaseous body, subjecting said gaseous body to a low temperature by contacting with a regenerative body, expanding and subliming the deposit from the first gaseous mixture by contacting the expanded second gaseous body directly therewith.

1,979,683
SWITCH STRUCTURE
Herbert C. Graves, Jr., Radnor, Radnor Township, Chester County, and William M. Scott, Jr., Philadelphia, Pa., assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application January 22, 1932, Serial No. 588,218
20 Claims. (Cl. 175—294)

1. In combination with an alternating current circuit, switch structure for controlling the circuit, comprising two or more switch elements multiply connected to each leg of the circuit to provide separate current paths through the switch, the switch elements of each leg being separated





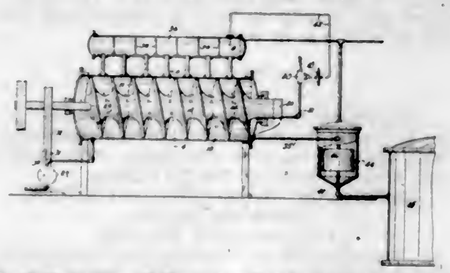
by switch elements connected to a different leg, to thereby reduce distortion of current distribution in said elements.

1,979,684
PRODUCT AND PROCESS OF MAKING REENFORCED COVERINGS
Robert H. Green, Los Angeles, Calif., assignor of two-thirds to Max E. Campbell, Los Angeles, Calif., and Fred E. Griffith, Long Beach, Calif.
Application August 28, 1933, Serial No. 687,136
20 Claims. (Cl. 91—68)



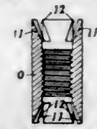
1. A new product of manufacture, comprising, metal screen coated with metal sulphate, and the sulphate coated metal screen coated with a bituminous cement.

1,979,685
APPARATUS FOR HEAT TREATING FOODS
George Grindrod, Oconomowoc, Wis., assignor to Grindrod Process Corporation, Waukesha, Wis., a corporation of Wisconsin
Original application February 2, 1928, Serial No. 251,304. Divided and this application March 21, 1929, Serial No. 348,832. Renewed March 23, 1933
22 Claims. (Cl. 261—87)



1. Apparatus of the described class comprising the combination of a horizontally disposed cylinder, a conveyor therein having a helical flight, the outer margin of which substantially conforms to and fits the portion of the cylinder below the axis of the conveyor, said conveyor having a supporting shaft provided with multiple longitudinally extending passages, the walls of which are ported to allow steam delivery, means for connecting the passages successively with a source of steam supply when in a position to deliver steam into the lower half portion of the cylinder, and means for operating the conveyor to feed material through the cylinder in subdivided portions separated from each other by successive portions of the conveyor flight and the conveyor shaft.

1,979,686
METAL SOCKET, BUSH, FERRULE, RIVET, AND THE LIKE
James Harry Hall and Sydney Hall, Ashton-under-Lyne, England, assignors to Hall & Kay, Limited, Ashton-under-Lyne, England
Application November 12, 1930, Serial No. 495,112
In Great Britain November 13, 1929
2 Claims. (Cl. 85—40)



1. A one-piece tubular metal member usable as a socket, bush, ferrule, rivet or the like, comprising a body portion having longitudinally through it a cylindrical bore the middle portion only of which is screw threaded and the end portions of which are unthreaded and enlarged at least to the extent of the depth of the screw thread, the said tubular member having at each end thereof an end portion which flares outwardly from the adjacent end of the enlarged bore portion, the said flaring end portion only being provided with a plurality of longitudinal slits of the same depth as the flaring portion and dividing this flaring portion only into a plurality of equal parts which at each end of the tubular member may be spread outwardly to form a peripherally divided retaining head.

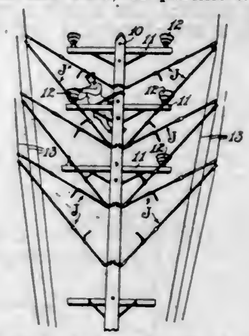
1,979,687
GARMENT HANGER
Lewis H. Hall, Springfield, Mass.
Application October 13, 1933, Serial No. 693,418
8 Claims. (Cl. 223—65)



1. In a garment hanger, a hanger having a supporting pivot and a lever extending from the pivot parallel with the hanger, a pair of arms mounted on the supporting pivot, the mounted end of each arm having a curved surface and a straight abutment shoulder with a part of each curved surface engaged with its cooperating shoulder when the garment hanger arms are in service position, and means on one of said arms adapted to be engaged by the lever for moving said arm to present other portions of the curved surfaces for engagement with the abutment shoulders.

1,979,688
ELECTRICAL TOOL
William D. Hamer, Indianapolis, Ind., assignor to Transelectric Company, Indianapolis, Ind., a corporation of Indiana
Application March 5, 1934, Serial No. 714,127
9 Claims. (Cl. 175—265)

1. An apparatus for handling a strung live high tension wire on its supporting post comprising two rigid struts each including an insulating portion in its length and at least one including mechanical leverage manually operated lengthening means, and means at the outer ends of each of said struts for connecting them to the wire, said struts being pivotally connected at their inner ends to the supporting post at spaced points on the post to provide a pair of longitudinally rigid members between the post and the wire, converging from the spaced points on the post to a common point on the wire, to permit a shifting of



the wire by varying the length of one of said struts.

1,979,689
METHOD OF LAPPING DIES
William E. Hoke, Baltimore, Md., assignor to Dardelet Threadlock Corporation, New York, N. Y., a corporation of Delaware
Application February 27, 1931, Serial No. 518,784
7 Claims. (Cl. 51—278)

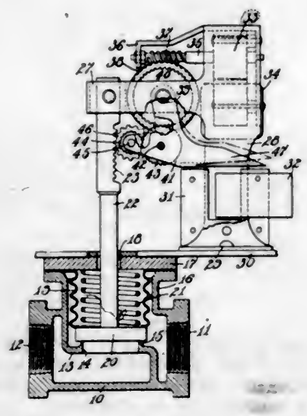


1. The method of lapping a toothed or ribbed thread-forming die or chaser having teeth with transversely inclined crest surfaces by separate operations to prevent blunting of the crest corners of the teeth, consisting in lapping the side faces of the die teeth and evening the pitch of the teeth by meshing them with deeper teeth of a lap and causing relative lapping movement between the die and lap with the lap held out of contact with the crest surfaces of the die teeth by the greater depth of the lap teeth and with abrasive material free to escape along the depth of the lap teeth past the crest corners of the profile of the die teeth; and lapping the said crest surfaces only by engaging the die with a lap having lapping surfaces inclined similarly to the crest surfaces of the die teeth and formed and disposed for lapping the said crest surfaces while permitting free escape of abrasive material laterally past the crest corners of the profile of the die teeth.

1,979,690
VALVE OPERATING MECHANISM
Ward H. Ingersoll, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 8, 1931, Serial No. 561,660
14 Claims. (Cl. 236—74)

6. In combination, a reciprocable element, an electric motor, transmission means shiftable to

connect said motor to drive said element or to disconnect the same, a second electric motor for shifting said transmission means, a source of electrical energy, a circuit for said first motor, a cir-



cuit for said second motor, thermo-responsive means controlling said last-mentioned circuit, and a switch in said first-mentioned circuit and controlled by said second motor.

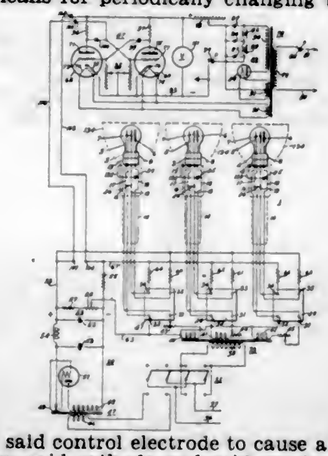
1,979,691
CUSHION AND WEATHER STRIP
Walter C. Jackson, Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation, Rahway, N. J., a corporation of New Jersey
Application January 6, 1933, Serial No. 650,515
2 Claims. (Cl. 154—43)



1. An all rubber cushion and weather strip, comprising a layer of vulcanized sponge rubber, a layer of vulcanized rubber resistant to the migration of rubber curing agents, and a layer of unvulcanized rubber, the last named layer being secured to one side of the resistant layer, and the first named layer being secured to its other side.

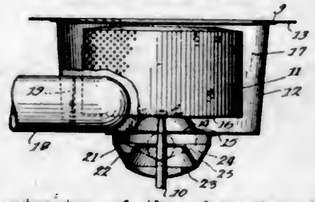
1,979,692
STROBOSCOPIC TESTING APPARATUS
Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 1, 1930, Serial No. 485,809
10 Claims. (Cl. 176—124)

2. A stroboscope comprising a grid-glow tube having a cathode, an anode, and a control electrode, said tube containing gas at a low pressure whereby a discharge between said cathode and said anode is luminous, means for applying a voltage across said cathode and said anode, and means for periodically changing the poten-



tial of said control electrode to cause a discharge between said cathode and said anode.

1,979,693
EXTRACTOR
Henry Lindenberger, Chicago, Ill.
Application July 11, 1932, Serial No. 621,937
2 Claims. (Cl. 210—66)

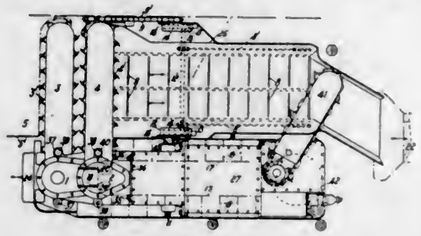


1. An extractor of the character described, adapted for use in a dry cleaning system, comprising a rotatable perforated basket, an outer shell surrounding said basket, said outer shell being adapted for catching the fluid discharged by the basket during the extracting operation, means for conducting said fluid away from said outer shell, said outer shell having a central opening provided in the bottom wall thereof, an upstanding member surrounding said opening and secured to the inner side of the bottom wall of said shell, a second member surrounding said opening and secured to the outer side of the bottom wall of said shell, said second member being adapted for receiving and accumulating therein the fumes created during the extracting operation, and means for conducting away said fumes from said member, the bottom edge of said last mentioned member being closed by a cloth closely contacting the basket spindle, whereby the escape of fumes, as well as the ingress of air will be prevented.

1,979,694
MINING MACHINE
William Archibald Logan, Kinghorn, Fife, Scotland
Application March 16, 1934, Serial No. 715,821
In Great Britain March 18, 1933
4 Claims. (Cl. 262—30)

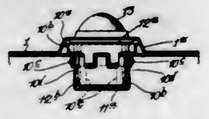
1. In a long wall mining machine, in combination, an upper cutting jib, a lower cutting jib, one of said jibs being located in advance of the other of said jibs with reference to the direction of feed of the machine, a hollow soleplate on the

machine, a conveyor adapted for attachment to either side of the machine, a second conveyor in-



corporated within said hollow soleplate, and means for driving said conveyors.

1,979,695
MOUNTING FOR REFLECTOR UNITS IN SIGNS
Richard W. Luce, Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application June 13, 1933, Serial No. 675,561
10 Claims. (Cl. 40—130)



1. In a sign made up of a plurality of independent reflecting units grouped and arranged in the form of a character to be displayed, a display plate having a series of openings therethrough arranged to outline the character, a reflecting-unit supporting plate mounted behind the front plate and having a series of openings therethrough interrelated in accordance with the openings through the front plate, a reflecting-unit holder in each opening through the supporting plate including means adapted to extend along the sides of a reflecting unit inserted therein for limiting rotational movement of the unit and resilient means positioned by the holder to act upon the rear end of a reflecting unit and urge the unit towards the front plate, and a reflecting unit in each reflecting-unit holder and having the end thereof extending through the corresponding opening in the front plate, each reflecting unit including a limiting flange abutting against the inner surface of the front plate.

9. For a sign having a plurality of individual reflecting units, a cup-shaped reflecting unit holder for each reflecting unit having a resilient leaf member formed in the bottom thereof, a reflecting unit in the holder, and means for maintaining the reflecting unit in the holder.

1,979,696
COMMUTATING BRUSH
Clarence Lynn, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1932, Serial No. 635,515
6 Claims. (Cl. 171—326)

1. The combination, with a brush or the like of a pair of spaced conductors each having one end thereof mounted within the brush, a clip having a conductor engaging portion connected to that part of the brush which is between the spaced conductors, the said conductors being cross-interlinked with the conductor engaging portion and



connected thereto at the cross-interlinked portions of the conductors.

1,979,697
ANNEALING FURNACE
Albert Maring, Muskegon, Mich., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application November 4, 1931, Serial No. 572,898
4 Claims. (Cl. 263—8)

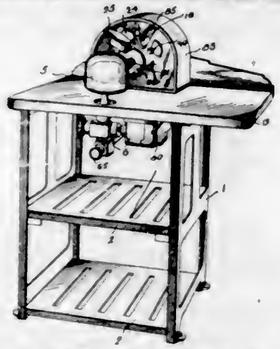


1. In an annealing furnace, an annealing chamber, liquid seals at each end of said furnace, a plurality of runways traversing the length of said furnace and into and out of said seals, a platform adjacent one of said seals inclined towards said seal, a platform adjacent the other seal inclined away from said seal and conveyor means to receive a plurality of spools carrying materials to be annealed from the first platform and to roll said spools through the first seal into and through said chamber and into and out of said second seal onto said second platform along said plurality of runways, said conveyor means comprising endless belt elements extending through the said chamber into and out of said seals on opposite sides of said runways and a plurality of spaced bar elements interconnecting said belt elements, the spacings between said bar elements providing openings to receive the said spools and to permit the spool to engage the said runways, the advance motion of the said belt elements serving to roll the spools along the said runways from one seal into and through the chamber and other seal.

1,979,698
HAT IRONING AND FINISHING MACHINE
Spiros C. Markatos, New York, N. Y.
Application February 6, 1932, Serial No. 591,266
16 Claims. (Cl. 223—28)

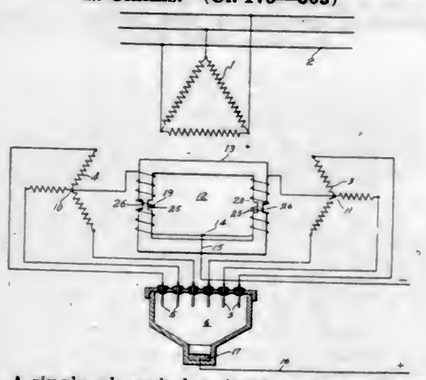
16. A hat ironing apparatus comprising in combination an ironer, drive mechanism therefor, a manually operated device for controlling the extent and direction of travel of said mechanism when the ironer is operating on the crown

of a hat and companion independent dial devices controlling the extent of travel and direc-



tion of travel of said mechanism when the ironer is functioning on the brim of a hat.

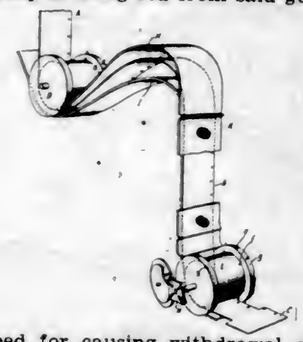
1,979,699
BALANCE COIL
Albert J. Maslin, Sharpsville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1932, Serial No. 614,795
12 Claims. (Cl. 175—363)



8. A single-phase balancing transformer adapted to carry approximately balanced direct currents and superposed alternating currents, comprising a closed magnetizable core having a substantially non-magnetizable gap therein characterized by magnetizable bridge-means of less cross-section than said gap, spanning said gap, and a winding on said core, said winding having a tap at an intermediate point, the relative dimensions of said magnetizable bridge-means being such that said bridge-means becomes saturated when the unbalanced current in the transformer is of the order of magnitude of the magnetizing component of the current at full load.

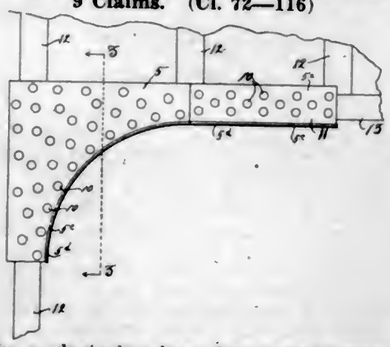
1,979,700
AUTOMATIC FILM THREADING MOTION PICTURE MACHINE
Russell P. May, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 5, 1931, Serial No. 520,300
11 Claims. (Cl. 88—18)

11. In a device of the type described the combination of film guide means, means for feeding a leader strip longitudinally therethrough at a predetermined speed for causing it to traverse the length of the guide, means for feeding film into the guide at a slower speed while the said leader strip is being fed from said guide at said



first speed for causing withdrawal of the film from contact with the guide and means for thereafter feeding the film from said guide at the second said speed.

1,979,701
PLASTERING BASE
Clyde Merryweather, Cuyahoga Falls, Ohio
Application April 27, 1931, Serial No. 533,117
9 Claims. (Cl. 72—116)



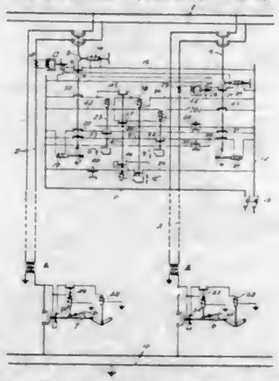
8. In a plastering base for forming plastered openings, a side member of relatively stiff sheet material, said side member having a jamb edge terminating in an outwardly inclined corner bead flange; a jamb flange projecting inwardly from the base of said corner bead flange, a jamb of sheet material and means to slidably secure said jamb to said jamb flange.

1,979,702
COMBINATION FINGER RING AND ORNAMENTAL PIN
Paul Mertens, Newark, N. J.
Application June 29, 1933, Serial No. 678,173
5 Claims. (Cl. 63—1)



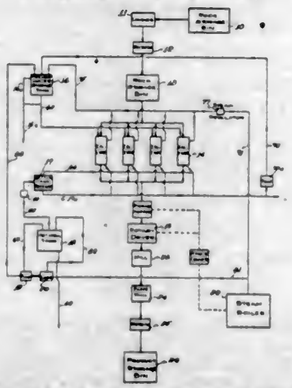
1. An article of jewelry, comprising a finger ring having a setting, and an ornamental pin separably secured on said ring in superposed relation to said setting and having a cavity in its bottom, said pin having means secured and normally disposed wholly within said cavity for attaching the pin to a garment, whereby said pin can be secured on or removed from said setting without interference by said attaching means.

1,979,703
SYSTEM OF DISTRIBUTION
John S. Parsons, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1932, Serial No. 617,830
22 Claims. (Cl. 175—294)



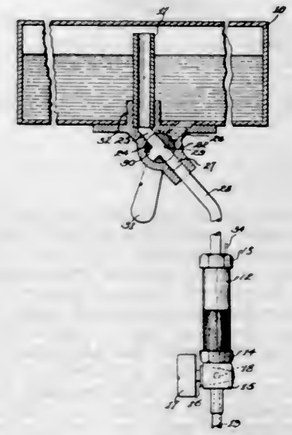
1. In a distribution system, a network load circuit, a plurality of feeders for supplying power to said load circuit, a plurality of circuit interrupters associated with said feeders for interrupting the flow of power therethrough, fault responsive means for initially opening all of said interrupters and for reopening each of said interrupters after reclosure thereof if a fault exists on its associated feeder, means for automatically reclosing said interrupters in succession regardless of the condition of the corresponding feeders and means effective when all but one of said interrupters are closed for preventing the automatic reclosure of the remaining interrupter regardless of the condition of the corresponding feeder.

1,979,704
METHOD OF PRODUCING HIGH STRENGTH CALCINED GYPSUM
Wilbur S. Randel, Manvel C. Dailey, and William M. McNeil, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application August 5, 1930, Serial No. 473,182
6 Claims. (Cl. 23—122)



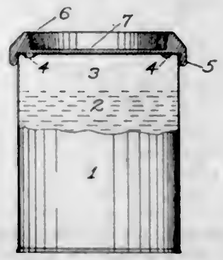
1. The method of calcining lump gypsum rock, which comprises expelling water of crystallization from said gypsum to form hot water, washing a new amount of gypsum rock with said hot water to preheat said rock, and draining the hot water from said rock to remove fine particles of gypsum from said rock prior to calcination.

1,979,705
AIRPLANE GASOLINE GAUGE
Horace H. Raymond, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application November 26, 1929, Serial No. 409,945
4 Claims. (Cl. 73—54)



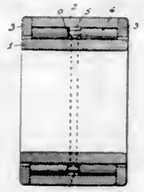
1. In combination, a tank, a member forming a chamber in which the liquid is adapted to rise to substantially the same height as the liquid within the tank when the tank and chamber are in communication; a gauge below the tank, and means for selectively establishing communication between the bottoms of the tank and said chamber, and between said chamber and gauge.

1,979,706
CAN COVER
Christopher S. Reamy, Los Angeles, Calif.
Application June 14, 1933, Serial No. 675,743
1 Claim. (Cl. 220—24)



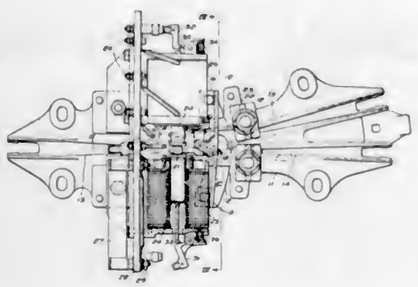
The combination comprising, a liquid container, a covering device comprising a double cup-shaped cap of flexible material with a downward projecting annular flange around its edge shaped to fit the top of a container air-tight, and a similar flange projecting upward shaped to fit a smaller container in a like manner, adapted to be applied to evaporated milk cans and the like of different sizes and having a snug fitting contact over and around the top of can to provide a sanitary seal against contamination from the outside.

1,979,707
ROLLER BUSHING
Patrik Samuel Rydbeck, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a corporation of Sweden
Application October 6, 1933, Serial No. 692,375
In Sweden May 12, 1933
1 Claim. (Cl. 308—212)



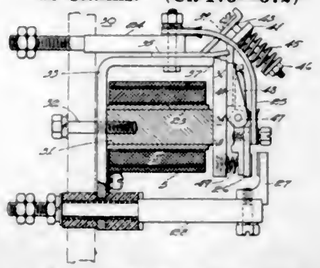
A roller bushing having an inner and an outer bearing member, cylindrical rollers disposed between the bearing members, the said rollers being provided with circumferential grooves and a retainer ring formed of resilient material and located in these grooves concentric with the bearing members, the ring being formed of a band of wire having free ends initially formed to the same curvature as that assumed by the band when assembled in the roller bushing and being located in position to engage the rollers at one side and resiliently urge them toward the bearing member at the other side.

1,979,708
TROLLEY FROG
William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 6, 1931, Serial No. 506,919
1 Claim. (Cl. 191—38)



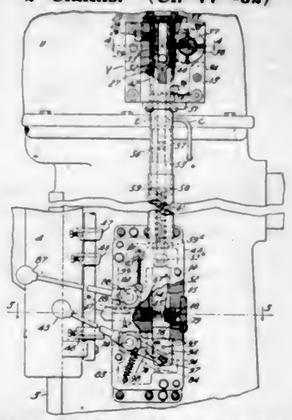
In a trolley frog for an overhead trolley wire system, in combination, a trolley pan having grooves for a main conductor passing straight through the frog and a branch conductor terminating at the frog, a tongue pivotally mounted from the underside of said pan for guiding a current collector to follow either the main or the branch conductor, actuating means mounted on top of said pan for operating said tongue to either of said positions, a plate secured to said tongue, and a yoke secured to said plate and disposed to be moved by said actuating means, said yoke being positioned around the branch conductor to permit the conductor to pass through the frog without interference.

1,979,709
TIME LIMIT CONTACTOR
Walter Schaelchlin, Wilkinsburg, and Erling Frisch, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1933, Serial No. 670,498
16 Claims. (Cl. 175—372)



1. In an electromagnetic time-limit device, in combination, a core member, an armature, means including an adjustable spring for biasing the armature away from said core, a main coil for magnetizing the core member to effect an operation of the armature; a control coil disposed to be energized when the main coil is deenergized to delay the decay of the magnetic flux produced by the main coil, and a third coil adapted to dissipate the residual magnetic flux in the core members when the main coil is deenergized and in coaction with said control coil to increase the time during which the magnetism of the core dissipates at a rapid rate and thus increase the definite period of time during which positive functioning of the armature may be obtained.

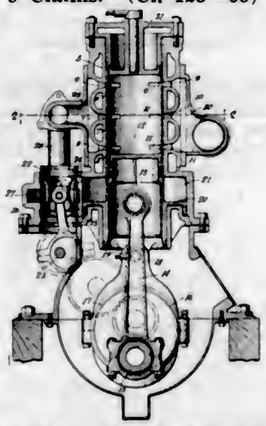
1,979,710
DUAL CONTROL FOR HYDRAULIC TRANSMISSION
Robert A. Schafer, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a corporation of Indiana
Application November 26, 1931, Serial No. 577,405
2 Claims. (Cl. 77—32)



1. A machine tool combining a stationary support; a tool carrier translatable thereon; fluid pressure means including a constant delivery pump and an hydraulic motor for translating said tool carrier; a distributing valve for controlling the rate of flow of fluid between said pump and motor thereby to control the rate of movement of said carrier; power means for shifting said valve successively to positions effecting changes in the

action of said motor; trip mechanism for controlling the action of said power means; a control lever having a lost motion connection with said trip mechanism for shifting said trip mechanism selectively to a normally effective position or to a normally ineffective position; means automatically rendered effective upon the shifting of said trip mechanism to either of its two positions to maintain said mechanism in its shifted position; a second control lever engageable with said valve for controlling the positioning thereof thereby manually to control the movement of said carrier when said trip mechanism has been shifted to its normally ineffective position; and means normally operative to disengage said second control lever from said valve upon the release of said lever by the operator.

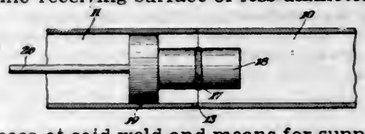
1,979,711
INTERNAL COMBUSTION ENGINE
Charles H. Sergeant, Long Island City, N. Y.; Dorothea B. Sergeant administratrix of said Charles H. Sergeant, deceased
Application February 15, 1930, Serial No. 428,581
Renewed April 24, 1934
9 Claims. (Cl. 123—65)



1. A two-cycle internal combustion engine, comprising in combination, a cylinder having exhaust ports in one side and scavenging ports in the opposite side of the same and said two sets of ports extending substantially the full length of the cylinder to enable scavenging of the full length of the cylinder by direct flow across the bore of the cylinder, a power piston operating in the cylinder, a crank shaft operated by said piston, a sleeve valve controlling the cylinder ports and ported substantially the full length of the cylinder to register with the cylinder ports, means for supplying scavenging air to the scavenging ports and means for operating the sleeve valve from the crank shaft and arranged on the outstroke of the piston to register the ports therein with the ports in the full length of the cylinder to thereby effect a flow of scavenging air across the bore of the cylinder the full length of the same, substantially at the end of the power stroke of the piston.

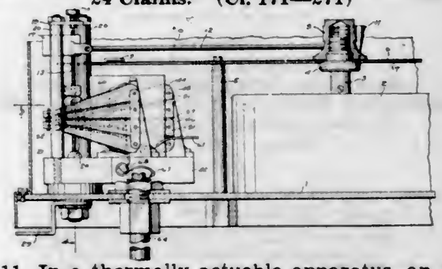
1,979,712
WELDING
Albert A. Smith, Riverdale, N. J., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application January 7, 1932, Serial No. 585,230
3 Claims. (Cl. 219—4)

3. A device for intercepting particles projected inwardly from the arc formed in flash welding two hollow pieces to each other which comprises a metallic receiving surface of less diameter than



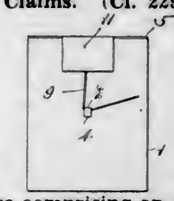
said pieces at said weld and means for supporting said receiving surface centrally through the plane of said weld.

1,979,713
RECORDING INSTRUMENT
Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application October 4, 1930, Serial No. 486,415
24 Claims. (Cl. 171—271)



11. In a thermally actuable apparatus, an oscillatably movable element having an arm extending laterally from the oscillation axis, a thermostatic device comprising a pair of parallel rectilinear coextensive spaced bimetallic elements rigidly supported at one end, a link element pivotally connected to the free ends of both bimetallic elements and extending therefrom substantially at a right angle and at its other end pivotally connected to the arm.

1,979,714
PACKAGE
William A. Spalding, Newton, Mass.
Application April 12, 1933, Serial No. 665,766
7 Claims. (Cl. 229—87)



7. A package comprising an outer member; an inner member made of sealing material and having a portion movable to permit removal of some of the material from the package; a relatively stiff element permanently attached to said portion; a stamp extending over the inner member and being attached to the outside of the outer member and extending over said relatively stiff element; and means to move said stiff element to release said stamp.

1,979,715
PLUG FUSE
Norman M. Stephenson, Los Angeles, Calif.
Application December 19, 1929, Serial No. 415,201
Renewed March 28, 1934
27 Claims. (Cl. 200—125)

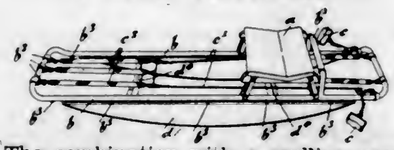
1. A plug fuse comprising, in combination, a circular body having one end open, a pair of contact

members, and a fuse element assembly closing the end of and attached to said body and comprising an insulating member having an indentation in its inner face, a fuse element connecting said contact members and having a U-shaped portion fitting in said indentation, the inter-



mediate part of said U-shaped portion being constructed to cause the element to blow at that point, and another insulating member extending into said indentation between the legs of the U-shaped portion of the element to prevent arcing between said legs when the fuse is blown.

1,979,716
SCULLING EXERCISER
Albert Victor Terry, Redditch, England
Application March 8, 1933, Serial No. 660,027
In Great Britain January 16, 1933
4 Claims. (Cl. 272—72)



1. The combination with a sculling exerciser having feet on its underside of a supporting means in the form of a rocker comprising two segmental side boards having recesses on their upper edges engageable with said feet, said side boards being united by transverse members.

1,979,717
PREPARATION OF ORGANIC ESTERS
Walter E. Vail, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1931, Serial No. 584,296
16 Claims. (Cl. 260—106)

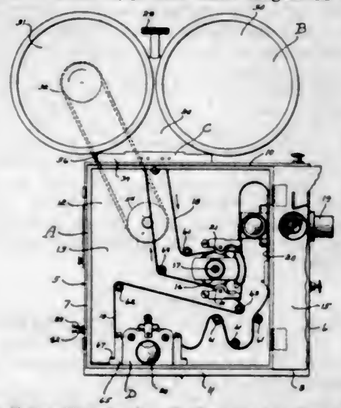
1. The process of producing alkyl esters of the aliphatic carboxylic acids which comprises reacting an olefinic hydrocarbon, carbon monoxide, and an organic compound selected from the group consisting of an alcohol and a compound which under the conditions of the reaction decomposes to form an alcohol, substantially in accordance with the following equation:

$$RR_1C{=}CR_2R_3{+}R_4OH{+}CO{=}CHRR_1{-}CR_2R_3{-}COOR_4$$

in which R, R_1, R_2, and R_3 represent hydrogen (H) or an alkyl radical and in which R_4 represents an alkyl radical.

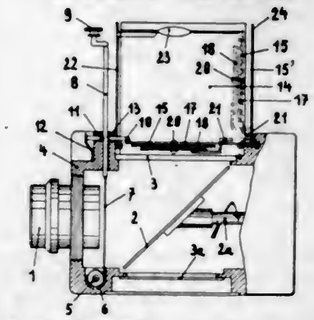
1,979,718
MOTOR DRIVEN SOUND AND PICTURE RECORDING CAMERA AND REPRODUCER
Walter W. Wehr, Allentown, Pa.
Application September 25, 1930, Serial No. 484,422
5 Claims. (Cl. 179—100.3)

1. A sound unit of the class described comprising a sound head block having an elongated film track along its upper side and slightly arcuated throughout its length, a light slit provided in the track midway the ends thereof and adjacent one side of the track, idler rollers at each end of the block for retaining the film in surface contact with the track thruout the length of the track, and rotatable guide means engageable with opposite side edges of the film



intermediate the ends of the track for preventing lateral movement of the film in its passage along the track.

1,979,719
PHOTOGRAPHIC CAMERA
Ernst Weisse, Leipzig, Germany
Application March 1, 1933, Serial No. 659,118
In Germany February 17, 1932
12 Claims. (Cl. 88—23)

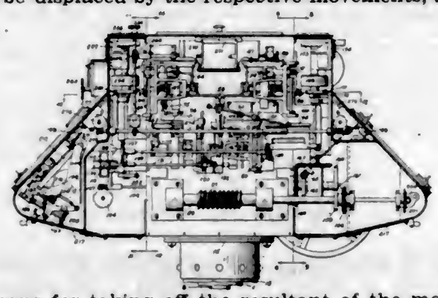


1. In a photographic camera an object lens for projecting an image, an observation screen on which the said image is visible to the operator and an exposure meter which is cooperatively associated with both the said object lens and the observation screen, and which comprises light dispersing means capable of being temporarily thrown into the path of the light rays projected by the object lens onto the observation screen so as to produce on the latter a substitute image of diffuse nature, and optical exposure indicating means capable of being concurrently associated cooperatively with the said substitute image.

1,979,720
DIRECTOR
William P. Wilson, deceased, late of Detroit, Mich., by Marie P. Wilson, administratrix, Lansing, Mich., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 20, 1930, Serial No. 422,209
6 Claims. (Cl. 235—61.5)

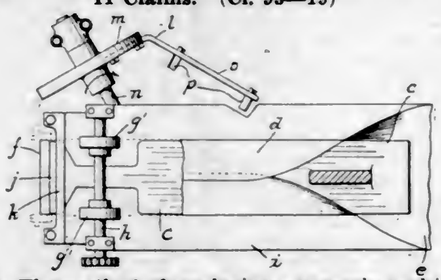
1. In a fire control instrument the combination with means for producing movements proportional to selected data, of means for combining

such movements including elements located at the apices of an equilateral triangle and adapted to be displaced by the respective movements, and



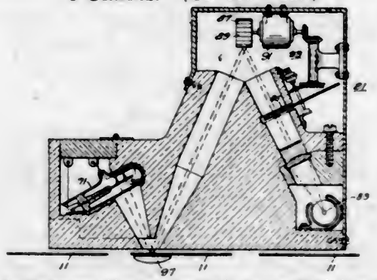
means for taking off the resultant of the movements of said elements from a point equidistant from said elements.

1,979,721
METHOD AND APPARATUS FOR MAKING PAPER BAGS
Howard A. Wolf, Philadelphia, Pa., assignor to Louis Wolf, Howard A. Wolf, and Elias Wolf, copartners, doing business as Wolf Brothers, Philadelphia, Pa.
Application May 18, 1932, Serial No. 611,960
11 Claims. (Cl. 93—19)



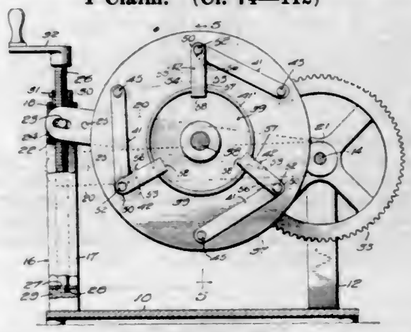
1. The method of producing a paper bag which includes continuously forming a tube from a web of paper and advancing the tube as formed, and while the tube is advancing striking lengths from the tube on longitudinally spaced lines extending transversely of the walls of the tube and on lines extending longitudinally of the edges thereof between said transversely extending lines.

1,979,722
SORTING APPARATUS
Vladimir K. Zworykin, Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application July 30, 1930, Serial No. 471,668
5 Claims. (Cl. 209—111)



1. Article sorting apparatus comprising means for producing a beam of radiant energy, means for deflecting said beam to and fro through a predetermined angle with a predetermined periodicity to scan an article to be sorted and means to be controlled by the beam emitted by said article for separating imperfect articles from perfect articles, said last-named means including a plurality of photo-sensitive devices to be excited by the radiant energy emitted by said articles to be sorted and unitary means to coact with said photo-sensitive devices to respond to variations in the total radiant flux impinging on at least one of said devices.

1,979,723
VARIABLE SPEED TRANSMISSION
Frederick W. Armitage and Edward G. Archer, Hopewell, Va., assignors, by mesne assignments, to Tom A. Burford, Hopewell, Va.
Application April 20, 1931, Serial No. 531,552
1 Claim. (Cl. 74—112)

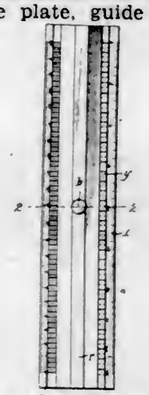


A variable speed transmission comprising a driving element and a driven element arranged adjacent each other in parallel relationship, bearing means for supporting each of said driving and driven elements, means for moving one of said bearing means transversely of its axis to vary the distance between the axes of said driving and driven elements, said driven member being provided with an annular member projecting outwardly from both sides thereof to form a circumferential guide, and a series of circumferentially spaced transmitting devices connected between said driving and driven elements, each transmitting device including an arm arranged approximately radially of said driven element and having a gripping device at one end receiving said circumferential guide and slidable therealong when the outer end of said arm is moved in one direction, said gripping device being movable into gripping engagement with said circumferential guide when the outer end of said arm is moved in the other direction, and a link pivotally connected at one end to the outer end of said arm and at its other end to said driving element whereby rotation of the latter is adapted to move said gripping device intermittently in the second named direction with respect to said driven element to transmit rotating movement thereto when the axes of said driving and driven elements are offset from each other, the pivotal connections between said links and said driving element lying on a circle of substantial size concentric with said driving element.

1,979,724
DRAFTING INSTRUMENT
Vicente Anselmo Llacer Asencio, Valencia, Spain
Application February 20, 1931, Serial No. 517,359
In Spain July 16, 1930
2 Claims. (Cl. 33—174)

2. A drafting instrument comprising a plate provided with guide means for facilitating

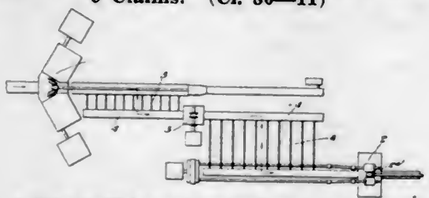
the making of interrupted lines, a ruler slidably mounted on said plate, a rack secured to the plate, a pinion rotatably mounted in the ruler and cooperating with the rack, an operating knob secured to the pinion so that rotation of the pinion causes transverse movement of the ruler across the plate, guide openings in the



plate, screws secured to the ruler and coacting with said guide openings to ensure parallel movement of the ruler with respect to the plate, further apertures in the plate and springs secured to the ruler and projecting through the apertures so as to raise the instrument from the surface on which it rests.

1,979,725
[WITHDRAWN]

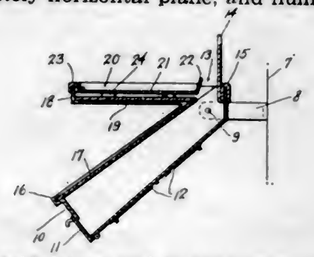
1,979,726
METHOD AND APPARATUS FOR MAKING TUBES
William Bark, Gary, Ind., and Fred W. Waterman, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey
Application June 2, 1932, Serial No. 615,016
9 Claims. (Cl. 80—11)



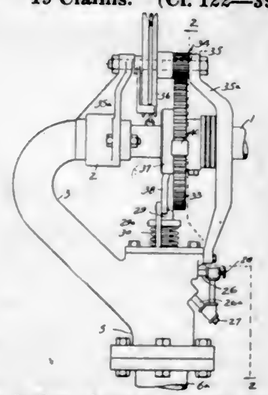
1. A tube mill layout including a rotary rolling mill, a reeling machine and a sinking-sizing machine arranged between these two.

1,979,727
COMBINED MAIL BOX AND REFLECTED SIGN
Herman W. Bennett and Frank Townsley, Owensboro, Ky.; said Townsley assignor to said Bennett
Refiled for abandoned application Serial No. 453,820, May 19, 1930. This application March 2, 1934, Serial No. 713,762
5 Claims. (Cl. 40—130)

1. In a structure of the class described, in combination, a support, attaching brackets connected to said support, an article receptacle adjustably mounted on said brackets and adapted to assume a forwardly and downwardly inclined position, a reflecting mirror carried by said receptacle, a frame also carried by the receptacle and disposed at a substantially acute angle with respect to the receptacle and adapted to assume an approximately horizontal plane, and numerals carried by said frame and located over said mirror whereby to permit the numerals to be reflected from the mirror.

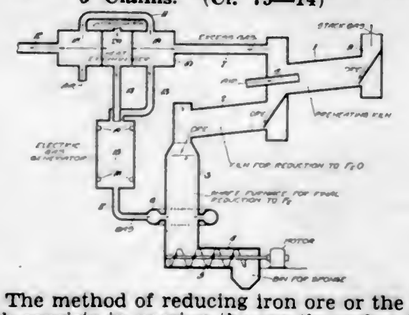


1,979,728
BOILER CLEANER
Frank Bowers, Detroit, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application May 5, 1924, Serial No. 711,275
Renewed March 23, 1933
19 Claims. (Cl. 122—392)



1. In a boiler cleaner, the combination with a rotatable blower element and a fluid passage leading thereto, of a valve controlling the same, means responsive to rotation of the blower element for unseating said valve, and means for retarding said valve during a portion only of its seating movement.

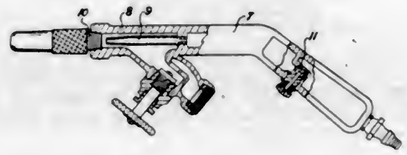
1,979,729
PRODUCTION OF SPONGE IRON
William D. Brown, Pittsburgh, Pa.
Application June 5, 1933, Serial No. 674,430
3 Claims. (Cl. 75—14)



1. The method of reducing iron ore or the like which consists in passing the ore through a kiln

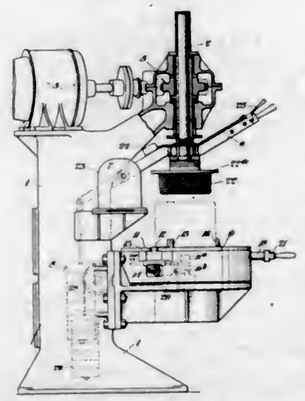
and then into and through a shaft, generating a gas comprising hydrocarbon and carbon monoxide by passing a hydrocarbon and air through a catalyzer and heating the same to a temperature above about 1500 degrees Fahrenheit, heat being supplied by the passage of a current of electricity through the catalyzer, and passing said gas first through the charge in the shaft to accomplish the final reduction and thence through the kiln to accomplish a preliminary reduction.

1,979,730
METHOD OF TREATING FUEL
Simeon Buka, Cincinnati, Ohio
Application November 7, 1932, Serial No. 641,610
4 Claims. (Cl. 44—6)



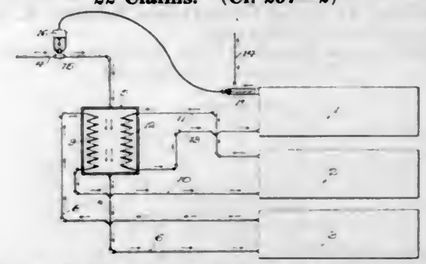
1. The method of applying dust treatment to fuel such as coal and coke comprising simultaneously directing a relatively large stream of cold water and a concentric smaller stream of oil, both of which are under pressure, in such manner that the water is broken up into a velocity stream of droplets each carrying particles of said oil and directing said stream of oil onto the fuel to be treated.

1,979,731
COUPLING GAUGING MACHINE
Alfred Burge, Gary, Ind., and James T. Shelton, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey
Application June 5, 1933, Serial No. 674,426
5 Claims. (Cl. 33—199)



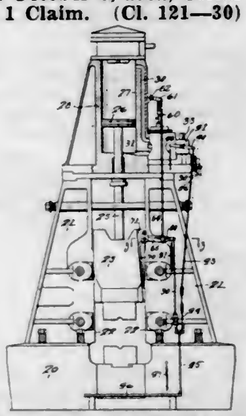
1. A coupling gauging machine including the combination of a rotative and reciprocative thread-gauge, a motor for rotating said gauge, means for reciprocating said gauge, a rotative vise for holding a coupling in registration with said gauge, means for holding said vise against rotation until a determined torque results from the entrance of said gauge into a coupling held thereby and means operable by rotation of said vise for reversing said motor.

1,979,732
PLURAL UNIT HEAT EXCHANGER
William W. Carson, Jr., Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application July 29, 1932, Serial No. 626,066
22 Claims. (Cl. 257—2)



11. In a heat interchanging system, in combination with a plurality of units whose temperature is to be changed, a circulating system including a heat exchanger individual to and in heat interchanging relation with each of said units said heat exchanger being connected in series, a heat exchanger in the inlet to the heat exchanger for the first of said units and in heat exchanging relation with the inlet to the heat exchanger for each of the succeeding units of the series, and means in the inlet to said last named exchanger for predetermining the rate of flow of the medium through all of said exchangers.

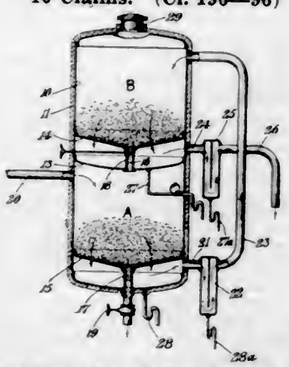
1,979,733
STROKE ADJUSTING DEVICE FOR POWER HAMMERS
Mark H. Damerell, Worcester, Mass., assignor to Wyman-Gordon Company, Worcester, Mass., a corporation of Massachusetts
Application October 6, 1932, Serial No. 636,541
1 Claim. (Cl. 121—30)



The combination in a power hammer actuated by an expanding medium and having a hammer-head, of a main valve, actuating mechanism for said valve including an actuating lever, a cam element having a substantially vertical movement with said hammer-head and engaging and operating said actuating lever, a supporting member having a pivot bearing for said actuating lever, manual means to shift said pivot bearing in a direction substantially parallel to the path of movement of said cam element, a pivot bearing for said supporting member, and additional manual means effective to move said pivot bearing for said supporting member toward or away from the path of movement of said cam

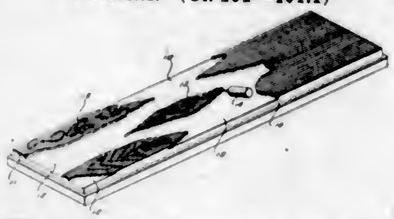
element, said latter adjusting movement being in a direction substantially perpendicular to said path of movement.

1,979,734
PETROLEUM REFINING APPARATUS
Edwin A. Dickinson, East Orange, N. J., assignor to Gray Processes Corporation, Newark, N. J., a corporation of Delaware
Application March 6, 1929, Serial No. 344,633
10 Claims. (Cl. 196—96)



1. In an apparatus of the character described a treating tower, a partition dividing said tower into superposed chambers, beds of solid adsorptive material supported for free drainage within said chambers, said beds being of different degrees of activity, means for withdrawing from each chamber liquid draining from the adsorptive material contained in such chamber, means for directing vapor downwardly through the beds of adsorptive material in the order of successively increasing activity, and means for discharging spent adsorptive material and introducing fresh catalytic material.

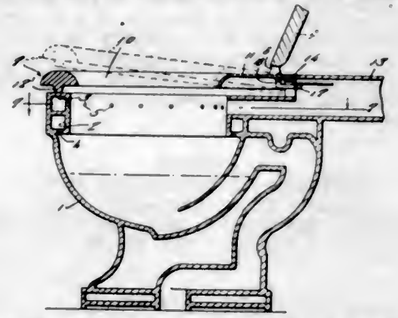
1,979,735
PRINTING
John Elmer and Bernard J. Kelly, Philadelphia, Pa., assignors to Sloane-Blabon Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 18, 1933, Serial No. 652,346
2 Claims. (Cl. 101—401.1)



2. The method of forming a printing block for a pattern having relatively narrow lines thereon which comprises cutting the broader outlines of the pattern from the wood block and forming a narrow transverse portion of a line or a pin by cutting at least one side thereof with a flame whereby said narrow portion may be freed from an adjacent portion without subjecting it to any strain and whereby said remaining portion will be formed narrow at the top with a broadened base.

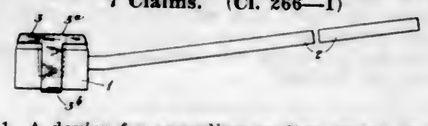
1,979,736
VENTILATED TOILET
John H. Etter, San Francisco, Calif.
Application January 16, 1934, Serial No. 706,873
1 Claim. (Cl. 4—217)

A toilet comprising a bowl, a swingable seat, said bowl being provided with a passageway at the upper portion thereof opening at points with the interior of the bowl, a suction conduit connected to said bowl, a hinged connection between the seat and the conduit, means for raising the



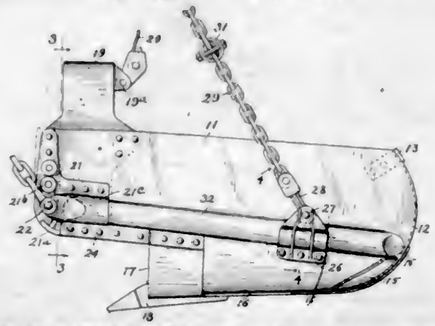
seat proper a slight distance above the bowl, the bowl end of the suction conduit being partly in communication with the said passageway and partly in communication with the space between the bowl and the seat.

1,979,737
MOLTEN METAL SAMPLING
Charles B. Francis, Pittsburgh, Pa.
Application April 16, 1934, Serial No. 720,850
7 Claims. (Cl. 266—1)



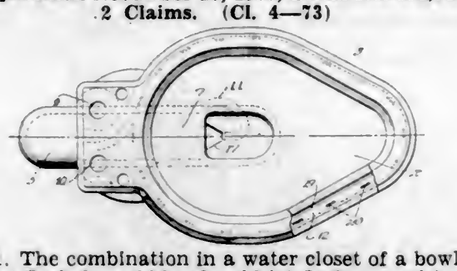
1. A device for sampling molten metal, including a mold constructed to absorb sufficient heat to solidify molten metal therein while it is itself completely immersed in a body of the same and a cover for the entrance to said mold that is constructed to disintegrate shortly after being contacted by molten metal.

1,979,738
DRAG LINE BUCKET
Alfred E. Gibson, Cleveland Heights, Ohio, assignor to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1932, Serial No. 619,745
10 Claims. (Cl. 37—135)



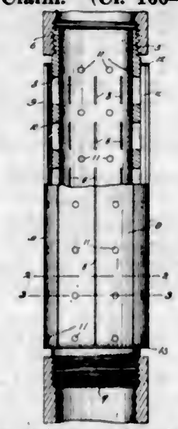
1. In a bucket of the drag line type, connecting brackets on the sides of the bucket for the hoisting or dumping lines, stiffening or reinforcing members on the sides of the bucket and extending from forwardly of the cutting or digging edge of the bucket to rearwardly of said connecting brackets, said brackets having portions formed to interfit with and overlie said members.

1,979,739
COMBINED FLUSH VALVE AND WATER CLOSET
William C. Groeniger, Columbus, Ohio, assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application November 10, 1930, Serial No. 494,741
2 Claims. (Cl. 4—73)



1. The combination in a water closet of a bowl, a jet flush for said bowl, said jet flush comprising a passage having an outlet orifice to the bowl, the passage being substantially circular in cross-section and the orifice being substantially rectangular in cross-section.

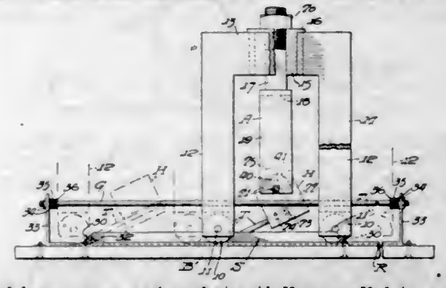
1,979,740
WELL STRAINER
Daniel Jefferson Hamm, Beaumont, Tex.
Application July 8, 1933, Serial No. 679,547
1 Claim. (Cl. 166—5)



A strainer for driven well tubes, comprising a cylindrical pipe section having threaded ends, said pipe section having vertically extending elongated openings therein disposed in spaced vertical rows around the pipe and in spaced relation with each other in the row, an outer casing embodying a plurality of parallel vertical bars disposed exteriorly of the pipe section, said bars being spaced apart and their inner edges being beveled to provide elongated passageways widening inwardly, the passageways formed by the bars being disposed over the adjacent elongated openings, and in the same axial planes, and means for securing the bars to the pipe section.

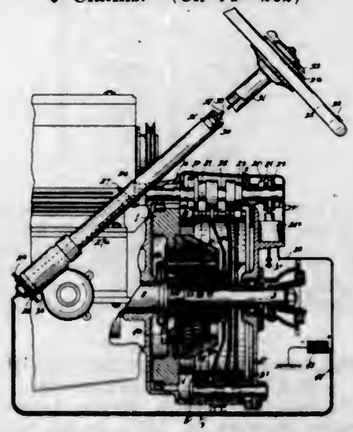
1,979,741
APPARATUS FOR SHARPENING TOOLS OF CHISEL TYPE
Sukezo Hangi, Lihue, Kauai, Territory of Hawaii
Application October 5, 1933, Serial No. 692,340
5 Claims. (Cl. 51—158)

1. An apparatus for sharpening edged tools of the chisel type, comprising an abrading element providing a sharpening surface, parallel rails extending parallel to said surface, a reciprocable carriage guided by said rails, a tool frame including a U-shaped member having the legs extending toward said surface, a tool holder pivoted to



said legs on an axis substantially parallel to said surface, and devices including a threaded stem secured to the bight of said U-shaped member, and a nut for supporting said frame on said carriage and for adjusting the same toward and away from said surface.

1,979,742
POWER TRANSMISSION MECHANISM
Charles Edouard Henriod, Areuse, Switzerland
Application January 9, 1934, Serial No. 705,925
In France January 10, 1933
6 Claims. (Cl. 74—262)

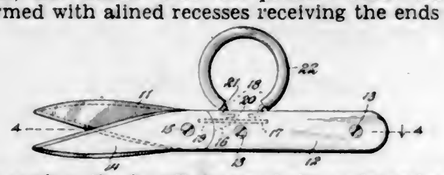


1. A power transmission for vehicles comprising a main drive shaft, a secondary shaft to be actuated thereby, means for varying the speed ratio between the two shafts, a rotatable cam shaft for controlling said means, indicating means situated in the range of vision of the vehicle operator and operatively connected to the cam shaft to be moved in accordance with the movements of the cam shaft, two stepping devices for moving the cam shaft in a step by step movement in both directions of rotation, an operating member for each stepping device and means for operatively connecting each operating member to the corresponding stepping device and adapted to move the cam shaft through one step each time the operating member is actuated.

1,979,743
THREAD CLIPPER
Willard V. Hershey, Fremont, Ohio
Application April 26, 1934, Serial No. 722,556
4 Claims. (Cl. 30—14)

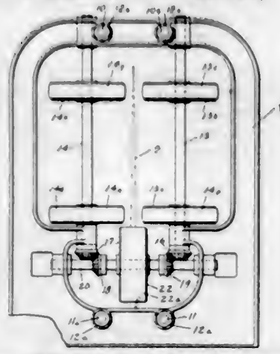
1. A clipper comprising a handle, a relatively stationary blade constituting an extension of one side of the handle, a pivoted blade cooperating

with the relatively fixed blade, a normally straight spring urging the pivoted blade toward open position, the handle and the pivoted blade being formed with alined recesses receiving the ends of



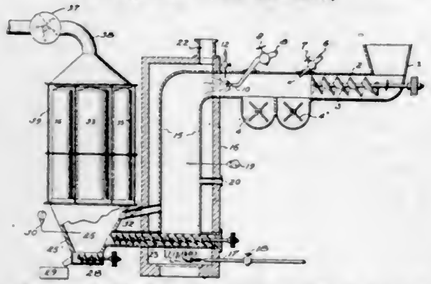
the spring, the handle recess being enlarged adjacent the inner end of the blade to form a shoulder about which the spring is tensioned as the pivoted blade closes.

1,979,744
MACHINE FOR MARKING SHINGLES
Frederick B. Huntington, Mapleton, Oreg.; Edwin C. Huntington executor of said Frederick B. Huntington, deceased
Application June 5, 1933, Serial No. 674,394
2 Claims. (Cl. 33—37)



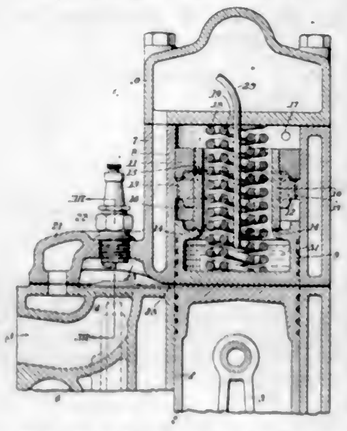
1. In a machine for printing an exposure mark on a shingle, a horizontal conveyor belt, a plurality of vertical belts for maintaining the shingle in vertical position and a pair of inked rollers for printing an exposure mark on both sides of each shingle as it passes between the belts.

1,979,745
APPARATUS FOR CONVERTING LEAD SUBOXIDE TO LITHARGE
Lyuho S. Ishimura, Kyoto, Japan
Application January 21, 1931, Serial No. 510,267
4 Claims. (Cl. 23—146)



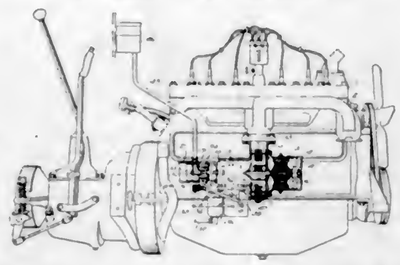
1. An apparatus for converting Pb_2O in powder form to a higher oxide of lead, comprising, a conduit, a conveyor in the conduit, an agitator or beater in communication with the interior of the conduit located to receive the powder from the conveyor and operative to subdivide the Pb_2O and make it very fine as it passes through the conduit and means extending into the conduit for heating the contents.

1,979,746
INTERNAL COMBUSTION ENGINE
Christian H. Kenneweg, Millvale, Pittsburgh, Pa.
Application December 27, 1929, Serial No. 416,797
2 Claims. (Cl. 123—78)



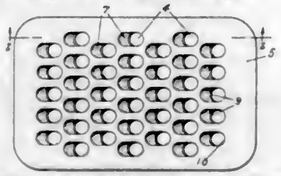
1. A head for the cylinder of an internal combustion engine comprising a chamber constituting an extension of said cylinder, an open ended piston in said chamber having an annular, peripheral recess, means for limiting the travel of said piston including a projection from the wall of the chamber coacting with the recess in said piston, providing a pneumatic check at the limits of movement of said piston, and a spring extending into the open end of said piston and engaging the end of the chamber for biasing the piston toward one of said limits of movement.

1,979,747
SUPERCHARGER
Christian H. Kenneweg, Millvale Borough, Pa.
Application February 10, 1930, Serial No. 427,131
1 Claim. (Cl. 123—119)



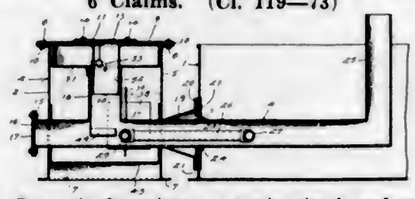
The combination with an internal combustion engine having a carburetor and a manifold, of a supercharger inserted between said carburetor and manifold comprising a casing having an inlet opening leading to the carburetor and an outlet opening leading to the manifold, an impeller wheel mounted for rotation within said casing, a motor for driving said wheel coupled thereto, means for supplying heated air to said casing for mixing with the fuel vapor from the carburetor, means for admitting a mixture into said casing in accordance with the speed of the engine, and means for increasing the speed of the impeller wheel-motor in accordance with the quantity of said mixture, said air supply means, mixture admitting means, and motor speed control means being coupled to the carburetor control.

1,979,748
METHOD FOR MANUFACTURING FRUIT AND VEGETABLE SLICERS
Leslie D. Kimmel, Bluffton, Ohio, assignor to Bluffton Slaw Cutter Company, Bluffton, Ohio, a copartnership composed of L. D. Kimmel, Margaret Kimmel, C. B. Fett, Gilbert Fett, R. D. Tripplehorn, Ellen Stambaugh, and Corrine Rhind
Application November 17, 1930, Serial No. 496,113
3 Claims. (Cl. 76—104)



1. In a method of forming a slicer, severing and removing a portion of a plate to form a round aperture, depressing a portion of the metal around the severed portion, and continuing the depression to a point where the upper edge adjacent the depressed portion where a part has been severed from the sheet is drawn back to form a beveled edge.

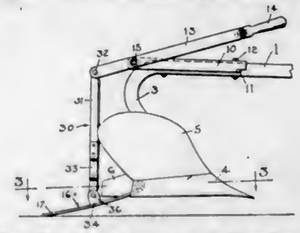
1,979,749
HEATED STOCK WATERER
Alfred P. Larsen, Wentworth, S. Dak.
Application January 7, 1933, Serial No. 650,722
6 Claims. (Cl. 119—73)



1. In a stock waterer, a water tank, a housing adjacent the tank and including two side walls, relatively low end walls and a top wall, a receptacle disposed between the side and end walls of the housing and having its top edge flush with the top edges of the end walls, partitions within the housing between the side walls extending downwardly into the receptacle and dividing the same into a center area and two outer areas, the outer areas constituting troughs, a tubular body having one end extending through a side wall of the housing and lying within the receptacle between said partitions and having its other end extending into said tank and terminating in an upwardly directed open portion, means for transferring water from the tank into the receptacle through the tubular body, a fuel tank in said housing beneath the top thereof, a second tubular structure disposed vertically within said housing and opening into the first structure, a fuel burner disposed at the lower end of the second tubular structure within the first tubular structure, and means connected with said fuel tank for discharging fuel therefrom downwardly onto said burner.

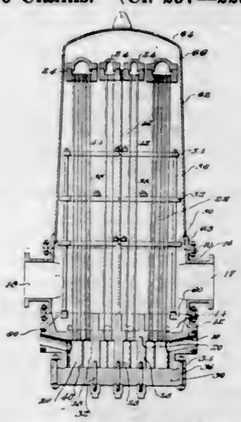
1,979,750
HIGH-LIFT ATTACHMENT FOR FRAMELESS PLOWS
Milner E. Larsen, Bickleton, Wash.
Application July 18, 1933, Serial No. 680,949
3 Claims. (Cl. 97—132)

1. In a frameless plow having a beam, a standard depending from the beam, and a share, a moldboard and a landslide extending from said standard; an attachment for lifting and providing support for said plow, comprising a longitudinal support secured to said beam, a horizontally disposed hand lever pivotally connected with said support and conveniently operable from a point



forwardly of said beam, a rod fixedly secured between said share and landslide, an elongated and rearwardly extending shoe having its forward end swingingly engaged with said rod, and a vertically extending link pivotally connected at its upper end with said lever, and swingingly connected at its lower end with said shoe.

1,979,751
HEAT EXCHANGE APPARATUS
Charles H. Leach, Roselle, N. J.
Application November 29, 1933, Serial No. 700,286
6 Claims. (Cl. 257—223)

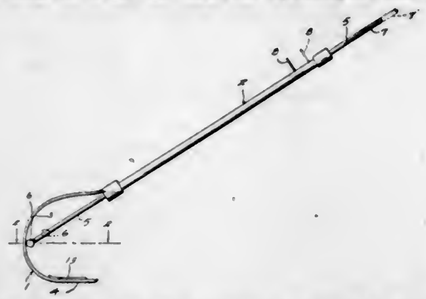


1. Heat exchange apparatus comprising a support provided with a fluid passage, heat exchange tubing connected to the support and communicating with the fluid passage, the tubing consisting of a generally parallel series of tube lengths having a free space therebetween through which fluid medium circulates lengthwise of and about the tubes, and a tubular shell enclosing the intertubular space surrounding the tubes and closed at the end remote from the support, the shell being detachably connected with the support and tapering outwardly from the closed end to the connected end to facilitate removal from about the tubes.

1,979,752
RAKING AND PICKING UP TOOL
Leonard A. Lopez, Wilmington, Calif.
Application November 11, 1933, Serial No. 697,670
3 Claims. (Cl. 55—10)

1. A device of the character described, comprising an elongated arcuate imperforate body, teeth formed along one longitudinal edge thereof, a handle secured at one end to the other longitudinal edge, said handle being tubular, a shaft

extending through and shiftable in said tubular handle, a bar secured transversely of the forward end of the shaft and opposing the concave surface of the body, a lever carried by the shaft and passing laterally through an opening in the wall



of the hollow handle, means engageable by said lever for securing the same in a selected position of adjustment longitudinally of the handle, and spring means connected with the shaft and normally tending to shift the same in one direction through said handle.

1,979,753

OPEN-HEARTH SLAG UTILIZATION

James E. Lose and Ralph H. Watson, Munhall, Pa.

No Drawing. Application November 14, 1932, Serial No. 642,679

3 Claims. (Cl. 75—76)

3. The method of utilizing basic open-hearth furnace slag by smelting it in the presence of a reducing agent to obtain a high manganese and phosphorus product, oxidizing this product in a basic converter so as to produce a high manganese, low phosphorus slag and a low manganese, high phosphorus iron and oxidizing said low manganese, high phosphorus iron in a basic converter to produce a usable metal and a high phosphorus slag.

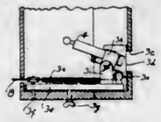
1,979,754

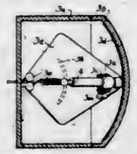
PROTECTIVE SYSTEM

Norman J. McAlister, Anderson County, S. C.

Application May 2, 1934, Serial No. 723,578

3 Claims. (Cl. 89—37)





1. In a gun-mount, the combination of a base member, a turn-table pivoted to said base member, a gun mounted upon said turn-table, a firing cable secured to the trigger of said gun, and a tension spring secured at one end to said turn-table and at the other end to said cable to take up the slack in said cable between said turn-table and the cable operating means.

1,979,755

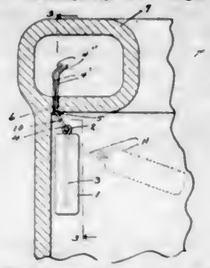
DISINFECTING DEVICE

Louis J. McDermott, San Francisco, Calif.

Application February 11, 1933, Serial No. 656,212

2 Claims. (Cl. 4—231)

1. A disinfecting device provided with a suspension loop, a clip engaging the loop provided with spring legs arranged to spread outwardly, and a movable device engaging the legs to hold them



close together for insertion into a hole in a bowl and displacing said movable device to permit the legs to spread.

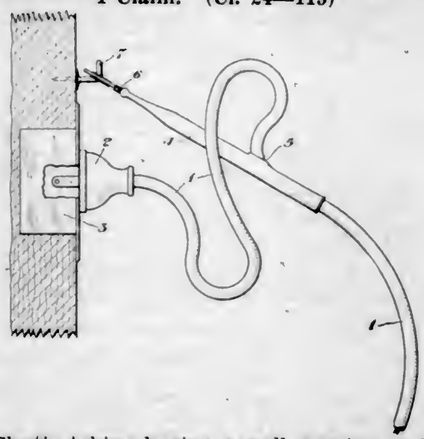
1,979,756

HOLDING DEVICE

Owen A. McNamee and Charles P. Vaill, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application March 27, 1933, Serial No. 663,017

1 Claim. (Cl. 24—115)



Elastic tubing having a wall opening and an end connecting means, whereby said means may be connected to an anchorage and said tubing receiving a cord or cable by way of its end remote from said means and its wall opening, said opening being of such size that the wall thereof will grip said cable or cord against a pull, by constricting action of the tubing.

1,979,757

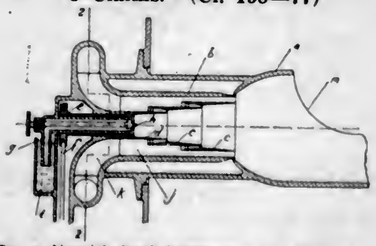
LIQUID FUEL BURNER

Henri Fabrice Mélot, Montrouge, France

Application July 3, 1933, Serial No. 678,957

In France July 19, 1932

3 Claims. (Cl. 158—77)



1. In a liquid fuel burner, an atomizer which comprises in combination with a combustion chamber, at least two coaxial annular elements

rigidly held together, one of said elements extending a slight distance within the other one with a certain radial clearance between them, means for revolving said elements about their common axis, a sleeve coaxial with said elements and surrounding them opening into the combustion chamber, means for feeding air to said sleeve, a fuel tank in which the liquid level is located below said axis, and conduit means dipping into said tank and opening into the annular element of smallest diameter for feeding fuel from said tank to said element.

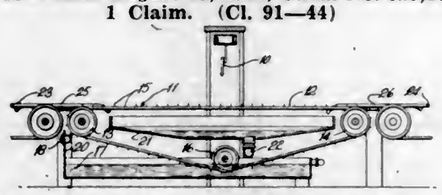
1,979,758

COATING APPARATUS

Ericsson H. Merritt, Lockport, N. Y.

Application August 19, 1932, Serial No. 629,405

1 Claim. (Cl. 91—44)



Coating apparatus, comprising material-applying mechanism and endless conveyor means for moving objects under said applying mechanism, said conveyor means including a plurality of rubber strands having a plurality of outwardly extending spikes mounted thereon at sufficiently close intervals so that the object will be supported by a multiplicity of spikes.

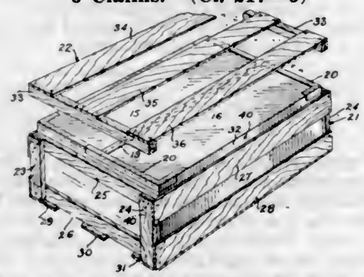
1,979,759

SHIPPING RECEPTACLE

Edward Milani, San Francisco, Calif.

Application January 31, 1933, Serial No. 654,437

3 Claims. (Cl. 217—3)



1. A receptacle for shipping fresh perishable products comprising a rectangular box body composed of double faced corrugated board having at least one of its faces treated to render it resistant to penetration by moisture, said box body having its top formed of flaps which are a continuation of the side walls of the box angularly bent at the upper edge of the box body, said flap portions being adapted for relatively cooperating to substantially completely over-lie the interior of the box and to close the box except for crevices at two ends and transversely of the top, a crate having a rectangular interior for receiving therein said box body, said crate comprising top and bottom sections, said bottom section being adapted to receive the greater portion of the vertical height of said box body, the upper edges of said bottom section terminating in spaced relation and adjacently below the upper edges of said box body so that the crevices at the top of the box are free of said bottom section when the box body is placed within the bottom section, the said top section of the crate including longitudinal slats and depending flanges, the latter being adapted for seating on the upper edge of the said bottom section at the ends of the enclosed box body, the height of said flanges being substantially equal to the height of the enclosed box body which is above and free of said bottom section.

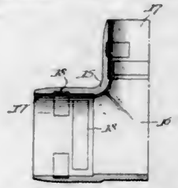
1,979,760

PIPE OR ROD COUPLING AND JOINT

Frank H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application June 2, 1933, Serial No. 674,090

4 Claims. (Cl. 285—115)



1. A coupling including a socket portion adapted to receive a member and provided with a plurality of recesses respectively circumferentially and axially offset, the recesses being substantially filled with fusible bonding material adapted to be fused to form a joint between the coupling and the inserted member.

1,979,761

CAR CONSTRUCTION

Einar B. Norbom, Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del., a corporation of Delaware

Application June 17, 1931, Serial No. 545,098

20 Claims. (Cl. 213—8)



2. In a car structure of the type embodying a continuous center member extending substantially the length of the car structure and mounted for longitudinal movement relative thereto and resilient means operatively interposed between the center member and car body and normally maintaining the same in a predetermined relative position, the combination of a wedge member and cooperating friction elements, one secured to the center member and the other to the car body, said wedge member having separate wedge surfaces effective in opposite directions of relative movement of the center member and car body, one of said friction elements engaging one of said surfaces and a separate friction element engaging the other surface, and means for maintaining said friction elements in frictional engagement with said surfaces.

1,979,762

METHOD OF FINISHING SHEET PYROXYLIN

Robert G. O'Kane and Elmer R. Derby, Springfield, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts

Application February 12, 1930, Serial No. 427,780

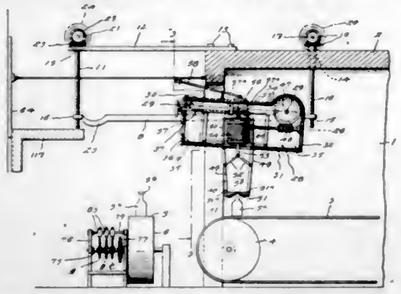
14 Claims. (Cl. 18—51)



3. That improvement in the art of making sheet pyroxylin which consists in extruding through an orifice a plastic mass in the form of a

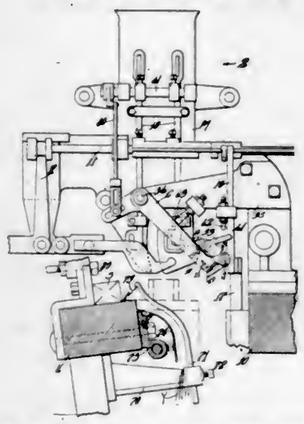
sheet, and then altering the physical condition of the surface of the sheet by stretching it while the sheet is still plastic.

1,979,763
BOTTLE TRANSFER APPARATUS
Andrew Olson, Port Allegany, Pa.
Application April 21, 1934, Serial No. 721,803
12 Claims. (Cl. 214—1)



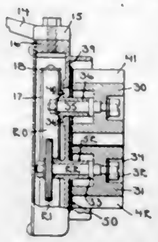
1. An apparatus for transferring articles from one conveyor to another, comprising a carriage, means supporting the carriage for movement from a position above one of the conveyors to a position above the other and the supporting means being formed to effect a bodily downward movement of the carriage when in either of said positions, means for moving the carriage from one of its positions to the other, article gripping means mounted on the carriage, and means for operating said gripping means to effect the engagement of the articles when the carriage is in one of its positions and to effect the release of the articles when the carriage is in the other of its positions.

1,979,764
THREAD EXTRACTOR FOR WEFT REPLENISHING LOOMS
Oscar V. Payne, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 19, 1931, Serial No. 569,585
21 Claims. (Cl. 139—256)



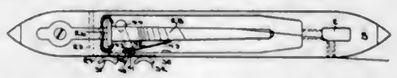
1. In a weft replenishing loom having a lay and shuttle with a delivery eye, means to sever the weft of the shuttle adjacent the eye, other means to sever the weft adjacent the selvage, and means including a plurality of elements certain of which are independent of the lay and the remainder moving with the lay to produce a plurality of bends in the weft between the eye and selvage to take up the weft and draw the same away from the eye.

1,979,765
THREAD HOLDER FOR WEFT REPLENISHING LOOMS
Oscar V. Payne, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 19, 1931, Serial No. 569,586
8 Claims. (Cl. 139—247)



1. In a thread holder for weft replenishing looms, a pair of travelling thread engaging surfaces one of which intersects the path of travel of the other, means dependent upon shaking of the loom due to operation to actuate the surfaces, and an element operatively related to the surfaces and effective to resist excess movement of said surfaces.

1,979,766
INERTIA ACTUATED WEFT DETECTOR
Oscar V. Payne, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 30, 1931, Serial No. 578,066
5 Claims. (Cl. 139—273)

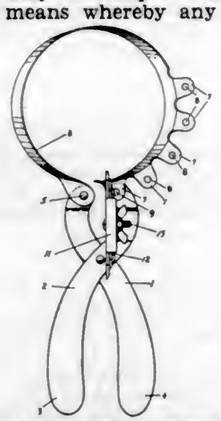


1. In weft detecting mechanism for a loom, a shuttle movable back and forth in the loom and coming to rest abruptly at the end of each flight, a metallic weft carrier having a mass of non-conducting weft thereon, an electric detector, and a weighted mass operatively connected to the detector and movable by reason of the momentum thereof when the shuttle is brought to rest to move the detector toward the weft and carrier, electric engagement of the detector effective to cause a change in loom operation by a current flowing through the metallic weft carrier.

1,979,767
DEVICE FOR COMPRESSING PISTON RINGS AND CLEANING GROOVES
Ruben L. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, a corporation of Kentucky
Application September 10, 1932, Serial No. 632,564
1 Claim. (Cl. 7—1)

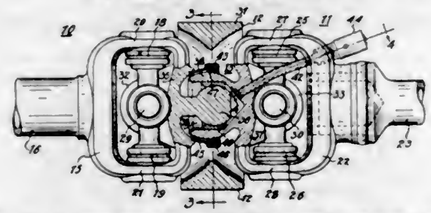
A device of the character specified comprising a pair of pivotally connected levers, a resilient ring having one of its ends pivotally mounted on the end of one of said levers, a series of perforated lugs on said ring, a stud on the other lever for detachably engaging either of said lugs, a channeled member carried by one of said levers intermediate its pivotal connection and said ring, said member and lever being located in parallel

planes, a plurality of scrapers carried in said member, and means whereby any one of said



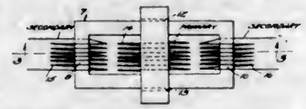
scrapers may be adjusted to extend inwardly of said ring.

1,979,768
DOUBLE UNIVERSAL JOINT
John W. B. Pearce, Toledo, Ohio
Application July 24, 1933, Serial No. 681,927
13 Claims. (Cl. 64—102)



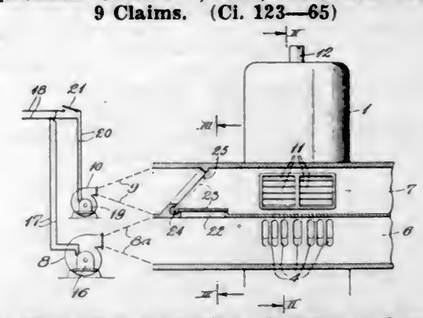
1. In a universal joint the combination of a plurality of pairs of swivelly connected members, an intermediate transmission member having operative pivotal connection with corresponding members of said pairs, other corresponding members of said pairs having portions cooperating with each other for operatively connecting such other members, one of said cooperating portions having a recess therein and another having a ball disposed in said recess, and a bearing for said ball slidable in the recess.

1,979,769
CONSTANT CURRENT TRANSFORMER
Arthur Pfeil, Irvington, N. J., assignor to Red Arrow Electric Corporation, Irvington, N. J., a corporation of New Jersey
Application February 15, 1934, Serial No. 711,413
7 Claims. (Cl. 171—119)



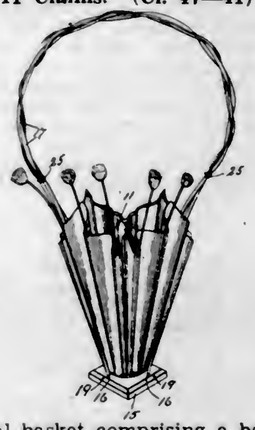
1. A constant current transformer comprising, a core member of magnetic material formed to have coil supporting legs joined by an unbroken yoke, a primary coil on one of said legs, a secondary coil on another of said legs, and a shunt path of magnetic material externally encircling the major portion of said core member and spaced therefrom to provide air gaps between said core member and said shunt for by-passing a portion of the flux generated by said primary coil from said secondary coil.

1,979,770
TWO-CYCLE ENGINE SCAVENGING AND CHARGING
Edward B. Pollister, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a corporation of Missouri
Application October 7, 1931, Serial No. 567,347
9 Claims. (Cl. 123—65)



1. Means for scavenging, charging and supercharging a cylinder of a two-cycle internal combustion engine, comprising a source of low pressure air, a source of higher pressure air, a duct communicating with and receiving the air from the source of low pressure, a duct communicating with and receiving scavenging air from the source of higher pressure, a passage connecting said ducts, valve means to open and close said passage, valve means between the source of higher pressure and the high pressure duct, to open and close the communication between them, the cylinder having piston-controlled ports in its wall connected to the low pressure duct and other piston controlled ports in its wall connected to the higher pressure duct, a valve or valves between the higher pressure duct and its ports, and means for placing the source of higher pressure into and out of operation.

1,979,771
FLORAL BASKET
Howard M. Potter, Youngstown, Ohio
Application April 23, 1931, Serial No. 532,272
11 Claims. (Cl. 47—41)



2. A floral basket comprising a base member, a receptacle mounted thereon formed from a single sheet of pliant metal the said single sheet of pliant metal having a base portion at the center thereof and outwardly flaring sides drawn upward from the said base, said sides being corrugated with the corrugations running in an up and down direction, the said corrugations providing channels for fixedly positioning floral ele-

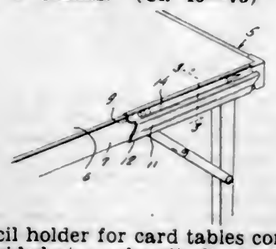
ments assembled in said receptacle; handle members having terminal portions fixedly attached to the base member and portions thereof seated in recesses of selected corrugation channels; attaching means securing together the handle members and the corrugated walls of the receptacle whereby to lockingly attach the receptacle to the base and provide handle portions for transportation.

1,979,772
ANTISKID DEVICE
Charles L. Reed, Corning, N. Y.
Application July 12, 1933, Serial No. 680,120
4 Claims. (Cl. 152—14)



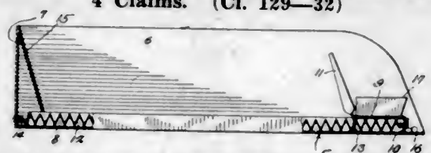
1. In an anti-skid device for a tire, an anti-skid element comprising a relatively thin curved plate with a smooth inner face having its radius of curvature greater than that of the tread of the tire with which it is to be associated, said plate having its ends provided with laterally spaced means for receiving a securing device therefor and having a part adjacent one end offset to one side of its longitudinal median in one direction along the tread surface of the tire and a second part adjacent its other end offset to the other side of its longitudinal median in the other direction along the tread surface of the tire, each of said offset parts being formed with an outwardly projecting boss on its outer surface positioned adjacent the extreme edge of the offset part, each of said bosses being formed with a socket terminating short of the inner face of the plate, the inner portion of the wall of the latter being threaded and the outer portion of said wall being of frustro-conical shape with the larger end adjacent the outer surface of the boss and a tread member formed of an inner, an outer, and an intermediate part, the latter extending laterally beyond said other parts and bearing against the outer surface of the enlargement, said inner part conforming in contour to the shape of the socket and threadedly engaging with the wall of the latter, and said outer part being of frustro-conoidal contour and projecting from said enlargement, said last mentioned parts projecting at slightly divergent angles with respect to the central plane of the tire tread and extending in the direction of said plane beyond all other parts of the device, whereby said tire will be supported solely by said offset frustro-conoidal part.

1,979,773
PENCIL HOLDER
Nell Ritch, San Antonio, Tex.
Application May 29, 1934, Serial No. 728,173
3 Claims. (Cl. 45—75)



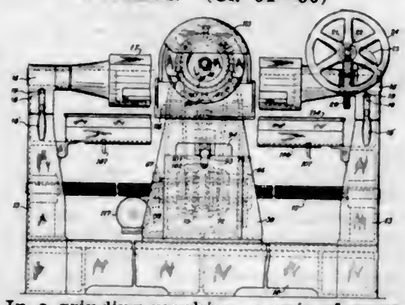
1. A pencil holder for card tables comprising a trough provided at one longitudinal edge portion with a depending flange and at its opposite edge portion with a depending side wall, said side wall being provided with a horizontal portion at its lower portion, and a spring detent on the said horizontal portion.

1,979,774
MAIL DISPENSER
George L. Scoville, Hamilton, Ohio, assignor to Fred Greschel, Lakeland, Fla.
Application January 20, 1934, Serial No. 707,581
4 Claims. (Cl. 129—32)



2. A container of the class described, comprising a body portion having an open side and end, a follower operating in the body portion, fingers rising from the follower for engaging the articles held in the container and means for urging the follower towards one end of the body portion.

1,979,775
KNIFE GRINDER
Frederick W. Seybold, Dayton, Ohio, assignor to Harris, Seybold, Potter Company, Cleveland, Ohio, a corporation of Delaware
Application April 25, 1933, Serial No. 667,841
9 Claims. (Cl. 51—56)



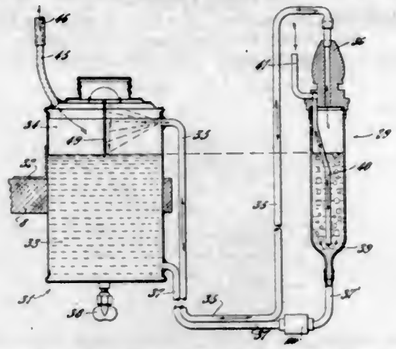
1. In a grinding machine, a pair of ways, end standards fixed with respect to said ways, an elongated work carrier mounted in said standards for rotational adjustment, a fixed lead screw mounted in said standards, a carriage slidable upon said ways, said carriage supporting an electric motor, a grinding wheel driven thereby, and a nut running upon said screw and driven by the motor for traversing the carriage upon its ways.

1,979,776
ILLUMINATED ADVERTISING, DISPLAY, AND DEMONSTRATING SIGN
Thomas B. Stephenson, Springfield, Mass.
Application November 3, 1933, Serial No. 696,525
14 Claims. (Cl. 40—126)

1. In combination, in a display apparatus for demonstrating the use of a nasal preparation, an enclosing casing, a receptacle for receiving the nasal liquid, an atomizer member, communicating means between the said receptacle and the atomizer member, means for producing a vacuum in the said receptacle for drawing air into the atomizer and through the liquid, the atomizer having means for admitting air therein and liquid from the receptacle, and means for illuminating the atomizer member.

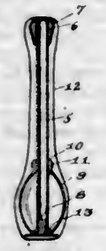
14. In a device for the purpose described, an enclosing casing, a belt therein for displaying advertising matter, upper and lower rollers for mov-

ably supporting the belt, means for pivotally and adjustably supporting the lower roller, a driving chain for the lower roller, means engaging the



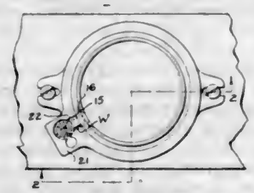
said roller-supporting means for adjusting the tension of the driving chain, and means for driving the driving chain.

1,979,777
DUAL CONTAINER
Clauss B. Strauch, New York, N. Y.
Application June 10, 1932, Serial No. 616,567
In Germany September 18, 1931
10 Claims. (Cl. 128—60)



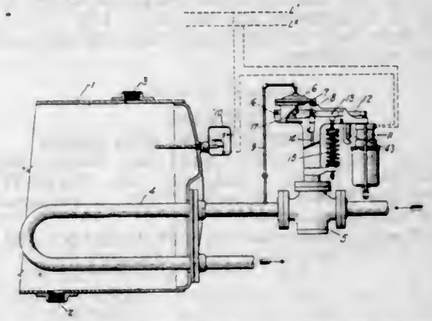
1. A device of the kind described, comprising a relatively movable tube member and bulb member, said members being adapted to contain incompatible substances, and a plug for one of said members secured to the other member and normally segregating the interior of one member from the interior of the other member.

1,979,778
LUBRICATING DEVICE FOR TWISTER RINGS
Henry B. Stuart, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application July 28, 1932, Serial No. 625,378
2 Claims. (Cl. 118—59)



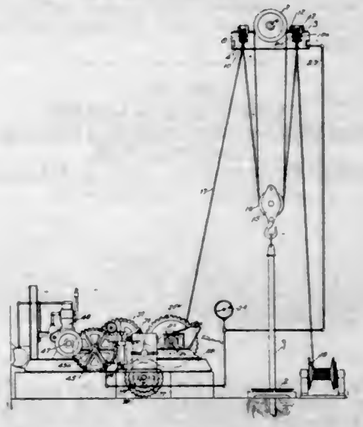
1. In a twister, in combination, a vertical flange ring having radial openings therethrough, a wick disposed in said openings, a ring holder having a recess substantially circular in cross section and having a smaller offset circular oil storage recess in free communication with said first recess, and circular pads of absorbent material filling said first recess and positioned above and below the ends of said wick.

1,979,779
TEMPERATURE LIMITING MECHANISM FOR HOT WATER SYSTEMS
Arthur Little Tobin, Lynnfield Center, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.
Application April 10, 1934, Serial No. 719,914
11 Claims. (Cl. 236—92)



1. In a control valve, comprising a valve casing having a controlling valve therein, a floating lever pivoted at one end to the controlling valve, a motor operated device connected to the opposite end of the floating lever and a pressure sensitive device pivoted at an intermediate position and acting as a fulcrum for the motor operated device the arrangement being such that the pressure sensitive device is rendered inoperative by the operation of the motor operated device.

1,979,780
DRAW WORKS
Harry L. Turney, Los Angeles, Calif.
Application July 7, 1933, Serial No. 679,441
In Great Britain July 7, 1932
5 Claims. (Cl. 254—187)



1. In a draw works, the combination of a drill pipe; a line supporting the pipe; a drum operating the line; a motor; a gear connection between the motor and drum driving the drum in a winding direction with a forward running of the motor; and means driven by the drum rotated in an unwinding direction driving the motor in a forward direction.

1,979,781

METHOD OF MAKING EDIBLE SUGAR SYRUP

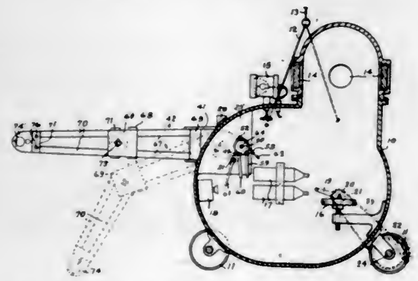
August L. van Scherpenberg, Tirlemont, Belgium
No Drawing. Application February 11, 1931, Serial No. 515,136. In the Netherlands November 30, 1929
2 Claims. (Cl. 127—30)

1. A method of making edible sugar syrup, which consists in preparing an aqueous solution of raw sugar having a concentration between 60 and 80° Brix, adding to said solution active carbon in an amount from trace to 3%, stirring and heating the mixture thus obtained under pressure to a temperature exceeding 120° C. during less than half an hour and removing the carbon from said mixture.

1,979,782

MECHANICAL ARM AND HAND

Elbert Houston Wiley and Carl Haven Wiley, Seattle, Wash., assignors to Curtis-Wiley Marine Salvors, Seattle, Wash., a corporation of Washington
Application December 16, 1931, Serial No. 581,374
18 Claims. (Cl. 61—69)

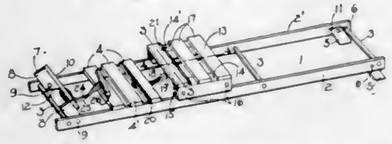


1. In a device of the class described, a diving bell; an arm pivoted at one end for horizontal and vertical swinging movement on two fixed axes on said diving bell, which fixed axes are positioned in a common plane and intersect each other at right angles; and means actuated from within the diving bell for pivoting said arm on said axes.

1,979,783

EXERCISING MACHINE

Theodore Williams, Syracuse, and Herman Casler, Canastota, N. Y.
Application September 20, 1932, Serial No. 634,060
6 Claims. (Cl. 272—72)

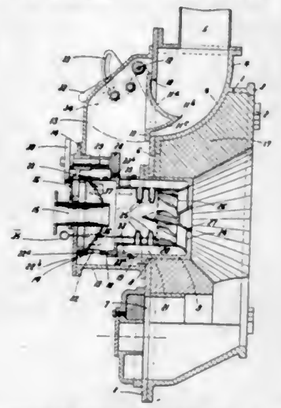


1. In an exercising device spaced parallel rails, a roller seat disengageably riding on said rails, spacing means between said rails close to the ends thereof, a tiltable foot rest connected at the front ends to the inside faces of said rails, and tiltable legs at the rear ends of said rails, said foot rest and said legs having bevelled portions, said spacing means being adapted to be engaged by said beveled portions, thus limiting the tiltable movements of said foot support and said legs.

1,979,784

BURNER FOR THE FIRING OF FURNACES

William Armstrong Woodeson, Gateshead-on-Tyne, England
Application December 13, 1932, Serial No. 647,017
In Great Britain August 22, 1932
10 Claims. (Cl. 110—104)

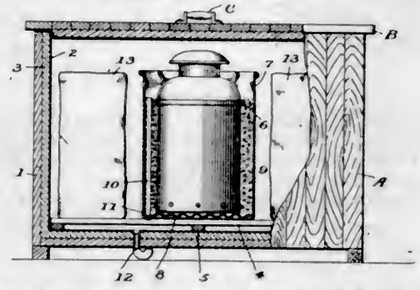


8. In a furnace firing equipment a tubular conduit, a Venturi tube for discharging a mixture of primary air and fuel into said conduit said Venturi tube being of a diameter considerably less than the diameter of the conduit and positioned with its axis coinciding with the longitudinal axis of the conduit, an air chamber surrounding the conduit, a plurality of air nozzles extending into the conduit between the discharge end of the Venturi tube and the discharge end of the conduit and forming a communication between the air chamber and the interior of the conduit, and means for controllably admitting secondary air to the air chamber, the parts operating as and for the purpose described.

1,979,785

MILK COOLER

William J. M. Wroten, Clayton, Del.
Application January 16, 1933, Serial No. 652,053
1 Claim. (Cl. 62—79)

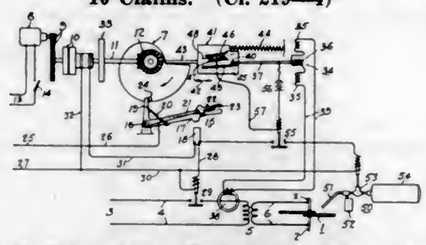


A milk cooler of the character described including an outer receptacle for dry storage of blocks of ice, the ice maintaining the air within the receptacle at a relatively low temperature, a readily removable container positioned within the outer receptacle in close proximity to the blocks of ice, a cooling medium received in the removable container, and a removable can positioned in the removable container and submerged in the cooling medium therein, the cooling medium in the removable container being maintained at a relatively low degree by the air in the outer receptacle.

1,979,786

APPARATUS AND METHOD FOR INDICATING DEFECTIVE WELDS

Orrin E. Andrus, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application September 18, 1933, Serial No. 689,834
10 Claims. (Cl. 219—4)



2. In the making of electric resistance welds such as spot welds, combined means for comparing continuously a function of the input energy at each instant of the welding cycle with the corresponding elapsed time function of a previous representative weld cycle corresponding in welding time relationship, and means to indicate those welds in which said welding energy function substantially deviates from the previous representative values.

1,979,787

WAX POLISH

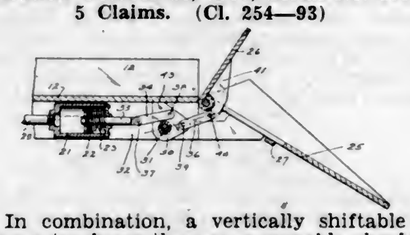
Maurice H. Arveson, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 22, 1931, Serial No. 546,168
11 Claims. (Cl. 134—24)

1. A wax polish comprising a mixture of hard wax and a petrolatum wax incorporated in a light petroleum oil dispersed in a set aqueous emulsion.

1,979,788

CHOCKING DEVICE FOR VEHICLE LIFTS

Rollin L. Bacher, Lakewood, Ohio, assignor to The United States Air Compressor Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1930, Serial No. 488,821
5 Claims. (Cl. 254—93)



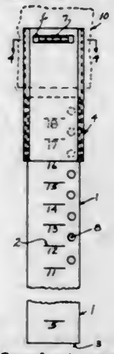
2. In combination, a vertically shiftable lift having a trackway thereon, a movable chock for said trackway, linkage mechanism having an operative connection with said chock and including a pivotally mounted rocking plate, a fluid-operated piston for rotating said plate to move the chock to raised position, and means for holding the plate against further rotation after the chock has reached its raised position without exerting back pressure on said piston.

1,979,789

GARMENT HEM MARKER

Joseph M. Barrett, East Cleveland, Ohio
Application June 22, 1933, Serial No. 677,039
2 Claims. (Cl. 33—2)

2. A device for marking around the bottom of a skirt the position of a hem the lower edge of which is disposed a uniform distance above the floor, comprising an elongated graduated first member adapted to be used in a substantially vertical position with its lowermost end on the floor, a second member adjustable longitudinally relative to the first member, means for retaining the second member in adjusted position on the first member, a projection on said second member, a leaf spring fixed at one end to the second member and having at its other and free end, which is normally spaced from the second member, a slot which receives the said projection when the free end of the leaf spring is depressed toward the second member, whereby a portion of the unhemmed skirt may be forced through said slot for marking purposes.



1,979,790

RAILWAY GRADE CROSSING CONSTRUCTION

Raymond T. Bell, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 19, 1931, Serial No. 509,757
3 Claims. (Cl. 238—8)



1. In a railway grade crossing having rails and ties supporting said rails, crossing elements of less depth than the depth of said rails, sheet metal spacing members for supporting said crossing elements above said ties to maintain the upper surface of said crossing elements substantially flush with the top of said rails, each of said members having an upper web and downwardly extending side walls, the lower edge portions of said side walls being bent inwardly toward each other into a common plane to provide bearing surfaces for supporting the spacing members, the upper web of the spacing members and the inwardly bent lower edge portions thereof being provided with vertically aligned apertures, and spikes passing through said aligned apertures and securing said spacing members to said ties.

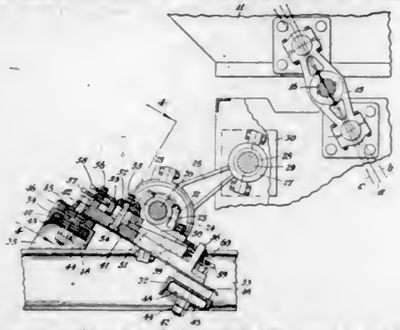
1,979,791

SHAKING SCREEN

Daniel M. Blackburn, Carbondale, Pa., assignor to Hendrick Manufacturing Company, Carbondale, Pa., a corporation of Pennsylvania
Application May 16, 1933, Serial No. 671,313
6 Claims. (Cl. 209—315)

1. In a shaking screen of the character described, the combination with a hanger, means rockably supporting the hanger and a screen supported by the hanger to rock therewith, of a drive shaft having an eccentric, a connecting rod en-

gaging said eccentric and connected to the screen whereby the screen and hanger are rocked as said shaft revolves, and a mounting for the drive shaft including a support, a base plate mounted on the support, bearing members for the drive shaft, adjustable spacing members intermediate the bearing members and base plate, whereby the



bearing members and drive shaft may be adjusted on the base plate toward and away from the rocking axis of the hanger to vary the rocking pitch of the hanger and to vary the swing of the screen accordingly, and means for securing the bearing members, spacing members and base plate tightly together in adjusted position.

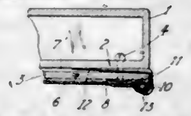
1,979,792

VEHICLE UPHOLSTERY

John Bruckl, Union City, N. J., assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y., a firm composed of John F. Neary, Ramsay Hoguet, and Daniel L. Morris

Application May 1, 1930, Serial No. 448,998

2 Claims. (Cl. 45—138)



2. The combination with an automobile structure comprising a body wall and an upholstered portion secured thereto of a cover section for the upholstered portion having an edge reinforced by a removable stiffening element, a fastening element made of pliable material and adapted to be forced between the adjacent parts of the automobile structure so as to be frictionally engaged thereby but removable therefrom, said fastening element also being adapted to be bent around said reinforcing member and having an integral fastening element adapted to pierce the cover section and the automobile structure and be removable therefrom.

1,979,793

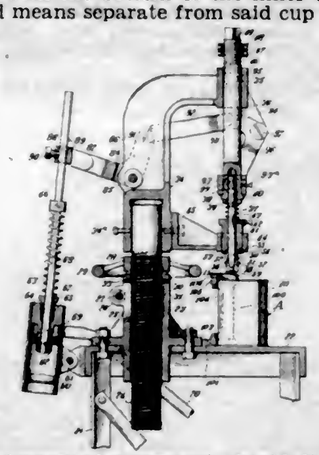
APPARATUS FOR ATTACHING POURING SPOUTS TO CANS

George W. Chalmers, Summit, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware

Application July 13, 1932, Serial No. 622,230

6 Claims. (Cl. 113—18)

1. Apparatus for securing together two interfitting cup-like sheet metal bodies comprising pendant dies provided with groove forming ribs, a plunger for imparting raising and lowering movements to said dies and for spreading them to force the ribs into the metal of the inner of said cup-like bodies, means for providing a lost motion connection between said dies and plunger, means for operating said plunger to lower said dies into contact with the bottom of the inner cup member, and means separate from said cup for limiting the downward movement of said dies, whereby further movement of the plunger imparts spreading movement to the dies.



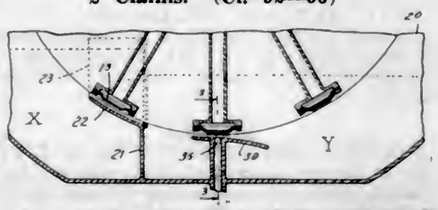
1,979,794

MOLDED PULP ARTICLE

Merle P. Chaplin, Waterville, Maine, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Maine, a corporation of Maine

Original application March 14, 1928, Serial No. 261,438. Divided and this application August 4, 1931, Serial No. 554,972

2 Claims. (Cl. 92—56)



1. A molded article formed from pulp fiber and having interlaced fibers and having finely divided, comminuted filler material filling the interstices between the fibers in the intermediate portion of the article, the said filler material not interfering with the interlacing of the fibers on opposite sides of the zone of filler material.

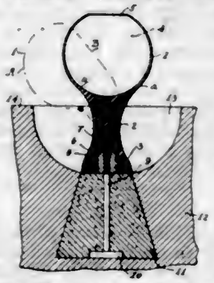
1,979,795

GOLF PRACTICE BALL

Luther I. Clark, Hewlett, N. Y.

Application July 27, 1932, Serial No. 624,951

7 Claims. (Cl. 273—35)



1. A golf practice apparatus comprising in combination a base having in its top surface a recess, a ball including a resilient shell and having a top provided with a breather opening of sufficient size to permit substantially unrestricted passage of the air upon collapse of the ball, a stem integral with said shell and disposed therebelow, said shell being above the level of said surface, and means attaching the lower end of said stem to said base at the bottom of said recess, so that as said shell is struck one side thereof may returnably bend over the top of said stem, the opposite side of said shell being returnably bendable over said surface.

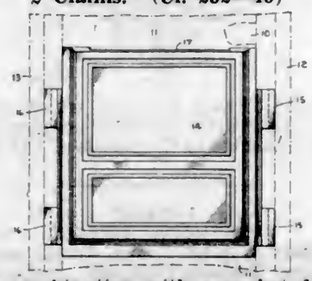
1,979,796

MAIL CHUTE

Charles Dobbin, Brooklyn, N. Y.

Application June 9, 1932, Serial No. 616,279

2 Claims. (Cl. 232—45)



1. The combination with a pocket for a mail chute having a mail receiving aperture therein, of a closure element for the aperture within said pocket, an arm, cooperating with the closure element, having two separate curved slots therein, means for movably mounting the arm to the side of the pocket through the slotted portions thereof, said arm being movable in a line of curvilinear translation to accomplish the setting of the closure element in the desired position.

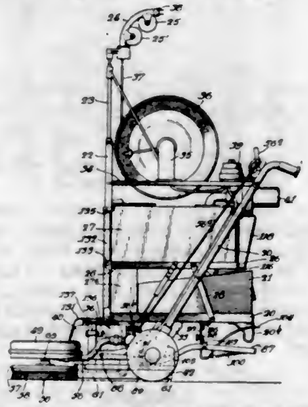
1,979,797

FLOOR MACHINE

Walter S. Finnell, Elkhart, Ind.

Application December 5, 1930, Serial No. 500,254

27 Claims. (Cl. 15—50)



1. In a machine of the character described, a frame including a pair of front, laterally-spaced upright pieces, a scrubbing means supported beneath said frame, and having a part projecting forwardly beyond said frame, means detachably securing said scrubbing means to said frame, and cover means including a cover member spanning said upright pieces and spring snaps carried by said member at its opposite sides adapted to snap-engage the respective said upright pieces, said member having a foot-portion extending forwardly and adapted to conceal a portion of said projecting part of said scrubbing means.

6. In a combined scrubbing and mopping machine, a frame member, and a mop unit adapted to be cut-in or cut-out at will, said mop unit including a support pivotally associated at one end with said frame member, a spring supporting the other end of said support, a squeegee pivotally carried by said support, and latch means releasably engageable with said support by downward movement of said support for holding said squeegee in floor-engaging position against the pressure of said spring.

19. In a machine of the character described, drive mechanism including a depending drive shaft, a brush support having a central pocket with a slot in its bottom, and means for releasably interconnecting said drive shaft and brush support comprising a connector element having a depending tongue of less dimension than said slot adapted to pass through said slot, said tongue having a recess in its end, the entrance to said recess being taper-walled, and of reduced width dimension, a spring member carried by said brush support and having a pair of arms extending laterally across the underside of said slot in close proximity thereto, the normal spacing of said arms being such that as said tongue is passed through said slot said spring arms are engaged by the entrance wall of said tongue recess and pressed together and caused to enter said recess and to be confined therein by their normal tendency to spring apart.

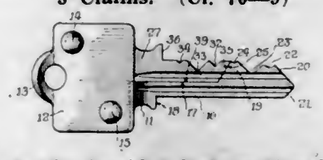
1,979,798

SECTIONAL KEY

Raymond B. Glidden, Kewanee, Ill., assignor to Kewanee Safe Company, Kewanee, Ill., a corporation of Illinois

Application September 18, 1933, Serial No. 689,814

3 Claims. (Cl. 70—9)



2. In a pin tumbler lock sectional key, the combination of a first key-member having a handle, a shank extended from said handle and a key-section at the opposite end of said shank, and a second key-member having a handle and a key-section extended therefrom, said key-members being adapted to be assembled to form a complete key with the key-section of said second key-member in the plane of the shank of said first key-member and with said two key-sections solely in longitudinal alignment, both of said key-sections having recess means solely on one and the same edge to cooperate with the single row of aligned pins of the lock, the outer end of the key-section of said first key-member being bevelled to progressively raise the pins of the lock during insertion of the complete key in the lock, and cooperating means to assure the proper assembly association of the key-members and key-sections.

1,979,799

CONVEYER MECHANISM

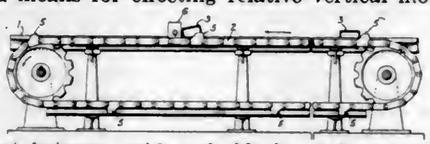
Warren F. Heineman, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application December 18, 1933, Serial No. 702,840

5 Claims. (Cl. 198—19)

3. In combination, two parallel rails for supporting articles for movement therealong, a plu-

rality of stops extending upwardly from said rails and adjustably mounted thereon at predetermined locations, an endless conveyer having a plurality of spaced upwardly extending push blocks for pushing articles along said rails, and means for effecting relative vertical move-



ment between said push blocks and an article when the latter engages a stop to allow said push blocks to pass beneath the article and continue their movement unobstructed while the article is stopped at the location determined by the stop.

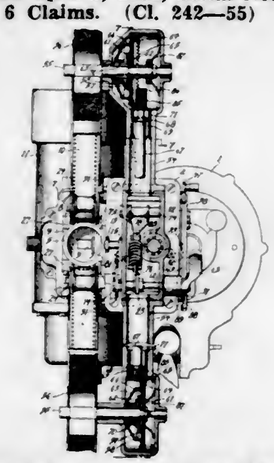
1,979,800

MOTION PICTURE PROJECTING MACHINE

Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application April 2, 1931, Serial No. 527,099

6 Claims. (Cl. 242—55)



1. In a motion picture machine the combination with two film reel elements, of two crown gears for driving said reel elements and disposed coaxially therewith, a third crown gear for driving one of said reel elements and disposed coaxially therewith and facing the corresponding gear of said two gears and having a diameter smaller than said corresponding gear, and additional gear means driven from the mechanism of the machine and axially shiftable to alternately engage said third gear and said two gears and including a pinion alternately engageable in its shifting movement with said third gear and said corresponding gear.

1,979,801

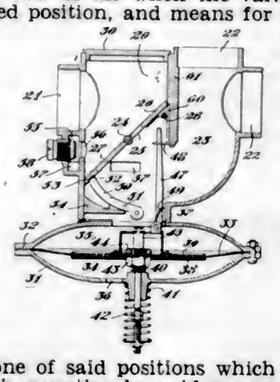
PNEUMATIC DISPATCH SYSTEM

Chester S. Jennings, Syracuse, N. Y., and Fred R. Taisey, Lowell, Mass., assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application June 8, 1932, Serial No. 616,034

17 Claims. (Cl. 243—12)

1. In a pneumatic dispatch system, a power control of the minimum flow type comprising a housing, a closed pneumatic connected on one side to the interior of the housing, an air valve in the housing which in one position prevents and in the other position permits a carrier impelling flow of air, a by-pass which provides a minimum flow of air when the valve is in the first named position, and means for locking the



valve in one of said positions which means are rendered inoperative by said pneumatic in response to a change in the status of the air in the system.

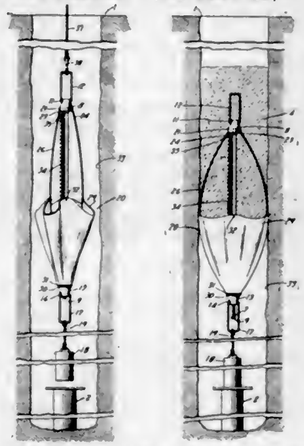
1,979,802

PLUGGING DEVICE

Myron Macy Kinley, Tulsa, Okla., assignor to Zero Hour Torpedo Company, Casper, Wyo., a corporation of Wyoming

Application May 15, 1933, Serial No. 671,111

14 Claims. (Cl. 102—11)



1. In a device of the character described, a rod, spaced head and collar members on the rod, flexible bows connecting the head and collar members, a flexible pocket fixed to one of said members and to said bows, and a spring connected with the head and collar members for yieldingly expanding the bows to effect expansion of the pocket.

1,979,803

STRAIGHT LIFT PUMPING UNIT

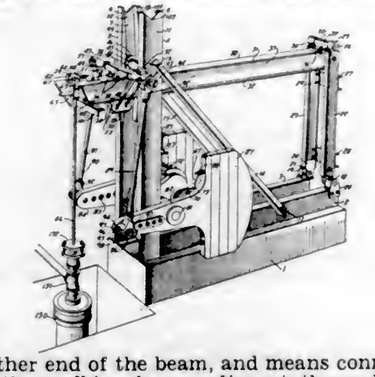
Charles M. Livingston, Tulsa, Okla., assignor to Albert N. Porter, Tulsa, Okla.

Application June 5, 1933, Serial No. 674,312

10 Claims. (Cl. 74—103)

1. In a pumping apparatus, a support, a leg member pivoted to one end of the support, a walking beam, means pivotally connecting one end of the walking beam to the leg member, a guide member fixed to the other end of the support for guiding the opposite end of the walking beam, a cam track on the guide member, guide

means carried by the walking beam and engaging the track to retain the front end of the beam for movement in a perpendicular plane during operation of the beam, a rod support on



the other end of the beam, and means connected with the walking beam adjacent the rod support and independent of said guide means for actuating the walking beam.

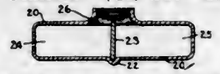
1,979,804

MULTIPLE PASSAGE WIRING DUCT

George A. Lutz, Cranford, N. J., assignor to National Electric Products Corporation, New York, N. Y., a corporation of Delaware

Application February 16, 1932, Serial No. 593,256

8 Claims. (Cl. 247—32)



1. A duct which comprises a tubular member divided by common partition means into two or more passages in each of which passages electrical wiring may be installed and upstanding outlets upon and integral with a wall of said tubular member, each outlet being located upon said wall to provide access to more than one passage in said duct.

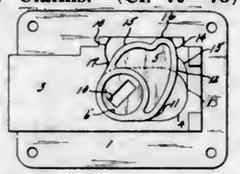
1,979,805

LOCK MECHANISM

Andrew Main, Cleveland, Ohio, assignor, by mesne assignments, to Cleveland Fare Box and Four-Way Lock Co., Cleveland, Ohio, a corporation of Ohio

Application July 6, 1931, Serial No. 548,733

7 Claims. (Cl. 70—78)



2. Lock mechanism comprising, a lock bolt, a roll back rotatable about a center, said lock bolt having an opening in which the roll back operates, said opening having two cam surfaces on each of its end edges, one cam surface on each end edge being substantially aligned with the roll back center and the other cam surface on each end being offset from said center, and said roll back having cam surfaces arranged to coact alternatively with the cam surfaces on either edge of the bolt opening for producing bolt movement, the roll back coacting successively with the aligned and offset cam surfaces, and two of the cam surfaces on said roll back being offset relative to each other from the center of movement of said roll back and arranged to be disposed substantially in a line parallel to the line of bolt movement and in coacting relation with the offset surface of one edge and the aligned surface of the other edge when the bolt is in full locked position.

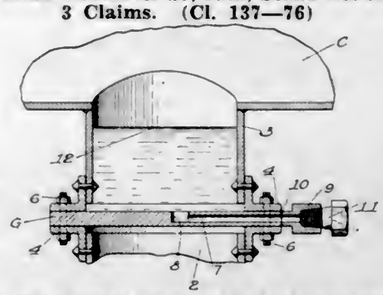
1,979,806

BLIND GASKET

Wallace B. Mathews, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1932, Serial No. 649,415

3 Claims. (Cl. 137—76)



1. A blind gasket adapted to be interposed between flanged pipe sections comprising a flat circular body formed with a passageway extending inwardly from its side wall and terminating at its inner end in a laterally extending portion communicating with one of the faces of said gasket.

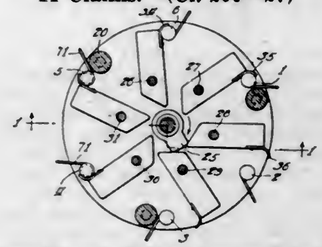
1,979,807

SIGN FLASHER

Thomas J. Mudon, Chicago, Ill., assignor, by direct and mesne assignments, to Circo Products Corporation, Chicago, Ill., a corporation of Illinois

Application August 8, 1932, Serial No. 627,899

11 Claims. (Cl. 200—27)



1. A circuit control device comprising a pair of spaced insulating supports having arranged thereon opposed contacts in pairs, bridging members for said pairs of contacts, yielding means urging said bridging members into circuit closing position, and a drive member having means thereon for successively moving the bridging members away from their contacts, said means and bridging members cooperating to move a new bridging member away from its contacts before closing the one just previously moved.

1,979,808

WINDOW ATTACHMENT

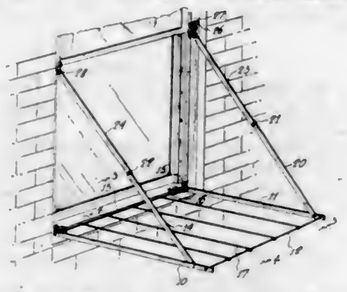
Ernst Mussbach, New York, N. Y.

Application March 15, 1934, Serial No. 715,640

1 Claim. (Cl. 20—71)

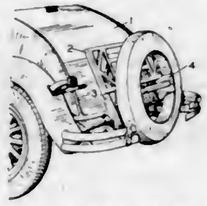
In a window attachment adapted to fold into horizontal and vertical positions, a platform supported by raised slotted brackets fixed to the

ends of the window sill, said platform consisting of a pair of side bars, frame rods rigidly connecting the front and rear ends of said side bars, a plurality of spaced grille rods having eyes at their ends freely engaging over said front and rear frame rods, said rear frame rod being pivotally mounted in the slots of said brackets, a



second pair of brackets fixed on the window frame directly above the first named brackets, hingedly connected, foldable guy rod elements pivotally attached at their respective outer ends to the second named brackets and outer ends of said side bars, and means in said second named brackets to receive and support said front frame rod when raised and entered therein.

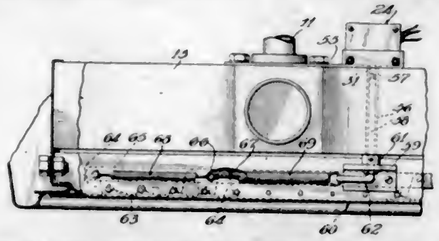
1,979,809
LUGGAGE RACK AND TIRE CARRIER
Ray Frederick Newton, Corvallis, Oreg.
Application October 20, 1931, Serial No. 570,021
8 Claims. (Cl. 224—29)



1. In a foldable luggage rack and tire carrier, the combination of a rack, a tire carrier, pivot means for connecting directly said carrier to said rack, means for supporting said rack and tire carrier, a link pivotally connected midway across said rack and to said supporting means and means connecting said link and said tire carrier to hold said tire carrier substantially in a vertical plane when said rack and said carrier are in their extended positions, and to swing said rack upwardly about said pivot means on said tire carrier and to move said tire carrier to an acute angle with the vertical when said luggage rack and tire carrier are in their folded positions.

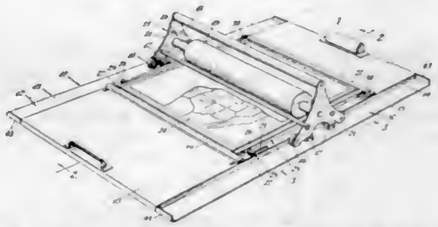
1,979,810
RADIATOR SHUTTER
Edgar G. Petersen, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a corporation of Delaware
Application May 23, 1931, Serial No. 539,556
7 Claims. (Cl. 236—35)

1. In an engine cooling system, in combination, a radiator, a shutter for the radiator, an electric motor, an irreversible train of gearing through which the motor is adapted to actuate the shutter in one direction, means independent of the motor for operating the shutter in the opposite direction, and a thermostatic switch subject to the temperature of the cooling liquid adapted to control the motor, said irreversible train of gearing preventing said independent



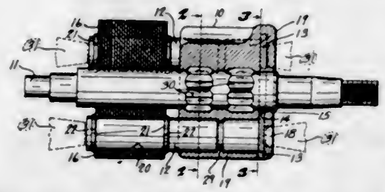
means from operating the shutters except when the motor is operating in the appropriate direction.

1,979,811
DUPLICATING DEVICE
Harvey J. Reardon, Chicago, Ill.
Application August 26, 1933, Serial No. 686,893
11 Claims. (Cl. 101—133)



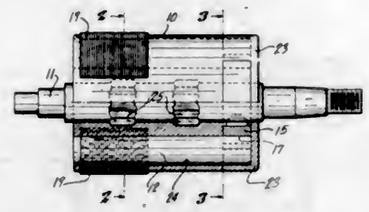
1. In a duplicating device, the combination of: a bed; spaced work-locating bars on the bed each having recesses formed therein; and a frame for supporting a duplicating sheet on the bed during the duplicating operation; said frame including a base adapted to be mounted on the bed between said bars and having portions projecting therefrom receivable in said recesses to hold the frame on the bed and against movement relative thereto.

1,979,812
MAGNETO ELECTRIC MACHINE
Curt F. Reis, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 27, 1933, Serial No. 695,384
5 Claims. (Cl. 171—252)



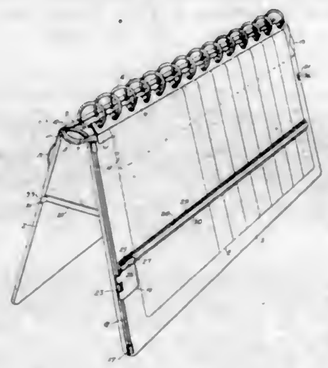
3. A rotor for a magneto of the rotating field type, including a plurality of parallel bar magnets, a member magnetically bridging said magnets, and a body of cast non-magnetic metal embracing said magnets and member, said magnets having grooved portions coacting with the body of cast metal to maintain said magnets and member in compressive engagement, whereby to effect a positive magnetic engagement between the magnets and bridging member.

1,979,813
ROTOR FOR MAGNETOS
Curt F. Reis, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 27, 1933, Serial No. 695,386
9 Claims. (Cl. 171—209)



9. In a rotor for an electric machine, of a type embodying a mass of cast metal poured about the rotor shaft, a plurality of metal-receiving seats, formed by the shaft, said seats being of a form to engage the poured metal in mortising relation.

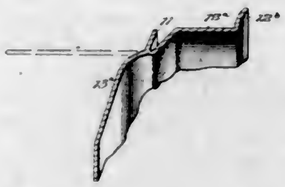
1,979,814
COMBINED LOOSE LEAF BINDER AND READING STAND
Paul O. Unger, Glen Ellyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application January 3, 1933, Serial No. 649,900
13 Claims. (Cl. 129—1)



13. Means to support a plurality of sheets in overlapped relationship including a plurality of sheet retaining rings, said rings being secured to suitable supporting means, and means reversible on said rings to align the sheets on either side of said rings.

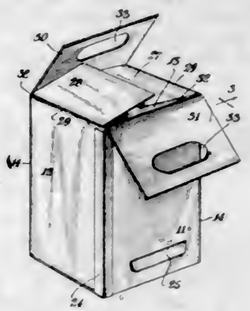
1,979,815
METHOD OF MAKING VEHICLE WHEELS
James H. Wagenhorst, Detroit, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 4, 1931, Serial No. 520,140
8 Claims. (Cl. 29—159.01)

8. The method of making a vehicle wheel having an integral tire supporting rim, which comprises shaping a metal sheet having a rib into the form of a cylinder having an annular rib, pressing the material occupying different zones adjacent one end of the cylinder radially outwardly to form with the rib an annular gutter, to form an annular rim base, and to form an



annular tire retaining flange, and bending the remaining portion connecting into the annular gutter inwardly to form the rim supporting portion of the wheel.

1,979,816
CONTAINER
Oliver B. Andrews, Chattanooga, Tenn.
Application November 17, 1931, Serial No. 575,536
3 Claims. (Cl. 229—52)

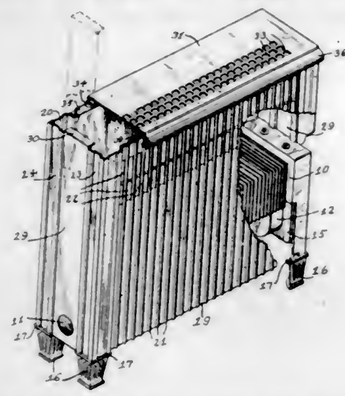


1. A collapsible marketing container of the character described including, a plurality of side walls, bottom flaps hinged to one end of said side walls, one of said bottom flaps covering the entire bottom of the container, a tab portion hinged along one side of said bottom covering flap inserted into the container body, a tongue stamped out from said tab portion and extending through a slit cut in one of said side walls, said slit being of such size and shape that the surrounding parts of the container will frictionally grip said tab to firmly lock the said bottom covering flap in bottom closing position, means for closing the top of the container, and a pair of top flap portions each flap being hinged to an opposite side wall, said flap portions having openings therein forming a hand grip by means of which the container may be carried.

1,979,817
RADIATOR CABINET
Gustav Hilding Anderson, New Britain, Conn., assignor to The Hart & Hutchinson Company, New Britain, Conn., a corporation of Connecticut
Application October 27, 1930, Serial No. 491,623
4 Claims. (Cl. 237—79)

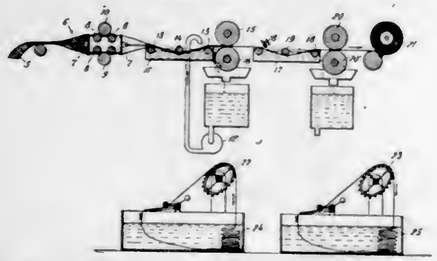
1. In a radiator cabinet, a pair of flanged front and rear walls, a pair of slidable end sections, said end sections having means to inter-

lock with the flanges of said front and rear walls, and a cover member hinged to said rear



wall, said end sections having inwardly bent top edges.

1,979,818
METHOD OF DYEING
Harry L. Baker, New York, N. Y., assignor to Samcoe Holding Corporation, New York, N. Y., a corporation of New York
Application June 9, 1931, Serial No. 543,115
12 Claims. (Cl. 8—5)

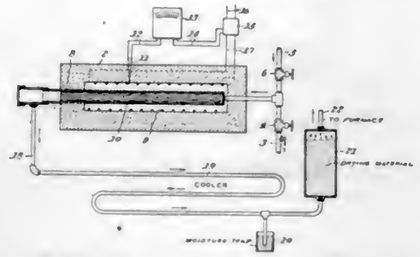


1. The method of dyeing tubular textile fabrics containing inclusions of oil and/or extraneous removable matter and in flat distended position, which comprises uniformly applying the dye in a liquid medium directly to the upper, lower and edge portions of the flattened tube of unscoured fabric.

1,979,819
PROCESS OF MAKING FELT, PAPER, AND THE LIKE
Bernard C. Beckman, Naperville, and William T. Hofmann, Chicago, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Application November 4, 1927, Serial No. 231,031
8 Claims. (Cl. 92—42)

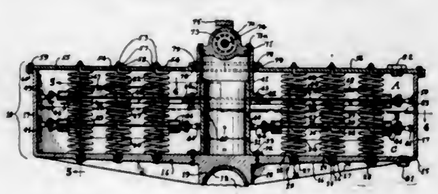
1. A process of fabricating a web of fibrous or felt material having thick edges and tapering toward the center line of said web, for forming composition shingles, which consists in preparing a mixture of water and finely divided fibrous material, causing said material to be deposited by suction on a foraminous carrier in the form of a web and progressively blocking deposition on the carrier from the center of the web outward to provide uniform tapering from the edges toward the center line of the web.

1,979,820
HEAT TREATMENT
Wilbur S. Bowling, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application June 2, 1932, Serial No. 614,912
3 Claims. (Cl. 148—16)



1. The method of heat treating, comprising forming a mixture consisting essentially of hydrocarbon-containing gas and air in predetermined proportions, reacting the mixture in a reaction chamber heated by external means to produce a gaseous product containing a predominant proportion of nitrogen and smaller amounts of hydrogen, methane, and carbon monoxide, and using the gaseous product in a heat treating chamber as an enveloping atmosphere for the material being heat treated.

1,979,821
SPRING SUSPENSION FOR MOTOR VEHICLES
George D. Bradstreet, Thomaston, Conn.
Application September 8, 1933, Serial No. 688,615
14 Claims. (Cl. 267—60)

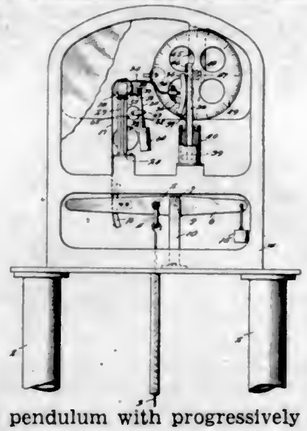


1. In a spring suspension apparatus for a vehicle, a hollow casing supported upon an axle, a plurality of sets of superimposed interconnected springs arranged in tiers in axial alinement with each other in said casing, the end coils of the superimposed spring units being attached to the top and bottom of said casing, floating plates interposed between adjacent tiers of springs, and anti-friction roller means for guiding said plates in vertical reciprocating motions.

1,979,822
FORCE MEASURING MACHINE
Hugh M. Cameron, Woodhaven, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York
Application June 20, 1930, Serial No. 462,682
7 Claims. (Cl. 265—62)

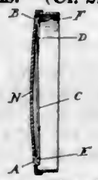
1. A force measuring machine comprising an indicator, a force resisting system connected thereto comprising a suspended primary pendulum, a secondary pendulum suspended in position to be moved by the primary pendulum and means intermediate the ends of one pendulum contacting with and traveling along the other

pendulum, whereby as the load is applied the secondary pendulum opposes movement of the



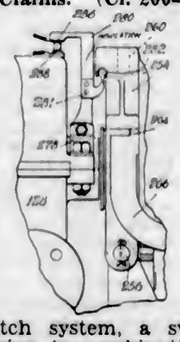
primary pendulum with progressively increasing force.

1,979,823
VALVE ATTACHMENT FOR LIQUID CONTAINERS
Herbert E. Clark, Oakland, Calif.
Application February 1, 1932, Serial No. 590,162
Renewed April 6, 1934
2 Claims. (Cl. 220—24)



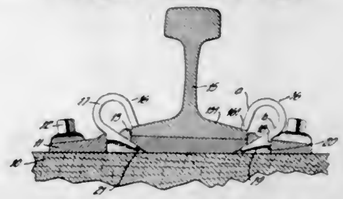
1. The combination with a liquid container, of a convex container top having pouring and vent holes therein, spring valve flaps fixed to the inside of said top and adapted to close the holes while said top is in a convex position and to open the holes by pressure upon the convex surface.

1,979,824
SWITCH
Christen Christensen and Alwin G. Steinmayer, Chicago, Ill., assignors to Electrical Engineers Equipment Co., Chicago, Ill., a corporation of Illinois
Application January 27, 1923, Serial No. 615,214
15 Claims. (Cl. 200—92)



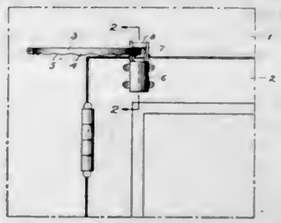
1. In a switch system, a switch operating means comprising in combination, a motor, a transmission including in series, irreversible transmission elements permitting said motor to move said switch but not vice versa, a releasable connection, and a positive transmission to the switch proper, manual means for disconnecting the releasable connection and manually operating a portion of the switch operating means to actuate the switch, and means for automatically establishing said releasable connection at the end of the manual movement.

1,979,825
RAILWAY TRACK STRUCTURE
William Dalton, Schenectady, N. Y.
Application December 5, 1932, Serial No. 645,657
7 Claims. (Cl. 238—349)



1. In combination, a metallic supporting structure provided with an opening and with a recess on the under side of said structure adjacent the inner wall of said opening, a track rail mounted on said supporting structure, and a track fastener comprising a piece of spring metal bent to form a loop, one end of said fastener being received within said recess and an adjacent portion of said end being provided on its lower side with a shoulder engaging the outer portion of the wall surrounding said opening, another portion of said fastener engaging a flange of said rail in a position to exert a downward pressure thereon.

1,979,826
DOORCHECK
Charles Fernandez, San Francisco, Calif.
Application December 27, 1932, Serial No. 648,868
1 Claim. (Cl. 292—75)



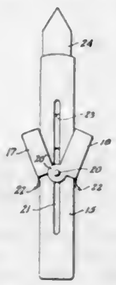
In a door check, the combination, with a curved guide having a wavy under edge arranged to be fixedly mounted on the casing of a door concentrically with the hinge line of the door; of a cylinder arranged to be connected to the door, said cylinder having arms extended upwardly from an end thereof on opposite sides of the curved track, each of said arms having a vertically disposed guide slot therein adjacent the wavy under edge of the track; a roller journaled between the upper ends of said arms and engaging the upper edge of said guide; a plunger slidably confined in said cylinder; a roller journaled on the upper end of said plunger and engaging the wavy under edge of the guide; pins on opposite sides of the plunger in alignment with the axis of the roller engaging the opposite guide slots on the cylinder arms to prevent turning movement of the piston relative to the cylinder; and an expansion spring in the cylinder to urge the plunger with the roller thereon into engagement with the guide.

1,979,827
METHOD AND APPARATUS FOR MANUFACTURING CONTAINERS
George O. Frostad, Cudahy, Wis., assignor to National Paper Can Company, Cudahy, Wis., a corporation of Wisconsin
Original application July 25, 1929, Serial No. 380,986. Divided and this application January 15, 1932, Serial No. 586,839½
22 Claims. (Cl. 93—55)



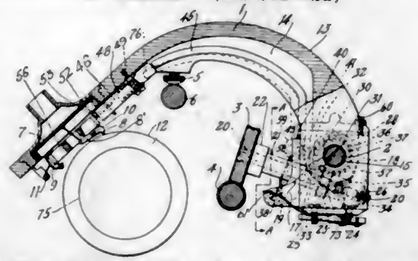
9. A method of forming a closure for a container formed entirely of an elastic fibrous material adapted to contain a liquid comprising bringing opposite walls of the elastic fibrous material of the container together and turning and re-turning such walls upon themselves to form a liquid-tight seal capable of sustaining itself despite wetting of the container walls by the contents thereof.

1,979,828
HOLDER FOR COSMETICS AND THE LIKE
Giles C. Fullmer, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application June 8, 1931, Serial No. 542,858
14 Claims. (Cl. 206—56)



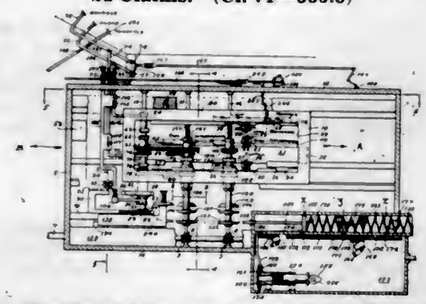
1. In a holder of the class described, an open ended receptacle, a cover for said end of the receptacle, said cover comprising a pair of sections, means pivotally connecting said sections whereby they may be rocked in a direction away from each other to expose the open end of the receptacle and toward each other to close the open end of the receptacle, said receptacle having a slot in a wall thereof, said pivoting means for the sections extending through the slot in the wall of the receptacle whereby said sections are mounted for movement longitudinally of the body when said sections are in their open positions.

1,979,829
PHONOGRAPH
Heinrich F. Max Gramann, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 2, 1929, Serial No. 375,367
17 Claims. (Cl. 274—21)



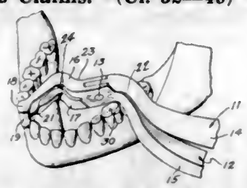
3. In a device of the class described, the combination of a movable arm carrying a sound box and a stylus which is movably mounted in respect to said sound box, means for moving said arm, sound box and stylus in one direction, said means comprising a rotatable feed nut, independent means adapted to coact with said feed nut whereby the latter will be actuated to move said arm, sound box and stylus in a reverse direction, and means adapted to coact with said independent means to move said stylus to and maintain the same substantially in centralized position in respect to said sound box upon said reverse movement.

1,979,830
AUTOMATIC GEAR CHANGING MECHANISM
Joseph Grisenti, San Francisco, Calif.
Application January 17, 1934, Serial No. 706,961
21 Claims. (Cl. 74—336.5)



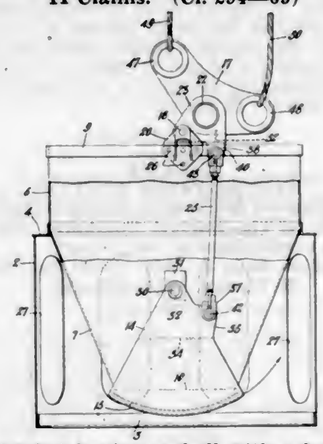
1. In combination, an automotive vehicle having a selective speed gear transmission therein and means on said transmission to shift selected gears thereof; and means to automatically actuate the gear shifting means in accordance with the speed of the vehicle, comprising, a driving shaft; a plurality of driven shafts operated by said driving shaft and arranged in a single row, each of said shafts having a gear engaging means slidably splined thereon; a slide block and bar movably mounted on opposite sides of the row of driven shafts; a gear rack on each of the facing sides of said slide block and bar; a reciprocatable carriage engageable with successive cams on the driven shafts to engage a gear on each of the same with a selected gear rack to move the slide block and bar progressively forward or rearward; and coengaging parts on the slide block and bar to actuate the gear shifting means to effect the engagement and disengagement of the transmission gears thru movement of the slide block and bar.

1,979,831
CROWN SLITTER
Jacob S. Hagobian, Bridgeport, Conn.
Application December 15, 1933, Serial No. 702,510
3 Claims. (Cl. 32—45)



1. In a crown slitter, a pair of members crossed intermediate their ends to provide handle portions and jaw portions, a pivot connecting said members where they cross, one of said jaw portions comprising a bearing jaw to rest on a crown, a knife on the other jaw portion to slit the crown, said members curved laterally in the same direction with the curve beginning at the handle side of the pivot, said members having their jaw portions beginning substantially at the pivot curved laterally in the opposite direction as said first curve, and said jaw portions having their free end portions extending at an angle to their portions adjacent the pivot and opposite to the second curve whereby said slitter may be used to slit a crown in its distal portion.

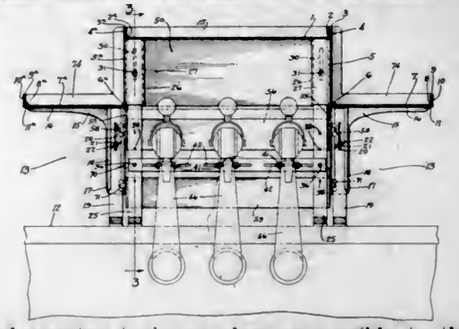
1,979,832
BUCKET STRUCTURE
Edward Le Roy Harrington, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 17, 1932, Serial No. 647,756
11 Claims. (Cl. 294—69)



1. A bucket having a shell with a bottom discharge opening, a bail member pivoted to such shell, two points for attachment of hoisting lines to said bail, so positioned that when the load is transferred from one line to the other the bail will turn on its pivots, a gate pivoted to the shell for closing the bottom opening, and an operating connection between said gate and said bail which will open or close the gate when load is transferred from one hoisting line to another.

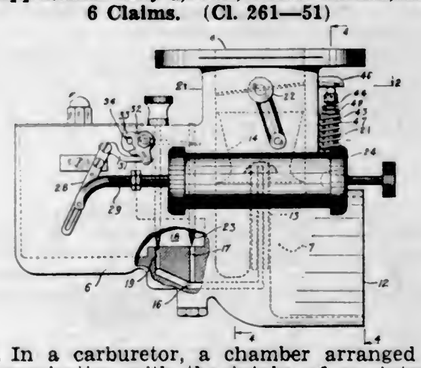
1,979,833
MERCHANDISE DISPLAY DEVICE
Herbert B. Hyams, St. Paul, Minn.
Application January 11, 1932, Serial No. 585,883
7 Claims. (Cl. 211—1)

1. A goods display structure adapted to be placed on a soda water fountain counter between the draft arms and the customers' side of the counter, comprising a shelf and four legs supporting the same, said legs being closely spaced in a direction transverse to the structure



and counter to be as close as possible to the arms, the said shelf extending a substantial distance beyond the legs to overlie the draft arms and thus increase the transverse shelf area.

1,979,834
CARBURETOR
Louis W. Jenks, Berkeley, Calif., assignor of one-half to Edmund Bow, Berkeley, Calif.
Application May 4, 1931, Serial No. 534,738
6 Claims. (Cl. 261—51)

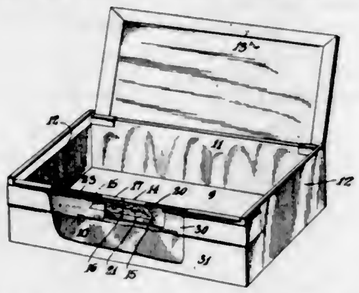


1. In a carburetor, a chamber arranged for communication with the intake of an internal combustion engine and having a fuel nozzle and air passage opening into the chamber, a throttle valve for controlling the discharge of mixture from said chamber to said intake, a metering valve for controlling the flow of fuel through said nozzle, a vacuum chamber communicating with said intake between said throttle valve and the engine cylinder, a spring normally moving said metering valve to open position, a piston in said vacuum chamber operating as the vacuum increases therein to move said valve to closed position against the action of said spring, a pilot valve for controlling communication of the vacuum chamber with the engine intake, means for closing said pilot valve to incapacitate the operation of said piston, and means for relieving suction in said vacuum chamber when the pilot valve is closed.

1,979,835
BOX
Gideon R. Kreider, Jr., Lebanon, Pa., assignor to Box Blank Corporation, New York, N. Y., a corporation of Delaware
Application August 23, 1932, Serial No. 630,032
4 Claims. (Cl. 229—45)

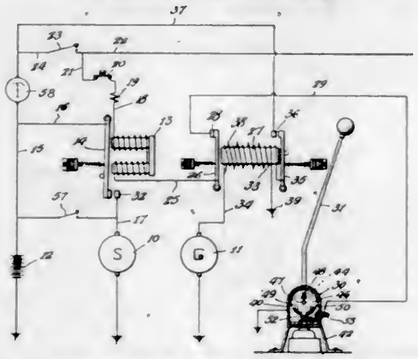
1. A box having paperboard side walls and a cover therefor, and means on one of said side

walls to which said cover may be secured, said means including a wood insert piece fitted within a notch provided in the upper edge of said side wall, the paperboard wall portion surrounding



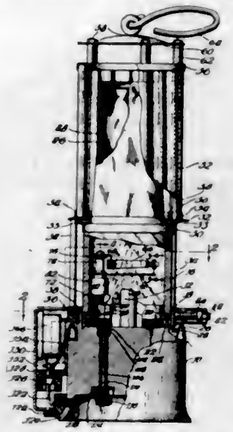
said notch having parts adapted to interlock with said insert piece so as to prevent inward and upward removal thereof, said parts comprising mitered portions and an upstanding lip portion.

1,979,836
AUTOMATIC STARTER
Benjamin H. Kryzer, Pine City, Minn.
Application March 14, 1932, Serial No. 598,805
4 Claims. (Cl. 290—37)



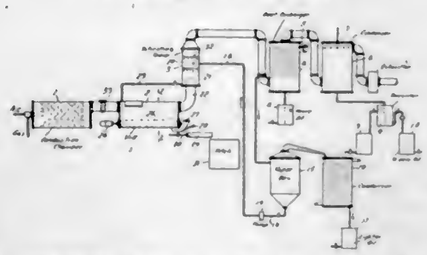
1. An automatic starter for internal combustion engines comprising a starting motor adapted to be operatively connected with an engine shaft, a generator adapted to be driven from the engine, an electric battery, a battery magnet arranged in circuit with said battery, a movable armature within the field of said magnet in circuit with said battery and said motor and forming a make and break switch yieldably held open, a generator magnet, a movable armature within the magnetic field of said generator magnet in circuit with the battery and the battery magnet and yieldably held closed, a distributor circuit, an ignition switch adapted to simultaneously close the distributor circuit and the circuit to the battery magnet, a second armature in the field of the generator magnet mechanically independent from the first armature and in circuit with the generator and with the battery and forming a make and break switch yieldably held open and connected between the battery and generator, a series winding on the generator magnet connected to the generator and the second armature, and a shunt coil of small wire wound with the series winding of the generator magnet and grounded and performing the dual function of initially energizing the generator magnet and deenergizing said magnet to prevent back feed through said armature from the battery.

1,979,837
SAFETY LAMP
Henry W. Lueck, Charles H. Davis, and Uriah Davis, Park Ridge, Ill.
Application December 10, 1932, Serial No. 646,576
10 Claims. (Cl. 177—311)



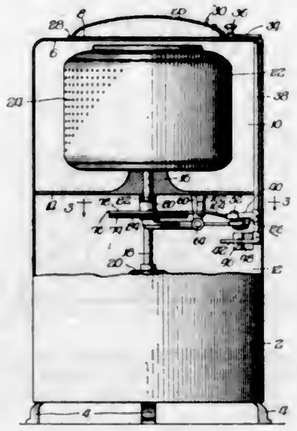
1. In a safety lamp, the combination of flame producing means, a thermostat located above and spaced from the flame produced by said flame producing means, said thermostat comprising a bimetallic thermostatic element having a contact point at its free end, a second contact point movable relative to said first contact point, friction means for retarding movement of said second contact point, and interconnecting means to cause said second contact point to move with said first contact point as the latter moves in a direction away from the second contact point; an audible electrical signal, a source of electrical energy, and a circuit connecting said signal, said contact points and said source in series.

1,979,838
DISTILLATION OF TAR
Gregory Edward McCloskey, South Orange, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application June 3, 1930, Serial No. 459,025
20 Claims. (Cl. 202—30)



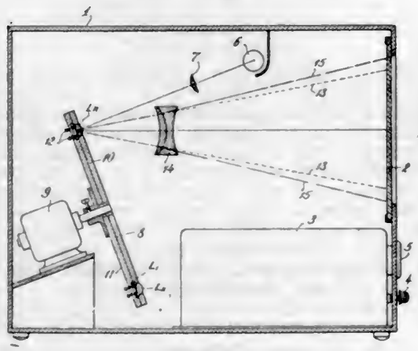
1. The method of distilling tar and producing distillate oils and pitch therefrom, which comprises bringing tar into direct contact with combustion gases at a temperature above that at which coking of tar or pitch normally occurs in the form of a spray of such intensity that the tar is rapidly distilled to pitch and the gases are almost instantly cooled to a temperature below that at which objectionable coking of the tar or pitch takes place and withdrawing the resulting gases and oil vapors and cooling them to condense oils therefrom.

1,979,839
SAFETY DEVICE
Charles E. Morgenstern, Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application August 24, 1932, Serial No. 630,210
5 Claims. (Cl. 192—136)



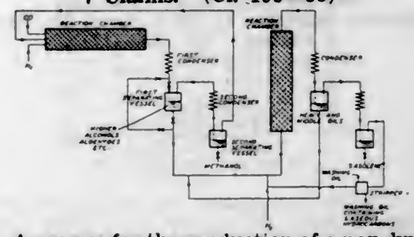
1. In an extractor or the like, the combination of a receptacle, power means for moving said receptacle, said means including a switch, brake means for said receptacle, and means for controlling said brake means and switch, said means including a movable lever having a cam surface, means movable over said cam surface operable in one position to operate said switch and permit movement of said lever to release said brake means and in another position to disengage said switch and move said lever to apply said brake.

1,979,840
TELEVISION APPARATUS
William Hoyt Peck, Scarsdale, N. Y.
Application March 28, 1932, Serial No. 601,495
21 Claims. (Cl. 178—6)



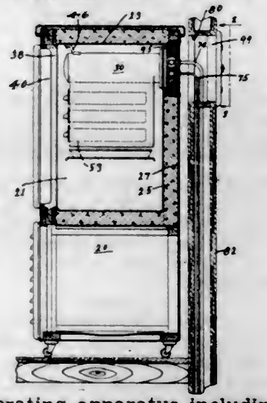
1. Television apparatus comprising a movable scanning member having a plurality of light reflecting convex lens elements arranged thereon in graduated relation to variably reflect and focus a beam from a common light source in successively displaced parallel paths during scanning movement of said member.

1,979,841
NONKNOCKING MOTOR FUEL
Mathias Pier, Heidelberg, and Friedrich Ringer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application October 3, 1929, Serial No. 397,145
In Germany October 20, 1928
7 Claims. (Cl. 196—53)



1. A process for the production of a non-knocking motor fuel which comprises catalytically reducing compounds selected from the group consisting of aldehydes and alcohols having side chains and containing more than three carbon atoms in their molecules, which upon reduction furnish hydrocarbons having branched chains and boiling within the benzine range, with an excess of hydrogen sufficient to convert said compounds into saturated hydrocarbons under a temperature of from about 350° C. to about 500° C. and a pressure suitable for destructive hydrogenation in the presence of a hydrogenating catalyst immune to sulphur poisoning for such a time that substantially all the parent material is converted into hydrocarbons similar to benzines and for the most part paraffinic in nature.

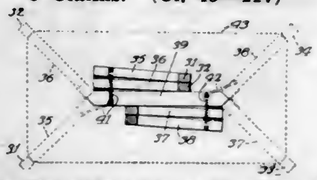
1,979,842
REFRIGERATING APPARATUS
Mason M. Roberts, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application April 16, 1930, Serial No. 444,671
4 Claims. (Cl. 62—116)



4. Refrigerating apparatus including an insulated cabinet having a food compartment therein, said food compartment having an insulated door forming one wall thereof, a cooling unit supported within said food compartment, said cooling unit having a freezing compartment therein containing freezing receptacles, said freezing compartment having an opening on the front of the cooling unit facing the insulated door for ready access to the freezing receptacles, said cooling unit having removable controlling means

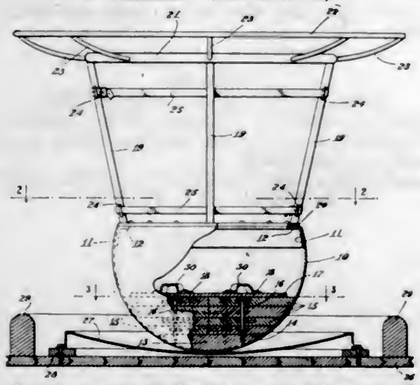
on the rear of the cooling unit, said food compartment having a removable wall portion at the rear of said cooling unit to provide ready access to the rear of the cooling unit and the removable controlling means.

1,979,843
COLLAPSIBLE TABLE
Edward Roos, River Forest, Ill.
Application January 19, 1933, Serial No. 652,495
5 Claims. (Cl. 45—117)



1. In a collapsible table, a plurality of upright supports, cross bars connected to said supports, hinges for connecting said cross bars together whereby said bars and supports may be folded together and springs with one terminal attached to one cross bar and the other terminal attached to another cross bar for holding the cross bars in either extended or collapsed position.

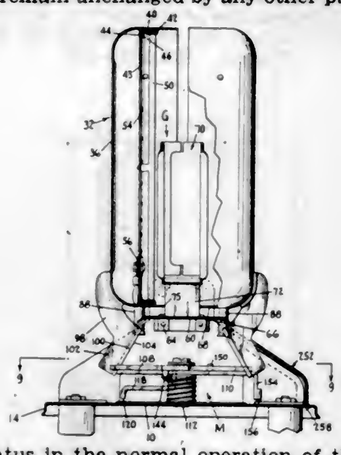
1,979,844
AMUSEMENT DEVICE
Herbert Rouenville, Copenhagen, Denmark
Application October 3, 1933, Serial No. 692,007
In Denmark December 1, 1932
5 Claims. (Cl. 272—1)



1. An amusement device comprising a spherical shell, weighted elements secured within the shell and adjacent the bottom thereof, stanchions secured to the shell and extending upwardly therefrom, and a rail secured to the upper ends of the stanchions.

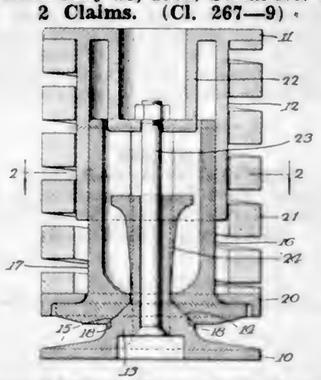
1,979,845
AUTOMATIC TOASTER
Charles A. Schallis, Lincoln Park, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 4, 1929, Serial No. 404,810
35 Claims. (Cl. 161—16)

1. In an automatic heating apparatus of the class described, a support for an article to be heated, means for heating said article, said means being shiftable to apply heat to said article at different rates, means for releasing said heating means after a predetermined period from high heating position, and controlling means cooperable with said releasing means and adjustable to control the length of said period, said controlling means also being adjustable to a position in which it will remain unchanged by any other part of the



apparatus in the normal operation of the latter and in which it will prevent release of said heating means from high heating position by said releasing means.

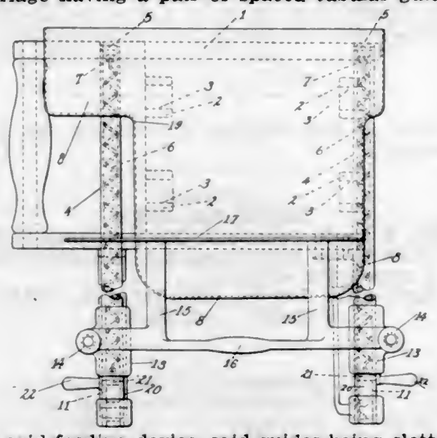
1,979,846
CUSHIONING DEVICE
Donald F. Sproul, Chicago, Ill., assignor to Cardwell Westinghouse Company, a corporation of Delaware
Application May 25, 1932, Serial No. 613,423
2 Claims. (Cl. 267—9)



1. In a cushioning device, a pair of cooperating friction elements having relative longitudinal movement, one of such elements being in the form of a lever and having a lateral projection at its rearward end constituting the power arm of the lever, a spiral spring reacting between such arm and a fixed seat, and a fulcrum for the lever approximately in line with the arm and having the form of a backward and outwardly inclined plane wedge.

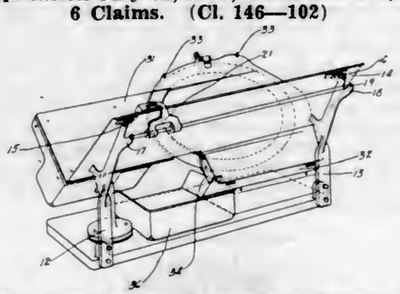
1,979,847
MEAT SLICING MACHINE
Elmer G. Streckfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application December 1, 1928, Serial No. 323,163
8 Claims. (Cl. 146—102)

1. In a slicing machine, in combination with a reciprocable carriage having a material supporting member thereon, a feeding device movable relative to said supporting member, resilient means for actuating said feeding device, and means for inhibiting said resilient means, said carriage having a pair of spaced tubular guides



for said feeding device, said guides being slotted, and springs within said guides comprising said resilient means, guide pins extending through said slots, handles fixed to said guide pins, and said guides having bayonet slots adjacent their ends within which said guide pins may be placed.

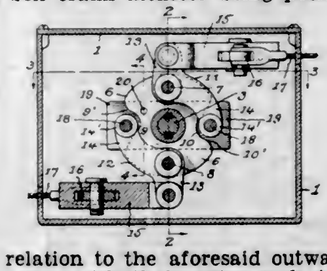
1,979,848
MEAT SLICER
Elmer G. Streckfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application July 31, 1930, Serial No. 471,992
6 Claims. (Cl. 146—102)



1. A slicer having in combination a rotary knife revolving on a fixed axis, a guard plate for said knife, a gauge plate adjacent said knife, and a flat platen extending along the length of both the gauge plate and guard plate, said platen being hinged to swing away from the gauge plate and guard plate.

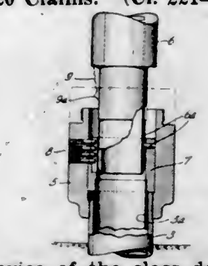
1,979,849
FOUR-WHEEL BRAKE MECHANISM
Wilbur Todd, Chicago, Ill.
Application July 17, 1933, Serial No. 680,812
6 Claims. (Cl. 188—204)

1. The combination with the pairs of front and rear wheel brake mechanisms of a vehicle, an equalizing unit located intermediate of said pairs of brake mechanisms midway thereof, said unit comprising an operating rock shaft having operative connections under control of the driver of the vehicle, a rocking member of a disk form fixed on said rock shaft and formed with diametrically opposed recesses in its perimeter, a pair of diametrically opposed bell crank members pivotally mounted on said rocking member in right angle relation to said recesses, one arm of each bell crank member extending outwardly and operatively connected to the individual braking means of one pair of vehicle wheels, the other arm of each bell crank member being positioned in



oblique relation to the aforesaid outwardly extending arms with their outer ends in spaced horizontal relation to the said central rock shaft and having limited movement to and from each other in the peripheral recesses of the rocking member, and an equalizing link pivotally connected to the free ends of the oblique arms of the said bell crank members.

1,979,850
COMBINATION INFLOW CONTROLLING AND FLUID DISCHARGE MEANS
Marvin S. Young, Scarsdale, and Abraham Novick, Flushing, N. Y., assignors, by direct and mesne assignments, to The Gas and Oil Lock Corporation, New York, N. Y., a corporation of New York
Application February 16, 1927, Serial No. 168,678
20 Claims. (Cl. 221—28)

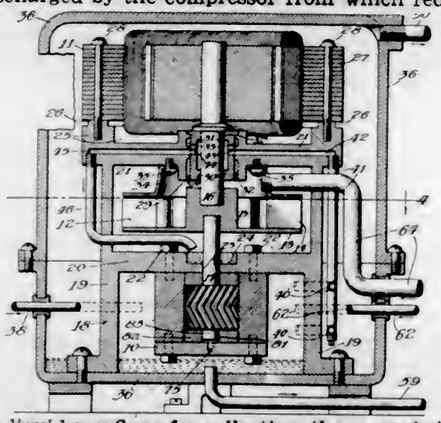


1. In a device of the class described, a filler pipe, a fixed head thereon, said pipe having closure means to seal the opening therein, including a concentric sleeve, tumblers projecting through said sleeve into said head, a conveying pipe, and integral key means on the end of the conveying pipe projecting into the filler pipe to release the tumblers and thereafter open the filler pipe to flow.

1,979,851
MOTOR-COMPRESSOR UNIT
George Andresen, Chicago, Ill., assignor to W. B. Parkyn, Chicago, Ill.
Original application January 31, 1931, Serial No. 512,671. Divided and this application November 16, 1931, Serial No. 575,425
2 Claims. (Cl. 230—207)

2. In refrigerating apparatus, the combination of a rotary compressor, a member in which the shaft of the rotor of said compressor is journaled and above which said rotor-shaft extends, said member containing a recess in its upper side at said rotor-shaft, a motor for actuating said compressor located above said member, a pipe leading from the outlet of said compressor to a point

adjacent said recess for maintaining in said recess a body of the sealing and/or lubricating liquid discharged by the compressor from which recess



the liquid overflows for collection, the recess being closed against discharge to the overflowed liquid and a housing into which said pipe discharges and into which said recess opens.

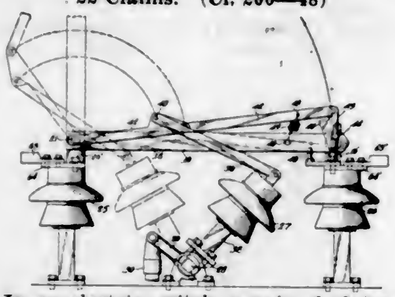
1,979,852

ELECTRIC SWITCH

Harvey B. Austin, Narberth, Pa., assignor of one-half to George Andros Thomson, Somerville, N. J.

Application September 30, 1933, Serial No. 691,718

22 Claims. (Cl. 200—48)



1. In an electric switch, a pair of plates comprising a switch blade, a pivot therefor, a slotted tongue contact which the plates laterally span and engage when the blade is closed, a clamp operative with the blade closed and adapted to tighten the plates laterally against the tongue and including a bolt transversely through the blade, and adapted to register with the slot, the bolt having a shoulder on the outer side of one plate, a nut at the outer side of the other plate and a non-circular section of the bolt adapted in one angular position of the bolt to pass through the slot and in the clamping position of the bolt to engage the tongue to lock the switch blade thereto, and means for throwing the bolt.

1,979,853

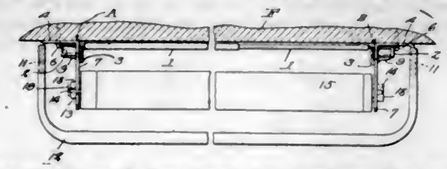
WINDOW BRACKET

George B. Baker, Oklahoma City, Okla., assignor of one-half to A. J. Albrecht, El Reno, Okla.

Application May 25, 1934, Serial No. 727,576

3 Claims. (Cl. 156—23)

1. A unitary structure for supporting curtains, drapes and a window shade for quick attachment to and detachment from a window frame and the like, including a connecting strip, end members mounted on the strip for supporting a shade roller, a curtain rod and a drape support, and



means on said members for binding the strip thereto.

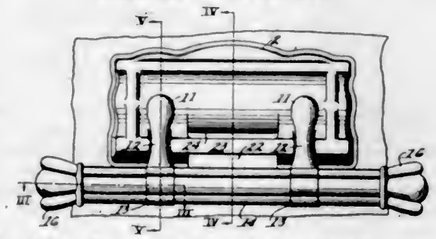
1,979,854

HINGE BRACKET

Allen F. Beck, Columbus, Ohio, assignor to The Clark Grave Vault Company, Columbus, Ohio, a corporation of Ohio

Application July 11, 1933, Serial No. 679,931

6 Claims. (Cl. 16—112)



6. A handle mechanism for grave vaults comprising a sheet metal plate formed with a peripheral flange arranged to engage directly with the side of a vault body, means for securing said plate in rigid association with the vault body, an integral horizontally extending bar formed with the lower central portion of said plate in spaced relation from the vault body to provide for the connection of supporting straps with said handle mechanism, said flange being interrupted for substantially the length of said bar and turned under said bar so that said bar comprises a doubled metal structure to strengthen same and eliminate sharp corners for the protection of the supporting straps, the body of said plate above said bar being recessed to produce guide openings for the insertion of the supporting strap around said bar.

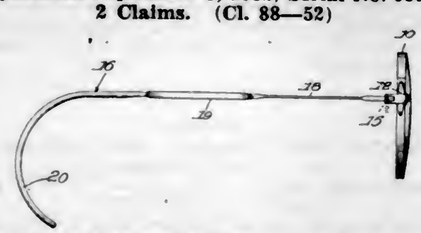
1,979,855

SPECTACLES

Austin B. Belgard, Chicago, Ill., assignor to Belgard-Spero, Inc., a corporation of Delaware

Application September 3, 1932, Serial No. 631,719

2 Claims. (Cl. 88—52)



2. A temple equipped with means for securing its forward end to a lens and having substantially that portion of its length extending forwardly of the eye in the form of a thin flat band lying in a horizontal plane and adapted to yield in a vertical plane, said temple having that portion of its length extending rearwardly of the eye relatively unyielding in a vertical plane.

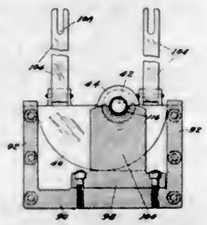
1,979,856

CONDENSER ASSEMBLY JIG

Morris H. Bennett, Prospect, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Original application April 7, 1932, Serial No. 603,785. Divided and this application December 7, 1933, Serial No. 701,321

5 Claims. (Cl. 29—84)



1. A condenser plate assembly holding jig having fixed therein a plurality of parallel plate spacing projections for holding in predetermined aligned spaced parallel relation a series of condenser plates, and having a plate sleeve seat in cooperative relation to said spacing projections for preventing longitudinal movement of a condenser plate sleeve, said seat having an expanding tool accommodating opening therein, and said jig having a plurality of plate aligning abutments.

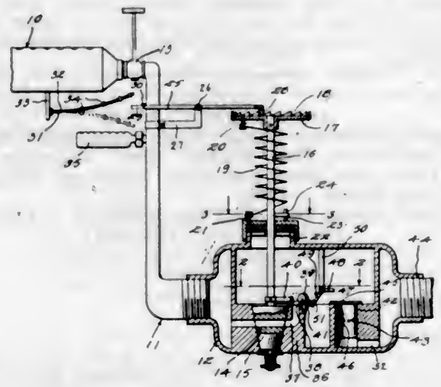
1,979,857

AUTOMATIC THERMOGRAVITY GAS CUT-OFF

Earl U. Benson, Cushing, Okla.

Application January 14, 1933, Serial No. 651,819

6 Claims. (Cl. 137—153)



1. An automatic gas cut-off comprising a housing adapted to be interposed in a fuel supply line, a valve rotatable in the housing, a valve stem carried by the valve and extending outwardly of the housing, a valve seat at one side of the first named valve, a spherical valve member for said latter seat, means for supporting said spherical valve member laterally of said first valve means active upon reduction in the pressure of fuel in the housing to move said spherical valve member onto said seat and to thereby close the passage of fuel through the housing and means active upon movement of said first valve to open position to unseat said second valve.

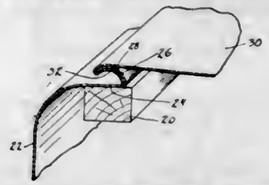
1,979,858

AUTOMOBILE TOP AND THE METHOD OF ITS CONSTRUCTION

William J. Bossemeyer, Detroit, Mich.

Application March 24, 1930, Serial No. 438,346

12 Claims. (Cl. 296—137)



1. In vehicle top construction, means arranged along one side to secure the top covering material in place along said side including a member having a recess and a flange overhanging the same, top covering material folded over said flange, said flange including an arcuate portion and being turned down into said recess with the arcuate portion flattened out holding the covering material taut and in place to form a flush joint.

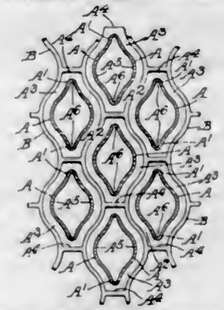
1,979,859

TUBE FOR BOILERS, HEAT EXCHANGERS, AND THE LIKE

Roger Stuart Brown, Chicago, Ill.

Application August 29, 1932, Serial No. 630,847

10 Claims. (Cl. 257—262)



1. For use with heat exchangers and the like, a plurality of tubes arranged in staggered relation, the exterior walls of which, when taken in transverse section, are exteriorly bounded by reverse curves, the opposed faces of adjacent tubes defining gas passages, bounded by said curves, of substantially uniform width between opposed surfaces of adjacent tubes, the walls of said tubes being of substantially equal thickness, each such tube having diametrically opposed exteriorly convex side portions and diametrically opposed exteriorly concave sided extensions.

1,979,860

ADJUSTABLE SEAT FOR VEHICLES

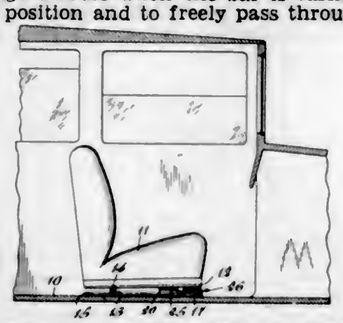
Montague P. Browne, Buffalo, N. Y.

Application February 8, 1932, Serial No. 591,627

10 Claims. (Cl. 155—14)

1. A seat control for automobiles and the like, comprising a member adapted for attachment to the seat and including longitudinally-spaced elements having alining bearing openings therein, a revolvable latch bar having its front portion journaled and longitudinally-supported in said openings and held against endwise movement therein, the remaining portion of said bar extending rearwardly beyond said member and having a row of locking notches in one of its edges, a second member adapted for attachment

to the vehicle floor and having an opening therein, the notched portion of said bar extending through said opening to interlock with the marginal edge thereof when the bar is turned to a latched position and to freely pass through said



opening when the bar is turned to a released position to permit sliding of the seat, and means applied to one of said members for limiting the turning movement of the latch bar to its latched and unlatched positions, respectively.

1,979,861

STEP PLATE

Giles E. Bullock, Rochester, N. Y., assignor to The E. C. Brown Co., Rochester, N. Y.

Application June 7, 1933, Serial No. 674,725

8 Claims. (Cl. 208—113)



1. A step plate adapted to be removably supported on a shaft mounted in a fork of a vehicle, anchoring means on said step plate removably engaging said shaft and a bracing member on said step plate projecting laterally and downwardly thereof to removably engage in front of said fork and cooperate with said anchoring means to support and anchor said step plate on said fork and said shaft.

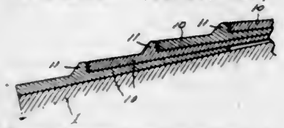
1,979,862

SHINGLE

John W. Cannon, Plainfield, N. J.

Application March 22, 1933, Serial No. 662,124

18 Claims. (Cl. 108—10)



1. A roofing element comprising a body portion having a rib extending thereacross and spaced from the lower end thereof, the lower end of said body portion being substantially uninterrupted or continuous and the height of said rib being not materially less than the thickness of the lower end of said element, whereby it may cooperate with the lower end of a similar roofing element thereby to protect such end against impact of wind and water thereagainst.

1,979,863

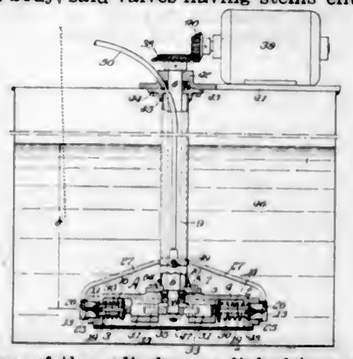
PUMP

Eben H. Carruthers, Ithaca, N. Y.

Application May 19, 1931, Serial No. 538,452

1 Claim. (Cl. 103—174)

In a pump of the character described, a pump casing comprising a hollow body substantially of bell-shape having a plurality of radial openings in the side wall thereof, closure members for the radial openings having fluid passages therethrough and valve chambers therein, valves in the valve chambers, a plurality of longitudinally bored cylinders mounted on the body having fluid intake ports of small area and length therein located within the bell to communicate with fluid entering through the open face of the bell-shaped body, said valves having stems entered in



the bores of the cylinders, radial pistons slidable in the cylinders and controlling said ports to admit an equal volume of fluid for each stroke thereof, operating means for the pistons, said bell-shaped body adapted to be immersed in the fluid to be pumped and providing a static pressure head for counteracting the inertia of the fluid contained in said ports.

1,979,864

ART OF PAPER AND BOARD MANUFACTURE

Francis L. Carson, San Francisco, Calif., assignor to The Pacific Lumber Company, San Francisco, Calif., a corporation of Maine

No Drawing. Application January 7, 1931, Serial No. 507,296

3 Claims. (Cl. 92—39)

3. In the process of manufacturing paper or board from raw shredded redwood bark, the step of conveying to the filter screen or plate the shredded bark while suspended in a viscous liquid medium.

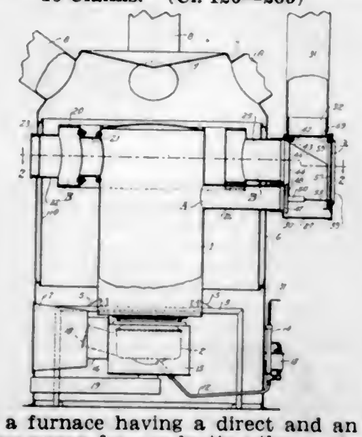
1,979,865

DRAFT REGULATOR

Lee S. Chadwick, Shaker Heights, and John Alger Dahlstrom, Bay Village, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application May 31, 1932, Serial No. 614,496

19 Claims. (Cl. 126—285)



1. In a furnace having a direct and an indirect passageway for conducting the products of combustion from the combustion chamber to the flue, each communicating with the combustion chamber independently of the other, means for regulating the flow of the products through said passageways, and further means responsive to the draft pressure of the flue for operating the former means and for admitting atmospheric air to the flue.

1,979,866

FENCE STRUCTURE

Henry G. Chapman, Waukegan, Ill., assignor to Cyclone Fence Company, Waukegan, Ill., a corporation of Illinois

Application May 10, 1933, Serial No. 670,353

4 Claims. (Cl. 256—32)



2. Fence structure consisting of a bottom portion formed of a length of chain-link wire fabric, a decorative top portion therefor formed of ornamental metal fencing, and supporting posts including spaced channel-shaped members providing means for securing the metal fencing to said posts, said wire fabric having passage between the members, the legs of said channel-shaped members engaging the fabric to support the same.

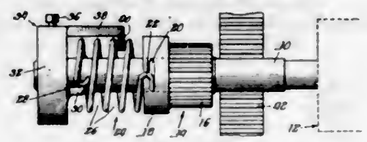
1,979,867

ENGINE STARTER

James A. Charter, Chicago, Ill., assignor to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois

Application June 8, 1929, Serial No. 369,392

11 Claims. (Cl. 74—9)



1. In an engine starting device of the class described, a drive shaft unit, an engine driving member on said unit for both longitudinal movement and rotary movement, said member being adapted, when properly positioned, to operatively engage an engine part to be driven, a coiled spring encircling said drive shaft unit and affixed to said engine driving member, and an actuating means affixed to said drive shaft unit, said actuating means including a projection and supporting means therefor adapted to extend over the coiled spring and connected with said unit at a point located externally of the coiled spring, said projection being positioned between the convolutions of said spring and adapted in response to relative movement between the spring and the projection, to cause the engine driving member to be carried into operative association with the engine part to be driven.

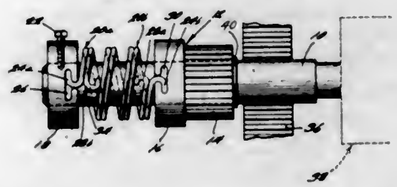
1,979,868

ENGINE STARTER

James A. Charter, Chicago, Ill., assignor to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois

Original application June 8, 1929, Serial No. 369,392. Divided and this application September 28, 1931, Serial No. 565,527

13 Claims. (Cl. 74—9)



1. In an engine starting device of the class described, a drive shaft unit, an engine driving member on said unit for both longitudinal movement and rotary movement, said member being adapted, when properly positioned, to operatively engage an engine part to be driven, a coiled spring encircling said drive shaft unit and affixed to said engine driving member, a coiled actuating member supported externally of said coiled spring upon said drive shaft unit and adapted to be positioned between the convolutions of said spring, whereby said engine driving member may be moved into and out of operative association with the engine part to be driven, and abutment means for establishing driving connection between said coiled spring and actuating member.

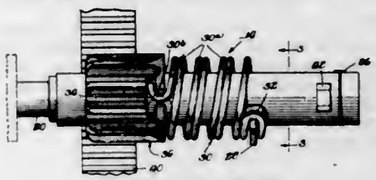
1,979,869

ENGINE STARTER

James A. Charter, Chicago, Ill., assignor to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois

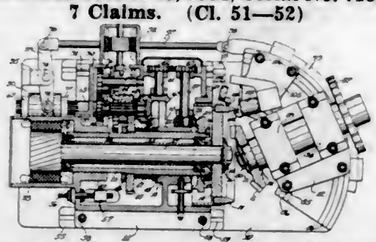
Application October 31, 1932, Serial No. 640,483

8 Claims. (Cl. 74—9)



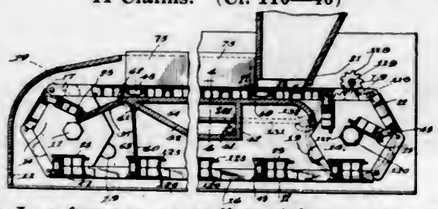
1. In an engine starting device, a drive shaft unit, an engine driving member on said unit for both longitudinal and rotary movement, said member being adapted in one shifted position to operatively engage an engine part to be driven, a coiled spring structure on said unit connected at one extremity with the engine driving member, said spring structure including a double strand of spring wire forming a helical way and movable as a unit with said driving member, the extremities of each strand at one end of the spring structure being coupled with the engine driving member, and means rotatable with the drive shaft unit and positioned between the double strand convolutions of said spring structure for controlling the longitudinal shifting of said spring structure and engine driving member and adapted to engage the other extremity of the spring structure and thereby effect a torsional driving connection between said engine driving member and drive shaft unit.

1,979,870
METHOD OF AND MACHINE FOR GRINDING GEARS
Robert S. Condon, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 29, 1934, Serial No. 718,027
7 Claims. (Cl. 51—52)



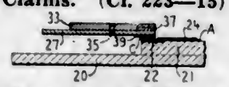
4. In a machine for grinding longitudinally curved-tooth gears, a work spindle, a tool spindle, a rotary annular grinding wheel mounted on said tool spindle and having grinding surfaces complementary in profile to the tooth surfaces to be ground, means for rotating the tool spindle, means for producing a gradual feed movement of the wheel into full-depth engagement with the work, means for producing a rapid reciprocating movement of the wheel axially during said movement, and means for periodically indexing the gear.

1,979,871
AUTOMATIC FURNACE STOKER
Virginius M. Cruikshank, Shamokin, Pa.
Application October 5, 1931, Serial No. 567,052
11 Claims. (Cl. 110—40)



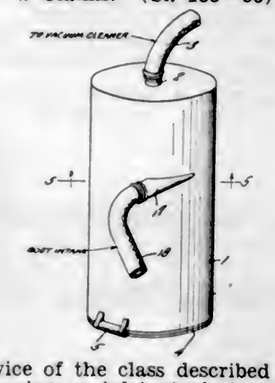
1. In a furnace, an endless stoker composed of fixed sections and alternately disposed sections swingably mounted on the fixed sections, the free end of each swingable section having a longitudinal groove, and the adjacent end of each fixed section having a lip normally seating within the groove.

1,979,872
MACHINE FOR INFOLDING AND CREASING BLANKS
Walter L. Dixon, Boston, Mass., assignor to Reece Folding Machine Company, Boston, Mass., a corporation of Maine
Application December 26, 1931, Serial No. 583,192
9 Claims. (Cl. 223—15)



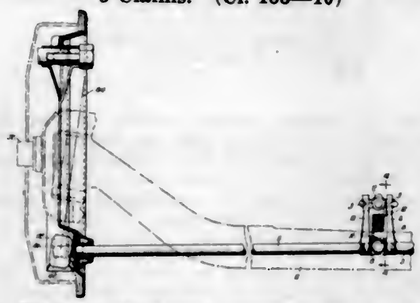
1. In a machine for infolding and creasing blanks for cloth articles, the combination of a blank supporting bed, having a recess for each creasing projection, a blank defining means retractible from the marginal infolds of the blank, infolding plates movable inwardly over a margin or margins of the blank to infold the same, and having a slot for each creasing projection, and creasing means, comprising a plate or holder with a creasing projection or rib adapted to protrude through the slot in an infolder and into a recess in the bed.

1,979,873
SOOT COLLECTOR
Axel Emanuel Engstrom, Evanston, Ill.
Application December 21, 1933, Serial No. 703,468
2 Claims. (Cl. 183—83)



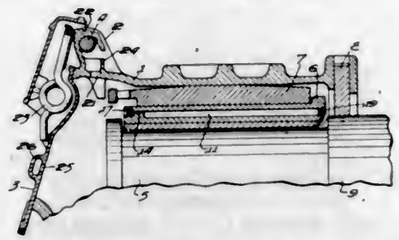
1. A device of the class described comprising a casing having an inlet nipple tangentially arranged in a side part thereof, a hose connected with the nipple, a nipple in the top of the casing for attachment to a suction device, a substantially conical member supported in the casing above the inlet nipple and having its small depending end provided with an opening, said conical member being spaced from the upper end of the casing and dividing the casing into upper and lower parts, an inverted bag of porous material located in the upper part with its lower end open and contacting the top part of the conical member, the opening in the bag being of substantially the same dimensions as the large end of the opening formed by the conical member the air drawn from the casing by the suction device passing through said bag after passing through the conical member.

1,979,874
BRAKING MECHANISM
Edwin R. Evans, Chicago, Ill.
Application March 21, 1931, Serial No. 524,257
5 Claims. (Cl. 188—10)



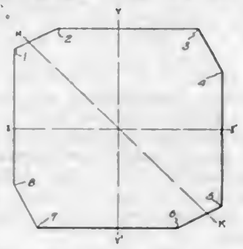
1. Brake mechanism comprising a pair of brakes, a single element for applying both of said brakes, a brake expanding cam associated with each of said brakes, linkage connections from said element to each of said cams for imparting equal angles of turn thereto, one of said cams being designed to impart a greater brake applying movement for an equal angle of turn than the other of said cams.

1,979,875
HOT-BOX INDICATOR
Herbert W. Faus, White Plains, N. Y.
Application February 17, 1931, Serial No. 516,426
16 Claims. (Cl. 308—38)



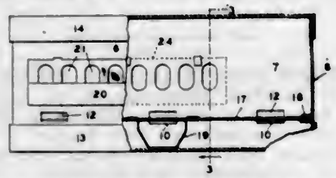
1. A bearing with a pocket normally closed by a fusible element, said pocket containing a material which, when released by melting of the element, is vaporized to indicate a hot-box.

1,979,876
PAPER NAPKIN
Philip A. Fischer, New York, N. Y.
Application January 6, 1932, Serial No. 585,125
3 Claims. (Cl. 206—57)



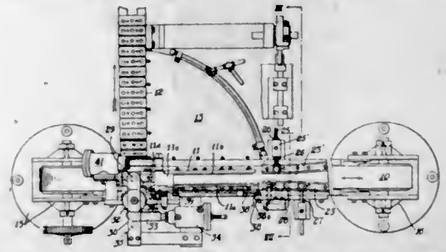
1. A substantially rectangular paper napkin bounded by four substantially straight sides, the opposite sides being parallel and having at least one corner which is cut off along a diagonal line at an angle of less than forty-five degrees from one adjacent edge and more than forty-five degress from the other adjacent edge at right angles to the aforementioned adjacent edge, forming a polygon with at least five sides, whereby when the napkin is folded about a vertical, horizontal or diagonal axis a porton of the corner opposite to the diagonal cut off is exposed by said cut off, which exposed corner may be grasped by the user in opening the folded napkin.

1,979,877
BROODER BOX
Hubert H. Hane, St. Louis, Mo., assignor to Robert Gaylord Incorporated, St. Louis, Mo., a corporation of Missouri
Application July 25, 1932, Serial No. 624,428
1 Claim. (Cl. 119—19)



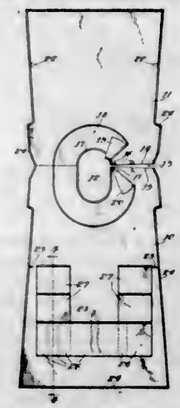
In a box of the class described, the combination of a collapsible body, a removable top, a removable bottom, supports carried on the inner faces of the body walls at a substantial distance above the bottom, a frame resting on said supports but unattached to said walls, a screen carried by said frame, and a sheet metal loop having its ends engaged with the strands of said screen and its central part bearing upon the bottom to prevent sagging of the screen.

1,979,878
CONVEYING MECHANISM
John W. Harding, Brockway, Pa., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application March 10, 1931, Serial No. 521,471
23 Claims. (Cl. 198—31)



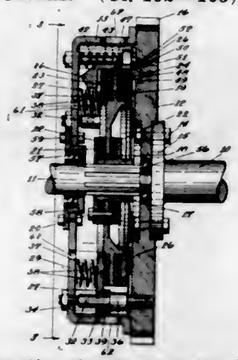
1. In a transfer device for glass articles which is located between article delivery means and article receiving means, a transfer mechanism movable from a cooperating position with respect to one of said means to a cooperating position with respect to the other of said means, said transfer mechanism including a transfer trough and movable means for closing an end of said trough during such movement.

1,979,879
COMBINED APRON AND TOILET CASE
May Harris, Chicago, Ill.
Application July 21, 1934, Serial No. 736,331
8 Claims. (Cl. 2—48)



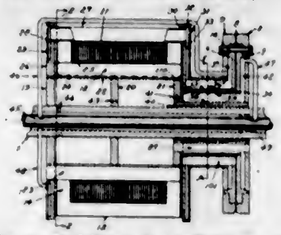
1. An apron of the character described embodying a front and back panel shaped to form a neck opening therebetween which is open at one side to facilitate application to the person, fastening means for the open side of the neck opening, and a bib of substantial width on the outer side of the apron, secured to and depending from the edge of the neck opening, said bib adapted to be folded or tucked over the edge of the neck opening and beneath the garment of the wearer to encase the edge of the garment between the bib and the under face of the apron.

1,979,880
AUTOMATIC CLUTCH
Charles B. Heinrich, Maple Shade, N. J., assignor to Automatic Drive and Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application December 10, 1931, Serial No. 580,172
7 Claims. (Cl. 192—105)



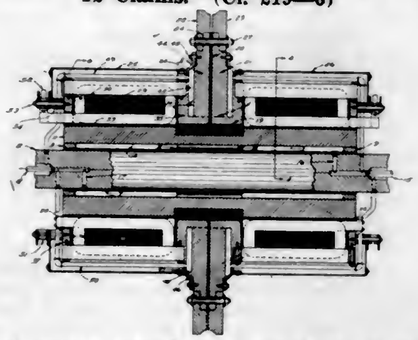
1. An automatic clutch including drive and driven shafts and having clutch elements arranged for frictional engagement, interconnecting said shafts, and means to automatically apply increased pressure to said elements as the speed of rotation of the driving shaft increases, said clutch elements having the characteristic of presenting a coefficient of friction that is relatively low at low pressures and that increases as the pressures increase.

1,979,881
ROTARY WELDING TRANSFORMER
Thomas M. Hunter, East Orange, N. J.
Application February 20, 1931, Serial No. 517,176
20 Claims. (Cl. 219—6)



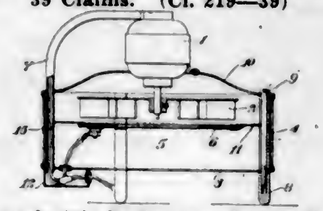
20. A rotary welding transformer having; a continuous hollow shaft extending through the transformer, a core surrounding the shaft but spaced therefrom, a twin electrode wheel mounted adjacent the core, each electrode of the wheel having a cooling chamber, primary and secondary windings around the core, the secondary terminating in said electrodes of the wheel; said transformer further having, support and spacing members carried by the shaft, a tube carried by said support and spacing members at a considerable distance from the shaft to form a large fluid cooling chamber with means for connecting said chamber to the interior of the hollow shaft, at least the inner parts of the primary turns resting on but being insulated from said tube, said tube being in the secondary circuit, cross-connecting and support means for one end of the inner parts of the secondary resting on one end of said tube directly above one of said support and spacing members, parts of said secondary winding forming a cooling chamber outside of the core, and means for passing cooling fluid through all of said chambers.

1,979,882
ROTARY WELDING TRANSFORMER
Thomas M. Hunter, East Orange, N. J.
Application September 15, 1932, Serial No. 633,233
12 Claims. (Cl. 219—6)



6. A rotary transformer including; a shaft, a large-current-conducting tubular member acting as one part of the secondary winding spaced from said shaft to form at least one cooling chamber, an insulator centrally positioned on said tubular member, a pair of rolls positioned on said insulator, flanges spaced from said rolls but electrically connected thereto to form cooling chambers and to convey current to the rolls, core sections on opposite sides of the rolls, a primary winding around each core section and electrically connected through said tubular member, a secondary winding composed of discs on the other end of said tubular member, and bars extending from the periphery of the discs to said flanges, said bars preferably being intermingled with the primary turns, means for passing current through the primary, and means for passing cooling fluid to all of said chambers.

1,979,883
ELECTRIC HEATER
Lee P. Hynes, Philadelphia, Pa.
Application November 12, 1931, Serial No. 574,633
39 Claims. (Cl. 219—39)

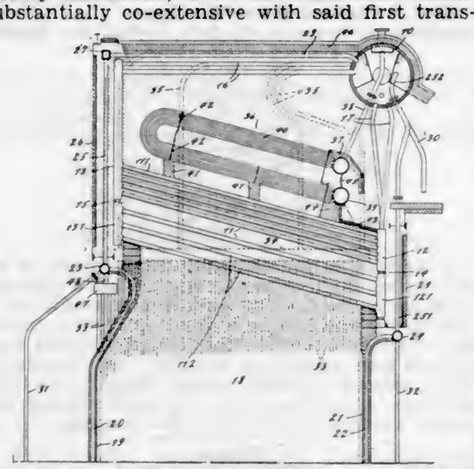


1. In an electric heater, an electrically heated wall, a second wall spaced therefrom, said walls being so arranged that the electrically heated wall will direct radiant heat to the second wall, and means for causing a current of air to take heat conductively from both of said walls by sweeping radially over the surfaces thereof.

1,979,884
STEAM BOILER AND ITS FURNACE
David S. Jacobus, Montclair, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application May 25, 1929, Serial No. 365,816
10 Claims. (Cl. 122—235)

1. In a steam boiler and its furnace, a steam and water drum, water wall tubes associated with a furnace wall, a first transverse header to which

the upper ends of said water wall tubes are connected, a plurality of riser tubes connected to and spaced along said header and extending upwardly therefrom, a second transverse header substantially co-extensive with said first transverse header to which the upper ends of said riser tubes are connected in horizontally spaced relation, and circulating tubes connecting said second transverse header to said steam and water drum.



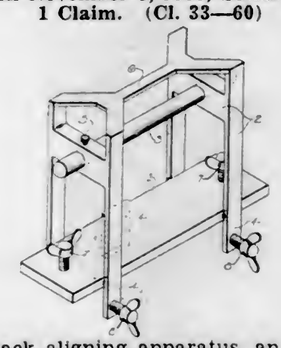
1,979,885
HOT GAS GATE
Karl F. Juengling, Lakewood, Ohio
Application May 6, 1931, Serial No. 535,531
9 Claims. (Cl. 251—167)



6. A hot gas gate for the end of a conduit comprising a support having an annular transverse resilient seat member fixed at its edges, a plate movable across the conduit end, and also movable parallel with the conduit axis to deflect the seat member, said seat member being formed of thin metal and disposed convexly toward the plate, certain portions of the seat member being adapted to move in a radial direction when the plate is forced against the seat, thus effecting a wiping action by the seat upon the plate.

9. A hot gas gate for alined ends of coaxial conduits defining a transverse slot comprising unitary means adaptable for attachment to the conduit ends and formed with longitudinally-spaced opposed annular seats, a plate adapted to be moved in the space between the seats, and means for moving the seats and the plate into sealing relation, said means exerting a direct rectilinear thrust within the area of said seats, and said unitary means supporting said sealing means around one conduit end.

1,979,886
RAILWAY LEVELING DEVICE
James H. Keith, Loachapoka, Ala.
Application November 8, 1933, Serial No. 697,194
1 Claim. (Cl. 33—60)



In a track aligning apparatus, an optical device, said optical device comprising a base plate, an upstanding frame on the base plate, a telescope mounted on the frame, depending lugs on the edge portion of the frame, each provided with a horizontally feedable set screw for engagement with a rail head, and a vertically adjustable set screw feedable through each end of the base plate to permit vertical adjustment of the end portions of the base plate.

1,979,887
CHRISTMAS TREE ORNAMENT AND METHOD OF MAKING THE SAME
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application December 20, 1933, Serial No. 703,200
2 Claims. (Cl. 41—10)

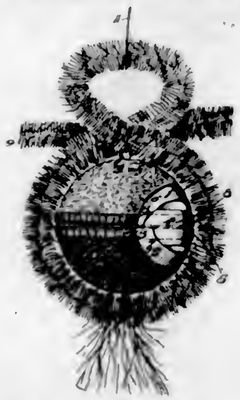


1. An ornamental bell for Christmas trees, and the like, comprising a core struck up from a flexible, non-metallic form-retaining flat sheet material, a smooth facing of lustrous thin sheet material for the inner surface of said bell, and a facing of thin, flexible, lustrous sheet material covering the outer surface of said bell and being of an irregularly roughened surface to reflect and refract the light shed thereon.

1,979,888
CHRISTMAS TREE ORNAMENT AND METHOD OF MAKING THE SAME
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application December 23, 1933, Serial No. 703,689
4 Claims. (Cl. 41—10)

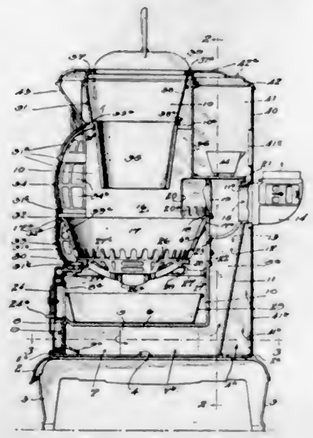
1. An ornamental ball for Christmas trees and the like, comprising an inner core composed of

semi-spherical sections formed of flexible, form-retaining material, an interconnecting band permanently secured to one of said sections and adapted internally to engage the other of said sections to form a complete sphere, a lustrous covering for the external surface of said sphere, and a decorative band encircling said sphere at the junction of said semi-spherical sections.



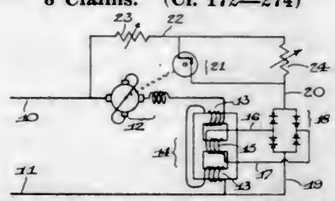
3. The method of making an ornamental ball for Christmas trees and the like, which consists in forming two semi-spherical sections of a a flexible, form-retaining material, joining said semi-spherical sections together by means of an interconnecting band permanently secured to one of said semi-spherical sections and detachably engaging the other of said sections to form a spherical core, covering said core with the desired lustrous material, and finally camouflaging the junction of said spherical sections with a decorative design.

1,979,889
STOVE OR HEATER
Henry Lange, Quincy, Ill.
Application October 19, 1931, Serial No. 569,798
8 Claims. (Cl. 126—58)



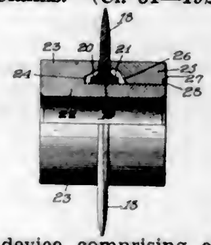
1. In a stove having a casing providing a combustion chamber, a burner in said chamber, said casing having a side opening for removal of said burner, supporting means for said burner and including a removable member overlying said opening and partially closing the same.

1,979,890
MOTOR CONTROLLING APPARATUS
Royal Lee, Milwaukee, Wis., assignor to Lee Engineering Research Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 15, 1934, Serial No. 706,688
8 Claims. (Cl. 172—274)



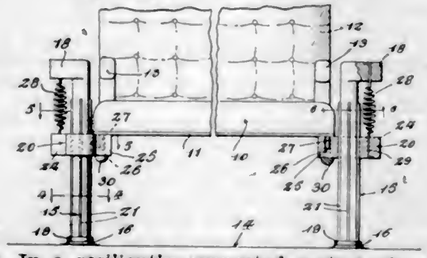
8. Apparatus for controlling the speed of an alternating current motor, comprising a variable impedance reactor for circuit connection with said motor and having a direct current saturating winding, a rectifier for supplying direct current to said saturating winding, and automatically operating switch means having relatively movable contact members for interrupting the flow of alternating current to said rectifier.

1,979,891
CUTTER DEVICE
Tideman M. Lilleberg, Chicago, Ill., assignor to The Nye Tool & Machine Works, Chicago, Ill., a corporation of Illinois
Application April 21, 1933, Serial No. 667,277
6 Claims. (Cl. 81—192)



1. A cutter device comprising a thin cutter disk containing an opening, said disk comprising a face portion and a flanged portion, said flanged portion being disposed about said opening to provide an extended bearing surface, and a sectional support for said disk having an apertured portion extending through the opening in said disk and portions disposed at opposite faces of said disk and extending outwardly beyond the plane of said flanged portion, said support containing a recess to receive said flanged portion.

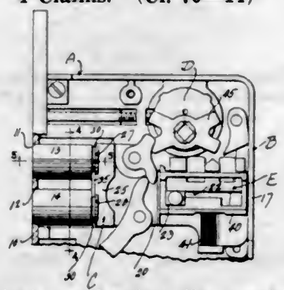
1,979,892
SPRING SUSPENSION SEAT
George Loeffler, New York, N. Y.
Application March 29, 1934, Serial No. 718,078
4 Claims. (Cl. 155—50)



1. In a resiliently supported seat, a plurality of upright support members, vertically extended ribs on said support members, a seat supporting block member slidable on each support member,

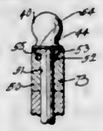
each block having a plurality of grooves complemental to said ribs, a seat detachably supported by each block, and respective spring means for supporting the blocks.

1,979,893
LOCK MECHANISM
Arthur G. Lyons, Pennside, Pa., assignor to Reading Hardware Corporation, Reading, Pa., a corporation
Application September 3, 1931, Serial No. 561,053
4 Claims. (Cl. 70—14)



1. In a lock mechanism the combination of a casing, a lock bolt mechanism including a non-rotatable rectilinear slidable frame in the casing, a cylindrical shaped elongated lock bolt member having an external continuous circumferential groove at its inner end, means upon the slidable frame extending into said groove and connecting the bolt member for unrestricted rotation in either direction upon said frame and for rectilinear sliding therewith, and means for reciprocating the lock bolt mechanism in order to project or retract the freely rotatable bolt member with respect to the casing.

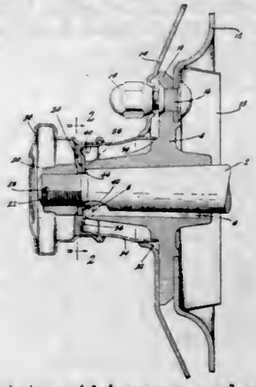
1,979,894
BUTT HINGE CONSTRUCTION
Arthur G. Lyons, Pennside, Pa., assignor to Reading Hardware Corporation, Reading, Pa., a corporation
Application June 18, 1932, Serial No. 618,052
4 Claims. (Cl. 16—169)



1. In a hinge the combination of hinge sections having barrel portions provided with aligning passageways therethrough, a connecting pin in the passageways of said barrel portions, one of said barrel portions at an end thereof having an annular socket surrounding the pin passageway through said barrel portions, and a pin retaining washer rigidly seated therein and providing an annular keyway surrounding said pin passageway, said washer having a key entrance slot to said annular keyway, and said pin having a key lug thereon for removable seating in said annular keyway.

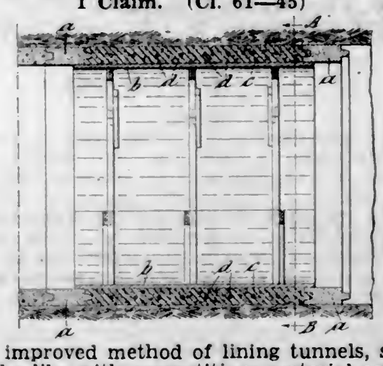
1,979,895
HUB CAP MOUNTING
Dewey L. Maker, Detroit, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation, a corporation of New York
Application June 30, 1930, Serial No. 464,800
3 Claims. (Cl. 301—37)

1. In combination with a wheel and its hub, an axle to which said hub is secured by means of a key in a keyway in both axle and hub, a cover for said hub, said cover having its end portions bearing on said hub, a tongue on one end portion



extending into said keyway, and a hub cap secured to said cover.

1,979,896
METHOD OF LINING TUNNELS, SHAFTS, OR THE LIKE
Malcolm McAlpine, London, England
Application October 14, 1932, Serial No. 637,713
In Great Britain November 19, 1931
1 Claim. (Cl. 61—45)

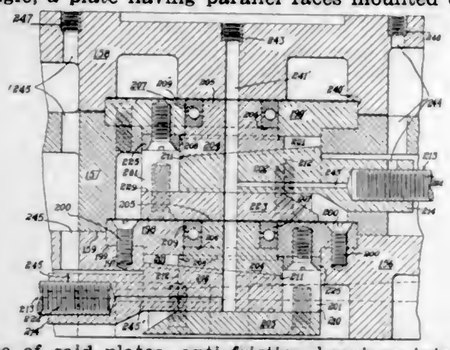


An improved method of lining tunnels, shafts and the like with cementitious material consisting of building in the excavation two rings of tongue and groove jointed segments a given distance apart from one another, said rings having keying means at each end surface, inserting in said rings a collapsed open centered shuttering element of a length to span the space between the rings, expanding the shuttering element to be supported by said rings, casting concrete in the space behind the shuttering and between the tongued and grooved ring ends, building another ring in an advance position in the excavation, collapsing and removing forwardly the shuttering to said advanced position, and expanding said shuttering into the rings supporting it ready for the next casting operation.

1,979,897
MACHINE FIXTURE
John P. Melcher, Pittsburgh, and William D. Cappe, Glenshaw, Pa., assignors to Pittsburgh Valve, Foundry and Construction Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1930, Serial No. 487,253
Renewed February 16, 1933
13 Claims. (Cl. 279—5)

3. A fixture adapted for mounting on a rotating body, table, shaft and the like, and upon which

fixture an article to be machined may be secured, said fixture comprising a plurality of plates adjacent faces of which are tapered or inclined at an angle, a plate having parallel faces mounted on



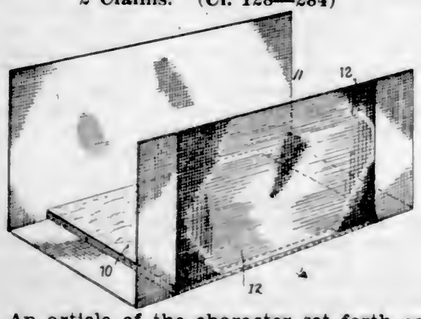
one of said plates, anti-friction bearings interposed between adjacent faces of said plates, and means for selectively mounting said plates on said bearings.

1,979,898
METHOD AND APPARATUS FOR SPOOLING ARTIFICIAL SILK
Adrian J. L. Moritz, Buncombe County, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application November 28, 1932, Serial No. 644,751
4 Claims. (Cl. 18—8)



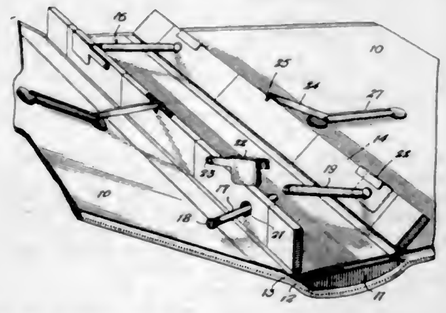
1. In an artificial silk machine, a spinnerette, a spool rotated to wind a filament extruded from the spinnerette, a guide through which the filament passes in its path from the spinnerette to the spool, means to cause the said guide to move longitudinally of the spool, and means to cause the guide to move in a direction to increase the length of filament between the spinnerette and spool at each limit of the thread guide movement.

1,979,899
DIAPER AND THE LIKE
Robert J. O'Brien and Abraham A. Rubin, Newark, N. J.
Application August 25, 1932, Serial No. 630,456
2 Claims. (Cl. 128—284)



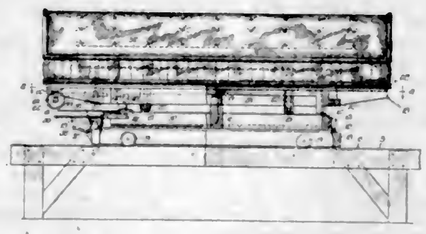
1. An article of the character set forth composed of but two parts, one a pad of material that absorbs natural body discharges, and a sheet form gauze wrapper folded thereover, but without connection therewith so as to be freely-removable from the pad the pad being of material readily disintegrating in water, and having a limited liquid impermeable area on the side of the pad opposite that side which comes next the body in use, whereby liquid absorbed by the pad is confined to the latter, said impermeable area being formed by a thin, adhering coating of soft, flexible material that folds or bends without creasing or cracking, such material filling the meshes or interstices of the fabric.

1,979,900
BINDER
John Macdonald Nichols, Hempstead, N. Y.
Application October 24, 1933, Serial No. 694,949
5 Claims. (Cl. 129—13)



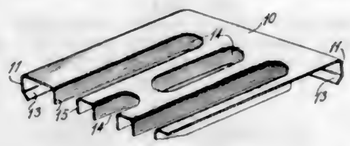
2. In a binder, a back, cover sections hingedly fastened to said back, binder strips hingedly fastened to said back between said cover sections, freely extensible binder posts extending from one to the other of said strips, and a link extending between each said strip and its associated cover section for spreading the strips and extending the binder posts as said cover sections are spread apart.

1,979,901
WORKTABLE
Hugo Periesz, Chicago, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
Application July 8, 1932, Serial No. 621,429
13 Claims. (Cl. 112—3)



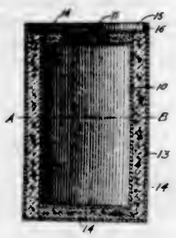
1. A work table comprising stationary tracks, with a lower carriage movable on said tracks, an upper carriage carried by said first carriage and movable with respect thereto in a direction transverse to the direction of movement of said lower carriage, a table top substantially free from upstanding members thereon supported by said upper carriage and rotatable with respect thereto, and means for latching said upper carriage to prevent its movement with respect to said lower carriage.

1,979,902
SANITARY SHELF
Thomas I. Potter and Axel E. Carlson, Buffalo, N. Y., assignors to Thomas I. Potter, Buffalo, N. Y.
Application September 29, 1932, Serial No. 635,450
3 Claims. (Cl. 211—153)



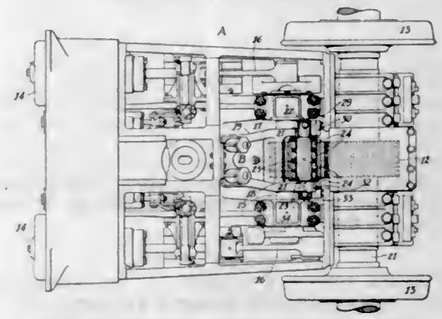
1. A sanitary shelf for refrigerators and the like, comprising a body of sheet metal with slots stamped therethrough, each slot being completely bounded by a continuous down-turned peripheral flange struck from the body and with a rounded corner at the junction of each flange with the body, the body being also formed with down-turned border flanges, a base coating of porcelain covering the body and said peripheral and border flanges, and a finish coating of white porcelain covering the upper surface of the body, said finish coating extending into the slots and covering the inner faces of said peripheral flanges.

1,979,903
RECEPTACLE FOR LIQUIDS
Antonio Rivera, Mexico, D. F., Mexico
Application November 19, 1932, Serial No. 643,516
In Mexico September 21, 1932
3 Claims. (Cl. 220—9)



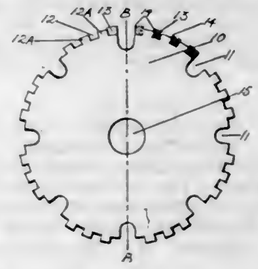
1. A liquid container comprising an inner metallic receptacle formed in its top with a flanged opening and otherwise completely closed, an outer receptacle corresponding to the shape of the inner receptacle and spaced from the latter, the outer receptacle extending above the top edge of the inner receptacle, vertically disposed strips of heat insulating material attached to each other and fastened to the outer wall of the inner receptacle and interposed in the space between the inner and outer receptacles, a layer of heat insulating material interposed in the space between the bottoms of the receptacles, a layer of heat insulating material interposed between the flange surrounding the opening and the vertically disposed strips of heat insulating material, and a top plate fitted over the top layer of heat insulating material and the top edges of the vertically disposed strips, said plate having an edge flange secured to the inner wall of the outer receptacle.

1,979,904
LOCOMOTIVE BOOSTER CONSTRUCTION
Montague H. Roberts, Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware
Application October 18, 1932, Serial No. 638,320
6 Claims. (Cl. 74—8)



1. In a locomotive booster, the combination of a disengageable train of gears including one gear which is a self-energizing idler gear substantially as herein described, characterized by the fact that self centering stop members are provided for limiting the movement of said self energizing gear and further by the fact that the idler gear is mounted upon roller bearings carried by a non-rotatable pin the ends of which are arranged to seat in said self-centering stop members.

1,979,905
PROCESS AND APPARATUS FOR THE MANUFACTURE OF MOLDINGS AND SHAPED SECTIONS FROM FIBER BOARDS, WOOD PULP BOARDS, CRUSHED CANE BOARDS, BEAVER BOARDS, AND THE LIKE
Joseph Rogerson, Woodstock, Cape Town, Union of South Africa, assignor to Arderne, Scott, Thesen Limited, Woodstock, Cape Town, Union of South Africa, a limited-liability company of the Union of South Africa
Application May 4, 1933, Serial No. 669,428
In the Union of South Africa July 2, 1932
2 Claims. (Cl. 51—206)



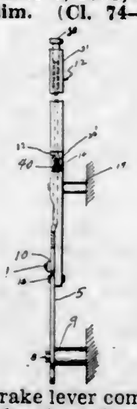
1. An apparatus for the manufacture of moldings and shaped sections of fibrous articles comprising a wheel provided with two sets of peripheral recesses, one set being relatively shallow, abrasive blocks anchored in the shallow recesses and projecting beyond the periphery of the wheel to provide spaces therebetween, the other set of recesses being of greater depth and dividing the shallow recesses into groups, the second mentioned recesses and the spaces between the blocks forming channels for the passage of a cooling medium.

1,979,906
BRAKE APPARATUS FOR A WHEEL
Seizo Saito, Toyonaka-Cho, Japan, assignor to Kabushiki Kaisha Sumitomo Seikosho, Konohana-ku, Osaka, Japan, a corporation of Japan
Application December 9, 1932, Serial No. 646,559
In Japan July 25, 1932
5 Claims. (Cl. 188—33)



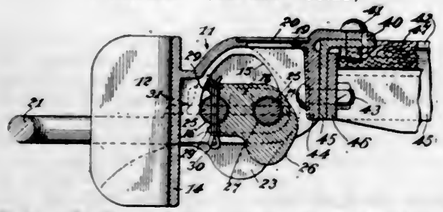
1. A brake apparatus for a wheel which comprises a pair of shoes made respectively of steel and of soft material.

1,979,907
EMERGENCY BRAKE LEVER
Henry Schnakenberg, Honesdale, Pa.
Application December 4, 1933, Serial No. 700,782
1 Claim. (Cl. 74—531)



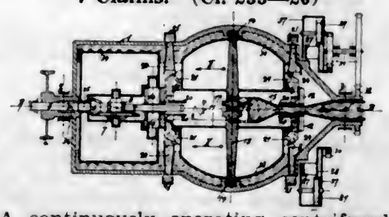
An emergency brake lever comprising a pivoted brake lever, a quadrant on the upper end of said lever, a hand lever pivotally connected at its lower end to said first mentioned lever, an inverted V-shaped slot around the arcuate edge of the quadrant, a locking wedge attached to said hand lever and engageable with the above mentioned inverted V-shaped slot, and releasable means for actuating said wedge to release same from frictional engagement with the edges of said slot.

1,979,908
VEHICLE COUPLER
Alfred L. Schuller, Upper Montclair, N. J., assignor to Easton Car & Construction Company, Easton, Pa., a corporation of Pennsylvania
Application September 6, 1933, Serial No. 688,274
7 Claims. (Cl. 280—33.15)



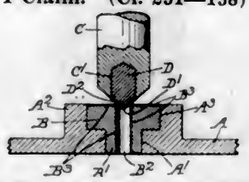
7. A vehicle coupling comprising a coupling member adapted to transmit draft forces, a coupler body supporting said coupling member, and a pair of pivots connecting said member and said body, one of said pivots being effective when the draft force on said member is downward and the other of said pivots being effective when the draft force on said member is upward.

1,979,909
CONTINUOUSLY OPERATING CENTRIFUGAL MACHINE
Herbert Schulz, Berlin, Germany
Application February 25, 1932, Serial No. 594,987
In Germany March 2, 1931
7 Claims. (Cl. 233—20)



1. A continuously operating centrifugal machine, comprising a housing, means connected with said housing for quickly rotating the same, a drum within said housing, the axis of rotation of said drum crossing the axis of rotation of said housing, cells formed on the periphery of said drum and having outwardly directed openings, means cooperating with said openings for closing them at certain positions of the drum and opening them at other positions of said drum, means for slowly rotating said drum, and means for discharging solid matter and superfluous liquid out of said housing.

1,979,910
VALVE
Philip Lane Scott, San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application October 20, 1930, Serial No. 489,736
1 Claim. (Cl. 251—158)



In combination in a valve assembly, a seat carrying member formed of chrome nickel steel, and a seat member supported therein and formed of aluminum steel, a valve closing member formed of aluminum steel and a carrying part therefor, formed of chromium nickel steel, the parts being assembled and subsequently nitrided, whereby the seat member and the closing member are provided with a nitrided case of extreme hardness and are further caused to expand within their respective holding parts.

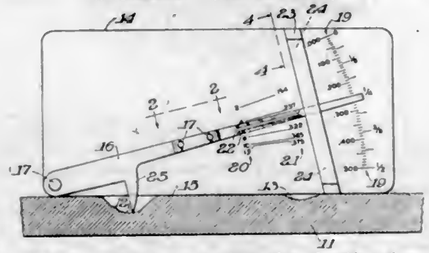
1,979,911
CAKE PLATE
Erich O. Steudel, Chicago, Ill.
Application November 21, 1932, Serial No. 643,644
7 Claims. (Cl. 65—15)

1. A device of the kind described comprised of a plate, said plate having a portion between its center and edge formed to provide a projection extending laterally of the plane of one side of said plate, said plate being formed to provide a plurality of projections extending laterally of the plane of the other side of said plate which are of a length to provide supports for said plate, the material surrounding said plurality of projections being in the same plane.



6. A plate for supporting a comomdity comprised of fibrous material formed with a plurality of hollow projections extending from the plate in a manner to provide a reenforcement and also support the plate in spaced relation to a surface upon which the plate is to be placed, and means formed between the projections and the edge of the plate providing the dual function of a reenforcement and means assisting to maintain a commodity in fixed relation to the plate.

1,979,912
TESTING DEVICE
J. Campbell Stirling, Tulsa, Okla., assignor to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine
Application June 22, 1933, Serial No. 677,042
2 Claims. (Cl. 33—172)

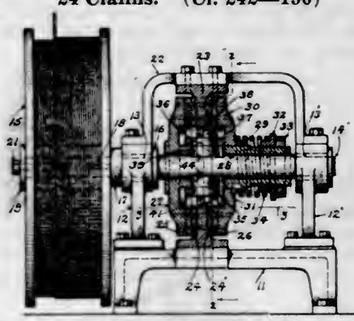


1. A device for measuring the depth of a corrosion pit in a metallic pipe, comprising a flat rigid plate bounded on its lower edge by a straight line, said edge being adapted to contact the outer surface of said metallic pipe in a position parallel to the axis of the pipe, a rigid indicator arm, a pivot rotatably connecting said indicator arm with said plate at a point near the lower edge of said plate, a series of indicia carried by said plate in cooperative relationship with said indicator arm for indicating the depth of said corrosion pit, a second series of indicia carried by said plate in cooperative relationship with said indicator arm for indicating dimensions of pipe for which the device may be used, said indicator arm being arranged to extend transversely across each of the said series of indicia and being arranged to indicate, at one edge of the arm, with respect to said first named series of indicia, the actual corrosion pit depth and to indicate at another point on one edge of said arm, with respect to said second named series of indicia, the pipe dimensions wherein the wall thickness is such as to permit the safe use of the pipe having corrosion pits of the depth measured at the first named edge of said indicator arm, and a contact finger for insertion in said corrosion pit carried by said indicator arm at a point intermediate said pivot and the two said series of indicia, said finger being in cooperative relationship with said arm and with said first mentioned series of indicia for measuring the depth of said corrosion pit when said lower edge of said plate is in substantially continuous contact with the outer surface of a metallic pipe and in a position parallel to the axis of said pipe and said finger is inserted in said corrosion pit.

1,979,913
CHROMIFEROUS AZO-DYESTUFFS AND PROCESS OF MAKING SAME
Fritz Straub, Basel, and Hermann Schneider, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 6, 1933, Serial No. 696,917. In Switzerland November 8, 1932
12 Claims. (Cl. 260—12)

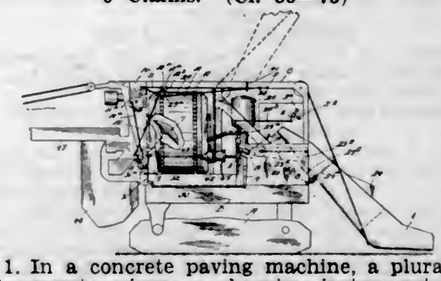
1. Process for the manufacture of chromiferous azo-dyestuffs by causing chromiferous azo-dyestuffs to react on the same azo-dyestuffs, but free from chromium, containing at least once the radical of a coupling component whose coupling carbon atom belongs to a six-membered carbon ring, consisting in conducting the reaction in an alkaline medium.

1,979,914
MECHANISM FOR CONTROLLING THE TENSION OF MATERIAL DRAWN FROM A ROLL
John R. Tomlin, Brooklyn, N. Y.
Application April 10, 1930, Serial No. 443,164
24 Claims. (Cl. 242—156)



1. In a device for controlling the rotation of an unwinding roll, a support for the roll, separate rotatable members limitedly movable relative to each other, one of said members being connected to the support, the extent of said relative movement by the separate rotatable members being controlled by the degree of turning effort applied to the roll, and means governed by the relative movement by the separate rotatable members, that act to retard their rotation as the turning effort is decreased.

1,979,915
SIDE BY SIDE DRUM MIXING MACHINE
Emil L. Tranaas, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application December 1, 1930, Serial No. 499,353
6 Claims. (Cl. 83—73)



1. In a concrete paving machine, a plurality of concrete mixers, a charging instrumentality

for said mixers movable from receiving to discharging position comprising a control member movable to cause the instrumentality to supply its contents to one mixer on each charging operation of the charging instrumentality, and then another mixer on the next operation of the charging instrumentality, mechanism to set the control member on each operation of the charging instrumentality automatically so that it will cause alternate charging of the mixers on successive operation of the charging instrumentality, discharge devices for the mixers, means interposed between the charging instrumentality and the said discharge devices to cause the discharge devices to alternately operate for the discharging of their respective mixers, means for synchronizing the action of the discharge devices with the action of the control member of the charging instrumentality, operating mechanism for moving the charging instrumentality to its charging position, mechanism to connect said operating mechanism with the charging instrumentality to move the latter to charging position, and means to synchronize the action of said operating mechanism with the actions of the discharging devices so that automatic action of the operating mechnism may be effected, and manual means whereby to manually initiate the action of the operating mechanism preliminary to synchronization of the working of said operating mechanism with respect to the discharging devices.

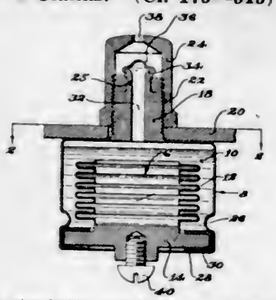
1,979,916

ELECTROLYTIC CONDENSER

Howard J. Tyzzer, Melrose, Mass., assignor to Electro Formation, Inc., Medford, Mass., a corporation of Ohio

Application November 13, 1930, Serial No. 495,378

4 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a filming anode, a container forming a cathode, means for supporting the anode within the container, an upstanding boss adapted to project through a panel and having a vent, and securing means engaging with the boss for attaching the condenser to the panel and protecting the vent.

1,979,917

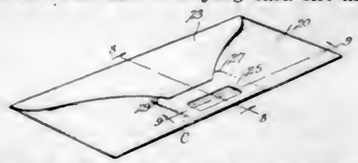
ENVELOPE CONTAINER

William H. Vaughn, Augusta, Ga., assignor to Nu-Wa Service Company, Milledgeville, Ga., a corporation of Georgia

Application April 27, 1932, Serial No. 607,825

6 Claims. (Cl. 229—72)

1. A container of the class described having a mouth to receive the contents proper thereof, one wall of the container having a slit, said wall having a window adjacent said slit, supporting means on the container spaced from and cooperating with the slit to fixedly position behind said window insertable and removable matter separate from the contents proper of the container, and a closure flap for closing the mouth of the container and overlying said slit and said



matter retained thereby without obstructing said window.

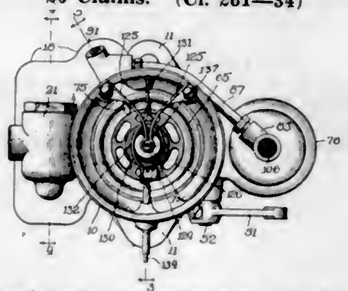
1,979,918

CARBURETOR

Gunnar A. Wahlmark, Rockford, Ill., assignor of one-third to Ernest J. Svenson and one-third to Charles H. Rystrom, both of Rockford, Ill.

Application April 30, 1931, Serial No. 534,003

20 Claims. (Cl. 261—34)



1. A carburetor comprising, in combination, a tubular casing having a vertical passage therethrough, fuel discharge means positioned substantially centrally in said passage, a fuel reservoir, means for supplying fuel to said discharge means, a throttle movable longitudinally in said passage for controlling the flow of fuel and air therethrough, means for actuating said throttle including a lever pivotally mounted on said casing, and means for supplying premixed quantities of fuel and air to said passage upon actuation of said throttle to increase the engine's speed comprising a cylinder supported in a vertical position on one side of said casing with its lower end in communication with said passage, a piston in said cylinder, means for connecting said piston for actuation by said lever comprising a slidably mounted rod adapted to engage the under side of the piston, and a coiled spring intermediate the upper end of said rod and the piston, means forming an auxiliary chamber in said fuel reservoir having an opening in the bottom thereof for admitting fuel, valve means for preventing fuel from flowing out of said chamber into the reservoir, a conduit connecting said cylinder with said chamber so that movement of said piston upwardly will increase the pressure in said chamber, means providing a duct from the lower portion of said chamber to said passage at a point above said fuel discharge means through which fuel is forced, and means intermediate said conduit and passage for mixing air with said fuel prior to its discharge into said passage.

1,979,919

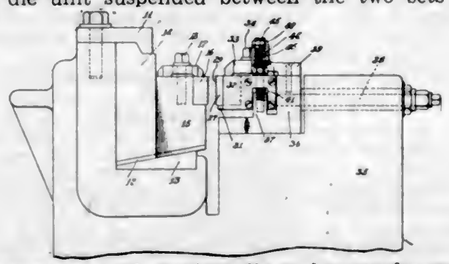
MACHINE FOR ROLLING SCREW THREADS

Glenn H. Wayne, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application January 13, 1933, Serial No. 651,476

6 Claims. (Cl. 80—9)

1. In an apparatus for rolling screw threads, and in combination, a support, two sets of oppositely disposed springs carried by said support, a die unit suspended between the two sets of



springs, a complementary die, and means for causing relative movement between said dies to roll a blank between the same.

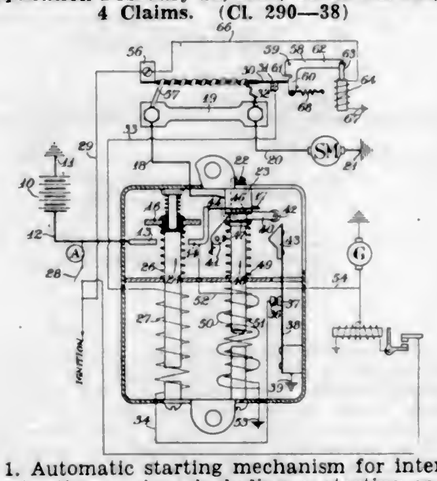
1,979,920

AUTOMATIC STARTING MECHANISM

Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application February 24, 1931, Serial No. 518,012

4 Claims. (Cl. 290—38)



1. Automatic starting mechanism for internal combustion engines including a starting motor circuit having an automatic starting switch, a control circuit for said starting switch having a manual switch therein, means responsive to an overload on the starting circuit for breaking said control circuit, and means controlled by said manual switch for maintaining said break in the control circuit.

1,979,921

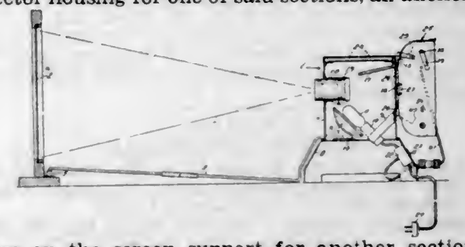
PROJECTING APPARATUS

Albert E. Wier, Brooklyn, N. Y.

Application August 30, 1933, Serial No. 687,389

11 Claims. (Cl. 88—28)

1. An apparatus for projecting reading matter, illustrations, or the like comprising, in combination, a projector housing having an aperature in one wall thereof, a casing supported on said housing closely adjacent to said aperture, means in said casing for supporting a roll having reproducible matter thereon, means for continuously feeding said reproducible matter past said aperture, a portable screen, a support therefor, mechanism in said projector housing for projecting on said screen the reproducible matter exposed through said aperture, and means for detachably positioning the screen with respect to the projector housing at a definite predetermined distance therefrom, said means comprising separable sections, an anchorage on the projector housing for one of said sections, an anchor-



age on the screen support for another section, and anchoring means between the several sections intermediate of the anchored ends thereof.

1,979,922

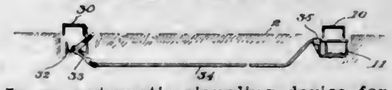
AUTOMATIC ROAD SIGNAL

Howard C. Williams, Kentwood, La.

Application October 15, 1930, Serial No. 488,922

Renewed April 9, 1934

2 Claims. (Cl. 177—329)



1. In an automatic signaling device for roadways, a pair of suitably spaced, vehicle-operated arms mounted across a roadway, springs normally holding said arms in elevated positions, a rod normally disposed beneath one of said arms for locking it in raised position, means for supporting the rod, means associated with the other arm for moving said rod to release the first-mentioned arm whereby the first-mentioned arm may be depressed against the action of said springs, a road device capable of actuation and means operated by depression of the first-mentioned arm for actuating said road device.

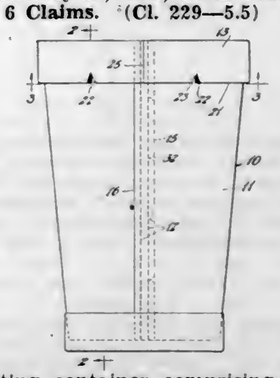
1,979,923

PAPER CAN

James G. Witte, Keokuk, Iowa, assignor of one-half to Iowa Fiber Box Company, Keokuk, Iowa, a corporation of Delaware, and one-half to South West Box Company, Sand Springs, Okla., a corporation of Delaware

Application July 29, 1932, Serial No. 626,131

6 Claims. (Cl. 229—5.5)



1. A nesting container comprising a frustoconical body made of a single sheet of paper whose edges are overlapped and secured together; an outer cylindrical collar integral with and bent downwardly from the upper edge of the body; an annular flange providing a shoulder integral with and bent inwardly from the lower edge of the

collar; an upright portion bent upwardly from the inner edge of the flange and abutting against the side wall of the body; a second upright portion bent downwardly from the upper end of the first upright portion and abutting the inside face of the collar; said shoulder and adjacent upright portions of the collar having upwardly extending notches therein.

1,979,924

BAKING RECEPTACLE

George G. Young, Kansas City, Mo., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

Application February 23, 1932, Serial No. 594,489

3 Claims. (Cl. 53—6)



1. A baking receptacle comprising a frame forming the side and end walls of the receptacle, and provided with a bottom formed of two sheets of wire mesh placed one upon the other, the upper sheet being of fine mesh and the lower sheet of coarser mesh, the edge portions of the sheets being bent upwardly against and secured to the outer faces of the ends and sides of the receptacle, and a continuous band extending around the receptacle covering said up turned edge portions of the sheets, the wire mesh bottom of the receptacle being adapted to be placed in direct contact upon a hearth or oven bottom.

1,979,925

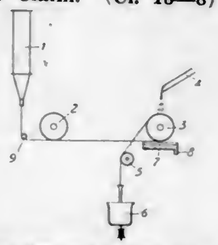
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL THREADS FROM CUPRAMMONIUM SOLUTION

Arthur Zart and Franz Hoelkeskamp, Barmen-Rittershausen, Germany, assignors to American Bemberg Corporation, New York, N. Y.

Application September 6, 1928, Serial No. 304,208

In Germany October 20, 1927

1 Claim. (Cl. 18—8)



An apparatus for the production of extremely fine and highly tear-resistant artificial threads by the copper oxide ammonia stretch spinning process, comprising a stetch spinning apparatus in which the thread is preliminarily coagulated in a flowing precipitating liquid, a stetching device composed of positively driven rollers disposed in the open air beyond the spinning apparatus, said rollers and the path of travel of the filaments being so arranged relative to each other as to avoid slipping between the filaments and the rollers and being operated at such relative speeds as to give a definite predetermined stetch to the filaments therebetween, a fixed guiding means positioned between the spinning apparatus and the first drawing roller to prevent transmission of the drawing force to the filaments within the nozzle, and means for applying a hardening liquid to the filaments at the last stretching roller.

1,979,926

WATER SOFTENER

Robert E. Zinn, Chicago Heights, Ill., assignor to Victor Chemical Works, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 5, 1933, Serial No. 688,268

5 Claims. (Cl. 210—23)

1. A water softener comprising a flake having a thickness of the order of .001 of an inch substantially of a compound of the class consisting of alkali metal meta and pyrophosphates and mixtures thereof, and having spotted on the surface thereof a minor proportion of crystals of a compound of the class consisting of alkali metal orthophosphates and carbonates.

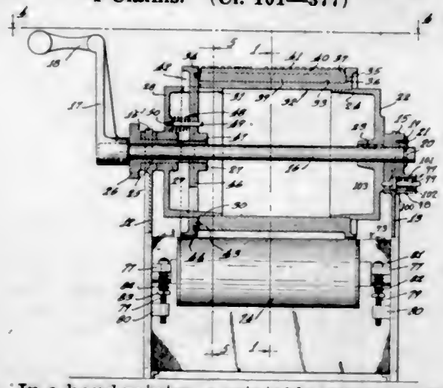
1,979,927

HAND PRINTER

Edwin Anderson, Los Angeles, Calif., assignor to Francis Hann, Los Angeles, Calif.

Application July 30, 1932, Serial No. 626,716

4 Claims. (Cl. 101—377)



1. In a hand printer, a rotatable printing cylinder mounted on a shaft, said cylinder having longitudinal grooves open at one end and having a closure flange at the opposite end, said flange being undercut, a pressure ring mounted on the shaft to rotate with the cylinder, and means to move said ring longitudinally of the cylinder to exert a pressure on the ends of the type bars in the grooves to press said bars against the undercut portion of the flange, the means to move the pressure ring comprising a bushing on the shaft, the ring having a hub threaded on the bushing, and a finger grip head to rotate the bushing.

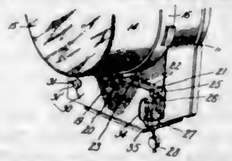
1,979,928

METER SEALING DEVICE

Hans A. Bakke, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application October 13, 1933, Serial No. 693,528

6 Claims. (Cl. 171—34)



5. A meter casing having a base portion provided with meter and terminal chambers, a cover for said meter chamber adapted to be secured to said base portion by a twisting movement in a given direction, a cover for said terminal chamber adapted to be secured to said base portion by movement in a given direction, and a single locking member movable to a locking position, adapted when in such position to engage both of said covers preventing movement thereof in unlocking directions and adapted to receive sealing means preventing movement of said member from its locking position.

1,979,929

PROCESS OF TREATING ARTIFICIAL THREADS

Thomas F. Banigan, Buffalo, N. Y., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware

No Drawing. Application February 12, 1930, Serial No. 427,962

4 Claims. (Cl. 18—54)

1. In a method of producing artificial thread by the viscose process, the steps of washing a cake of thread, drying said cake, immersing said cake in a purifying solution and maintaining the cake in said solution until the desired results have been obtained without employing any additional operations to induce the flow of said solution through said cake.

1,979,930

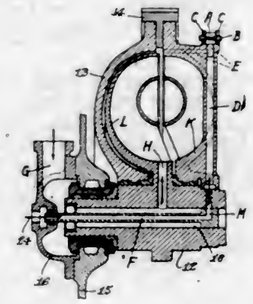
POWER TRANSMITTER

Gustav Bauer, Hamburg, and Carl Schmieske, Bremen, Germany

Application May 11, 1933, Serial No. 670,530

In Germany May 11, 1932

10 Claims. (Cl. 60—54)



7. A hydraulic coupling having driving and driven members providing a liquid circuit, means for supplying liquid to said circuit, one of said members having a discharge port for liquid from said circuit, a double flap valve pivoted intermediate of its ends and having one end portion serving to open or close said port, and means independent of the supply of liquid to said circuit for delivering fluid into engagement with the other end of said flap valve to move said valve and control said discharge port.

1,979,931

SWAGING HAMMER

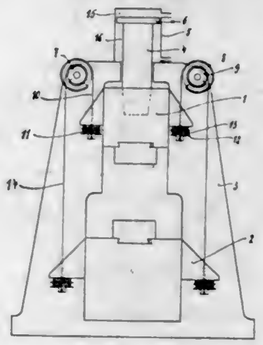
Hans Bêché, Huckeswagen, Germany

Application October 19, 1932, Serial No. 638,438

In Germany March 4, 1932

9 Claims. (Cl. 78—20)

1. A swaging hammer comprising swages mounted to move against each other in alignment with each other, driving means connected to one of said swages, and a flexible solely tensile-force transmitting means interposed between and connecting said swages, whereby some of the force applied to the swage connected with the driving means is transmitted to the other swage, and the material operated upon between the swages is subjected to equal energy from both swages.



1,979,932

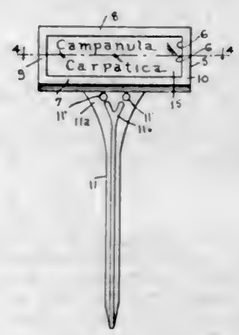
WEATHERPROOF PLANT LABEL HOLDER

Edwin Beckett, Purchase, N. Y.

Application October 22, 1932, Serial No. 639,056

Renewed March 29, 1934

8 Claims. (Cl. 40—10)



1. A plant label holder, consisting of a frame case and a standard constructed of a single piece of weather resisting metal, the frame case being provided with an open window and with box-like side walls forming a closure, and means for holding a plant label in said frame case to expose the same to view through the window, which means provides water excluding protection therefor.

1,979,933

SAFETY DEVICE FOR GAS MAINS

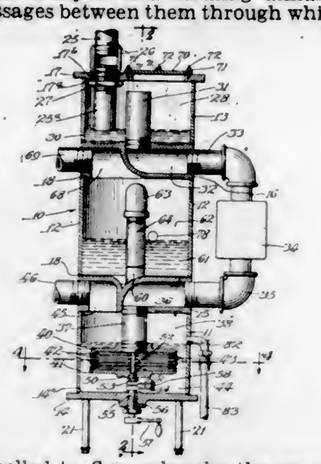
Hubert Beddoes and Harry E. Schlenz, Chicago, Ill., assignors to Pacific Flush Tank Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1931, Serial No. 554,234

12 Claims. (Cl. 48—192)

1. The combination with a conduit for combustible gas, of a safety device connected in said conduit and comprising a vessel adapted to contain a liquid a plurality of annular spaced members

immersed in a liquid and forming annular restricted passages between them through which the



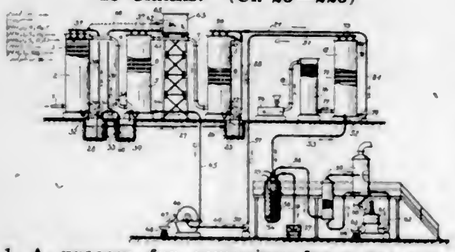
gas is compelled to flow, whereby the passage of a flame through said conduit is prevented.

1,979,934

PROCESS FOR THE REMOVAL OF AMMONIA AND HYDROGEN SULPHIDE FROM GASES

Christian Johannes Hansen, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware

Application July 30, 1931, Serial No. 554,146
In Germany July 31, 1930
15 Claims. (Cl. 23—225)



1. A process for removing from gases ammonia and hydrogen sulphide comprising the bringing into contact in one stage the gas to be treated with a solution of ammonium polythionates showing an acid reaction, bringing into contact in the second stage, the gas to be treated with a solution of ammonium polythionate, showing an alkaline reaction and bringing into contact, in a final stage, the gas to be treated with a solution of polythionates showing an acid reaction.

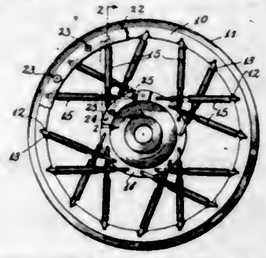
1,979,935

HYDRAULIC SPOKE WHEEL

Michael Hénap, New York, N. Y.

Application April 7, 1934, Serial No. 719,444
3 Claims. (Cl. 152—47)

1. A hydraulic spoked wheel, comprising a felloe for a tire on the outer side thereof and having an inner side having recesses for receiving stud ends of hydraulic spokes, a hub for the wheel having an outer side having recesses for receiving stem ends of said hydraulic spokes, fastening elements for the stem ends in the recesses in the said hub, hydraulic spokes having studs on one of their ends engaging in the recesses of said felloe and stems on the other of their ends engaging on said fastening elements, and cooperative means on said fastening elements and stems for holding them joined in normal positions of



the stems upon the wheel and laterally disconnectible by moving the stems free from the fastening elements in turned positions of the stems.

1,979,936

METHOD OF COATING AND THE PRODUCT RESULTING THEREFROM

Otto Herrmann, Wiesbaden, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 22, 1931, Serial No. 546,149. In Germany June 30, 1930
8 Claims. (Cl. 91—70)

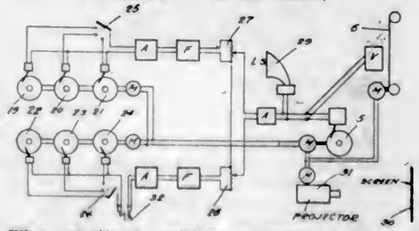
1. A process of preparing coated materials which comprises applying a coating composition to a sheet or film of regenerated cellulose in the presence of formamide and drying the coated material at an elevated temperature to evaporate the volatile solvent of the coating composition, the formamide remaining in the product and imparting flexibility thereto.

1,979,937

SOUND ACCOMPANIMENT FOR COMPOSITE MOTION PICTURES

Fred W. Jackman, Beverly Hills, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application May 23, 1931, Serial No. 539,487
7 Claims. (Cl. 88—16.2)



3. The method which comprises recording sound appropriate to a background scene, recording sound appropriate to a foreground scene, projecting said background and foreground scenes and mixing said recordings in accordance therewith.

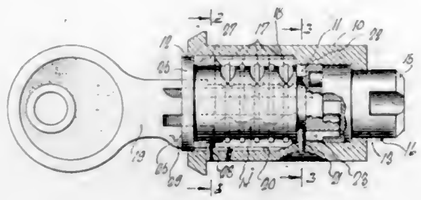
1,979,938

LOCK

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application September 6, 1929, Serial No. 390,737
4 Claims. (Cl. 70—46)

1. In a lock device of the character described, a bored mounting member, a lock cylinder adapted to receive a key and being movable into and out of the mounting member bore when in a predetermined relative position with respect to the mounting member, locking means normally projected beyond the periphery of the lock cylinder and being retractible by the insertion of the proper key, movement of the lock cylinder into and out of the bore necessitating the retraction of the



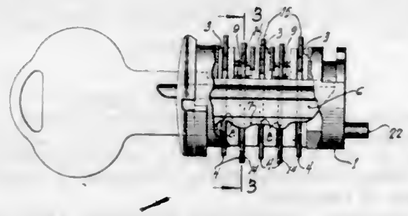
locking means within the periphery of the lock cylinder, and means carried by the mounting member for moving the locking means to said retracted position upon movement of the lock cylinder into the mounting member bore, whereby the lock cylinder may be inserted without the use of a key.

1,979,939

TUMBLER LOCK AND METHOD OF FITTING THE SAME TO A PREDETERMINED KEY CHANGE

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application June 29, 1931, Serial No. 547,513
17 Claims. (Cl. 29—148)



10. The method of fitting a tumbler lock to a desired key change which comprises, forming the tumblers of the lock of greater length than the diameter of its cylinder, inserting the desired key in the lock to move the tumblers to their proper positions, holding the cylinder against movement, and simultaneously applying shearing stress to the opposite edges of the opposite tumblers at both their ends to shear off their projected ends.

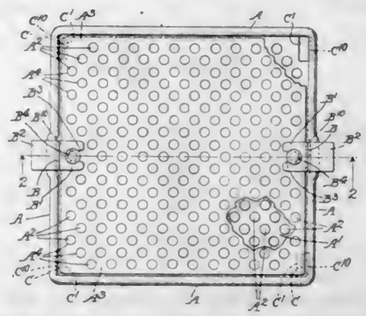
1,979,940

CAKE DRIER

Peter A. Janssens, Chicago, Ill.

Original application September 16, 1932, Serial No. 633,529. Divided and this application February 1, 1934, Serial No. 709,364
12 Claims. (Cl. 53—6)

1. In a cake drier, a circumferential side member and a compound bottom member, said bottom member including an upper portion provided with a plurality of apertures and a lower portion provided with projections penetrating said apertures, said lower portion being permanently attached to



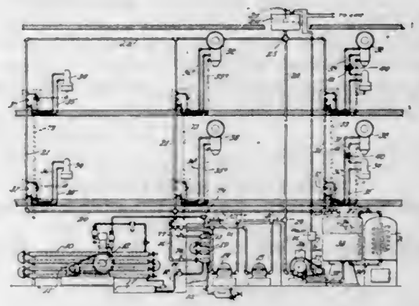
the side member, said upper portion being readily removable upwardly from the lower portion.

1,979,941

AIR CONDITIONING AND DISPENSING SYSTEM

Ira H. Jewell, Evanston, Ill.

Application August 19, 1932, Serial No. 629,506
5 Claims. (Cl. 62—128)



1. In a system for delivering drinking liquids to, and air-conditioning rooms of, a building, the combination with a closed circuit for liquids containing liquid-cooling apparatus and circulating means therein so that cold liquid is constantly circulating through the system, of a plurality of liquid delivery devices therein for dispensing the cold liquid from the circuit in different rooms connected to said closed circuit through which the liquid constantly circulates, and a plurality of air-conditioning devices connected to said closed circuit and located in different rooms, the temperature-controlling factor of which is furnished by the cold liquid circulating through the closed circuit containing the liquid delivery devices.

1,979,942

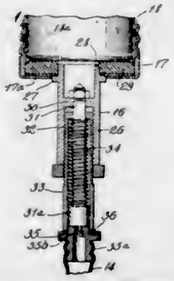
FLASH LIGHT OPERATING DEVICE

Everard Leroy Johnson, Patchogue, and Horace Willard Comfort, Blue Point, N. Y.

Application December 15, 1932, Serial No. 647,366
14 Claims. (Cl. 67—29)

5. The combination with the tubular casing of a battery holder of the class described of a switch device for opening and closing the battery circuit, said device comprising a cap in threaded engagement with the casing, said switch device including relatively adjustable tubes projecting

axially from one end of the battery casing, a plunger switch rod in said tubes, means for normally supporting the rod in open circuit position,



and means detachable with respect to one of said tubes adapted to actuate said rod to move the same into closed circuit position.

1,979,943

LUBRICATING GREASE

Edwin N. Klemgard, Martinez, Calif., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 28, 1930, Serial No. 471,427

6 Claims. (Cl. 87—9)

1. A substantially water free lubricating grease comprising mineral lubricating oil, aluminum soap of a higher fatty acid in a quantity sufficient to give the compound the consistency of a grease, and a sufficient quantity of uncoagulated rubber from latex to stabilize the grease.

1,979,944

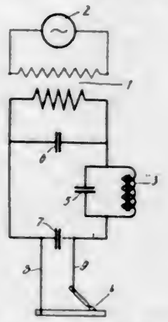
ELECTRIC ARC WELDING

Hans Kost, Bergen, Germany, assignor to Ewald Schniewind, New York, N. Y.

Application August 6, 1932, Serial No. 627,747

In Germany August 14, 1931

13 Claims. (Cl. 219—8)



1. Means for maintaining an alternating current arc for arc welding, comprising a welding transformer connected to the alternating current supply, a welding circuit including the secondary transformer winding, the arc and a current limiting impedance, and a capacity connected in parallel to said impedance, said capacity being suitably dimensioned to form with said impedance an oscillatory circuit resonant to high frequency oscillations generated in it by the impulse due to the extinction of the arc, for superposing upon the arc in its state of extinction voltages at said frequencies, capable of re-igniting and maintaining said arc.

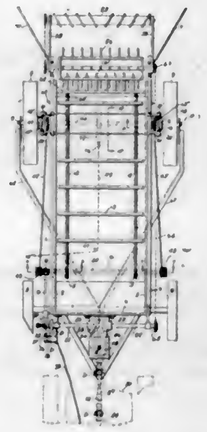
1,979,945

MANURE LOADER AND SPREADER

Frank N. G. Kranick, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation

Application November 12, 1931, Serial No. 574,473

13 Claims. (Cl. 275—1)



1. In a combined manure loader and spreader, a receptacle, a conveyer in the receptacle, supporting wheels, stub axles upon which the wheels are mounted, means for raising and lowering the receptacle in relation to said axles, means for actuating the conveyer forwardly to load and rearwardly to unload said receptacle, means for actuating the conveyor intermittently, and means for loading the receptacle as the conveyer moves forwardly and for distributing material as the conveyer moves rearwardly and unloads the receptacle.

1,979,946

PRODUCTION OF TIRES

Carl Krauch and Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application August 30, 1928, Serial No. 303,114. In Germany October 20, 1927

16 Claims. (Cl. 154—14)

1. The process of producing tires which comprises forming the tire of a composition containing a substantial proportion of a plastic polymerization product of butadiene and vulcanizing the tire so formed.

1,979,947

RESILIENT TIRE

Carl Krauch and Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 3, 1930, Serial No. 441,417. In Germany October 20, 1927

4 Claims. (Cl. 154—14)

1. The process of manufacturing tires which comprises building the carcass of the tire with rubber in the conventional manner, applying thereto a tread composed predominantly of a plastic polymerization product of butadiene and vulcanizing the tire so formed.

1,979,948

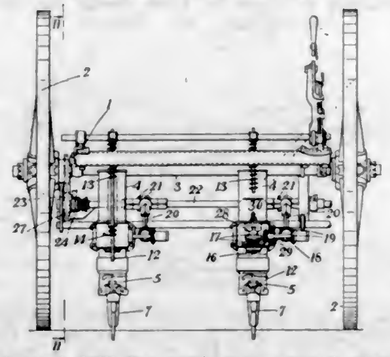
SEED DRILL

Hugh Martin Leake, Cambridge, England

Application April 11, 1934, Serial No. 719,991

In Great Britain April 12, 1933

7 Claims. (Cl. 111—34)



1. A seed drill for sowing measured quantities of seed at spaced intervals and comprising a seed hopper, a distributor box to which said seed hopper is adapted to deliver seed and having a discharge aperture in its peripheral wall, a rotary seed distributor within said box and having a pocket at its periphery adapted to register at intervals with the said discharge aperture, means for rotating said distributor, baffle means adapted to ensure that on registration of said pocket with said discharge aperture only the seed in the pocket is discharged, and means adapted to vibrate said distributor along the axis about which it rotates.

1,979,949

METER BOX

Morgan J. Lewis, Massillon, Ohio, assignor to The Code Electric Products Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application September 15, 1931, Serial No. 562,855

2 Claims. (Cl. 247—2)



1. An electric meter housing comprising a rectangular metal box the side walls of which are parted on diagonal lines extending from top to bottom and located intermediate the front and rear walls of the box to form the box into front and rear sections, the bottom being parted along a line joining the lower ends of the side parting lines, the top of the box being carried on the front section and engaging the upper ends of the sides and rear wall of the rear section to support the front section and downwardly extending perforated lips on the two portions of the bottom by means of which the two sections may be locked together.

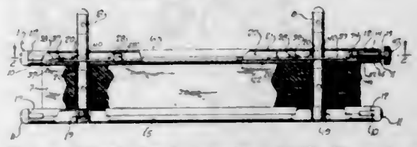
1,979,950

LOOSE LEAF BINDER

Adolph G. Lotter, Milwaukee, Wis., assignor to Stationers Loose Leaf Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 2, 1933, Serial No. 659,252

8 Claims. (Cl. 129—12)



4. In a loose leaf binder including spaced posts and a binder head having openings to loosely receive the posts, locking mechanism to secure the binder head to the posts comprising, a locking member for each post, said locking members being movable in the same direction parallel to the longitudinal axis of the binder head to clamp their respective posts against the opposite peripheral edge portions of the openings in which they are received, actuating means at one end of the binder head, and a connection between said actuating means and each of said locking members adjacent said end of the binder head, said connection comprising, a cross piece pivotally connected at its opposite ends to the locking members, and a screw threaded in a part fixed with respect to the binder head and loosely connected to said cross piece.

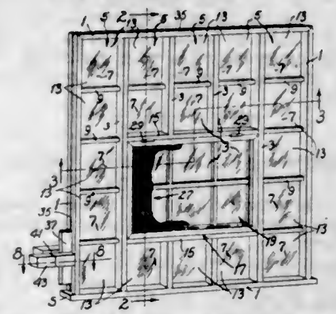
1,979,951

SASH

Carlos E. Lyon, Decatur, Ill., assignor to G. S. Lyon & Sons Lumber & Mfg. Co., Decatur, Ill., a corporation of Illinois

Application May 9, 1932, Serial No. 610,110

4 Claims. (Cl. 20—40)



1. A wooden sash comprising a frame adapted to be placed within a wall opening, labyrinth means extending from said frame and into said wall, and fasteners for holding said labyrinth means to the frame, said fasteners being adapted to be manipulated without damaging the frame, to permit of freeing of said labyrinth means.

1,979,952

REFLECTOMETER

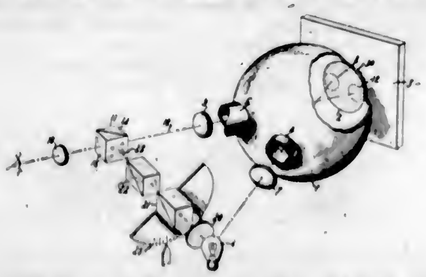
Frank A. Benford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 16, 1933, Serial No. 698,279

4 Claims. (Cl. 88—23)

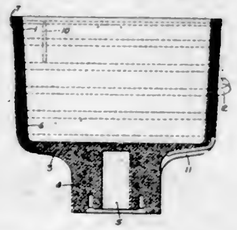
1. A reflectometer comprising an integrating sphere having an aperture adapted to be covered by a test surface and having means by which light may be introduced thereinto and may escape

therefrom, means for comparing light received from said sphere and light from another source



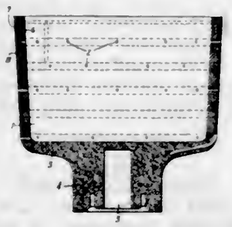
and means for diffusing the light reflected into said aperture by a test surface.

1,979,953
CENTRIFUGE BUCKET
Sven R. Bergman, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application July 13, 1932, Serial No. 622,272
5 Claims. (Cl. 118—49)



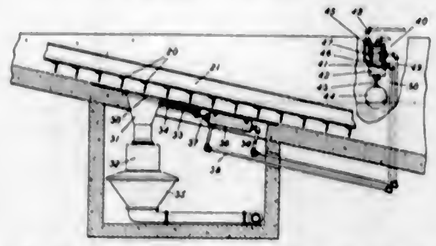
1. A centrifuge bucket comprising non-metallic side walls of acid resisting material, and a metallic reinforcing member wound on the outer surface of said side walls, the turns of said member being covered with acid resisting material which is integrally united to the material of the side walls.

1,979,954
METHOD OF MANUFACTURING CENTRIFUGE BUCKETS
Sven R. Bergman, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Original application July 13, 1932, Serial No. 622,272. Divided and this application October 24, 1933, Serial No. 694,979
4 Claims. (Cl. 18—59)



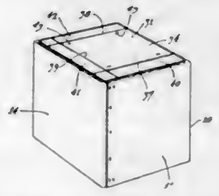
1. The method of manufacturing a centrifuge bucket which comprises making a preform from moldable material, winding successive turns of metal covered with acid resisting material on the preform, winding thin tape on the preform over the metal, and molding the structure thus formed under heat and pressure.

1,979,955
DETRITING APPARATUS
Edmund B. Besselievre, Spring Lake, N. J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application October 25, 1930, Serial No. 491,126
6 Claims. (Cl. 210—3)



1. In an apparatus of the character described, the combination with a settling chamber having a sloping bottom, said bottom having a discharge opening above the normal fluid level of the compartment, automatically operable means opening and closing said opening, and means for raking material to said opening when open and past said opening when closed.

1,979,956
BOX
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application December 18, 1930, Serial No. 503,183
13 Claims. (Cl. 229—23)

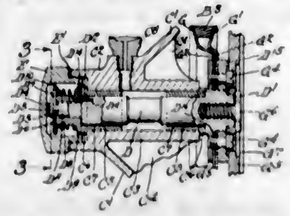


1. A box comprising a body open at the upper portion thereof and provided with inwardly projecting flaps along the edges of the upper open portion of the box, a closure for the box including a cover adapted to underlie said flaps, and a top adapted to overlie all of said flaps, said top being scored along lines parallel to some of the edges thereof to provide tabs of a width corresponding to that of said flaps, said top being secured to said cover inwardly of said score lines, said tabs being foldable along said score lines to clear said flaps during the insertion thereof between said tabs and cover.

1,979,957
SLICING MACHINE
William J. Campbell, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a corporation of New York
Original application September 16, 1932, Serial No. 633,522. Divided and this application April 27, 1933, Serial No. 668,161
5 Claims. (Cl. 308—163)

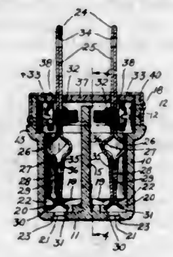
3. In combination, a shaft and means for rotating it, an outer sleeve surrounding said shaft, a plurality of closed bearing sleeves mounted one at each end of the outer sleeve, each such bearing

sleeve having cylindrical exterior and interior surfaces, and being provided with a flange adapted to engage the end of the outer sleeve and limit the penetration of said bearing sleeve within said outer sleeve, an enlargement on one end of said knife shaft adapted to engage one of said flanges,



a thrust member axially movable in relation to the other end of said shaft and yielding means for thrusting it against the opposite of said flanges, including an abutment on the shaft, and a coil spring surrounding the shaft and compressed between the thrust ring and the abutment.

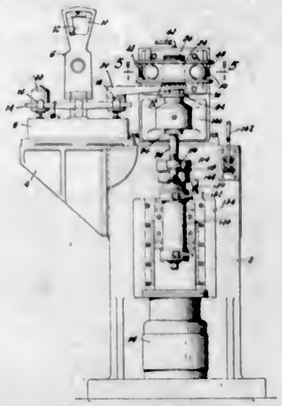
1,979,958
ELECTRICAL PLUG DEVICE
Lancaster P. Clark, Jr., Fairfield, Conn.
Application April 13, 1932, Serial No. 604,947
7 Claims. (Cl. 173—334)



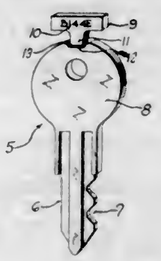
1. In an electrical plug device, a housing of insulating material having a plug receiving opening, and a metallic plug and resilient contact unit carried in said housing, comprising a single strip of metal bent upon itself for a portion of its length to form a double thickness plug portion adapted to project from said housing the two sides of said strip being bent outwardly adjacent the base of said double thickness plug portion symmetrically at each side of the central plane of said plug portion to form outwardly movable springy portions and being extended from said springy portions to form a pair of single thickness contact portions, said contact portions being disposed in relation to said plug receiving opening to receive a plug between them.

1,979,959
PISTON BALANCING MACHINE
John G. Coleman, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 17, 1931, Serial No. 557,550
13 Claims. (Cl. 77—1)

1. In a machine for balancing pistons, a chuck, means in the machine for weighing and positioning the pistons in the chuck in different positions according to the weight of the piston, said chuck adapted to grip and hold the piston in said position dictated by the weighing means, and means in the machine having a fixed path of movement for turning off a portion of the metal from the interior of the piston while the piston is being held in the chuck in said position to diminish the piston's weight to a substantially predetermined amount.



1,979,960
KEY
Charles L. Coughlin, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 10, 1934, Serial No. 710,673
11 Claims. (Cl. 40—2)

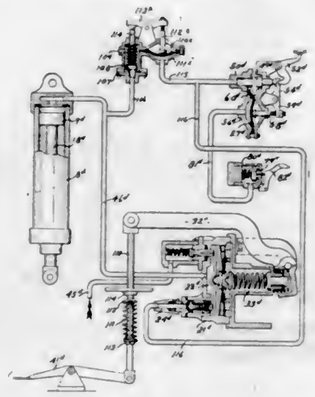


2. In a key having a shank insertable into a lock and an external portion which is located outside the lock when the key is in the lock, a part projecting beyond the regular periphery of said external portion of the key and having means to identify the key, said part being attached to the external portion of the key proper by a restricted throat so that said part may be readily broken off.

1,979,961
METHOD OF PREVENTING CORROSION AND CORROSION RESISTING JOINTS
Christian Dantsizen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 6, 1931, Serial No. 520,754
5 Claims. (Cl. 285—111)

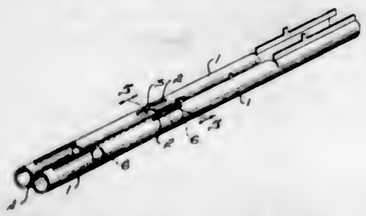
1. A method of preventing corrosion between unlike metals which comprises suitably joining said metals, taping the joint with a solid tape of cellulose ester and causing said ester to shrink around said joint to form a tightly adhering, impervious film thereon.

1,979,962
GARMENT OR IRONING PRESS
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application August 14, 1929, Serial No. 385,794
Renewed August 10, 1933
13 Claims. (Cl. 68—9)



12. Operating mechanism for a garment or ironing press comprising, a motor, operator-operated control means for supplying working fluid to the motor, pressure regulating means connected with the motor and rendered inoperable when the operator-operated control means is actuated, the pressure regulating means having a check valve means through which working fluid above a determined degree of pressure may normally exhaust, the check valve means being operable when the operator-operated control means is operated to cut off the supply of working fluid to the motor.

1,979,963
POPGUN BARREL
Arnold J. Decker and John Gora, Wyandotte, Mich., assignors to All Metal Products Company, Wyandotte, Mich., a corporation of Michigan
Application December 28, 1933, Serial No. 704,230
2 Claims. (Cl. 46—46)



1. A popgun barrel comprising a metal sheet having parallel edges, the parallel edges being rolled inwardly toward the center of the sheet to provide a double barrel, each barrel being provided with a pair of extending lugs, a sheet metal cylindrical insert in each barrel, each insert being provided with an aperture having a pair of notches and the lugs of each barrel being pressed into the notches of the respective cylindrical insert to prevent longitudinal or rotary movement of the insert in relation to the barrel.

1,979,964
QUANTITATIVE SPECTRAL ANALYSIS
Ora S. Duffendack and Ralph A. Wolfe, Ann Arbor, Mich.
Application March 14, 1932, Serial No. 598,791
11 Claims. (Cl. 88—14)



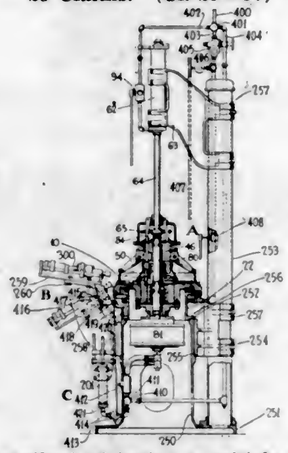
1. The method of quantitative spectroscopic analysis which comprises the following steps: establishing an arc current between electrodes comprising the unknown material of a value such that the intensity of spectral lines does not vary materially with unavoidable fluctuations in arc current, recording the spectrum of the arc, measuring the ratio of intensities of a pair of lines in the spectrum by comparison of the strengths of the corresponding recorded lines, repeating the process with a series of electrodes containing the same kind of material but of known analysis, making use of the same spectral lines, evaluating the ratio of intensities obtained from the unknown material in terms of percentage of an element producing one of the lines by comparing the ratio of intensity of the unknown with the ratio of intensity of said known specimens.

1,979,965
OXYGEN CUTTING APPARATUS
Charles T. Evans, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1932, Serial No. 646,086
6 Claims. (Cl. 266—23)



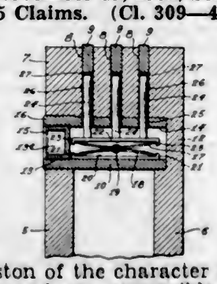
1. In oxygen cutting apparatus of the class wherein a jet of cutting oxygen is directed against the work by a torch having a conduit through which the oxygen is delivered to the jet, the combination of an electrical switch having an arm, a valve for controlling the supply of cutting oxygen through said conduit, and a turning element connected with the valve, said element having separated faces alternately in sliding and pushing contact with said arm.

1,979,966
WIRE WHEEL TRUING MACHINE AND METHCD
Warren H. Farr, Carolus L. Eksergian, and Obed E. Smith, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 5, 1930, Serial No. 479,842
29 Claims. (Cl. 29—87)



1. The method of truing a vehicle wheel consisting of a hub member, a rim member, and a series of spokes and nipples therefor interconnecting said hub and rim members, which comprises simultaneously tightening a plurality of the spokes by rotating the nipples thereof, said spokes being individually tightened by means of fluid pressure from a common source.

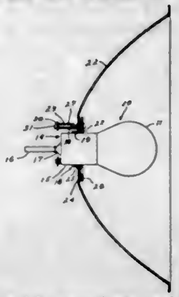
1,979,967
PISTON
Louis Freedman, St. Louis, Mo.; William K. Frielingsdorf administrator of said Louis Freedman, deceased
Application November 19, 1932, Serial No. 643,355
5 Claims. (Cl. 309—41)



1. In a piston of the character described having a body and an expansible packing ring mounted therein, a casing removably mounted in the body, an expanding device in said casing, and a thrust member extending through a side wall of said casing and operatively connecting the ring with the expanding device.

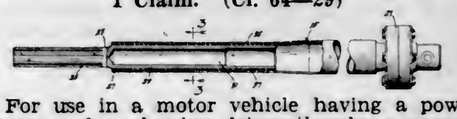
1,979,968
ELECTRIC PROJECTION LAMP
Walter J. Geiger and Alfred T. Gaskill, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application June 14, 1933, Serial No. 675,734
5 Claims. (Cl. 240—41)

1. The combination of a lamp comprising a base having a transversely extending projection thereon, a reflector having an opening therein for said lamp base, and a retaining ring resiliently mounted on the inside of said reflector at



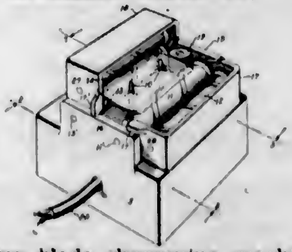
the margin of said opening, said retaining ring comprising means for engaging said lamp base projection and holding it against said reflector.

1,979,969
PROPELLER SHAFT WITH RUBBER CUSHION
Harvey D. Geyer, Dayton, Ohio, assignor to Inland Manufacturing Company, Dayton, Ohio, a corporation of Delaware
Application August 17, 1931, Serial No. 557,554
1 Claim. (Cl. 64—29)



For use in a motor vehicle having a power source and mechanism driven thereby, a propeller shaft adapted to transmit the power from said source to said mechanism, said propeller shaft comprising an inner shaft member, an outer tubular shaft member of substantially uniform diameter coaxially surrounding a substantial part of said inner shaft member and spaced therefrom a distance which is small relative to the shaft diameter a rubber ring under radial compression and axial elongation between said shaft members and adapted to deliver driving torque from one to the other of said shaft members, to absorb vibration, and to prevent noise.

1,979,970
RAZOR BLADE SHARPENING MACHINE
Emery G. Gilson, Colonie, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1931, Serial No. 558,902
18 Claims. (Cl. 51—80)



1. A razor blade sharpening machine comprising a motor, a plurality of sharpening rolls mounted on said motor and driven therefrom, means to position a razor blade between said rolls, pivoted means supporting one of said rolls, and switching means actuated by said pivoted means for controlling the energization of said motor.

1,979,971
FLAKED RESORCINOL
Ivan Gubelmann, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1932, Serial No. 620,725
1 Claim. (Cl. 260—154)

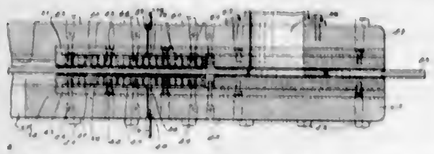
As a new product of manufacture, resorcinol in the form of flakes of substantially uniform physical appearance and chemical composition.

1,979,972
PNEUMATIC SOLE FOR SHOES
Frank Guild, Mount Kisco, N. Y.
Application April 7, 1934, Serial No. 719,462
10 Claims. (Cl. 36—29)



1. A pneumatic sole for shoes, comprising a full sole including a heel portion, a half sole disposed upon the front of said full sole and having a central cutout area, with a passage connecting with the inner end of the half sole, and a rubber tube with a closed end and in spiral form within said central cutout area and having its other end extending through said passage and equipped with an air valve and disposed over an opening in said full sole.

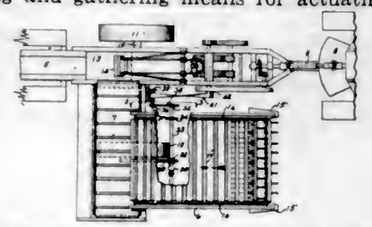
1,979,973
BROACHING MACHINE
Carl J. Halborg, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan
Application February 12, 1931, Serial No. 515,288
18 Claims. (Cl. 90—33)



1. The combination with a body portion of a broaching machine, of a broaching cutter disposed thereon, a pull bar provided with a work receiving opening, means for retaining said pull bar in predetermined relation to said cutter, means for actuating said pull bar to move the work piece across said cutter, and means for feeding said work pieces into said opening.

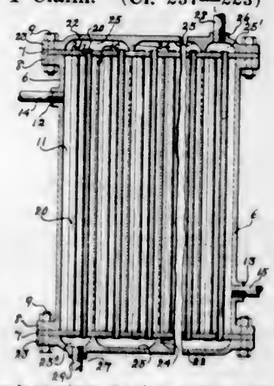
1,979,974
HARVESTER PICK-UP
Wallace F. MacGregor, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application July 17, 1933, Serial No. 680,683
7 Claims. (Cl. 56—364)

1. In a machine of the class described, the combination, with a wheeled support, of means for gathering and elevating cut material from the ground, ground driven means associated with and actuating the gathering means while the latter is traveling, means for rendering said driven means inoperative, means for conveying material from the gathering means, means for receiving material from the conveying means, and means associated with the conveying, receiving and gathering means for actuating the



gathering means when the latter is in stationary position.

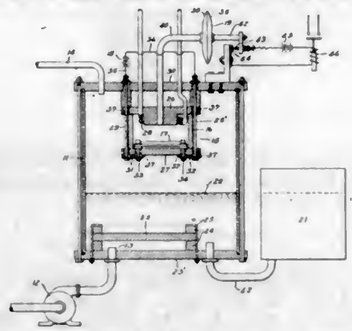
1,979,975
HEAT EXCHANGING DEVICE
Pietro Maniscalco, Chicago, Ill.
Application April 19, 1933, Serial No. 666,840
1 Claim. (Cl. 257—223)



A heat exchanging device comprising a casing including a tubular shell constituting side walls having laterally extending end flanges, perforated end plates removably mounted on said flanges to provide end walls for the casing, baffle plates mounted in said casing from end wall to end wall and having graduated slots provided alternately adjacent the opposite ends, to form a series of connected heat exchanging chambers, said slots diminishing in size from the end toward the center of the baffle plate to provide for a gradual and continuous passage of heated fluid to and fro through the casing, a set of tubes in each chamber mounted in said perforations in the end plates and having their ends open therebeyond, and cap means removably mounted outwardly of said end plates and having inner ribs forming arched chambers therebetween to connect two adjacent sets of tubes, inlet and outlet conduits for said heating chambers and for said arched chambers, the area of each set of tubes and of an arched chamber being greater than that of the inlet conduit, whereby the air is adapted to pass through the device in a direction reverse to that of the heating fluid and to be heated in its passage through the device.

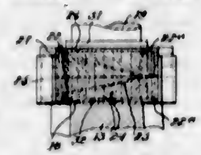
1,979,976
GAS DETECTOR
Abraham L. Marshall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 12, 1932, Serial No. 610,853
3 Claims. (Cl. 23—255)

3. A device responsive to the presence of combustible gases in a mixture of gases, comprising a container having porous walls and being surrounded by a mixture of gases to be tested, said porous walls serving to permit diffusion of said mixture into said container, means within said container for causing the combustion of combustible gases therein, means for humidifying the space within said container to facilitate the



reduction in volume of products of combustion, means for maintaining a relatively low temperature within said container to further facilitate reduction in volume of products of combustion, and means responsive to fall of pressure within said container resulting from combustion of gases therein.

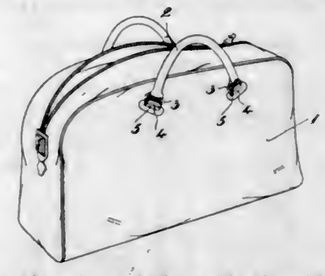
1,979,977
VALVE AND PACKING
Jesse C. Martin, Jr., Los Angeles, Calif., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Original application July 7, 1930, Serial No. 466,203. Divided and this application October 25, 1932, Serial No. 639,438
2 Claims. (Cl. 288—1)



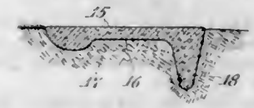
1. In a packing, a pair of rings of compressible material, each having a helical split extending through the body of the ring from one end surface to the other substantially halfway around the ring, a stitching extending through the width of each ring to secure the split portions together, said rings being arranged with the end surface of one abutting the end surface of the other, the terminal ends of the split in one of said rings being staggered relative to the terminal ends of the split in the other said ring to increase the resiliency of the abutting rings.

1,979,978
HAND BAG AND CASE
Patrick Alphonsus Martin, Birmingham, England
Application June 27, 1932, Serial No. 619,555
3 Claims. (Cl. 190—58)

1. A receptacle, a pair of carrying handles and a resilient device connecting each end of each handle to the body of the receptacle, the said resilient device comprising a coiled compression spring disposed within the receptacle, and a pair of relatively-sliding overlapping members anchored to opposite ends of the spring, the one member passing through an aperture in the side of the receptacle and being attached to the handle and the other member being attached to the body of the receptacle, the coiled spring and the said relatively sliding overlapping members lying close to and alongside the side of the receptacle.

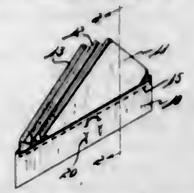


1,979,979
GARDEN MARKER
Frederick Carl Martini, Chicago, Ill.
Application September 14, 1932, Serial No. 633,040
5 Claims. (Cl. 47—33)



1. A garden marking device having a horizontal substantially triangularly shaped, flat marker portion and a substantially right angularly disposed anchoring projection from the base edge of the triangle, said flat portion adapted in position to lie substantially at ground level, and a bead along the edge of the under or ground side of the marker portion to prevent rocking of the marker when in position on the ground.

1,979,980
APPAREL ORNAMENT
Henry E. McAdams, Detroit, Mich.
Application January 27, 1932, Serial No. 589,155
3 Claims. (Cl. 24—3)

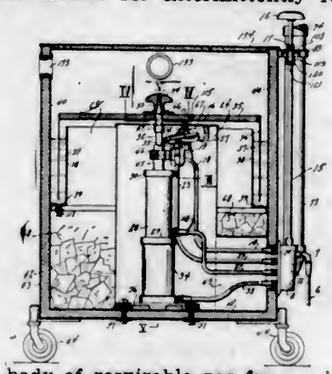


1. An apparel ornament of the class described, comprising: a plurality of ornament forming fabric portions, having butt ends, and arranged side by side and non-registering with each other at a plurality of edges, the butt ends of said portions being stitched together to form a rigid body at the butt ends.

1,979,981
BREATHING THERAPY APPARATUS
Elmer I. McKesson, Toledo, Ohio
Application January 2, 1932, Serial No. 584,317
5 Claims. (Cl. 128—204)

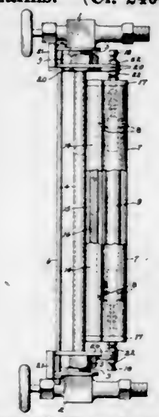
5. Respiratory apparatus embodying a source of respirable gas, a conduit for communication with the respiratory organs of a patient, a chamber adapted to contain a body of respirable gas, said chamber communicating with said conduit, means for alternately pumping and withdrawing gas in successive cycles through said con-

duit to and from the patient respectively, and automatic means for intermittently replenish-



ing the body of respirable gas from said source in step with said cycles.

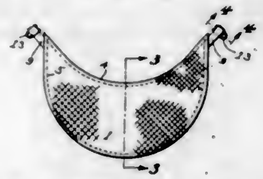
1,979,982
GAUGE GLASS ILLUMINATOR
Donald R. McMullen, Detroit, Mich., assignor to Wright Austin Company, Detroit, Mich., a corporation of Michigan
Application May 20, 1933, Serial No. 672,007
2 Claims. (Cl. 240—2.15)



1. In a device of the character described, a casing formed of two similar elongated substantially semi-cylindrical parts, detachable means for securing said parts together, means in one of said parts for supporting a neon tube, means adjacent to one end of one of said parts for receiving leads, means in one of said parts for accommodating the extension of a lead from the end where it enters the casing to the remote end of said neon tube, means on one of said parts for closing the ends of said casing, and flanges formed on said parts, said flanges being formed to extend lengthwise throughout approximately the entire length of said casing and being arranged on said parts so that when the later are secured together they form an open slot for the reception of a lens member.

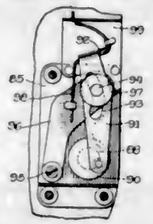
1,979,983
GARMENT PROTECTOR
Harold Tecumseh Meek, St. Louis, Mo.
Application March 13, 1933, Serial No. 660,547
3 Claims. (Cl. 2—53)

1. A garment protector comprising a pair of hollow flaps formed of light open fabric and foldable on their line of juncture; fluffy, loosely integrated, absorbent sheet material in the flaps, looped straps extending from the opposite ends of the line of juncture; stitching unit-



ing the straps, the light open fabric and the absorbent material; and clamping clips held in the loops of said straps.

1,979,984
MOTION PICTURE CAMERA
Lewis H. Moomaw, Wilmette, Ill.
Application May 8, 1931, Serial No. 535,931
8 Claims. (Cl. 88—18.4)



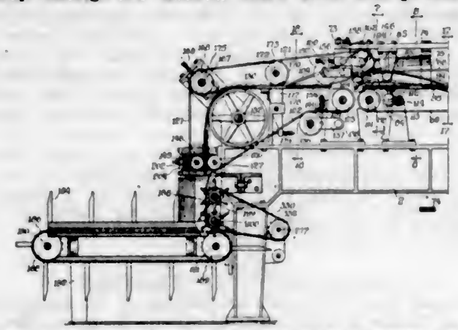
3. In a motion picture camera, the combination of means for feeding film past an exposure aperture, a view finder tube, means movably mounted in the tube and having movement at intervals to interrupt the view of one sighting through the tube to thereby direct attention to the movement of said means, and connections for imparting movement to the means upon equal increments of feed of the film.

8. A motion picture camera including in combination, spaced frame members, a plate located between said members and secured in spaced relation to one of said members, said frame members providing an aperture and mounting film supporting reels, and means for intermittently advancing said film relative to said aperture comprising a driven shaft journalled by said plate and one of said spaced frame members, a slotted pitman arm actuated by the driven shaft, a claw on said pitman arm adapted to engage the perforations in the film, a fulcrum pin located in the slot in the pitman arm, a lever having said pin fixedly secured thereto, means pivotally securing said lever to the plate, and resilient means positioned by said plate and adapted to engage said lever to urge the same in a definite direction.

1,979,985
APPARATUS FOR MAKING LINERS
Albert E. F. Moone, Wilmington, Ill., assignor to Orenda Corporation, Chicago, Ill., a corporation of Illinois
Application August 15, 1932, Serial No. 628,847
14 Claims. (Cl. 93—1)

1. A liner making machine including means effective for feeding a continuous strip of cardboard to a machine, means effective for cutting arcuate shaped liner blanks from said continuous strip and for scoring said strip along the desired radial lines of folding, means effective for applying glue to one edge of the blank, means

effective for folding said blank into a continuous loop along the scored lines and for pressing

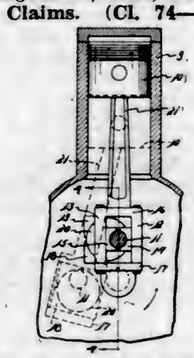


the glued end firmly against the other end by pressure members acting directly on the ends.

1,979,986
CELLULOSIC COMPOSITION
Harry S. Mork, Brookline, Mass.
No Drawing. Application May 20, 1931, Serial No. 538,869
6 Claims. (Cl. 106—40)

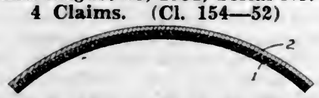
1. A composition of matter containing cellulose acetate and a phenyl phenol.

1,979,987
CRANK AND CONNECTING ROD CONNECTION
Bernard C. Mullin, Detroit, Mich.
Application August 10, 1932, Serial No. 628,166
2 Claims. (Cl. 74—36)



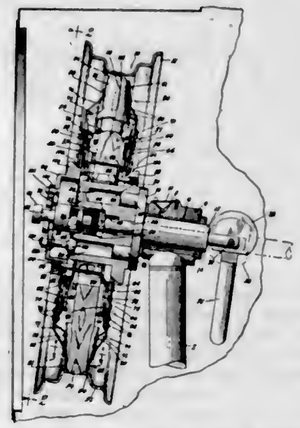
1. In combination, a rotatable crank shaft having a crank formed thereon; a slidably mounted piston; a connecting rod connected at one end pivotally to said piston; a head carried on the opposite end of said rod; a cam carried by said crank; and slide blocks mounted in said head and embracing said cam and engageable therewith.

1,979,988
BRAKE BAND
Frederic L. Munroe, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 28, 1931, Serial No. 559,893
4 Claims. (Cl. 154—52)



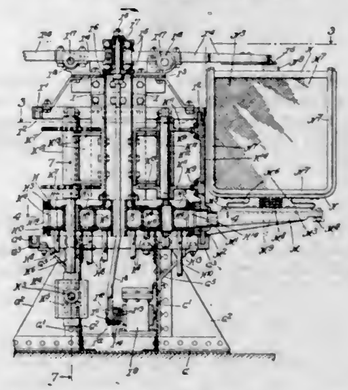
1. A composite lining for brake bands on textile looms comprising a substantially continuous band of hard, flexible, substantially incompressible, nonmetallic material and a friction facing of composition cork adhesively secured thereto throughout substantially its entire area.

1,979,989
PAINTING MASK FOR WHEELS
Fred A. Neuman, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 23, 1931, Serial No. 552,681
12 Claims. (Cl. 91—65)



1. In the art of painting spoked wheels, means for covering the spokes and hub of the wheel preparatory to painting the felly, comprising a mask for covering the spokes at one side of the wheel, and a second mask for covering the spokes at the other side of the wheel, said two masks surrounding the spokes only at the felly so that no paint will be applied to the spokes while the felly is being painted.

1,979,990
METHOD OF FILTER CAKE DISCHARGE
Harry W. Newton, Chicago, Ill., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 20, 1931, Serial No. 569,963
5 Claims. (Cl. 210—196)

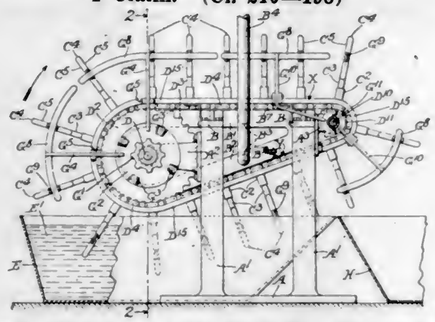


2. The method of filtration which includes the formation of a cake upon a septum and the rapid vibration of the septum and cake during cake formation.

1,979,991
METHOD AND APPARATUS FOR FORMING, COMPACTING, AND DISCHARGING FILTER CAKE

Harry W. Newton, Chicago, Ill., and Robert S. Butler, Los Angeles, Calif., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application September 19, 1931, Serial No. 563,724
1 Claim. (Cl. 210—198)

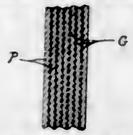


The method of forming and discharging a filter cake, which includes subjecting a septum to the liquid to be filtered and forming the cake upon said septum, removing septum and cake from contact with the liquid, maintaining a suction through cake and septum after the removal from the liquid, subjecting cake and septum as a whole, after such removal and during such suction, to positive bodily oscillation of an amplitude and frequency sufficient to cause a substantial regrouping of the solid particles of the cake, terminating said suction, and thereafter subjecting the cake and septum to further positive bodily oscillation, and thereby discharging the cake from the septum, the positive bodily oscillation being propagated generally in the plane of the septum.

1,979,992
LAMINATED PAPER CONTAINER

John Olson, St. Paul, Minn.

Application June 16, 1932, Serial No. 617,545
7 Claims. (Cl. 229—3.5)



1. A laminated paper container comprising a plurality of paper laminations forming walls for the container and an oil impregnated casein glue permeating and binding together the paper laminations.

1,979,993
CONTAINER SETTING-UP MACHINE

Frank Guy Peck, New Haven, Conn.

Application September 17, 1931, Serial No. 563,309
13 Claims. (Cl. 93—49)

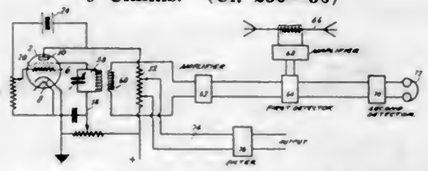


1. In a machine for setting up hinged boxes, feeding devices for feeding the boxes, gluing devices for applying glue to the transverse flaps on the boxes, a presser foot adapted to seat within the bottom of the boxes, means for bending upward the cover of the box and the back wall thereof about the presser foot, carriages, one on each side, plungers carried by said carriages, means for moving said carriages to bend said flaps around the corner of the presser foot, and means for moving said plungers to press side flaps against the side walls of the bottom of the box, presser members for holding said side walls against said presser foot while said flaps are being glued to said side walls, a closing member, and means for moving said closing member to close the cover as said box is carried by it.

1,979,994
OSCILLATION GENERATION

Harold Olaf Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 27, 1931, Serial No. 540,314
9 Claims. (Cl. 250—36)



1. In a system for generating oscillations, an electron discharge device having an anode, a cathode, a control electrode adjacent said cathode, and another electrode intermediate said control electrode and said anode, an aperiodic input circuit connected between said control electrode and cathode, an aperiodic circuit connected between said anode and cathode, a tuned circuit having inductance and capacity connected between said electrode intermediate said control electrode and anode, and said cathode, and, a piezo-electric crystal connected between said anode and said control electrode.

1,979,995
INSULATION

Emil Pfitzer, Berlin-Kopenick, Germany, assignor to General Electric Company, a corporation of New York

Application June 27, 1933, Serial No. 677,868
In Germany December 9, 1932
2 Claims. (Cl. 117—2)



1. Apparatus for applying asbestos and like materials to a conductor and the like comprising means for advancing said conductor, means for wrapping a yarn formed of said material on said conductor as it advances, a supporting member, a plurality of members spaced at intervals on said supporting member, each member having one end resting on said supporting member and its other end terminating in a sharp point, said members being arranged so that said points engage the material covering said conductor as the conductor advances, and means for effecting relative motion between said supporting member and said conductor whereby said covering is uniformly distributed about said conductor.

1,979,996
ELECTROPLATING PROCESS

William M. Phillips, Birmingham, and Guy M. Cole, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

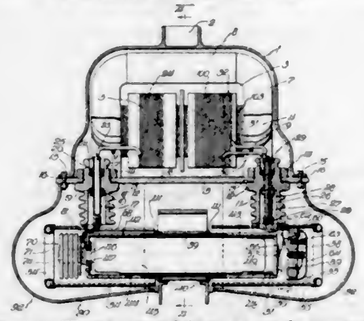
No Drawing. Application April 3, 1931, Serial No. 527,618
7 Claims. (Cl. 204—7)

1. The process of electrolytically removing scale from ferrous metal surfaces and simultaneously electrodepositing tin thereon comprising subjecting said surface to the action of a bath containing a scale-removing concentration of a pickling acid while passing current through the bath to the surface as cathode, to thereby evolve hydrogen at said surface, the bath also containing such concentration of tin salt that the current employed will deposit a continuous adherent coating of tin on said surface in substantially the time required for the removal of scale therefrom.

1,979,997
X-RAY MACHINE

Oscar H. Pieper, Rochester, N. Y.

Application April 4, 1932, Serial No. 602,989
9 Claims. (Cl. 250—34)



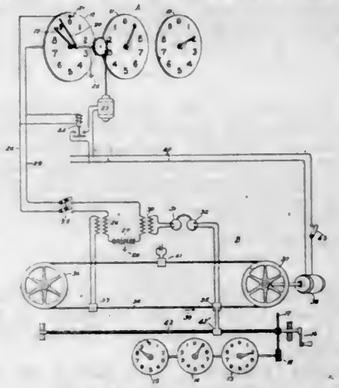
1. In an X-ray machine, a casing containing two compartments one of which is hermetically sealed, a transformer mounted in said sealed compartment, a tube mounted in the other compartment and rotatable about its own axis, a stationary cylinder surrounding said tube, a rheostat mounted in said cylinder adjacent the end of said tube, collector means on the end of said tube, a pair of leaf springs attached to the tube side of said rheostat and engaging said collector means, an electrical connection extending from said springs through said rheostat to said transformer, and an electrical connection from the other end of said tube to the transformer.

1,979,998
TELEMETERING METHOD AND APPARATUS

David R. Price, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application August 26, 1930, Serial No. 477,907
8 Claims. (Cl. 177—351)

1. The method of determining at a receiving station the relative displacement of a movable device with respect to a reference point at a sending station which consists in establishing at the sending station signals spaced in time relation in proportion to the displacement of the movable device from the reference point, transmitting such signals to the receiving station, retarding the reception of one of said signals, receiving the

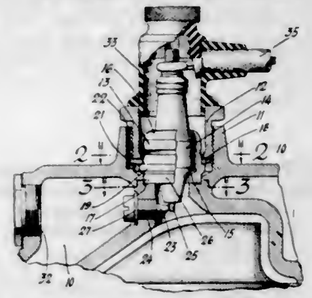


signals in the form of sound signals after one of them has been retarded to the extent necessary for both to be heard simultaneously, and measuring the extent of such retardation in the form of a displacement corresponding to the displacement of the movable device from its reference point at the transmitting station.

1,979,999
SPARK PLUG FOR HIGH COMPRESSION ENGINES

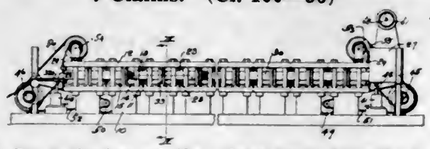
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 20, 1934, Serial No. 707,459
6 Claims. (Cl. 123—169)



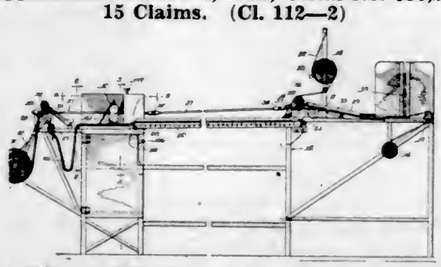
1. In a spark plug and in combination with a cylinder head having an internal cooling liquid space, and an internally threaded annular part; a hollow shell; an insulator assembled within said shell and extending into a space containing a combustible mixture to be ignited; an insulated electrode extending through said insulator and into sparking relation with a grounded electrode; an externally threaded bushing within said annular part and spaced apart from the shell aforesaid; means located adjacent the inner end of said shell and through which said bushing acts to hold said shell in place with its inner end in direct contact with said head; and a grounded electrode arranged in sparking relation with the inner end of said insulated electrode, and a part of which grounded electrode is in direct contact with cooling liquid within said cooling liquid space.

1,980,000
OIL PRESS
George E. Ryan, Germantown, Tenn.
Application February 13, 1933, Serial No. 656,429
7 Claims. (Cl. 100—36)



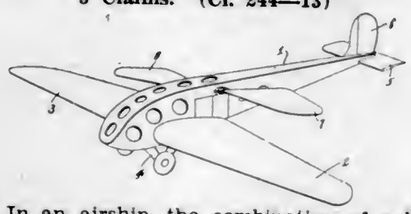
1. In a device of the character described, an elongated press box, having opposed pressure surfaces, one set of said surfaces being sectional, means for concurrently applying expressing pressure to approach said surfaces, and means for releasing pressure on any of said sections while maintaining pressure on others thereof, whereby to free such released sections.

1,980,001
AUTOMATIC SEWING MACHINE
Hugo Perlesz, Chicago, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
Application October 5, 1932, Serial No. 636,275
15 Claims. (Cl. 112—2)



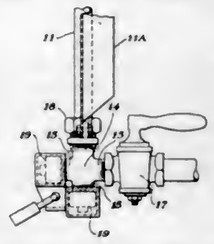
1. The combination of a sewing machine including a presser foot for feeding the work to the needle exactly as required, means for automatically altering the direction of feeding of the presser foot, and auxiliary feed means acting contemporaneously with the presser foot but independently of its contact with the cloth for automatically supplying the material to said presser foot approximately as required to maintain it free from tension or distortion.

1,980,002
AIRCRAFT
Evan P. Savidge, Los Angeles, Calif.
Application June 30, 1931, Serial No. 547,829
Renewed April 2, 1934
3 Claims. (Cl. 244—13)



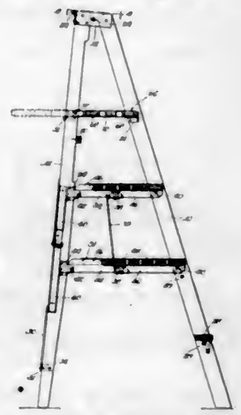
1. In an airship, the combination of a body portion, stationary planes extending from the body portion, wing members pivotally connected to said body portion at a point above the plane of said stationary planes, said wing members being adapted to describe an arcuate path in the air, and wings carried by said wing members, said wings being adapted to partially rotate through an angular displacement of not more than 90° during the motion of said wing members, and motor means carried by said body for actuating said wing members and wings.

1,980,003
LOCKING CAP
Wilfred C. Schofield, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application May 19, 1933, Serial No. 671,872
4 Claims. (Cl. 70—122)



1. In combination, a pipe cross having four radial arms, closures for two of said arms and a pair of caps fitting said closures, one of said caps having a projecting flange, the other of said caps having a projecting loop, said flange being adapted to fit within said loop.

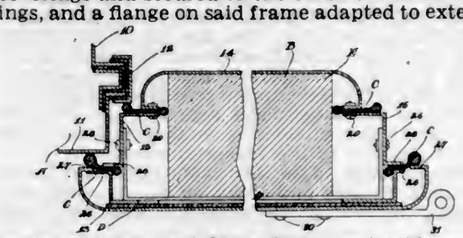
1,980,004
STEPLADDER
Albert A. Schramm, Chicago, Ill.
Application September 10, 1930, Serial No. 480,919
15 Claims. (Cl. 228—38)



1. A folding ladder including in a single active position four relatively hinged legs, folding beams between and pivotally mounted at their ends to said legs, a step slidably mounted on said beams, and a platform of more than six inches depth from front to back located as another step below said slidable step; said slidably mounted step being guided from its customary useful position to an out-of-the-way position.

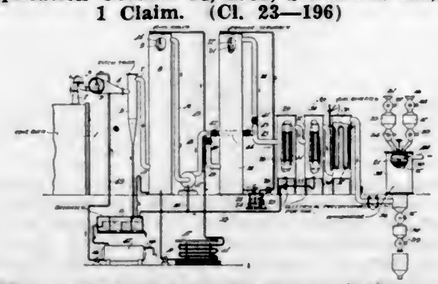
1,980,005
REFRIGERATOR CLOSURE
Walther G. Seeger and Gustave R. Seeger, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application February 12, 1930, Serial No. 427,774
13 Claims. (Cl. 20—35)

1. A refrigerator closure including, inner and outer metal coverings, an inturned flange on one of said coverings, a metal frame enclosed by said coverings and secured to the other of said coverings, and a flange on said frame adapted to extend



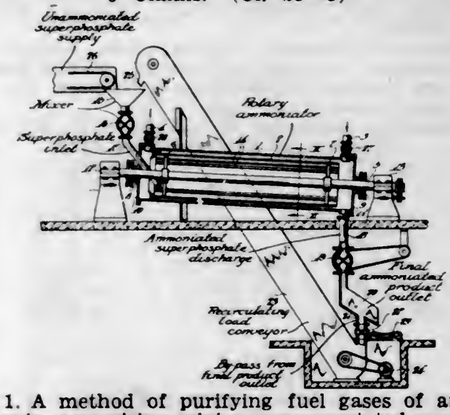
under said inturned flange to connect said coverings.

1,980,006
METHOD OF RECOVERING AMMONIA FROM GAS BY CONTACT WITH ACID PHOSPHATE
Mark Shoeld, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application October 14, 1931, Serial No. 568,653
1 Claim. (Cl. 23—196)



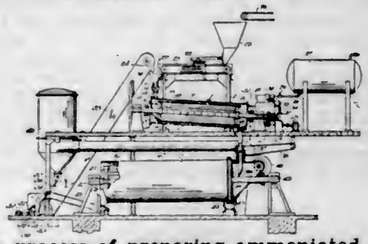
The method of recovering ammonia from coal gas with solid superphosphatic material as ammoniated superphosphate which comprises: flowing coal gas containing ammonia along and in surface contact with the surface of a countercurrent flowing bed containing the proportionate quantity of solid superphosphatic material required to produce a uniform 4–5% ammoniated product with the total quantity of ammonia in a predetermined volume of said coal gas; effecting such counterflow and surface contact by maintaining said bed in successive superposed moving layers moving with constant agitation of the layers to bring lower portions thereof to the surface and with gradual and continual discharge of the solid phosphatic material from layer to layer of the bed, and by flowing the coal gas through substantially free gas-spaces over but not through the layers and in surface contact with only the upper surfaces of the layers in succession in opposite direction to the flow of the respective layers during their flow and agitation as aforesaid; and thereby recovering the ammonia from said coal gas and ammoniating said phosphatic material; regulating and controlling the quantity of fresh phosphate supplied to and ammoniated phosphate discharged from the bed and the rate of movement thereof in accordance with the ammonia content and rate of flow of the aforesaid predetermined volumes of coal gas along the surface of said bed, to maintain the proportion of said solid material to the volumes of coal gas aforesaid; and maintaining a ratio of from one to three square feet of said solid material to each cubic foot of gas space through which the gas flows as aforesaid for contact therewith; and thereby substantially completely removing the ammonia from the coal gas with simultaneous recovery of a uniform 4–5% ammoniated phosphatic product.

1,980,007
METHOD OF REMOVING AMMONIA FROM GASES
Mark Shoeld, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application December 15, 1931, Serial No. 581,112
6 Claims. (Cl. 23—3)



1. A method of purifying fuel gases of ammonia, comprising mixing unammoniated superphosphate with ammoniated superphosphate that has been ammoniated up to about 5%, contacting the mixture with fuel gas containing ammonia, purifying said gas of its ammonia by the contacting with said mixture, and removing the mixture from contact with the gas when the ammoniated mixture analyzes as material ammoniated up to about 5%.

1,980,008
MANUFACTURE OF FERTILIZERS
Mark Shoeld, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application May 7, 1932, Serial No. 609,809
7 Claims. (Cl. 71—7)



1. A process of preparing ammoniated superphosphate to prevent reversion and caking thereof subsequently to its discharge from the ammoniation stage therefor, which comprises contacting superphosphate with ammonia to produce a predetermined percentage of ammoniation, cooling the ammoniated material, mixing the ammoniated material with superphosphate to be ammoniated and in amounts proportioned to the unammoniated superphosphate to limit, by absorption of part of the heat, the rise in temperature due to the heat of reaction in ammoniation to a predetermined maximum amount which will not cause reversion and caking of the newly ammoniated material during storage and cooling subsequently to discharge from the ammoniation stage contacting the mixture with strong ammonia to convert the superphosphate into am-

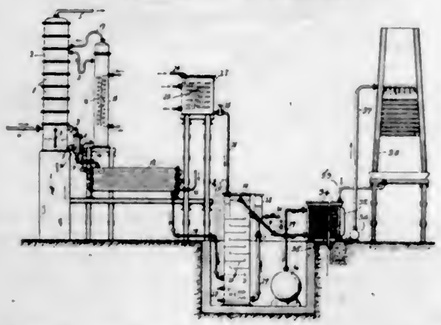
moniated superphosphate in the presence of the previously prepared ammoniated material, and discharging the mixture from the ammoniation stage at said temperature and percentage of ammoniation.

1,980,009

PROCESS FOR THE RECOVERY OF BENZOL AND ITS HOMOLOGUES FROM SOLVENTS

Heinrich Schöneborn, Kettwig-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware

Application September 11, 1931, Serial No. 562,299
In Germany September 12, 1930
4 Claims. (Cl. 196—146)



1. In a process of reconditioning a wash-oil solvent previously used for washing hydrocarbons, such as benzol and its homologues, from coal distillation gas for further use in removing hydrocarbons from gas as aforesaid, which process comprises distilling the wash-oil to remove the hydrocarbons absorbed during the previous washing of the gas, pre-cooling the distilled wash-oil by indirect heat exchange with wash-oil on its way to be distilled as aforesaid, and thereafter finally cooling the pre-cooled wash-oil by indirect heat exchange, as with water, to the temperature required for again washing coal gas as aforesaid, the improvement which comprises: washing the distilled wash-oil after the aforesaid distillation and precooling thereof but before the aforesaid indirect heat exchange final cooling thereof with water adapted to dissolve the soluble corrosive salt therefrom, effecting said washing of the solvent at a temperature high enough to prevent emulsification of the washing water and solvent, and separating the washing water from the solvent prior to the aforesaid final cooling thereof.

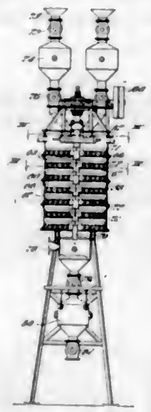
1,980,010

BY-PRODUCT AMMONIA RECOVERY METHOD

Frederick W. Sperr, Jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware

Application December 27, 1930, Serial No. 505,090
5 Claims. (Cl. 23—196)

1. The method of recovering ammonia from coal gas with solid superphosphatic material as ammoniated superphosphate which comprises: flowing coal gas containing ammonia along and in surface contact with the surface of a countercurrent flowing bed containing the proportionate quantity of solid superphosphatic material required to produce a uniform 4–5% ammoniated product with the total quantity of ammonia in a predetermined volume of said coal gas; effecting such counterflow and surface contact by maintaining said bed in successive superposed moving layers moving with constant agitation of the layers to bring lower portions thereof to the surface and with gradual and continual discharge of the solid phosphatic material from layer to layer of the bed, and by flowing the coal gas through substantially free gas-spaces over but not through the layers and in surface contact with only the upper surfaces of the layers in succession in opposite direction to the flow of the respective layers during their flow and agitation as aforesaid; and thereby recovering the ammonia from said coal



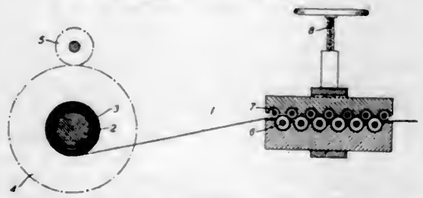
gas and ammoniating said phosphatic material; and regulating and controlling the quantity of fresh phosphate supplied to and ammoniated phosphate discharged from the bed and the rate of movement thereof in accordance with the ammonia content and rate of flow of the aforesaid predetermined volumes of coal gas along the surface of said bed, to maintain the proportion of said solid material to the volumes of coal gas aforesaid; and thereby substantially completely removing the ammonia from the coal gas with simultaneous recovery of a uniform 4–5% ammoniated phosphatic product.

1,980,011

METHOD FOR THE PRODUCTION OF MAGNETIC STRIPS OR TAPES

Helmut Sprung, Berlin-Oberschoneweide, Germany, assignor to General Electric Company, Schenectady, N. Y., a corporation of New York

Application August 11, 1933, Serial No. 684,771
In Germany August 16, 1932
6 Claims. (Cl. 175—21)



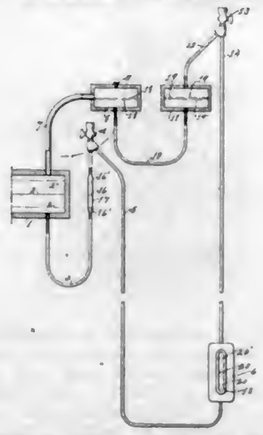
1. Process for the production of strip cores of magnetic material to be employed in cold worked form, characterized in that the strip for winding the cores is plastically deformed a number of times in alternate directions before being wound up, so that it loses its spring power to an appreciable extent, and that it is at the same time given a final change of form of such a kind that it no longer exhibits any elastic tension after being wound up.

1,980,012

MERCURY BOILER LEVEL INDICATOR

Henry Stelling, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Application June 30, 1928, Serial No. 289,543
9 Claims. (Cl. 73—54)



2. A mercury level indicator for a mercury boiler comprising two conduits forming a U-tube and containing contacting columns of non-miscible liquids in which the contacting surfaces of said liquids are movable to indicate the mercury level, means for establishing communication between the mercury space of the boiler and one of said conduits, a mercury containing cistern located above the mercury level in said boiler, means to establish communication between said cistern and said boiler above the normal mercury level in said boiler, the other one of said conduits being connected to said cistern, and a second cistern interposed in the communication between said first-named cistern and the boiler.

1,980,013

PROCESS OF PRESERVING FRUIT PEEL

Alexander W. Stott, Clearwater, Fla., assignor to The Hills Brothers Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 5, 1932, Serial No. 627,604
5 Claims. (Cl. 99—11)

3. A process for treating the rind and peel of citrus fruits which comprises heating the material in a sugar syrup for a period not to exceed about one hour at a temperature from about 212° F. to about 220° F., placing the material in containers with a relatively small quantity of sugar syrup, heating the containers, while they are unsealed, for a period of about half an hour at a temperature from about 212° F. to about 240° F., sealing the containers, and heating them for a period of about half an hour at a temperature of about 212° F. to about 240° F.

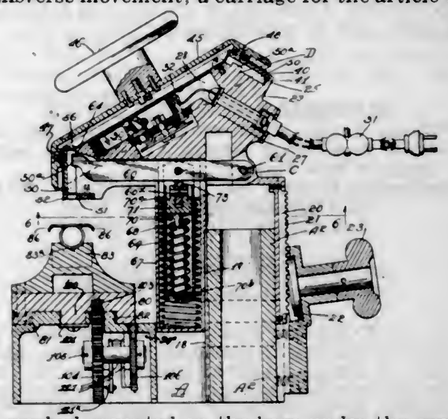
1,980,014

STAMPING MACHINE

Samuel R. Swenson, Chicago, Ill.

Application December 14, 1931, Serial No. 580,897
13 Claims. (Cl. 197—4.7)

1. A stamping machine comprising in combination with a fixed base having a rigid upwardly extending post, a die carrier mount slidingly mounted on said post having a part projecting therefrom overhanging the base; a die carrier mounted on said mount movably with respect to the latter at the overhang of the mount over the base transversely of the direction in which the mount projects from the post for said overhang, said carrier mount having its slide bearing portion furnished with a rack, and a manually operable gear member journalled on the base engaging the rack for adjusting the carrier to fixed positions up and down on the post; a plurality of dies carried by the carrier in said movement of adjustment, said dies being arranged in succession on the carrier along the path of its said transverse movement; a carriage for the article to



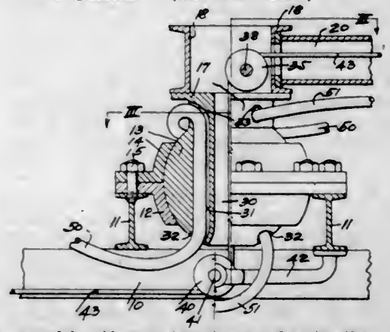
be marked mounted on the base under the overhang of the die carrier mount; means for adjusting the carrier in its path of movement transversely of the overhang of the mount to locate a selected die at predetermined position above the carriage, the dies being individually mounted in the carrier for movement toward the carriage, and means mounted on the die carrier mount engaging the die thus located and movable for actuating the die in the carrier toward the carriage for imprinting the article carried by the latter.

1,980,015

VEHICLE TRAILER CONSTRUCTION

Newton B. Thompson, Wilson, Ark.

Application July 28, 1934, Serial No. 737,321
4 Claims. (Cl. 280—33.1)



1. In combination a tractor and a trailer, coupling means therefor, including an annular socket carried by said tractor, a complementary annular cap and securing means for said cap, a ball secured to and depending from said trailer, seated in said socket and retained by said cap, said ball having a vertically disposed central opening and a plurality of segregated openings therearound, all of said openings originating below said socket and terminating above said cap, a plurality of service devices on said trailer, and a plurality of servicing devices leading from said tractor upward through said ball openings and along said trailer to said service devices.

1,980,016
BRAKE DRESSING AND PROCESS THEREFOR

Walter R. Thurston, Los Angeles, Calif.

No Drawing. Application April 9, 1930, Serial No. 443,007
8 Claims. (Cl. 134—11)

1. A brake dressing comprising an intimate mixture of zinc, lead, tin in varying quantities, talc, and a binder composed of a lubricating oil, wool grease, a solution of rubber and a solution of rosin, also in varying quantities.

1,980,017
ELECTRIC DISCHARGE DEVICE

Wilhelm Traub, Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

Application October 20, 1931, Serial No. 570,005
In Germany October 28, 1930
5 Claims. (Cl. 250—35)

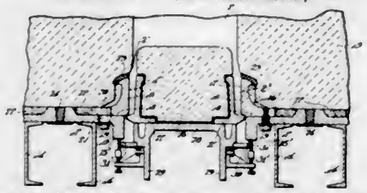


1. An X-ray tube comprising an evacuated envelope containing an anode and a cathode, a plurality of metal cylinders surrounding the discharge region between said electrodes, one of said cylinders being mounted on the interior of the envelope and another of said cylinders being mounted on the exterior of the envelope, said cylinders being maintained at the same potential, an evacuated enclosure surrounding a portion of the envelope about said cylinders, said enclosure containing the exterior cylinder and being in communication with the interior of said envelope.

1,980,018
COKE-OVEN APPARATUS

Joseph van Ackeren, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware

Application January 15, 1931, Serial No. 508,915
4 Claims. (Cl. 202—248)

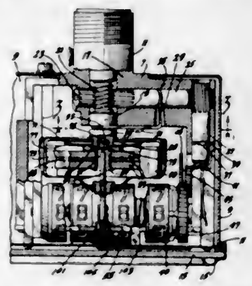


1. In a coke oven apparatus, a coke oven door-body; a stationary coke oven door-frame therefor comprising a substantially single-piece metallic door-frame plate extending continuously around the border of said door-body; metallic sealing members between the door-body and the door-frame, said sealing members including an abutting sealing surface and an elastic sealing plate having an edged and abutting sealing engagement, the abutting sealing surface being stationary on the outer surface of said door-frame plate and the elastic sealing plate being carried by the door-body; and an inner lining on the inner surface of the door-frame plate comprising individual metallic sections, separate from each other and from the door-frame plate, arranged adjacent each other and so as to form an interposed heat protective lining on the inner surface of the edge portion of the door-frame plate adjacent the door interposed between the coking chamber and the door frame.

1,980,019
MAGNETIC SPEEDOMETER

Cyril T. Wallis and Norman O. Marquart, Rochester, N. Y., assignors to Delco Appliance Corporation, Rochester, N. Y., a corporation of Delaware

Application September 14, 1931, Serial No. 562,682
1 Claim. (Cl. 264—13)



In a magnetic measuring instrument, a laminated bar magnet and associated therewith a temperature compensator and an adjustable member to effect calibration, said magnet, together with the compensator and calibration member constituting a unitary rotatable assembly, said temperature compensator comprising a plate of alloy metal, said plate having as a characteristic magnetic permeability which decreases as its temperature rises, said alloy plate being positioned between the laminæ of the magnet and said calibrating member comprising a bar parallel with the magnet laminæ and having beveled ends overlying the ends of the magnet together with an inductor element the electrical resistance of which increases with rising temperature.

1,980,020
GROUND ROD

William R. Webster, Bridgeport, Conn.

Application August 24, 1931, Serial No. 559,027
1 Claim. (Cl. 173—31)



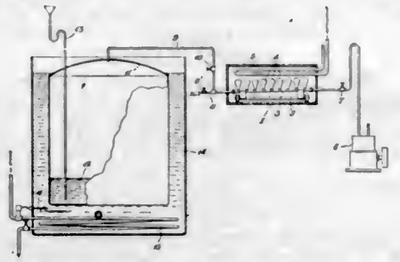
A ground rod for connecting electrical apparatus to ground comprising a cold drawn core of relatively strong metal, said metal being a ferrous metal, and a cold drawn outer coating of weaker but more highly conductive metal conforming closely to the core, the wall of said coating being quite thin as compared to the diameter of said core and the inner surface of the coating being intimately engaged with and entering minute cavities of the surface of the core to form a substantially unitary structure, said rod having a conical end.

1,980,021
METHOD OF CHEMICALLY ETCHING GLASS SURFACES

Herbert E. Wetherbee, Cleveland Heights, Ohio, assignor, by mesne assignments, of seven-tenths to Richard F. Grant and one-tenth to Benton H. Grant, both of New York, N. Y.

Application May 4, 1933, Serial No. 669,384
26 Claims. (Cl. 41—42)

1. The method of chemically etching glass surfaces which consists in subjecting the surface to a partial vacuum and then replacing the partial vacuum with an atmosphere charged with the

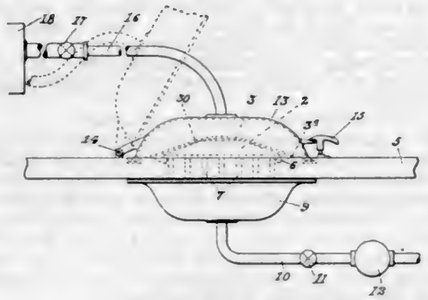


vapor of a solvent for the etching agent and containing the etching agent in gaseous state.

1,980,022
METHOD AND APPARATUS FOR COVERING ARTICLES WITH SHEET MATERIAL

John N. Whitehouse, New York, N. Y., assignor to Sanite Corporation, Burlington, N. J., a corporation of New Jersey

Application July 5, 1929, Serial No. 376,086
Renewed April 6, 1934
11 Claims. (Cl. 18—51)

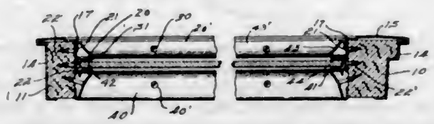


1. A method of producing a covered article made up of a body and a sheet of relatively thin cover material overlying one face of the body, its peripheral edge, and underlying its undermargin, comprising applying the sheet to a surface of the body and applying pneumatic pressure to press and permanently fasten the sheet upon the body surface and form sheet marginal edges in underlying engagement with the undermargin of the body.

1,980,023
OUTSIDE MOLDING OR REVEAL

Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application January 26, 1931, Serial No. 511,178
4 Claims. (Cl. 296—44)

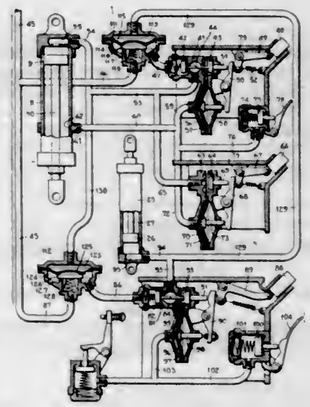


1. In a car body, a panel provided with a window opening, the marginal edge of which is defined by an inturned flange, a frame disposed in said opening from the inside of the body to form the outer reveal portion of said window, the lateral edge of said frame being inwardly flanged and disposed in contact with and parallel to the flange of said opening.

1,980,024
CONTROL MECHANISM FOR ALTERNATELY OPERATED MOTORS

Emil A. Winnewisser, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York

Original application September 16, 1929, Serial No. 392,796. Divided and this application September 27, 1929, Serial No. 395,566. Renewed February 23, 1934
13 Claims. (Cl. 68—9)



7. In a garment or ironing press, in combination, cooperating press jaws one of which is movable towards and from the other, fluid motor means operatively connected to the movable press jaw to close the same, means movable into and away from operative position upon the press when the press is open, a second fluid motor means operatively connected with the aforesaid means, a motive fluid feed line connected with each motor means, operator-operated valve means in each feed line for controlling the flow of motive fluid through the respective line, auxiliary means controlling the flow of motive fluid in one feed line, and means controlled by the fluid pressure in the other feed line to operate the auxiliary means and prevent the flow of fluid therein to the motor means connected therewith.

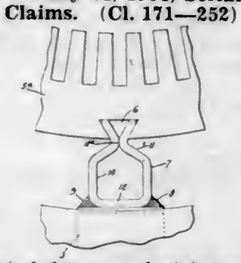
1,980,025
ANTHRAQUINONE DYESTUFFS AND PROCESS OF OBTAINING SAME

Arthur Wolfram, Frankfort-on-the-Main-Rodelheim, and Emil Hausdörfer, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 16, 1932, Serial No. 611,754. In Germany May 20, 1931
12 Claims. (Cl. 260—60)

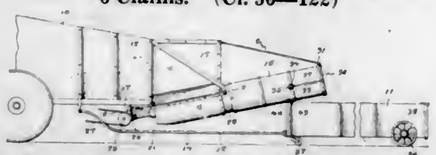
7. The compounds substantially identical with those which are obtainable by the process which comprises heating an anthraquinone compound which contains a —NH_2— or a —NH-alkyl-group in an alpha-position and at least one —NH-aryl-NH_2-group in another alpha-position with a halogenhydrine of the group consisting of ethylene chlorhydrine and propylene-chlorhydrine in the presence of an acid binding agent.

1,980,026
FABRICATED DYNAMO-ELECTRIC MACHINE
Alexander P. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 24, 1934, Serial No. 712,745
8 Claims. (Cl. 171—252)



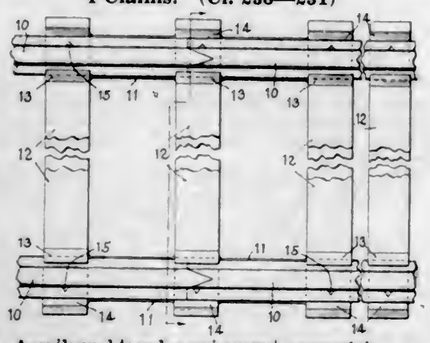
1. A fabricated dynamo-electric machine comprising a supporting member, laminations having their edges presented toward said supporting member and having notches therein, and means including a hollow dovetail having spaced side walls engaging said notches for securing said laminations to said supporting member.

1,980,027
STRAW GATHERING ATTACHMENT FOR HARVESTERS
Charles R. Adams, Donovan, Saskatchewan, Canada
Application July 5, 1933, Serial No. 679,142
6 Claims. (Cl. 56—122)



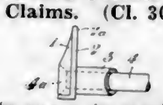
1. In combination with a harvester, a straw gathering trailer for the same connected with the harvester at the rear thereof and in spaced relation thereto, and a straw transfer mechanism comprising a feed screw in communication with the discharge of the harvester, and a discharge tube arranged in continuation of the feed screw with its rear end disposed over the trailer.

1,980,028
RAILROAD
Daniel Boone Akers, Cincinnati, Ohio
Application June 30, 1932, Serial No. 620,227
4 Claims. (Cl. 238—231)



1. A railroad track equipment comprising crossties, rails and a metal plate comprising longitudinal members lying under the rails and reaching from one cross-tie to another and transverse members integral with said longitudinal members.

1,980,029
SAFETY RAZOR
Bertil Åström, Domnarvet, Sweden
Application October 3, 1933, Serial No. 692,023
In Sweden October 8, 1932
6 Claims. (Cl. 30—12)

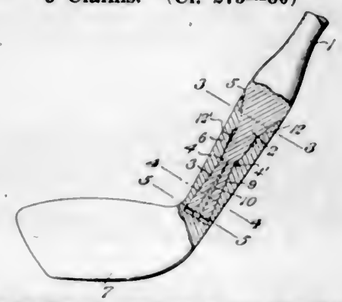


1. In a safety razor, in combination, a carrier plate, a handle secured to said carrier plate, a rigid cutting blade having a slot with a conically countersunk portion, a bolt extending through said blade and said handle to secure said blade to said carrier plate, a conical head on said bolt adapted to be received in said countersunk portion, and releasable means to press said conical head against said blade.

1,980,030
PROCESS FOR ISOLATING OR PURIFYING TERPENE ALCOHOLS AND HYDROAROMATIC ALCOHOLS
John William Blagden, Loughton, and Walter Edward Huggett, London, England, assignors of one-third to Howards & Sons Limited, Ilford, England, a British company
No Drawing. Application December 23, 1932, Serial No. 648,719. In Great Britain January 4, 1932
12 Claims. (Cl. 260—153)

1. A process for separating an alcohol selected from the class consisting of the terpene alcohols and hydroaromatic alcohols other than menthols from a mixture, of such alcohol with at least one other substance, which process comprises converting the alcohol in the mixture into its orthophosphoric acid addition compound and separating from one another the addition compound and the remainder of the mixture.

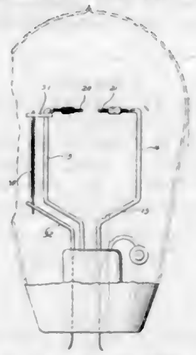
1,980,031
GOLF CLUB
Harry M. Brading, Evansville, Ind.
Application November 21, 1930, Serial No. 497,322
5 Claims. (Cl. 273—80)



1. Means for connecting a golf club head, implement, or tool to its shaft or handle, comprising a neck or hosel provided with an internal double-coned bore which is narrowest at a point intermediate its ends, the outermost part of which has a fin or member projecting from the wall thereof inwardly into the bore, the innermost part of the double-coned bore being cross sectionally of oval shape, and a double-coned tang carried by the shaft or handle and fitting

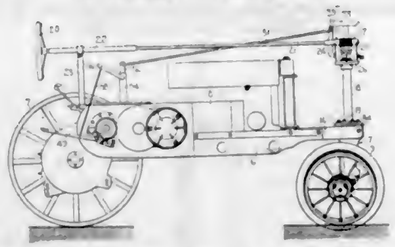
the bore of the two sections of the double cone of the hosel and interlocked with the projecting fin aforesaid, whereby both coned parts of both the tang and hosel are prevented from relative turning and from being disconnected.

1,980,032
SELF-STARTING ENCLOSED ARC LAMP
Chester H. Braselton, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application October 21, 1930, Serial No. 490,123
10 Claims. (Cl. 176—123)



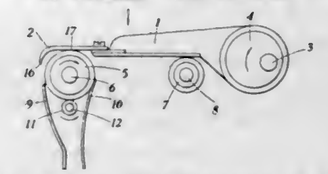
1. In an electric radiating device the combination of an envelope, supports therein, a plurality of standards mounted on said supports, coils of refractory wire mounted on two of said standards, the end of each of said coils being adjacent an end of the other coil, a coating of electron emitting material on said coils on areas spaced from said adjacent ends, said adjacent ends being bare when the device is in operation, and an atmosphere of caesium vapor in said envelope.

1,980,033
TRACTOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 2, 1931, Serial No. 572,470
12 Claims. (Cl. 180—17)



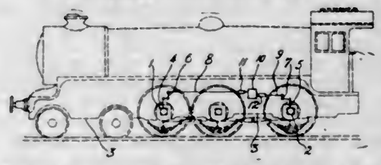
3. A tractor comprising a pair of traction wheels, brake mechanism for each of said wheels, a steering wheel, steering means, a clutch operatively connecting said steering means with said steering wheel, a brake pedal for actuating each of said brake mechanisms, a transversely extending rock shaft supported adjacent said brake pedals, crank arms on said rock shaft connected respectively with said brake pedals whereby actuation of either of said brake pedals rocks said rock shaft, and means connecting said rock shaft with said clutch whereby rocking of said rock shaft operates said clutch to disconnect said steering means from said steering wheel.

1,980,034
MECHANICAL APPLIANCE FOR REMOVING FEATHERS, STUBS, AND DOWN FROM FOWLS, GAME-BIRDS, DUCKS, GEESE, OR THE LIKE
Anthony George Budd and Henry Barton, West Moors, Dorset, England
Application March 16, 1934, Serial No. 715,982
In Great Britain March 14, 1933
16 Claims. (Cl. 17—11)



9. A plucking machine including gripper jaws comprising movable gripping means and a complementary abutment, said abutment having a part movable in a curved path, and means whereby said gripping means may be moved in a direction towards and away from the periphery of said abutment for the purpose of gripping the matter to be plucked and subsequently freeing the plucked matter and also be moved in a plane at right angles to a plane forming a tangent to the curved path, for the purpose of plucking any matter gripped between said gripping means and abutment.

1,980,035
APPARATUS FOR TESTING THE PERMANENT WAY OF RAILWAYS, TRAMWAYS, OR THE LIKE
Cornelius Ambrose Cardew, Wahroonga, near Sydney, New South Wales, Australia
Application February 12, 1931, Serial No. 515,393
In Australia February 21, 1930
9 Claims. (Cl. 177—311)

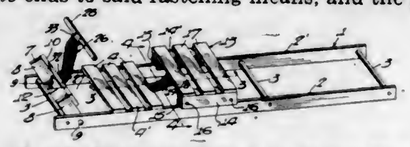


1. In testing apparatus, for the permanent way of railways, mounted upon the sprung portion of a locomotive having a central pair of wheels and a pair of wheels on either side thereof termed remotely disposed wheels each of which has an axle box, two members mounted upon the sprung portion of the locomotive and each capable of movement relatively to the other, means for transmitting vertical movement from the respective remotely disposed axle boxes on the same side of the locomotive to one of the respective members, means responsive to relative movement of the members due to unequal vertical movement of the axle boxes to cause an electric circuit to be closed, equal vertical movements of the said axle boxes in the same direction on the same side of the vehicle being ineffective to cause said circuit to be closed.

1,980,036
EXERCISING MACHINE
Herman Casler, Canastota, and Theodore Williams, Syracuse, N. Y.
Application January 28, 1933, Serial No. 654,034
5 Claims. (Cl. 272—72)

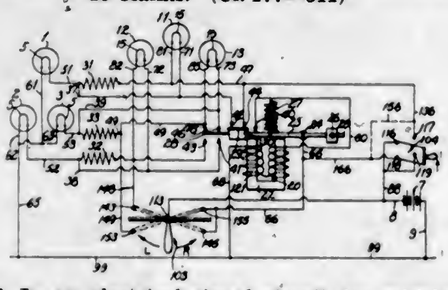
1. In an exercising machine, a device for resiliently connecting two members together, an

endless resilient resistance member, fastening means respectively connected to said two members, said resistance member being looped at opposite ends to said fastening means, and the por-



tion of said fastening means to which said resistance member is looped being normally spaced relatively to said two members to permit creeping movement of said resistance member and to facilitate assembly thereof.

1,980,037
SIGNAL
Philip H. Chase, Bala-Cynwyd, Pa.
Application March 28, 1931, Serial No. 526,010
13 Claims. (Cl. 177—311)

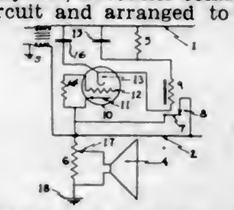


6. In an electrical signal circuit for vehicles, signal means visible from the exterior of the vehicle, pilot means visible from the interior of the vehicle for indicating the condition of the circuit, automatic means for periodically varying the voltage drop across said signal means when the circuit is energized, a resistance in series with the signal means, said pilot means being connected in parallel with said resistance, said resistance being sufficiently low that when it is in series with the signal means said signal means is lighted to visible brilliancy, said automatic means comprising a short-circuiting armature across the resistance, and an electromagnet associated with said armature, whereby the visibility of the pilot is varied as said automatic means functions.

13. In an electric signal circuit for vehicles, signaling means visible from the exterior of the vehicle, an electric element having a resistance in series with the signaling means, automatic means adapted to periodically short-circuit said element and pilot means connected in parallel with said signaling means, said signaling means comprising a lamp, the lamp and the resistance being characterized by the fact that when the short circuit across the resistance is open, the signal lamp voltage shall be sufficient to cause the signal lamp to burn at an intensity which is substantially visible from other vehicles.

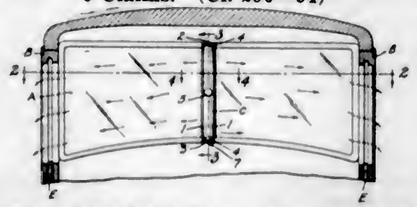
1,980,038
ELECTRIC RELAY
William F. Cotter and Marion E. Bond, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application March 23, 1933, Serial No. 662,255
7 Claims. (Cl. 179—184)

4. The combination of an energizing circuit, a communication circuit between ground and one side of said energizing circuit, a loud speaker field winding, a relay coil, a rectifier connected to said energizing circuit and arranged to supply said



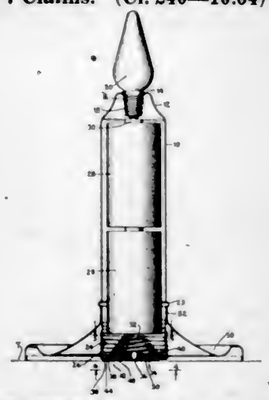
field winding and relay coil with current, and means responsive to said relay coil for establishing and breaking said communication circuit.

1,980,039
VENTILATING APPARATUS FOR VEHICLE BODIES
William de F. Crowell, St. Louis, Mo.
Application July 22, 1933, Serial No. 681,709
6 Claims. (Cl. 296—94)



1. In a vehicle body, the combination of a windshield, an upright or substantially vertically-disposed fresh air admission opening in the wind shield located intermediate the ends of same, an adjustable closure for said admission opening, and an adjustable air deflecting or baffling means combined with said fresh air admission opening, for causing the incoming air to flow laterally across the inner side of the wind shield without striking the occupants of the vehicle.

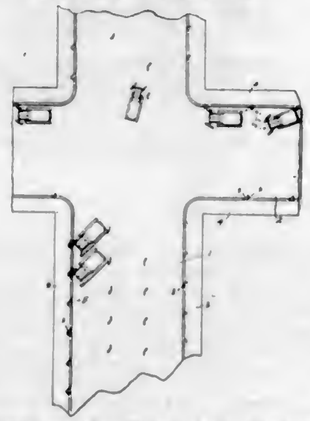
1,980,040
CANDLE LIGHT
Roy L. Darling, Jersey City, N. J., assignor to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware
Application November 28, 1931, Serial No. 577,738
7 Claims. (Cl. 240—10.64)



1. A candle light comprising, in combination, a casing having an opening in the lower end, a base for the casing, a flange surrounding the opening, a fibre disc carried on the flange inwardly thereof and formed with a passage, a

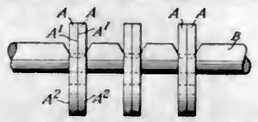
battery engaging member, a conducting member of resilient material supported beneath the disc and having a bent portion normally disposed by virtue of the resiliency of said member below the base and a contact portion passing through the passage and overlying the flange, and means electrically connecting the battery engaging member with the conducting member.

1,980,041
STREET CONSTRUCTION
Harry R. Decker, Houston, Tex.
Application May 7, 1932, Serial No. 609,870
Renewed March 30, 1934
7 Claims. (Cl. 94—1)



1. In street construction curbs elevated above the street surface and having wheel berths spaced apart along the curbs each berth being of a width to receive a single vehicle wheel.

1,980,042
MANUFACTURE OF ELECTRICAL RECTIFIERS
Philip H. Dowling, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 19, 1933, Serial No. 690,080
5 Claims. (Cl. 175—366)

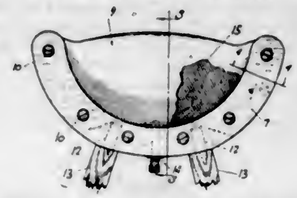


5. The process of preparing rectifier elements which consists in supporting flat metallic copper blanks in pairs with adjacent faces in contact on a support which is unaffected by high temperature and nitric acid, heating the blanks to form a layer of cuprous oxide and an outer layer of cupric oxide on the blanks, cooling the blanks by quenching them in water while still on the support, drying the blank with an air blast to prevent impurities from the water from adhering to the blanks, loosening the cupric oxide from the cuprous oxide without actually removing it from the cuprous oxide by immersing the support and blanks in a dilute solution of nitric acid formed by adding concentrated chemically pure nitric acid to distilled water, washing the acid from the blanks by immersing the support and blanks in running water, removing the blanks from the support and supporting them on another support loosely in such manner that they can touch one another, and finally directing a vigorous air blast against the edges of the blanks to detach the cupric oxide from the cuprous oxide.

1,980,043
EQUILIBRATED PAINT AND VARNISH REMOVER CONTAINING PETROLEUM HYDROCARBONS
Carleton Ellis, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., a corporation of West Virginia
No Drawing. Application August 15, 1928, Serial No. 299,876
7 Claims. (Cl. 87—5)

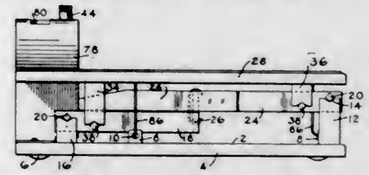
7. An equilibrated finish remover comprising wax, about 20 to 40% of a wax solvent composed in large part at least of petroleum hydrocarbons boiling at temperatures below 115° C. and free from any considerable fractions of petroleum hydrocarbons having boiling points above 115° C., and wax precipitant liquid constituting the major portion of the entire remover, selected from the herein described group consisting of methanol, acetone and "lugosol", and including a blending agent selected from the group consisting of methyl acetate, methyl ethyl ketone and ethyl acetate, such entire remover remaining in the form of a mixed liquid carrying precipitated wax.

1,980,044
PNEUMATIC CRUTCH PAD
Clarence M. Fallon, San Diego, Calif.
Application January 29, 1934, Serial No. 708,760
7 Claims. (Cl. 135—52)



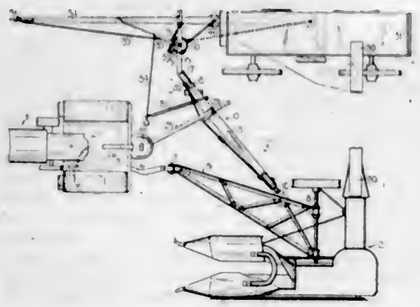
3. A cross-piece comprising two semi-circular marginal frame members, a semi-circular pad having its peripheral boundary secured to said members, said pad being inflatable, and an intake means whereby to inflate said pad.

1,980,045
BATHROOM SCALE
Irving Florman, New York, N. Y.
Original application April 11, 1933, Serial No. 665,603, now Patent No. 1,915,222, dated June 20, 1933. Divided and this application June 13, 1933, Serial No. 675,620
3 Claims. (Cl. 265—68)



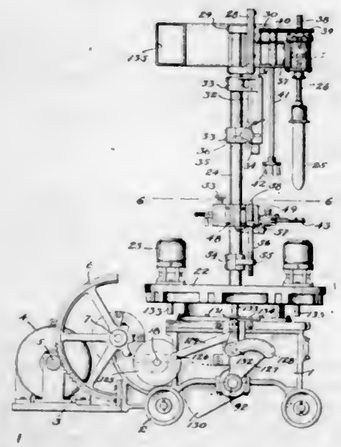
1. In a bathroom scale, a stationary portion including a base, lever mechanism mounted on the base, a platform mounted on said lever mechanism and movable with respect to the base, a dial rotatably mounted on said base and extending thereabove, said stationary portion including a casing enclosing said dial, said casing having an aperture therein, a pair of threadedly engaging members one of which passes through said aperture and engages with a part of said stationary portion, and a spring connected to the other of said members and to said lever mechanism.

1,980,046
WAGON HITCH
Carl J. Frederiksen, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 10, 1931, Serial No. 580,107
24 Claims. (Cl. 280—33.44)



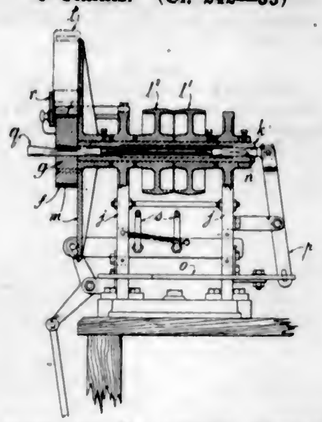
20. A draft connection between a tractor and an agricultural implement and a wagon disposed at one side thereof, comprising means connecting the tractor with the implement, a generally laterally extending structure connecting said implement with the wagon, means providing for the transmission of draft between the tractor and the laterally extending structure, a draft transmitting element connected with said wagon and extending longitudinally thereof, and releasable friction means fixing the intermediate portion of said draft transmitting element with respect to the laterally outer end of said structure.

1,980,047
GLASS FORMING MACHINE
Ira H. Freese, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia
Original application March 25, 1926, Serial No. 97,396. Divided and this application March 15, 1932, Serial No. 599,025
6 Claims. (Cl. 49—5)



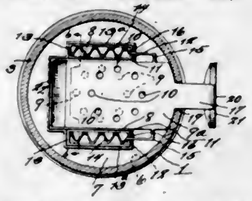
5. A glass forming machine, including a plurality of molds, means for controlling the feeding of glass gobs to the molds, and means for varying the number of gobs fed to each mold.

1,980,048
LADDER WEB OF VENETIAN BLINDS
George Frederick French, Manchester, England
Application May 11, 1932, Serial No. 610,565
In Great Britain June 16, 1931
6 Claims. (Cl. 242—55)



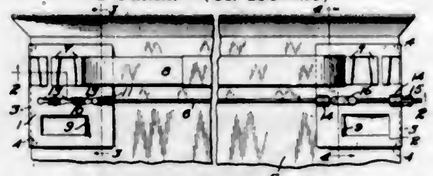
2. An apparatus for reeling Venetian blind ladder web, comprising a power shaft, a pair of machine frames forming bearings for said shaft, a disc mounted on and rotating with said shaft, a circular expandible reeling block carried by and rotating with said shaft, said block being composed of two segments with means to yieldingly draw said segments together, an open-ended sleeve surrounding the block, and a wedge member also carried by the shaft in the rotation thereof and passing between the segments of the block to separate them and force them against the interior face of the sleeve, and a member extending across the disc in spaced relation with the same to guide the web while being reeled, as herein set forth.

1,980,049
CAP FOR DISPENSING CONTAINERS
Alton P. Gainer, Philadelphia, Pa.
Application September 1, 1933, Serial No. 687,858
3 Claims. (Cl. 221—62)



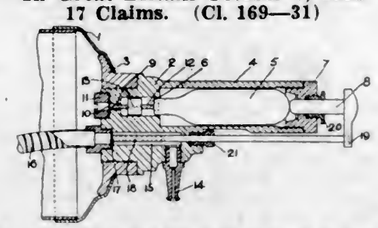
1. The combination with a container body, of a cap for closing said container body, a top wall of the cap proper having a plurality of perforations, a disc fastened within the cap body in a relatively spaced relation to the top wall of the cap to cause a space to be formed, said disc having perforations which register with those in the top wall of the cap, a slide closure mounted for sliding movement in said space and provided with perforations normally out of register with those of the disc and the top wall of the cap, said disc having guide members for the slide closure, said disc on its top face having additional guide members parallel with the first guide members and spaced therefrom thereby causing chambers to be formed, tensioning means mounted in said chambers and provided with connections to the slide closure, and means carried by the slide closure and projecting through the cylindrical wall of the cap and terminating in a thumb element whereby the slide closure may be actuated against its tensioning means.

1,980,050
SHADE, CURTAIN, AND DRAPERY HOLDER
Michael Gendich, Jeannette, Pa.
Application February 3, 1934, Serial No. 709,651
1 Claim. (Cl. 156—23)



A holder comprising a pair of plates to engage with a window frame, flanges on said plates to engage the side edges of the window frame, means for securing to said plates curtain and drapery rods, means for connecting a shade roller to said plates, one of said plates having offsets to form spaced sleeves, a rod having a screw threaded portion received in said sleeves and provided with means to contact with the last-named plate to prevent rotation of the rod, a nut threaded to the rod and engaging one of the sleeves, said other plate having an offset to form a channel opening outwardly through the outer face of said last plate to receive the other end of said rod, said last-named offset having a series of keyhole slots communicative with the channel, a head formed on the last-named end of the rod and received in any one of said keyhole slots.

1,980,051
FIRE EXTINGUISHER
Hubert Berger Graham, London, and Stanley Francis Warren, Harrow, England
Application November 29, 1933, Serial No. 700,296
In Great Britain October 7, 1932
17 Claims. (Cl. 169—31)



1. A fire extinguisher comprising a container for a fire extinguishing liquid, a frangible capsule containing gas under pressure, a seal for separating the capsule from the contents of the container, a double-ended piercer arranged between said capsule and seal and constructed and arranged to pierce said capsule and seal, a passageway establishing communication between the capsule and container when the capsule and seal are pierced to allow the gas to pass into the container and an outlet from said container through which the extinguishing liquid may be discharged.

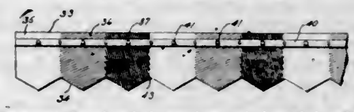
1,980,052
VALVE FOR GAS PILOT LIGHTS
Edwin L. Hall, Philadelphia, and Edward J. Brady, Lansdowne, Pa.; Adele S. Brady, administratrix of said Edward J. Brady, deceased, assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 24, 1933, Serial No. 681,938
5 Claims. (Cl. 158—115)

2. A gas pilot light valve structure comprising a body having an internal spiral gas way and also having an internal circular series of parallel gas channels communicating respectively with different turns of the spiral gas way, means for



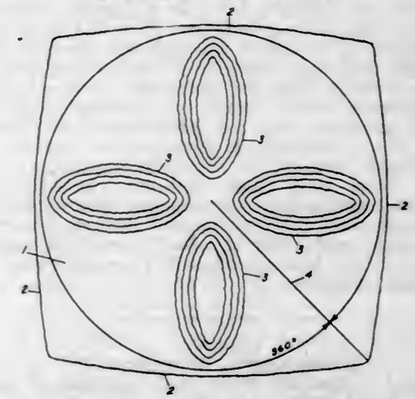
introducing gas to the spiral gas way, a gas outlet, and a turnable valve having a cavity adapted to connect the gas outlet with the respective gas channels.

1,980,053
SHINGLE AND METHOD OF MANUFACTURING THE SAME
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application May 26, 1930, Serial No. 455,842
8 Claims. (Cl. 108—33)



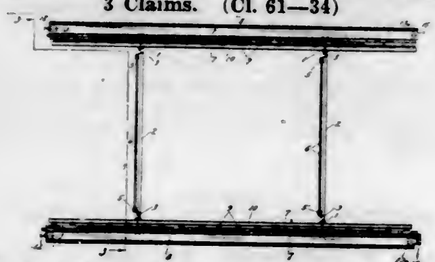
1. The method of forming strip shingles comprising severing a traveling web along a line extending longitudinally of the web to form shingle strips having edges provided with tabs and recesses, applying to a face of said web while the latter is in travel, a continuous band presenting locking members spaced apart thereon at positions corresponding to the spacing of the tabs on the shingle strips to position all of the locking members at definite points with relation to all of the tabs and recesses.

1,980,054
VENEER
Robert N. Hartzell, Piqua, Ohio, assignor to Hartzell Industries, Inc., Piqua, Ohio, a corporation of Ohio
Original application January 26, 1931, Serial No. 511,238. Divided and this application December 18, 1931, Serial No. 581,901
1 Claim. (Cl. 20—89)



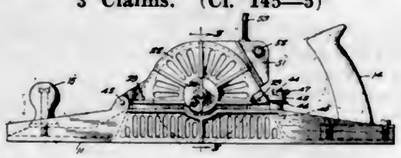
A new article of manufacture for use as veneer comprising a continuous spiral strip of veneer the outer edges of which are straight, whereby said strip will form a continuous substantially square veneer sheet.

1,980,055
COFFERDAM FRAME
Stephen A. Healy, Chicago, Ill., and Jesse J. McShane and Nels Carr, Davenport, Iowa; said McShane and said Carr assignors to said Healy
Application September 24, 1932, Serial No. 634,636
3 Claims. (Cl. 61—34)



1. A cofferdam frame composed of a plurality of separately fabricated units to be connected in end to end relation, each unit comprising two laterally spaced series of substantially upright posts, the posts of one series being arranged opposite those of the other series, vertically spaced cross ties connecting the opposed posts of the two series, brace rods each connected at one end to one end of a cross tie and at its other end to the opposite end of another cross tie, said rods being diagonally arranged and intersecting each other, horizontal vertically spaced side rails secured to the outer faces of the posts on both sides of the unit, similar rails carried by said posts and spaced laterally from the first mentioned side rails to form plank receiving pockets, and means on both ends of each unit for connection with similar units.

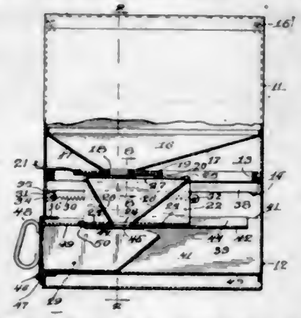
1,980,056
POWER ACTUATED HAND PLANE
Hans U. Hedeby, Youngstown, Ohio
Application February 8, 1933, Serial No. 655,818
3 Claims. (Cl. 145—5)



1. A tool of the character indicated comprising a stock, a casing mounted upon the stock and permanently closed at one side but having a removable end case cover at the other side, a stationary shaft disposed centrally in the casing and secured in the closed side thereof, a motor stator mounted upon said shaft and fixed thereto, a rotor disposed in surrounding relation to the stator, means for rotatably supporting the rotor from said shaft including anti-friction bearings, and a tool carrying member encircling the rotor, the shaft projecting through the end case cover and being terminally provided with a wing nut for bearing on said cover to retain it in closed position.

1,980,057
DISPENSING APPARATUS
Michael J. Horkavi, Gary, Ind., assignor of one-half to William L. Evans, Gary, Ind.
Application January 15, 1934, Serial No. 706,633
11 Claims. (Cl. 221—104)

1. In dispensing apparatus, the combination of a case, having a guideway therein, a reservoir above the case, having a discharge opening, a reciprocatory, spring actuated measuring receptacle in the case, below the reservoir, a horizontal wall below the measuring receptacle, having an opening therein, and a removable scoop having a top wall adapted when the scoop is inserted into the guideway, to encounter and move said measuring receptacle, said scoop being arranged to stand beneath the opening in



said horizontal wall, said measuring receptacle having an inlet opening in its top wall adapted to register with the discharge opening in the reservoir when the scoop is withdrawn, and said measuring receptacle having an outlet opening in its bottom adapted to register with the opening in said horizontal wall when the scoop is inserted and the measuring receptacle is moved back.

1,980,058
KNIFE
Alton P. B. Hourin, Camillus, N. Y., assignor to Camillus Cutlery Company, New York, N. Y., a corporation of New York
Application February 5, 1934, Serial No. 709,733
2 Claims. (Cl. 30—10)



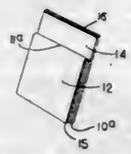
1. In a knife, a handle including a metallic side plate having a portion of the body of said plate outwardly struck to define an offset portion disposed in a plane substantially parallel with the plane of the side plate and overlying the opening in the body of the side plate from which it is struck and connected therewith along one of its marginal edges, a face plate secured against the outer face of the side plate and provided with an opening extending therethrough of a size and so located as to snugly receive the offset portion of the side plate to provide an escutcheon plate embedded in the body of the ornamental face plate.

1,980,059
PAPER NAPKIN
Morris Housen, Erving, Mass.
Application May 9, 1934, Serial No. 724,711
2 Claims. (Cl. 206—57)

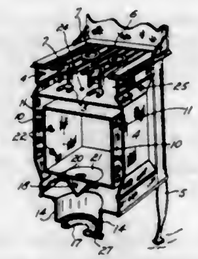
1. A folded napkin to be stored in and dispensed from a napkin dispenser, said napkin being formed from a sheet of paper folded along parallel lines to provide an elongated plural-ply strip, said strip being folded in zigzag fashion along parallel lines extending transversely to the first lines of fold to present a folded napkin having two smaller plural-ply sections and another plural-ply section longer than the other

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sections, the smaller sections being connected by a fold extending transversely of the folded napkin and spaced from the end of the longer section.



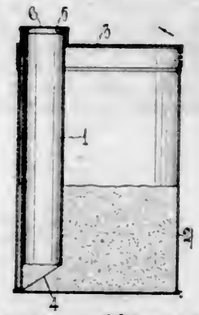
1,980,060
COOKING STOVE
James Dowson Jackson, Artarmon, near Sydney, New South Wales, Australia
Application November 26, 1931, Serial No. 577,404
In Australia November 26, 1930
1 Claim. (Cl. 126—39)



A cooking stove of the class described, comprising a shell having a small aperture in its top to allow extraneous combustible gas to escape therefrom, an oven in said shell of such size and so disposed as to provide a confined space around the oven and between the walls of the latter and of the shell for passage of heating gases, a flue at the bottom of the shell for conducting the heating gases into the said confined space, a pivotally mounted gas burner situated immediately below said flue and arranged to be swung away therefrom, and a conical deflector depending below an aperture in the base of the oven and directly above the gas burner, for distributing the heating gases from the burner throughout the said confined space, the base of said deflector being surrounded by an annular space adapted to admit heating gases to the interior of the oven and a closure plate adapted to fit in the said aperture in the base of the oven.

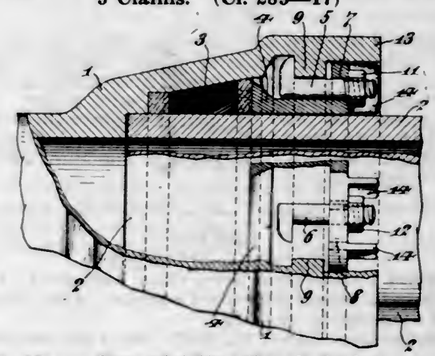
1,980,061
MEASURING CONTAINER FOR POWDERED AND GRANULAR SUBSTANCES
Robert James Jackson, Wanganui, New Zealand
Application May 27, 1932, Serial No. 613,995
In New Zealand April 22, 1932
2 Claims. (Cl. 221—98)

1. Means for holding and measuring small quantities of powdered dry material comprising a vessel, a cover for the vessel, provided with a hole, a cylindrical tube removably arranged in the vessel and extending from the bottom of the vessel and projecting through the hole in the cover said tube being provided with an emission opening at its lower end for measuring definite quantities of material to be poured, means secured to said cover adjacent to said hole for anchoring the tube and preventing displacement



thereof and a cap removably engaged with said means for closing the tube.

1,980,062
BOLTED PIPE JOINT
Price W. Janeway, Jr., Media, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 24, 1933, Serial No. 681,941
5 Claims. (Cl. 285—17)

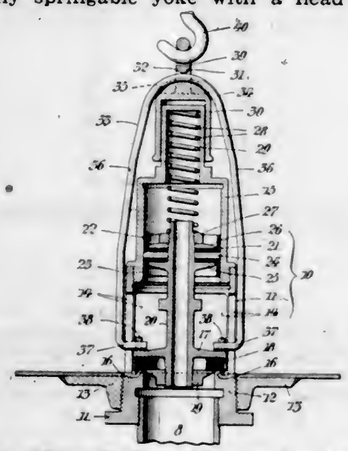


5. Means for restricting the electrolytic corrosion loss of metal from the bolts and nuts of pipe joints, comprising the combination with bell and spigot sections of the pipe joint and the follower ring of the pipe joint, of an internal flange arranged on the bell section, an external flange on the follower ring, an extension of the bell with the spigot defining a pocket, hook bolts engaging the internal flange on the bell section, nuts on the bolts arranged in the pocket, and insulating material enveloping the nuts and arranged in the pocket.

1,980,063
EMERGENCY VALVE FOR VEHICLE TANKS
James A. Jensen, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a corporation of Pennsylvania
Application September 28, 1932, Serial No. 635,173
5 Claims. (Cl. 137—21)

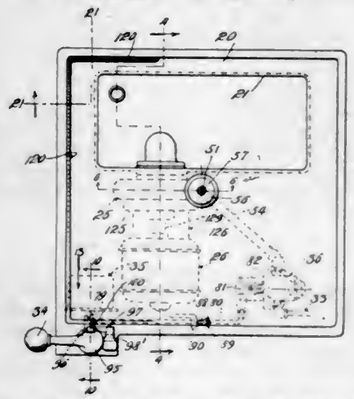
4. A balanced emergency valve for vehicle tanks comprising a tubular housing screwable into a bottom outlet of the tank, which outlet may be connected to a pressure source of supply of the liquid with which the tank is to be filled; a discous closure member embodying an open-ended hollow stem, said member cooperating with a seat in a laterally ported lower portion of the housing open to the interior of the tank; a coaxial cylinder at the top of the housing with a reduced axial extension; a piston in the cyl-

inder carried by the open hollow stem of the discous closure member; a comparatively light helical spring within the cylinder exerting its force between the axial extension and the piston to normally hold the closure member on its seat; a thimble-like guide member slidable on the reduced axial extension of the cylinder; a laterally springable yoke with a head portion



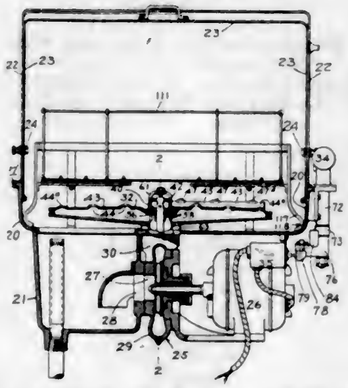
engaging through the guide member and pendant extremities reaching down opposite sides of the valve casing to engage apertured ears on the discous closure member; and means for actuating the valve to open it against the force of the spring including a connection downward through the tank from above to the guide member aforesaid.

1,980,064
WASHING MACHINE
Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application March 31, 1928, Serial No. 266,258
21 Claims. (Cl. 141—9)



13. In a washing machine, the combination of a wash distributor, a rinse distributor, a tank having a movable closure member to confine the liquids from the distributors, a pump for supplying liquid to the wash distributor, a motor driving said pump, a switch controlling the supply of electricity to the motor, a valve controlling the supply of liquid to the rinse distributor, operating means for the valve and switch movable from neutral to actuating positions, and interlocking means effective between the movable closure member and the operating means to retain the operating means in neutral position except when the closure member is closed, and to retain the closure member in closed position with the operating means in actuating positions.

1,980,065
WASHING MACHINE
Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Original application March 31, 1928, Serial No. 266,258. Divided and this application March 20, 1929, Serial No. 348,629
17 Claims. (Cl. 299—70)

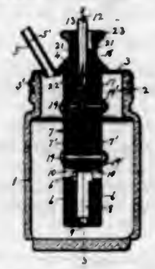


1. In a washing machine, a combined wash and rinse distributor having wash and rinse spray nozzles and formed to provide a central upper rinse chamber in communication with the rinse nozzles and having holes of equal diameter in its top and bottom, a central lower wash chamber in communication with the wash nozzles and having larger holes of equal diameter in its top and bottom, an intermediate chamber in communication with the rinse chamber through the lower hole thereof and in communication with the wash chamber through the upper hole thereof, and a relief passage extending from said intermediate chamber through the outer wall of the distributor.

6. In a washing machine of the character described, a source of supply of a washing liquid, means for supplying said washing liquid under pressure, and a source of supply of a pressure liquid of different character; a rotary distributor having communication with said means for supplying washing liquid, said distributor being adapted to be rotated when washing liquid is supplied thereto by said supplying means, a member adapted to rotate with said rotary distributor and in communication with said source of supply of the pressure liquid of a different character, the washing liquid supply being maintained entirely separate from the different pressure liquid supply, means controlling the supply of said liquids so that only one liquid is supplied at a time, said means having provisions arranged to cut off the supply of washing liquid to said distributor and to rapidly turn on the supply of the pressure liquid of different character to said member, whereby momentum of the rotary distributor and member produced during washing operation is used to assist in the distribution of the pressure liquid of different character after the washing liquid is cut off, and jets carried by said member so arranged and directed that reactive force of liquid discharged under pressure through said jets after the washing operation does not oppose the continued rotative movement of the distributor and member due to momentum acquired during the washing operation.

16. The method in the distributing of different liquids, which comprises supplying a liquid under pressure from one source to and discharging it from a movable distributor in such a manner as to cause the flow of liquid through said distributor to effect movement thereof to thereby distribute the liquid over a predetermined area, cutting off the supply of said liquid to the distributor, and promptly supplying another liquid from a different and separate source to and discharging it from the distributor while it is still moving due to the momentum imparted to it during the first operation in such a manner that the flow of liquid through said distributor avoids overcoming the inertia of the distributor and adds to its retained momentum to thereby maintain the movement of the distributor so as to distribute said other liquid over substantially the same area while utilizing a relatively small quantity of said other liquid.

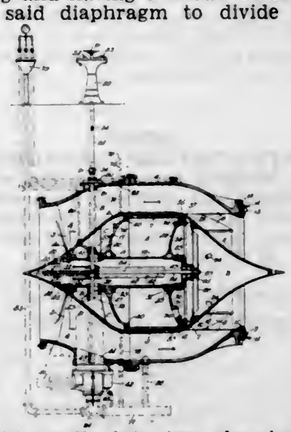
1,980,066
ELECTRIC VAPORIZER
Max Katzman, Utica, N. Y., assignor to Kaz Manufacturing Company, Inc., Utica, N. Y., a corporation of New York
Application March 3, 1930, Serial No. 432,841
12 Claims. (Cl. 219—40)



1. In an electric vaporizer of the character described, a container for the liquid to be vaporized having a removable cover and a vapor outlet therein, a pair of upright insulator sections secured to the cover and arranged in opposed abutting relation within the container and provided with similar electrode-receiving chambers in adjacent sides near the lower ends thereof, and a pair of similar electrodes arranged in opposed spaced relation within said chambers to form an intervening liquid space in the plane of the abutting faces of said sections, each insulator section having an opening in the bottom wall of its recess below the corresponding electrode and registering with said space and also provided with an opening in the side wall of its chamber above the adjacent electrode and communicating with said space to allow circulation of the liquid from the lower opening upwardly through said space and outwardly through the side openings.

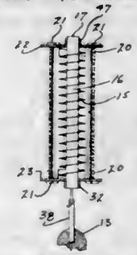
1,980,067
PRESSURE ACTUATED VALVE
Phillip A. Kinzie, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application June 16, 1931, Serial No. 544,880
39 Claims. (Cl. 137—139)

1. A valve of the large size needle type adapted to control fluid flow in large diameter conduits and to be operated by pressure fluid taken from the controlled conduit, said valve comprising a valve housing including a cylindrical needle casing, a tube within said casing and supporting a diaphragm, a needle slidable within said casing and having a needle head cooperating with said diaphragm to divide the space



within said needle into two chambers for receiving pressure fluid, a portion of said casing cooperating with said needle head and needle casing to provide a cavity, and means comprising a permanently open vent for continuously maintaining a substantially atmospheric pressure within said cavity.

1,980,068
ELEMENT STRUCTURE FOR ELECTRON DEVICES
Walter Louis Krahl, Montclair, N. J., assignor, by mesne assignments, to Arcturus Development Company, a corporation of Delaware
Application January 25, 1930, Serial No. 423,505
16 Claims. (Cl. 250—27.5)

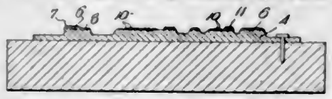


1. In an electron device a tubular anode, an insulating plate attached to one end of said anode, an insulating plate secured on the other end of said anode, a cathode adjacent said anode and extending between said insulating plates and supported thereby, a transverse strap of metal secured to said cathode and in contact with said first insulator plate, and a transverse strap of metal secured to said cathode and in contact with said second insulating plate, whereby heat is conducted laterally away from the ends of said cathode.

1,980,069
PROCESS AND PLATE FOR COLOR PRINTING
Barnard J. Lewis, Brookline, Mass.
Application December 24, 1930, Serial No. 504,645
14 Claims. (Cl. 101—401.1)

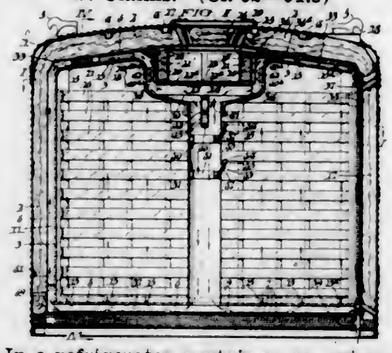
1. A process of preparing a printing plate, which consists in coating the surface of the plate at predetermined areas with a viscous.

hard-drying medium to produce variations in the level of the printing surface, whereby the



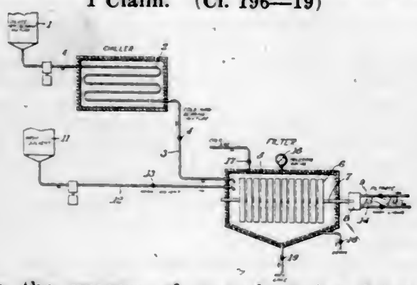
resulting print exhibits tonal values corresponding to said level variations.

1,980,070
REFRIGERATOR CONTAINER
William J. Madden, Lansdowne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 10, 1933, Serial No. 679,746
27 Claims. (Cl. 62—91.5)



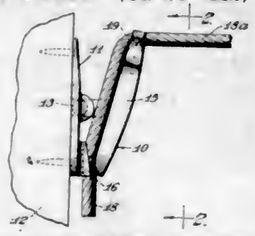
1. In a refrigerator container, an outer casing lined with insulating material, an inner shell enclosing the lading and defining with said casing a circulatory passage for air, and a bunker for solid carbon dioxide disposed within said outer casing in indirect contact with said air passage, portions of said air passage being thermally exposed through said outer casing to the atmosphere to heat the air in said passage and promote its circulation.

1,980,071
SEPARATION OF WAX FROM HYDROCARBON OILS
Robert E. Manley, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 20, 1931, Serial No. 531,648
1 Claim. (Cl. 196—19)



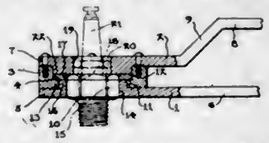
In the process of manufacturing lubricating oil from wax-bearing mineral oil comprising mixing the oil with a solvent comprising acetone and benzol mixed in substantial proportions, chilling the resulting mixture to a temperature of 0° F. or lower to effect precipitation of solid hydrocarbons and introducing the chilled mixture to pressure filtering means to remove the solvent and liquid hydrocarbons and form a filter cake of solid hydrocarbons, the steps comprising introducing acetone and benzol mixed in substantially the same proportions and chilled to a temperature of 0° F. or below to the filtering means simultaneously with the cessation of flow of filtering mixture thereto, whereby the filter is maintained full of liquid and a plus liquid pressure is continuously maintained upon the filter cake throughout filtration and the subsequent cake washing step, thereby preventing fracturing or dislodgment of the cake, continuing the flow of said solvent through the cake, in situ, to remove adhering and entrained liquid hydrocarbons therefrom, and while uninterruptedly continuing the positive pressure within the filter forcing a cool gas through the washed cake to remove retained solvent liquid.

1,980,072
ROPE AND CABLE HOLDER
Carl K. Mattson, Chicago, Ill.
Application March 15, 1933, Serial No. 660,942
5 Claims. (Cl. 24—132)



1. A rope or cable holder comprising a bracket for attachment to a support, said bracket having a guiding groove formed on the front face thereof for the reception of a rope or cable, and a latching dog pivotally mounted on the bracket having a lower end portion for binding the rope or cable in said groove, said dog having a guiding groove formed in its upper end portion for the reception of the rope or cable.

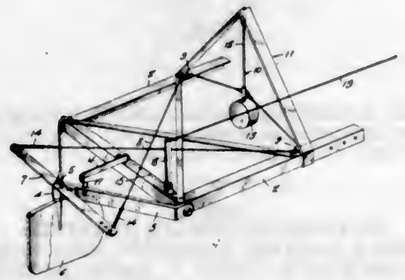
1,980,073
SPARK PLUG WRENCH
John H. Melvin, Rochester, N. Y.
Application July 1, 1933, Serial No. 678,676
2 Claims. (Cl. 81—55)



1. A spark plug wrench comprising two wrench members having polygonal openings of different sizes to fit the wrench receiving portions of a spark plug, said wrench members being provided with short integral cylindrical bosses of substantially the same length and entirely surrounding the respective polygonal openings and forming extensions directed inwardly toward each other transversely of the wrench members, a cylindrical bearing member having a central opening therein which loosely embraces and conceals both of said bosses and which spaces the wrench members apart, and a retaining ring concealed within and overlying a portion of said bearing member and interposed between said bosses in engagement with the opposed faces of the latter and secured to one of the bosses, whereby the latter boss is retained within said bearing member and the respective wrench members thereby

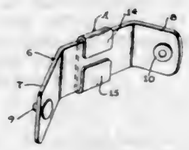
swiveled in the bearing member, and means for securing the other wrench member to the bearing member for retaining the respective bosses within the bearing member.

1,980,074
CORN PLANTER ATTACHMENT
Albert Miller, Mondovi, Wis.
Application November 6, 1933, Serial No. 696,870
4 Claims. (Cl. 97—233)



1. An attachment for a planter frame comprising an auxiliary frame adapted to be secured to the rear end thereof, a ground rudder carried by the auxiliary frame and a pendulum connected to said rudder and mounted to said auxiliary frame to swing laterally thereof for effecting operation of the rudder on a hillside.

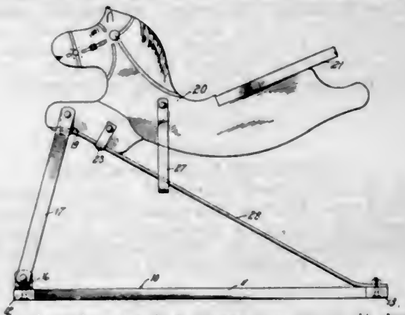
1,980,075
ORNAMENTAL INITIAL AND INSIGNIA DEVICE
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application March 14, 1934, Serial No. 715,526
2 Claims. (Cl. 40—21)



1. A device of the character described comprising a flexible band and a metal plate disposed against the outer face of the band and having oppositely disposed portions bent over the upper and lower edges of the band against the inner face of the band to hold the plate on the band, the ends of the band being foldable into overlapping relation at the rear of the plate and detachably secured together to form a loop with said oppositely disposed bent portions of the plate disposed within the loop when the ends of the band are connected together.

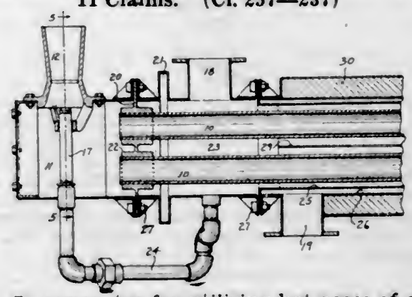
1,980,076
TOY
Charles W. Morgan, Chicago, Ill., and Herbert M. Kahn, Appleton, Wis.
Application June 17, 1931, Serial No. 544,940
6 Claims. (Cl. 272—55)

1. A device of the character described, including a flat spring, a base to which one end of the spring is secured, a tiltable rigid support loosely connected to said spring and said support to hold it in slanting position, and a seat secured to the other spring end, said seat extending over



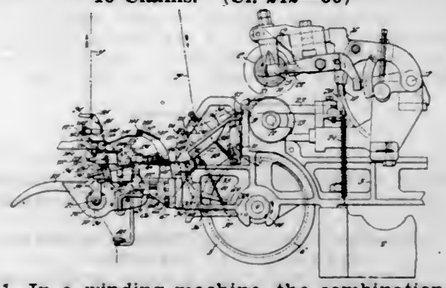
said spring to exert a pressure upon it intermediate the ends thereof.

1,980,077
RECUPERATOR
Theodore W. Munford, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application December 23, 1933, Serial No. 703,761
11 Claims. (Cl. 257—237)



1. In apparatus for utilizing hot gases of combustion from a furnace for preheating air for combustion, the combination of a flue tube, a casing through which the supply of air to be heated flows and the tube extends, said tube being open at one end to the inflow of said gases, and means associated with the other end of the tube for drawing said gases through the tube at a rate proportional to the flow of the air through the casing.

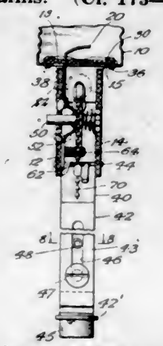
1,980,078
WINDING MACHINE
John Nelson, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application January 30, 1933, Serial No. 654,323
15 Claims. (Cl. 242—36)



1. In a winding machine, the combination of stopping mechanism therefor, means operative

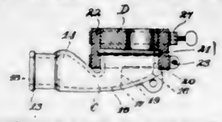
by an enlargement on the yarn feeding to the winding to actuate the stopping mechanism without breaking the yarn, means for starting the operation of the machine, and means actuated thereby to cause the yarn to be seized and broken when an enlargement appears thereon while the stopping mechanism is inoperative.

1,980,079
ELECTRIC LAMP SOCKET
Arvid H. Nero, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application May 24, 1929, Serial No. 365,683
5 Claims. (Cl. 173—354)



1. An electric lamp socket comprising a screw shell, a plurality of substantially parallel spaced insulating plates, a slotted insulating disc within said shell and a single means spacing said plates apart, securing said disc in said shell, and mounting said shell over said plates, in combination with a center contact secured to one of said plates and projecting through a slot in said disc.

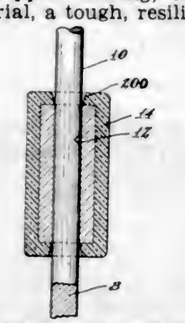
1,980,080
ADJUSTABLE CONNECTER
RB Niles, Minneapolis, Minn., assignor to Marquette Manufacturing Company, Inc., St. Paul, Minn., a corporation of Minnesota
Application May 11, 1931, Serial No. 536,444
10 Claims. (Cl. 285—1)



1. A connecter having a tubular cylindrical end adapted to receive a hose and hose clamp on one end, a flattened head portion on the other end extending along one side of said tubular portion, a connecting collar carried by said flattened portion to provide an angular connection with said tubular portion, a short flexible hose clamped on said collar, a removable adjustable filler washer, and a clamp for supporting said filler washer in the outer end of said hose.

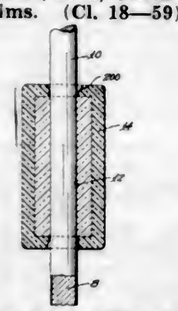
1,980,081
BEARING
Edward J. Ovington, Auburndale, Mass., assignor of one-half to Chester L. Dawes, Cambridge, Mass.
Application July 5, 1928, Serial No. 290,372
4 Claims. (Cl. 308—238)

1. A bearing comprising a shaft having a surface of hard, tenacious metal and a cooperating support having a surface of hard, brittle material; the said support having, combined with the brittle material, a tough, resilient, enclosing



jacket holding the brittle material intimately under compressive stress from all directions except from its bearing surface.

1,980,082
METHOD OF MAKING BEARINGS
Edward J. Ovington, Auburndale, Mass., assignor of one-half to Chester L. Dawes, Cambridge, Mass.
Application April 11, 1932, Serial No. 604,422
4 Claims. (Cl. 18—59)



1. In the making of a bearing of brittle material comprising a body having a concave surface, a process for enhancing the resistance of the brittle bearing-body to disintegration at its working surface, comprising the packing, around the body except the concave surface, of materials for a phenol-formaldehyde condensation process, in form ready for the molding step, and then converting the condensation materials, with applied heat and pressure, into liquid, and thence into solid condition enclosing the said body.

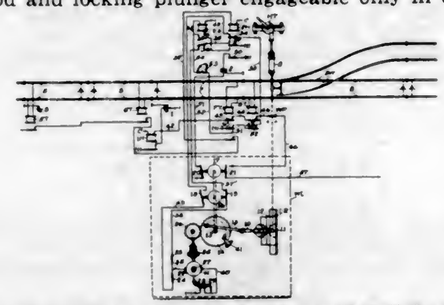
1,980,083
PREPARATION OF ACIDOPHILUS PRODUCTS
William Ludwell Owen, Baton Rouge, La., assignor to Lacto-Yeast Company, Inc., Baton Rouge, La., a corporation of Louisiana
No Drawing. Application February 16, 1932, Serial No. 593,419
6 Claims. (Cl. 167—73)

1. A compressed mass of symbiotically grown *Lacto-bacillus acidophilus* and ordinary yeast.

1,980,084
POWER-OPERATED LOCK FOR SPRING SWITCHES
James A. Peabody, Evanston, Ill., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 2, 1930, Serial No. 465,306
19 Claims. (Cl. 246—160)

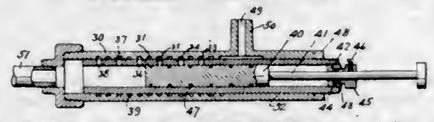
1. In a traffic controlling system for railroads, a track switch, spring means tending to move and

hold said switch in the normal position, a lock rod and locking plunger engageable only in one



position of the switch for locking said switch, and power-operated means for moving said lock plunger to its locked and unlocked positions.

1,980,085
GAS PILOT CONTROL
Joseph A. Perry, Swarthmore, and Edward J. Brady, Lansdowne, Pa.; Adele S. Brady, administratrix of said Edward J. Brady, deceased, assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 24, 1933, Serial No. 681,937
6 Claims. (Cl. 158—115)



3. A valve for a gas pilot light, comprising the combination of three nested elements, a thread tightly fitted between two of said elements and providing a spiral gas way, one of said elements being provided with ports communicating respectively with progressive turns of the thread, a gas intake to the thread, and a gas offtake having a passage arranged for communication with said ports, and at least one of said elements being movable to cover and uncover said ports in respect to said passage.

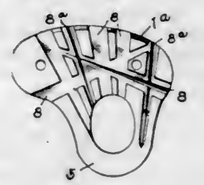
1,980,086
SHOE FASTENER
Henry J. Pote, Swampscott, Mass.
Application October 12, 1933, Serial No. 693,365
4 Claims. (Cl. 24—145)



1. A shoe lace fastening means comprising an open loop, and a grommet integral with one end of the loop, said loop being disposed at a right angle to the grommet and having the free end thereof extending interiorly of the grommet diametrically opposite to the connection of the loop with the grommet.

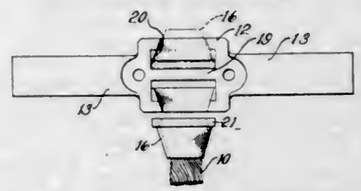
1,980,087
DETACHABLE TOOL HANDLE
Julius H. Rast, Charleston, S. C.
Application December 10, 1932, Serial No. 646,680
16 Claims. (Cl. 145—61)

1. A tool handle adapted to be held in the hand and manipulated by the hand of the operator comprising a pair of members and a pair of screws for securing said members together, said members having a plurality of channels formed therebetween adapted for the reception of the shank



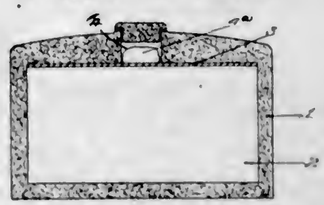
of the tool, said channels each extending in a different direction and passing between said screws.

1,980,088
CONVEYER
Arnold Redler, Sharpness, England, assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application November 12, 1931, Serial No. 574,525
In Great Britain March 18, 1931
3 Claims. (Cl. 198—168)



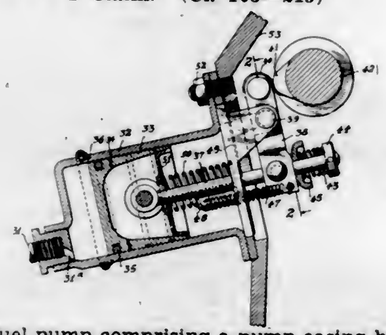
1. In a conveyer of the character described, the combination with a conveyer flight, of a section of a flexible conveyer member having an end provided with a securing member, said flight being provided with a chambered portion formed with a pair of interior recesses having a medial partition and end walls, each provided with a perforation, said securing means being formed with a conical outer surface and a shoulder on the base, said recesses being of sufficient depth to accommodate and support such shoulder, and a removable plate having projections extending into and completing said perforations and adapted to key said securing means in said chambered portion.

1,980,089
REFRIGERATION
Edward Rice, Jr., New York, N. Y.
Application July 7, 1933, Serial No. 679,435
6 Claims. (Cl. 62—91.5)



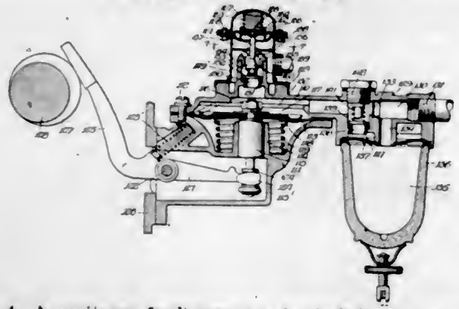
6. In refrigerating apparatus cooled by a solid refrigerant, a space adapted to contain the material to be refrigerated, a solid metallic conductor located at the top of said space, and a refrigerant containing bunker located above a portion only of said conductor, the said conductor being formed by a substantially horizontal plate which forms the principal path of heat transfer between said space and the solid refrigerant.

1,980,090
IMPULSE FUEL FEEDING DEVICE
Edward A. Rockwell, Long Island City, N. Y.
Original application September 3, 1927, Serial No. 217,422. Divided and this application December 17, 1928, Serial No. 326,688
1 Claim. (Cl. 103—215)



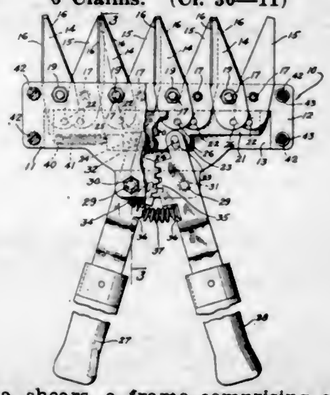
A fuel pump comprising a pump casing having a pumping chamber therein, a reciprocable pumping member forming a movable wall of said pumping chamber, said casing having a cavity therein on the opposite side of said pumping member from said pumping chamber, said pump casing being adapted for mounting on an engine casing adjacent an aperture thereof, whereby said casing cavity is in communication with the interior of said engine casing, an operating stem secured to said pumping member adapted to protrude into said engine casing from said cavity, an operating lever pivotally supported by said pump casing intermediate its ends and adapted to be positioned entirely within said engine casing, said lever being in operative engagement with said stem at one end and adapted for cam actuation at its other end.

1,980,091
FUEL PUMP
Edward A. Rockwell, Chicago, Ill.
Application September 10, 1930, Serial No. 480,865
6 Claims. (Cl. 103—40)



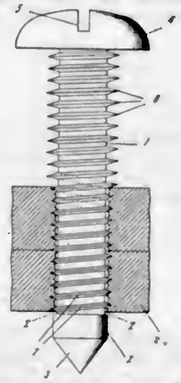
4. A unitary fuel pump adapted to be cam-actuated by the engine for delivering fuel from a supply tank to a carbureter of an engine, a pumping chamber therein, a delivery passage leading therefrom, a check valve controlling said delivery passage for one-way flow therethrough, a chamber in said delivery passage on the discharge side of said check valve, an outflow connection below the top of the chamber, a flexible diaphragm closing the top of said chamber and a valve in the delivery passage normally held in open position by said diaphragm whereby the vapor pressure trapped in said chamber and acting on said diaphragm causes the closing movement of said valve to prevent the passage of fuel to the discharge side of said valve.

1,980,092
TRIMMING SHEARS
Edward Rose, Greenwich, Conn., assignor to Philip Milton Martin, Stamford, Conn.
Application February 7, 1933, Serial No. 655,564
6 Claims. (Cl. 30—11)



5. In a shears, a frame comprising a pair of plates arranged in opposing relation and each having an elongated recess in its inner face, a slide in each of said recesses and each slide lying substantially flush with the inner surface of its plate, two series of individual double edged blades having their inner ends extending between said plates, individual means pivoting the individual blades to the plates intermediate the ends of the blades and forwardly of the recesses in the plates, means pivotally connecting the inner ends of the blades of the respective series with the respective slides, a pair of handles pivoted intermediate their ends to the plates and extending between them, pin and slot connections between the inner ends of the handles and the respective slides whereby on movement of said handles toward and from each other the slides are reciprocated in the recesses and the blades are oscillated about their pivots, and the end walls of the recesses forming stops for the slides to limit their longitudinal movement in each direction.

1,980,093
ANCHORAGE DEVICE
Heyman Rosenberg, New York, N. Y.
Original application January 16, 1925, Serial No. 2,874. Divided and this application May 13, 1925, Serial No. 30,008
2 Claims. (Cl. 85—46)



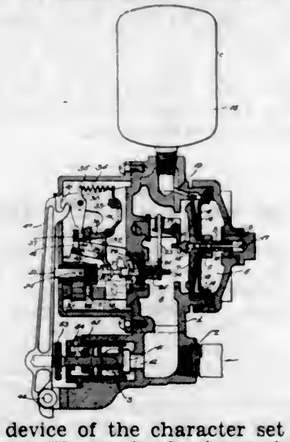
1. An anchorage device comprising a pin-like body and a single continuous thread of constant pitch outstanding therefrom hardened sufficiently for entering metal, such as soft iron or soft steel, substantially without injury to the thread, said thread comprising alined and joined sections of geometrically similar cross-section, each section outstanding from the body a constant distance and being of substantially uniform cross section within its own limits throughout its length, the section adjacent the entering end of the body outstanding a less distance than the next succeeding section, and each section being of a length greater than a helix.

1,980,094
BOTTLE CLOSURE CAP RELEASING MEANS AND CAPS ASSOCIATED THEREWITH
Edwin Ralph Rossiter, Sydney, New South Wales, Australia
Application March 29, 1933, Serial No. 663,412
In Australia April 19, 1932
3 Claims. (Cl. 215—46)



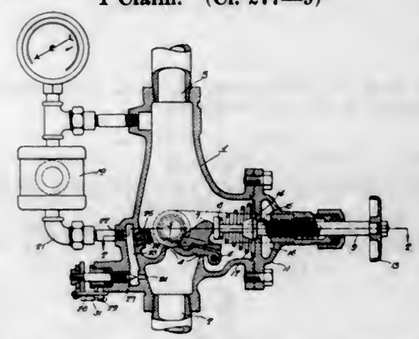
1. A goffered bottle cap having a partially peripheral groove on its undersurface forming a ridge on the upper surface with a re-entrant angle and a loop formation of wire the curved extremities of which lie within the peripheral groove, pass along an interior goffering groove over the edge of the cap and along an exterior goffering groove the loop of the wire lying within a recess defined by the re-entrant portion of the ridge.

1,980,095
ALARM FOR FIRE EXTINGUISHING SYSTEMS
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 2, 1934, Serial No. 713,721
2 Claims. (Cl. 169—23)



2. In a device of the character set forth, the combination with a casing having main and pressure chambers and a port communicating with said main chamber, of a flexible diaphragm separating said chambers, a restricted passage connecting said chambers, alarm control means mounted in said casing, releasable means for retaining said control means in alarm-inoperative condition, trip mechanism operatively connecting said retaining means with the flexible diaphragm, said trip mechanism comprising a second flexible diaphragm constituting a portion of the wall of said main chamber, a latch carried by said second diaphragm, and a mechanical connection between said second diaphragm and the diaphragm first named.

1,980,096
CONTROL VALVE
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application February 24, 1933, Serial No. 658,410. Divided and this application March 16, 1934, Serial No. 715,954
1 Claim. (Cl. 277—9)



In a valve of the stated type, the combination with a casing having intake and discharge ports, of a valve element seating in said casing and normally separating said ports, a drain port in said casing, a valve normally closing said port and having a stem threaded into said casing, a plunger slidable in a longitudinal recess in said stem and projecting beyond the inner end thereof, and a spring resiliently advancing the projecting end of said plunger into engagement with the valve element first named and tending resiliently to retain the element on its seat, said threaded stem being rotatable from the exterior of the casing to unseat its valve from the drain port and to bring said valve into locking engagement with said plunger to retain the plunger in position preventing movement of the said valve element from its seat.

1,980,097
MOTOR FUEL LUBRICATING AND ANTI-KNOCK MATERIALS
George F. Ruddies, Chicago, Ill.
No Drawing. Application February 7, 1930, Serial No. 426,775
7 Claims. (Cl. 44—9)

2. A composition of the character described, comprising a mixture of a hydrocarbon fuel and dibutyl phthalate and oxalate containing vanadium chloride.

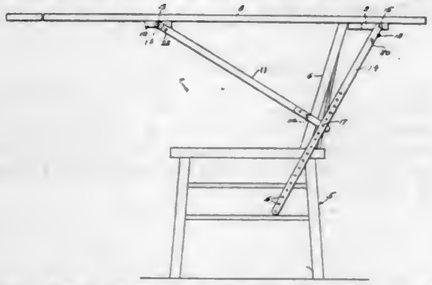
3. A composition of the character described, comprising a mixture of a combustible organic compound with a liquid ester of a dibasic carboxylic acid, graphite and vanadium chloride.

4. A process for retarding knocking in and removing carbon deposits from the cylinders of an internal combustion engine, comprising introducing dibutyl phthalate into a vaporized stream of fuel to be burned in said engine.

1,980,098
IRONING BOARD
Marcus J. Rutledge, Los Angeles, Calif.
Application December 8, 1933, Serial No. 701,516
3 Claims. (Cl. 68—10)

1. A chair attachable ironing board comprising a board, a pair of depending leg members having longitudinally spaced openings therein, a pair of

depending leg members swingably connected to the board and each provided with a pintle at its



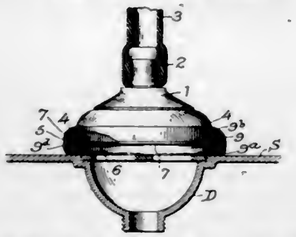
free end for disposition through corresponding openings in the leg members.

1,980,099

OBSTRUCTION REMOVER FOR SINK DRAINS AND THE LIKE

William F. Schacht, Huntington, Ind.

Application June 27, 1934, Serial No. 732,700
3 Claims. (Cl. 4—256)



1. In combination with a head having an open face and having an annular exterior rib adjacent the open face, a plate across the open face of the head having one or more relatively large openings substantially axially disposed therein, and a resilient bumper ring of substantially rectangular cross-section stretched around the rib making a tight contact therewith, the ring protruding beyond the plate face; and the inner wall of the ring contacting with the head.

1,980,100

ELECTROMAGNETIC PROCESS FOR SURVEYING THE DEVIATIONS OF DRILL HOLES

Conrad Schlumberger, Paris, France, assignor to Societe de Prospection Electrique, Procedes Schlumberger, Paris, France, a corporation of France

Application January 23, 1932, Serial No. 588,446
In France December 8, 1931
1 Claim. (Cl. 33—205)

An apparatus adapted to be lowered into a drill hole for determining at a given depth the angle of inclination of the hole from the vertical and the azimuth of said inclination with respect to the magnetic North at the given depth, said apparatus comprising an induction compass having two pairs of brushes disposed at right angles to each other; means for rotating the coil of said compass uniformly around an axis parallel to the axis of the hole; a magnetized pendulum and means for freely suspending the same at a point on the prolongation of the axis of rotation of said coil, so that the electromotive forces induced in the coil respectively by the earth's magnetic field and by the magnetized pendulum are measured by the changes in potential produced between the two brushes of each pair of brushes of the compass, the inclination and the azimuth of the drill hole being determinable from said latter data; and



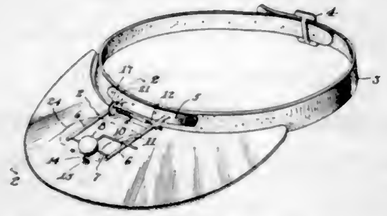
means for communicating between said apparatus and suitable measuring devices at the surface.

1,980,101

HEAD-DOWN PERSUADER

Adolph P. Schneider, Allentown, Pa.

Application January 6, 1934, Serial No. 705,639
17 Claims. (Cl. 2—10)



1. A device of the character described comprising a support adapted to be worn upon the head, a screen associated with the support and means positively maintaining said screen normally disposed beyond the field of vision of the wearer, and control means operable by a jerk of the head for releasing said screen and causing said screen to intercept the field of vision.

1,980,102

METHOD OF MANUFACTURING SECONDARY AROMATIC AMINES

Waldo L. Semon, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 15, 1929, Serial No. 340,339
15 Claims. (Cl. 260—128)

1. The method of making an anti-oxidant consisting of a mixture of secondary aromatic amines which comprises reacting an unsubstituted primary arylamine with a substance selected from the class consisting of p-aminophenol and its homologues under substantially anhydrous conditions in the presence of a catalyst selected from the class consisting of hydrohalic acids and iodine.

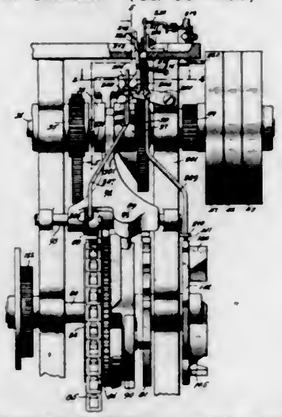
10. An anti-oxidant consisting of a mixture of secondary aromatic amines resulting from the reaction of an unsubstituted primary arylamine with a substance selected from the class consisting of p-aminophenol and its homologues under such conditions that both water and ammonia are eliminated.

1,980,103

STOP MOTION DEVICE

Gale W. Shuford, Beler F. Childres, and Frank Christian, Drexel, N. C., assignors to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts

Application November 12, 1932, Serial No. 642,424
20 Claims. (Cl. 66—157)



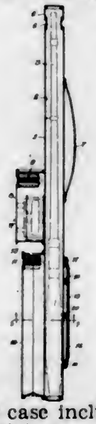
1. In a circular knitting machine including a stop motion, a pattern chain for effecting rotation of a control shaft driving the pattern drum and other machine control mechanisms, and a pawl controller actuated by the pattern chain, the combination of a safety device comprising a lever for actuating the stop motion, verifying cams on the control shaft, and means extending between the lever and pawl controller and between the lever and verifying cams to actuate the lever and stop motion when the pattern chain and verifying cams are not properly synchronized.

1,980,104

FISHING TACKLE CASE

Morris Silverspitz, Brooklyn, N. Y.

Application March 30, 1934, Serial No. 718,269
4 Claims. (Cl. 43—26)



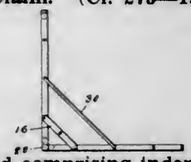
1. A fishing tackle case including a rod-receiving body, a reel-receiving pocket on one side of the body, a miscellaneous article-receiving pocket on the same side of the body as the reel-receiving pocket, and a hook-receiving pocket connected to the case on the opposite side of the body to the miscellaneous article-receiving pocket, said hook-receiving pocket having as its inner wall one wall of said body and having for its outer walls a pair of flaps secured along one edge to the side edge of the body, and along one end of each flap to the body, said flaps overlapping at a central point, and a plurality of locking tabs arranged interiorly of the flaps, each pair of tabs having snap fasteners for normally holding the same together and the pocket closed.

1,980,105

CONVERTIBLE GAME BOARD

William E. Staff, Jenkintown, Pa.

Application April 21, 1933, Serial No. 667,268
1 Claim. (Cl. 273—136)



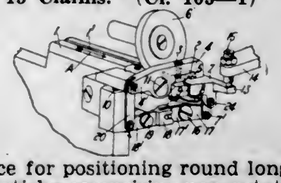
A game board comprising independent board-like sections having sockets marginally thereof and each bearing indicia indicative of playing fields on reverse faces of the same, plate-like connecting pieces having lugs near opposite ends for selective engagement with the sockets for joining the sections edge to edge in the same plane with each other or at right angles to one another, braces engageable with said sections when at right angles to each other, and a seal matching the meeting edges of the sections when at right angles to one another and having pins received by the sockets in the marginal edges next to said seal of said sections when at right angles to each other, and movable playing pieces for the playing fields of said sections.

1,980,106

WORK HOLDING AND POSITIONING DEVICE

Ralph Stempelin, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application January 12, 1933, Serial No. 651,281
In Great Britain October 21, 1932
15 Claims. (Cl. 163—1)



2. A device for positioning round longitudinally grooved articles comprising non-rotatable jaws, means yieldingly urging said jaws into jaw-closing position to enter into slipping engagement with the article, article rotating means, and a spring-pressed detector fitted for yielding movement independently of said jaws and relatively to an article engaged thereby to enter the groove in the article and to restrain the article against further rotation.

1,980,107

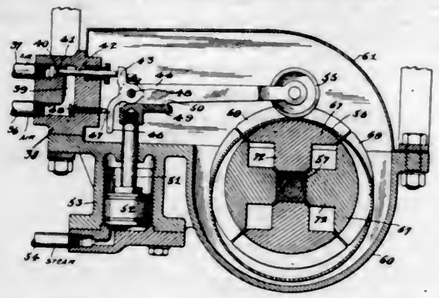
GOVERNOR-CONTROLLED DRIFTING VALVES FOR LOCOMOTIVES

Charles Stern, Jersey City, N. J., assignor to Ardco Manufacturing Company, Hoboken, N. J., a corporation of Delaware

Application September 29, 1932, Serial No. 635,445
8 Claims. (Cl. 121—137)

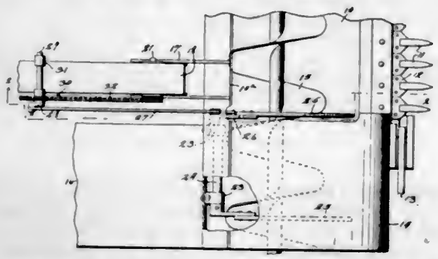
1. In combination, a drifting valve for locomotives coupled to a source of steam supply and to the locomotive steam chests, a cylinder in communication with the steam chest pressure, a

plunger in said cylinder, a valve operating lever controlling the drifting valve and pivotally supported by, and movable with, said plunger, and



a centrifugal governor driven by the locomotive and positioned to cause pivoting movement of the lever.

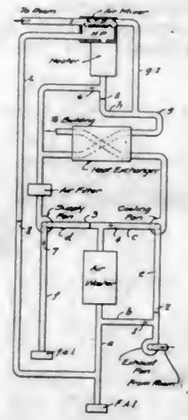
1,980,108
ANTICLOGGING ATTACHMENT FOR GRAIN AUGERS
Oscar D. Stewart, Underwood, N. Dak.
Application July 1, 1933, Serial No. 678,671
5 Claims. (Cl. 56—122)



1. The combination with the housing and auger of a combined harvesting and threshing machine, of means oscillating in a plane at right angles to the plane of the axis of the auger and forcing the grain into the auger and means exterior to the auger for oscillating said means.

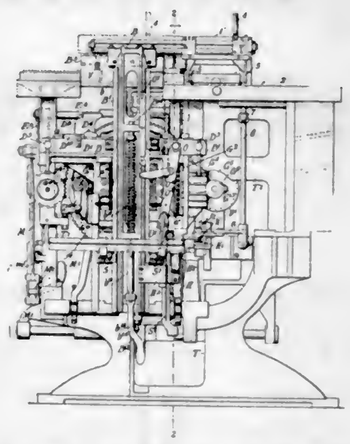
1,980,109
AIR CONDITIONING SYSTEM
Harold A. Stockly, Alhambra, Calif.
Application April 1, 1932, Serial No. 602,613
6 Claims. (Cl. 257—8)

1. In an air conditioning system for an enclosure, the combination of an humidifier, a heat exchanger having a confined air passage for air to be treated, a heater, an air output member for supplying air to said enclosure, and air transmission means: said air transmission means comprising a network of conduits communicating with said output member for delivering treated air, communicating with a source of fresh air supply, and provided with an auxiliary intake for spent air from said enclosure, said conduits being communicable to alternatively cause said system to act as an air heating circuit or as an air cooling circuit; the air heating circuit comprising a line of said conduits conveying fresh air from said source through said humidifier, through said passage and through said heater to said output member, and a segregated line of said conduits conveying air from said auxiliary intake through said exchanger separate from the air in said passage; the air cooling circuit comprising a line of said conduits conveying air from said source through said passage to said output member and a segregated line of said conduits conveying air from said auxiliary air intake through said humidifier and through said exchanger separate



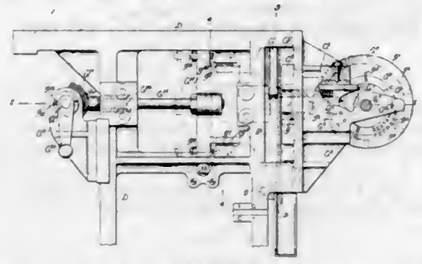
from the air in said passage; and means to place said conduits in communication to provide either said air heating circuit or to provide said air cooling circuit.

1,980,110
SLUG CASTING MACHINE
Anthony J. Stouges, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, New York, N. Y., a corporation of New York
Application June 19, 1931, Serial No. 545,398
89 Claims. (Cl. 199—47)



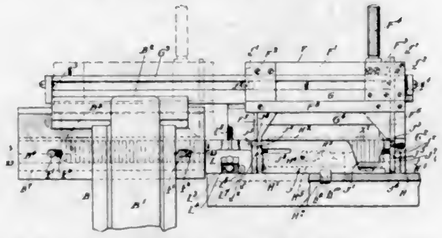
1. In a slug casting machine adapted to be equipped with matrices having casting edges devoid of mold engaging ears and formed in said edges with intaglio characters of different heights located thereon for common base alinement, the combination of a slotted mold whose contiguous face is adapted to contact with the casting edges of the matrices, means for supporting a composed line of matrices in casting relation to the mold in one or another of a series of different transverse positions according to the height of the matrix characters in use, and means for properly alining the matrix characters with the mold slot notwithstanding the absence of mold engaging ears on the matrices.

1,980,111
SLUG CASTING MACHINE
Anthony J. Stouges, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Original application June 19, 1931, Serial No. 545,398. Divided and this application January 31, 1933, Serial No. 654,557. In Great Britain January 25, 1932
11 Claims. (Cl. 199—59)



5. In or for a slug casting machine, slug trimming mechanism including, in combination, an adjustable right hand trimming knife, a left hand trimming knife, and means for moving the left hand knife to and from its active position, for the purpose described.

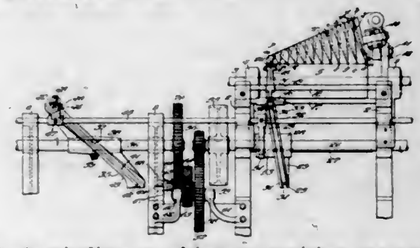
1,980,112
SLUG CASTING MACHINE
Anthony J. Stouges, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application May 12, 1933, Serial No. 670,712
29 Claims. (Cl. 199—49)



1. In a slug casting machine adapted to be equipped with matrices of different forms, the combination of a holder for presenting a composed line of matrices in operative relation to the mold, and a set of interchangeable sections for adapting the holder to support matrices of the different forms.

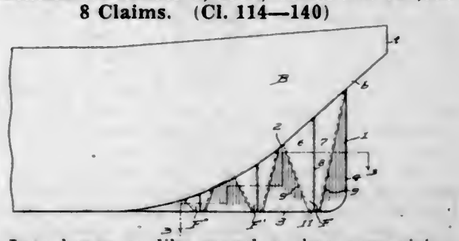
1,980,113
WINDING MACHINE
George N. Taylor, East Providence, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application December 3, 1929, Serial No. 411,355
16 Claims. (Cl. 242—43)

1. An improved method of winding yarn packages consisting in depositing the yarn on a receiver with a traverse of only a small fractional part of the length of the package to be produced and advancing the traverse along the axis of the receiver throughout the full length of the package first in one direction and then in the other to build a yarn body having relatively flat ends formed by the ends of the overlying layers which are coextensive with the length of the package and composed of overlying coils which overlap and interlock to hold them in place to secure a firm and stable mass.



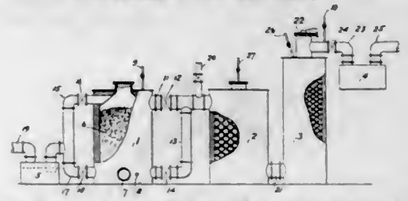
4. A winding machine comprising means for winding yarn on a support to produce a package having substantially flat ends, means for traversing the yarn axially of the support with a traverse equal to only a small fractional part of the full length of the package to be produced, and means for advancing the traverse throughout the full length of the package first in one direction and then in the other longitudinally of the support to build a yarn body with its flat ends substantially perpendicular to the surface on which the winding is performed.

1,980,114
SKEG FOR BARGES AND LIKE VESSELS
George R. Taylor, Woodlynne, N. J., assignor to John H. Mathis Company, Camden, N. J., a corporation of New Jersey
Application December 6, 1933, Serial No. 701,095
8 Claims. (Cl. 114—140)



1. In a barge or like vessel, a skeg comprising a main plate provided on each of its sides with a fin having outer faces oppositely angularly disposed to the plate and to each other.

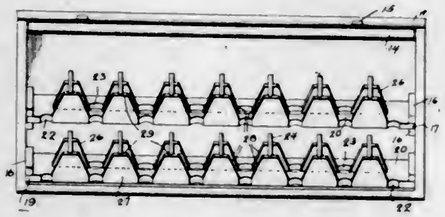
1,980,115
PROCESS FOR MAKING MIXED OIL GAS AND WATER GAS
Harutyun G. Terzian, Philadelphia, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 3, 1929, Serial No. 389,913
2 Claims. (Cl. 48—208)



1. In the process of manufacturing a mixture of water gas and oil gas of low specific gravity by generating water gas in an incandescent fuel bed by alternate air and steam blasting and by generating oil vapor by means of stored heat of combustion of the air blast gases and by cracking

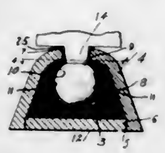
oil vapor so produced by passage through the incandescent fuel bed, the improvement which consists in: burning some of the water gas, necessarily generated, to control the temperature of the fuel bed and storing its heat of combustion; and vaporizing an increased quantity of oil by said stored heat and cracking oil vapors so produced by passing them through the incandescent fuel bed to produce reformed gas of lower specific gravity than the blue water gas consumed, thereby lowering the specific gravity of the produced mixed gas by substitution of said reformed gas for said water gas.

1,980,116
SLIDING SHELF SECTIONAL BOOKCASE
Emil L. G. Toborg, Little Falls, N. Y.
Application June 27, 1932, Serial No. 619,567
1 Claim. (Cl. 206—44)



A sliding shelf for insertion in a section of a sectional book case of usual size, that is, roughly a foot deep and two and a half feet wide, consisting of a single flat panel approximating the size mentioned and having a series of finger-holds therein arranged in a line from side to side, a plurality of front to rear partitions spaced from said finger holds and dividing the base panel into spaces narrower from side to side than from front to back, blocks in alinement with the centerline of the series of fingerholds for dividing the spaces into bins preferably of unequal lengths from front to back, and means at the front of the base panel to retain booklets or the like in the front bins when the sliding shelf is arranged in the book case to slope downward from back to front to display the booklets in all of the bins.

1,980,117
NONMETALLIC CONNECTION
Russell J. Turner, Butler, Pa., and Frederick H. Ragan, Shaker Heights, Ohio, assignors to The Columbia Axle Company, Cleveland, Ohio, a corporation of Ohio
Application February 9, 1928, Serial No. 253,031
4 Claims. (Cl. 287—90)

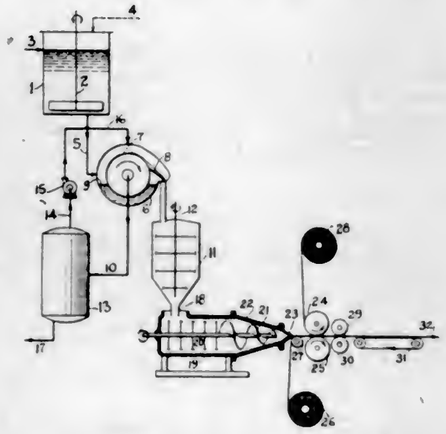


1. In a device of the character described, the combination of a socket member provided with a recess having one open side and an opening in the wall opposite thereto, a rod extending through said opening and having a spherical end, two semi-spherical self-lubricating bearing elements disposed about said spherical end, resilient deformable material disposed in said recess about said semi-spherical elements, and means for maintaining the same under a predetermined compression.

1,980,118
PROCESS FOR RESOLVING EMULSIONS
Chaplin Tyler, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1931, Serial No. 551,803
6 Claims. (Cl. 196—4)

6. In a process for the resolution of oil-water emulsions the step which comprises adding thereto from 0.5 to 2.0% of a mixture of water insoluble alcohols boiling between approximately 100° C. to 210° C. and obtained from the catalytic hydrogenation of carbon oxides under elevated temperatures and pressures.

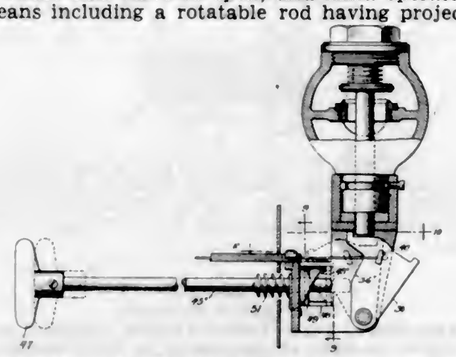
1,980,119
COMPOSITION OF MATTER AND PROCESS OF PRODUCING THE SAME
Justin F. Wait, Bronx, N. Y.
Application November 5, 1929, Serial No. 405,004
20 Claims. (Cl. 106—24)



1. The process which comprises contacting oil containing impurities with an adsorptive nonmetallic mineral, adsorbing impurities of the oil by the contacting mineral, separating purified oil from said mineral so that the mineral is obtained in association with residual oil and selectively adsorbed substances which were of impurities of the oil and some of which may be set or hardened with adsorbed impurities and adhering residual oil, mixing the said mineral containing residual oil and said impurities with a filler and applying a hardening agent to form a composition product.

1,980,120
SAFETY DEVICE FOR GAS PILOTS
Woods S. Walker and Trygve Forberg, New York, N. Y., assignors to The Consolidated Gas Company of New York, New York, N. Y., a corporation of New York
Application July 6, 1933, Serial No. 679,228
2 Claims. (Cl. 158—117.1)

1. A device of the character described including a spring closed valve, means including a swinging member operative to normally hold the valve open, automatically actuated means operative to pull said swinging member to an inoperative position whereby said valve close, hand operated means for moving said swinging member to cause said valve to open, said hand operated means including a rotatable rod having projections near one end, a stationary cam coacting with said projections whereby when said rod is rotated said projections will ride over said cam and move the rod longitudinally against said swinging member to move the same to an inoperative position, and spring means automatically rotating said rod back to its former position.



1,980,121
CABLE TERMINAL PROTECTOR
Morton Wallace, Swedesboro, N. J.
Application February 13, 1933, Serial No. 656,419
4 Claims. (Cl. 173—259)



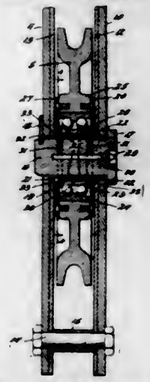
1. A battery terminal protector consisting of a flexible sheet of acid-resisting material having an aperture therein to receive a battery post, said sheet having one side formed with an adhesive whereby it may be placed on a cable terminal and folded to conform to and seal the terminal.

1,980,122
HEEL
Albert P. J. Watkin and George J. Winter, Buffalo, N. Y.; said Winter assignor to Edward C. Randall, Buffalo, N. Y.
Application December 29, 1930, Serial No. 505,360
Renewed May 5, 1934
1 Claim. (Cl. 36—35)



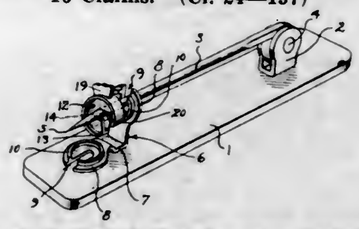
A cushion heel comprising a rubber upper lift having an upper concaved surface adapted to snugly receive the rear portion of the upper of a shoe, said upper lift being provided with spaced tenon slots one of which is located at the rear portion of said lift and disposed transversely across the median longitudinal dimension of said lift and the other slots being located at the forward portion of said lift one at each side of the median longitudinal dimension of the lift and disposed parallel thereto, said upper lift being provided at its center with an aperture passing completely therethrough and the edges of the aperture lying substantially parallel with the edges of said lift, a lower rubber lift having upon its upper surface up-standing tenons fitting snugly within the tenon slots of the first mentioned lift, said lower lift having at its upper side and at its center an integral raised portion which fits snugly in the central aperture of the upper lift and which is less in vertical height than the vertical depth of the aperture whereby a plenum of air is confined between the central portion of the lower lift and the under surface of the upper of the shoe when the heel is applied, and securing devices penetrating the upper lift and the upper of the shoe and having lower ends pillowed upon the lower lift.

1,980,123
SHEAVE
George Hunt Weber, New York, N. Y.
Application March 31, 1932, Serial No. 602,347
4 Claims. (Cl. 308—187)



1. In a heavy duty sheave construction, in combination, a frame, a pin supported on the frame and having a duct formed therein for transmission of a lubricant, said duct having a discharge orifice formed in the cylindrical surface thereof, cylindrical bushing means of anti-friction metal encircling the pin and normally stationary with respect thereto, said bushing means having a groove for lubricant formed in the inner wall thereof and in register with the lubricant duct discharge orifice of the pin, an anti-friction bearing encircling the bushing means, and a sheave mounted on the outer race of said bearing.

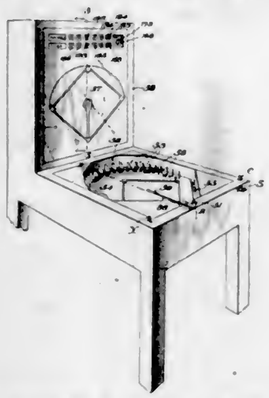
1,980,124
SAFETY CATCH
Raymond L. Wells, Attleboro, Mass.
Application February 16, 1934, Serial No. 711,517
16 Claims. (Cl. 24—157)



1. In a device of the character described, a housing positioned in the path of the member to be locked, said housing having slots adapted to

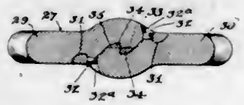
admit the bar to its aligned position and a peripheral slot, a diaphragm plate in said housing adapted to rotate therein and having a central opening for the member to be locked and a handle portion projecting through the peripheral slot of the housing, and a cam edge opening extending from the center opening of the diaphragm plate to the edge thereof having a portion providing an entrant opening for the member to be locked and a cam shoulder portion, said portions arranged so that the member to be locked entering the slots of the housing will engage the cam shoulder to rotate the diaphragm plate to locate the entrant portion of the cam slot out of line with the slot in the housing, thereby locking the member to be locked in said slots.

1,980,125
BASEBALL GAME APPARATUS
Noel C. Whitney, Terre Haute, Ind.
Application December 8, 1932, Serial No. 646,326
25 Claims. (Cl. 273—89)



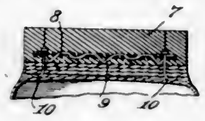
19. In an automatic base ball game apparatus, a recording field resembling a miniature base ball diamond having bases and base lines, electric lamps associated with the diamond, and means for automatically advancing lighted electric lamps around the bases of said recording field diamond.

1,980,126
SEPARABLE LINK
George E. Williams, Alliance, Ohio, assignor to Transue & Williams Steel Forging Corporation, Alliance, Ohio
Application June 23, 1933, Serial No. 677,318
3 Claims. (Cl. 59—84)



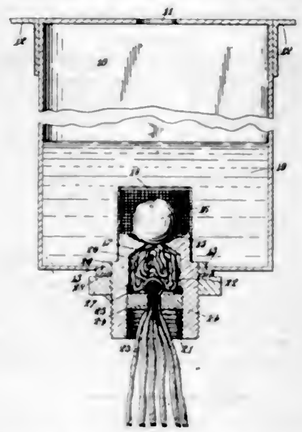
1. A separable link comprising a pair of link members, said members being bent intermediate the ends thereof to form a pair of identical U-shaped sections, the ends of each section having a pair of spaced curved surfaces, a stud projecting from one of said surfaces and a corresponding hole in the other surface, a complementary tooth and cavity in each end of the section between the curved surfaces of that end, and reinforcing walls for each end of the section positioned at opposite sides of the tooth and cavity of that end.

1,980,127
RUBBER HEEL AND REENFORCING AND NAIL RETAINING MEMBER THEREFOR
Lewis E. Wilt, Akron, Ohio
Application June 13, 1933, Serial No. 675,606
12 Claims. (Cl. 36—35)



1. A molded rubber heel having a woven reenforcing and nail-retaining member embedded therein, said member having rigid, pre-formed projections extending to an outer surface of the heel.

1,980,128
DRIP-FEED DEVICE
Edwin Henry Percy Young, London, England, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 21, 1931, Serial No. 564,232
In Great Britain September 20, 1930
1 Claim. (Cl. 184—69)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

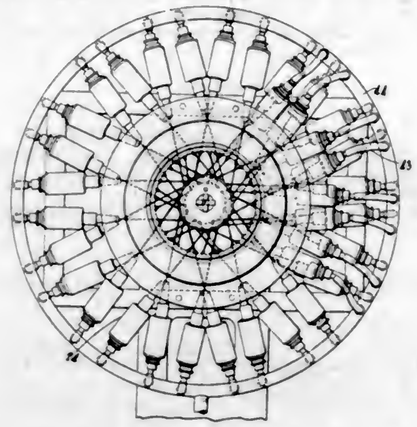


A lubricating device comprising in combination a reservoir for lubricant, an outlet from the said reservoir, a valve controlling the said outlet in accordance with the movements to which the lubricator is subjected, an auxiliary wick-filled chamber on the outlet side of said valve, the bottom of said chamber being formed by a threaded plug engaging a threaded inner wall of the said chamber and a number of yarns passing through a hole in the said plug for conducting the lubricant away.

1,980,129
WIRE WHEEL TRUING MACHINE AND METHOD
Carolus L. Eksergian and Obed E. Smith, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 5, 1930, Serial No. 479,818
10 Claims. (Cl. 29—87)

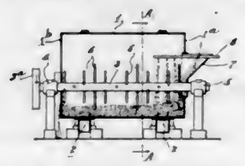
1. The method of truing a vehicle wheel consisting of a hub member, a rim member, a plurality of circular series of spokes interconnecting

said hub and rim, which comprises simultaneously and uniformly tightening by equalized fluid



pressure all of the spokes of each given series individually.

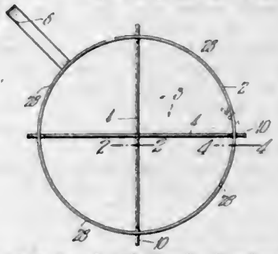
1,980,130
NODULIZING CEMENT MATERIALS, ETC.
Johan S. Fasting, Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application November 22, 1933, Serial No. 699,193
In Great Britain December 5, 1932
9 Claims. (Cl. 222—5)



1. The method of nodulizing cement materials and the like, which consists in subjecting the materials in a moist condition simultaneously to a tumbling operation and a beating operation.

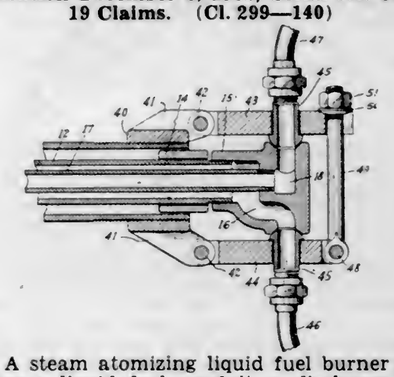
1,980,131
PAN SUPPORT
George P. Flanagan, Springfield, Mass., assignor to Oscar J. Seguin, Springfield, Mass.
Application April 7, 1933, Serial No. 665,017
1 Claim. (Cl. 248—30)

A pan holder of the class described comprising in combination, a relatively thin band of flat sheet metal formed to provide a closed ring member of a certain diameter provided with two pairs of diagonally opposite openings therethrough and having a handle member extending outwardly therefrom, and a pair of U-shaped supporting members of yieldable wire, each supporting member including a cross member of less length than said diameter of the ring member and side members extending from opposite ends thereof having their outer ends bent outwardly in opposite directions to provide retaining portions reciprocable and rotatable in opposite openings, said cross members being disposed at right angles to one another and having centrally disposed interfitting sockets all adapted and arranged whereby said supporting members may swing from a set-up position wherein their side members extend vertically at substantially right angles to said ring member with the sockets of their cross members interfitting to a collapsed position wherein their



side members extend relatively horizontally adjacent the lower marginal edge of said band.

1,980,132
LIQUID FUEL BURNER
James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application December 6, 1932, Serial No. 645,916
19 Claims. (Cl. 299—140)



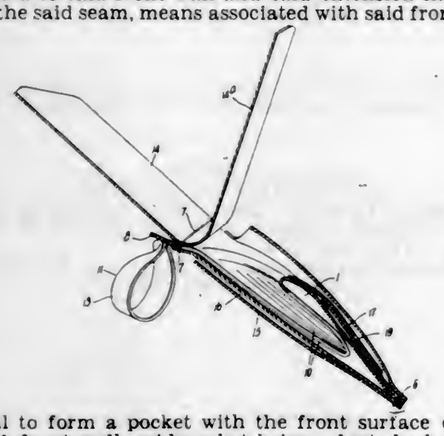
1. A steam atomizing liquid fuel burner comprising a liquid fuel conduit, a discharge head at the discharge end of said conduit and including a circular mixing chamber, a series of ports connecting said liquid fuel conduit and said mixing chamber and having their centers symmetrically spaced on the circumference of said mixing chamber, a series of steam discharge slots terminating adjacent the bottom of said mixing chamber, each of said slots terminating adjacent to the periphery of one of said ports and arranged to provide a steam discharge across said port into said mixing chamber, and a discharge passage forming an unrestricted continuation of said mixing chamber.

9. A sprayer plate for liquid fuel burners having a central circular mixing chamber formed therein, a series of ports symmetrically spaced about the circumference of said chamber, and a plurality of discharge slots formed therein, each of said slots extending substantially transversely to one of said ports to provide a discharge directly across said port.

1,980,133
POCKETBOOK
John Filipowicz, Brooklyn, N. Y., assignor of one-half to Albert C. Nolte, New York, N. Y.
Application March 5, 1934, Serial No. 714,003
2 Claims. (Cl. 150—36)

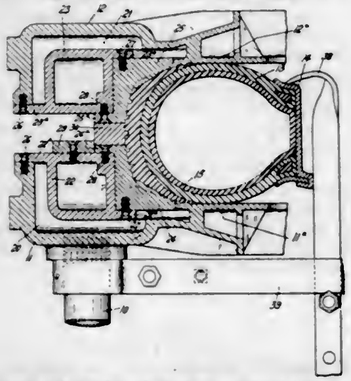
1. A pocketbook comprising a front wall, a rear wall, said walls being united at their lower ends and at their sides to form a secret pocket between them, said rear wall being provided with an extension flap, said extension flap having a multi-

plicity of slits therein extending lengthwise of said extension flap, a seam uniting said front wall and said extension flap, the thread of said seam being passed through said slits so that the ribs are free to slide through said seam, the said extension flap having an unslitted area on each marginal side of said slits, the unslitted area being united with said front wall by a continuation of the said seam, the stitches of said seam being uniform throughout, an outside cover piece also united to said front wall and said extension flap by the said seam, means associated with said front



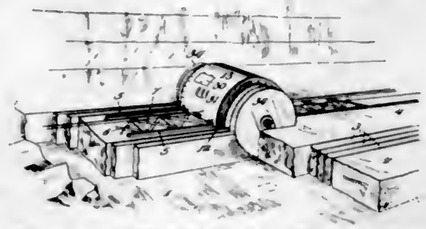
wall to form a pocket with the front surface of said front wall, said pocket being adapted when said pocketbook is folded to be closed by said slitted extension flap and said outside cover piece, a pull flap on said back wall for pulling the slitted portion of said extension flap through said seam, said pull flap corresponding in width substantially to the width of the slitted portion, and means associated with said back wall, to form a pocket on the rear face of said back wall, said pocket being in such position that said pull flap constitutes a closure for said pocket.

1,980,134
RETREADER
Leo O. Grange, Chicago, Ill., assignor to Walter J. Jarrett, Chicago, Ill.
Application June 15, 1933, Serial No. 675,916
11 Claims. (Cl. 18—18)



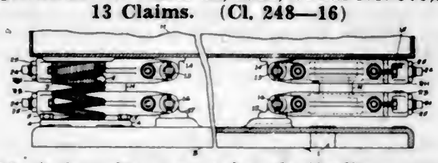
1. A tire retread vulcanizer comprising mating annular sections having inner peripheral matrix skirt portions and annular chambers radially outwardly thereof in the mating faces of the vulcanizer sections, and units removably mounted in said chambers comprising annular heating rings receivable in said chambers in spaced relation to the walls thereof and having means for securing them in supporting engagement with the walls of said chambers, and matrix members removably secured directly to the inner peripheries of said heating rings and adapted to mate and to form a tire tread mold in cooperation with said matrix skirt portions.

1,980,135
STONE-CHANNELING MACHINE
Eric H. Hellstrom, St. Paul, Ind.; Alice Hellstrom administratrix of said Eric H. Hellstrom, deceased
Application December 29, 1931, Serial No. 583,717
4 Claims. (Cl. 262—20)



1. In a stone-channeling machine, a housing comprising side plates having circular openings therein, disks rotatably fitted in and filling said openings, a saw arbor mounted eccentrically through said disks, saws carried by said arbor, a motor supported by and between the disks and operatively connected with the saw arbor for rotating the same, and means carried by and between the side plates for rotating the disks whereby to effect vertical adjustment of the saw arbor and the saws thereon.

1,980,136
SHOCK ABSORBING MEANS
Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 21, 1931, Serial No. 576,548
13 Claims. (Cl. 248—16)

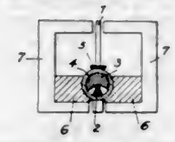


11. A damping means for elastically mounted bodies, comprising, a housing, including an extending arm pivoted to a support, a socket of friction material in the arm, a ball in the socket, and a ball and socket joint connecting the ball to the housing.

1,980,137
ELECTRICAL REPRODUCER FOR DISK RECORDS
Hanns Hübner, Berlin-Lichterfelde, Germany, assignor to Carl Lindström Aktiengesellschaft, Berlin, Germany
Application October 25, 1932, Serial No. 639,507
In Germany November 23, 1931
3 Claims. (Cl. 179—100.41)

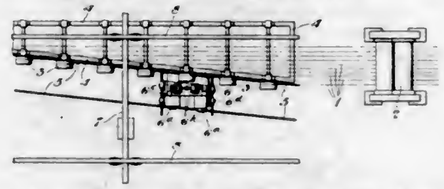
3. In an electrical reproducer for disk records, an armature having oppositely extending members provided on their upper sides with knife edges, bearings having knife edge recesses in their lower sides and bearing on said knife edges, tubular elastic damper members extending around and enclosing said knife edge members

and said bearings, a spring connected to the armature and bearing downwardly on the tubular elastic damper members and a pole element hav-



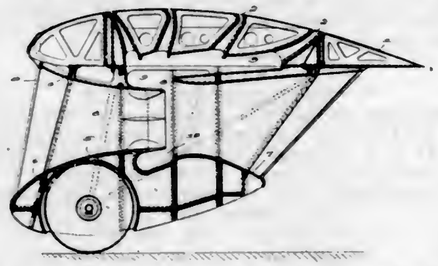
ing bearing members in which the said tubular elastic damper members and hence also the armature and its bearings are mounted.

1,980,138
LAYOUT AND APPARATUS FOR HANDLING WIRES OR STRIPS
Paul R. Johnson, John Statz, and Walfred A. Wallsten, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 21, 1933, Serial No. 690,470
3 Claims. (Cl. 242—79)



1. A lay-out for handling a plurality of wires or strips, including the combination of a row of coiling blocks arranged so that each may receive one of said wires or strips, tracks arranged parallel and adjacent said row of blocks, and a carriage running on said tracks with a coil support mounted thereon for movement towards any one of the blocks in said row of same.

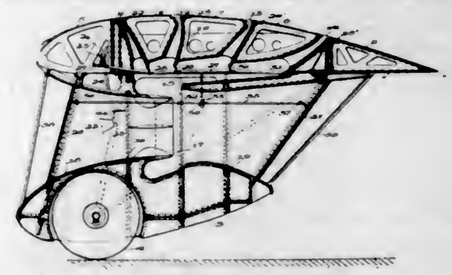
1,980,139
BOUNDARY LAYER CONTROL FOR AIRFOILS
Clifford C. Jones, Washington, D. C.
Application October 26, 1932, Serial No. 639,715
4 Claims. (Cl. 244—12)



1. In an airplane, an airfoil, slots formed in the upper surfaces of said airfoil, a venturi forming an integral portion of the undercarriage of the airplane and a conduit leading from the said slots to the said venturi.

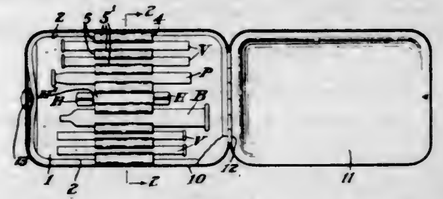
1,980,140
BOUNDARY LAYER CONTROL FOR AIRFOILS
Clifford C. Jones, Washington, D. C.
Application November 7, 1932, Serial No. 641,680
6 Claims. (Cl. 244—12)

1. In an airplane, an airfoil, valves positioned in the upper surfaces thereof, exhaust means connected to said valves and a speed responsive



device adapted to control said valves and said exhaust means.

1,980,141
CUSHION CARRYING CASE FOR SYRINGE OUTFITS AND THE LIKE
John MacGregor, Roslindale, Mass., assignor to MacGregor Instrument Company, Needham, Mass., a corporation of Massachusetts
Application February 6, 1932, Serial No. 591,342
4 Claims. (Cl. 206—43)

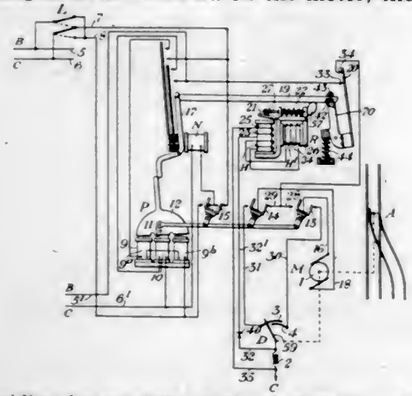


1. A carrying case for fragile articles comprising a relatively rigid casing and a relatively flexible holder having an upturned marginal rim which under compression frictionally engages the upper portion of said casing when said holder is in place therein and provides a protective wall for said holder and the articles held therein when said holder is removed from said casing, said holder having a plurality of notches adapted to receive said articles between their ends and flexible spacers having edges adapted to overhang articles placed in said notches, said marginal rim and said overhanging edges guarding the contained articles from side and top injury.

1,980,142
REGULATING DEVICE USING COPPER OXIDE RECTIFIERS
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application October 14, 1930, Serial No. 488,574, now Patent No. 1,966,558, dated July 17, 1934. Divided and this application March 31, 1933, Serial No. 663,757
3 Claims. (Cl. 175—294)

1. In combination with an electric motor having an armature and a field winding, a circuit for energizing said motor, an overload breaker for at times interrupting said circuit, means for tripping said breaker including a trip winding energized from the potential drop across the field winding of said motor, and a copper oxide rectifier connected in series with said trip winding for causing a relatively large increase in the current through said trip winding with a rela-

tively small increase in said potential drop resulting from an overload on the motor, thereby

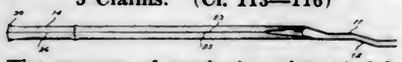


providing for sensitive overload operation of said breaker.

1,980,143
METHOD AND PROCESS OF FORMING HOLLOW ARTICLES

William L. Peters, David R. Feemster, and William H. Schomburg, Toledo, Ohio, assignors to The Bingham Stamping & Tool Company, Toledo, Ohio, a corporation of Ohio

Application December 7, 1931, Serial No. 579,374
5 Claims. (Cl. 113—116)

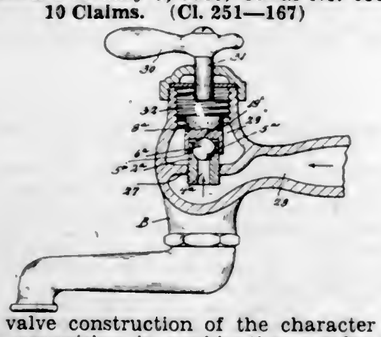


1. The process of producing elongated hollow levers which consists in blanking a sheet of material to form a plurality of furcations at one end and a handle portion at the other end thereof, of swaging or tapering certain edges of the blank and of flanging and subsequently bending portions of said blank until the edges thereof are substantially in close engagement and the furcations in opposed parallel relation.

1,980,144
VALVE CONSTRUCTION

Salvatore U. Siena and Benjamin M. Arth, Cleveland, Ohio, assignors, by mesne assignments, to Ball-Rite Valve Company, Cleveland, Ohio, a corporation of Ohio

Application February 9, 1933, Serial No. 656,008
10 Claims. (Cl. 251—167)

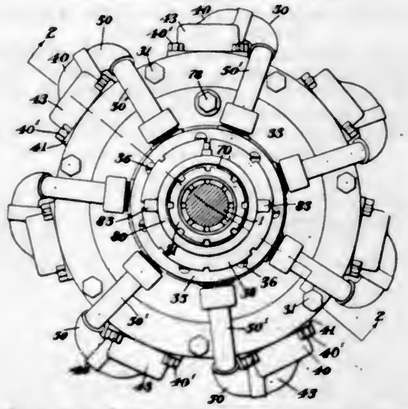


4. A valve construction of the character described, comprising, in combination, a valve casing, a valve seat member within the casing and provided with a fluid inlet passage, the said valve seat member having an upstanding wall forming a cupped end with outlet passages therein, a compressible ball valve member positioned within said cupped end, a valve operating piston engaging said ball valve, the said piston being recessed at its end to enclose the cupped end of the valve seat member in fluid-tight relation and being adapted to compress the said ball valve within the cupped end to close the inlet and outlet passages for controlling the flow of fluid through said casing, the ball valve being continuously in fluid-tight relation with the upstanding wall of the cupped end of the valve seat member to prevent the passage of fluid between the piston and ball valve.

1,980,145
TRANSMISSION DEVICE

Merton Irving Vestal, Fall River, Mass., assignor of one-half to Albert A. Harrison, Fall River, Mass.

Application March 8, 1932, Serial No. 597,523
14 Claims. (Cl. 192—60)

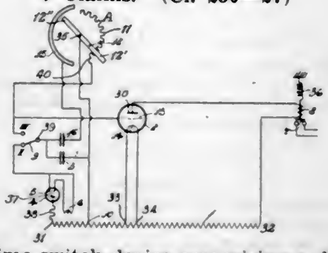


1. In a transmission device, a driving shaft, a driven shaft, a closed fluid casing rotatable with the driving shaft, a plurality of cylinders radially disposed in said casing, pistons in said cylinders, connections between the pistons and the driven shaft, said cylinders extending substantially beyond the periphery of the casing and said piston stroke ending just within said periphery, intake ports substantially at the inner periphery surface and disposed in the direction of rotation of the casing and positioned so as to be uncovered by the pistons at the bottom of the stroke, discharge ports in said cylinders and leading to the interior of the casing, and means for simultaneously obstructing the cylinder discharges.

1,980,146
TIME SWITCH DEVICE

Antonius Wilhelmus Vingerhoets, Eindhoven, Netherlands, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Dutch company

Application July 10, 1933, Serial No. 679,810
In Germany July 5, 1932
7 Claims. (Cl. 250—27)

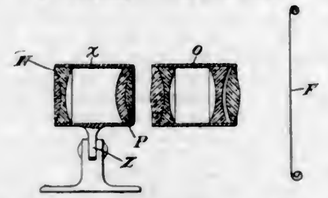


1. A time switch device comprising a discharge tube having an auxiliary electrode and means to vary the potential of said electrode in accordance with a varying condenser charge said means comprising an electric circuit, and means to vary the time constant of said circuit, said latter means comprising a variable resistance and a multi-stage capacity in series arrangement in said circuit, and a switching means for progressively increasing, in successive stages, the resistance from a minimum to a maximum value, said switching means being arranged to connect an increased capacity stage in the circuit after having passed all of the resistance stages at the preceding capacity stage and to pass successively all of the resistance stages at said increased capacity stage.

1,980,147
LENS SYSTEM

Walter G. Wolfe, Greenwood, Mass., assignor to Wilmot R. Evans, trustee, Boston, Mass.

Application March 19, 1932, Serial No. 599,907
5 Claims. (Cl. 88—24)

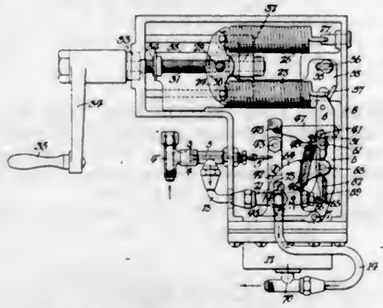


1. In a rear projection system, the combination of a picture aperture, a lens system consisting of substantially neutralizing auxiliary positive and negative lenses in combination with an adjacent positive projecting system, said positive and negative lenses being spaced apart at a distance less than the focal length of the positive system, and the positive of the substantially neutralizing positive and negative lens pair being disposed nearer the objective than its neutralizing negative.

1,980,148
FLUID DISPENSING APPARATUS

Joseph C. Woodford, Ardmore, Pa., assignor to Service Station Equipment Company, Conshohocken, Pa., a corporation of Delaware

Application November 6, 1930, Serial No. 493,776
9 Claims. (Cl. 50—5)

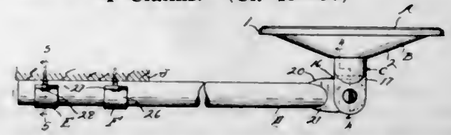


1. In fluid dispensing apparatus, the combination with means adapted to supply fluid at high pressure; of a main valve adapted to control the dispensation of fluid from said supply; means automatically adjustable, by the pressure of the fluid dispensed, to normally automatically effect opening and closing movements of said valve when a predetermined pressure of the fluid dispensed is attained; and a safety valve, operatively connected with said adjustable means, adapted to positively stop the dispensation of fluid if and when said main valve fails to function; wherein the safety valve is adapted to be normally opened by the pressure of the fluid dispensed and adapted to be automatically closed against the pressure of that fluid at said safety valve.

1,980,149
REAR VIEW MIRROR

Fred W. Zink, Detroit, Mich., assignor to Kales Stamping Company, Detroit, Mich., a corporation of Michigan

Application May 29, 1933, Serial No. 673,531
4 Claims. (Cl. 45—97)

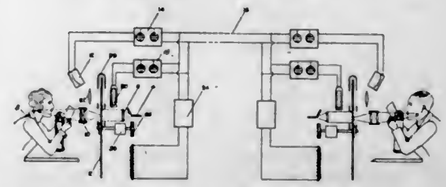


2. A rear view mirror mounting attachable to a side of a suitable support and comprising a vertically extending mirror holder, two horizontally disposed tubes, one being fixed to said holder and pivoted to the second tube whereby the first mentioned tube and holder are movable as a unit relative to the second mentioned tube, the second mentioned tube being rotatable upon and movable lengthwise over the support side just mentioned whereby the first and second mentioned tubes and said holder as a unit may be adjusted about the horizontal axis of the second mentioned tube and may be moved in unison laterally relative to the support, and supporting means for the first and second mentioned tubes and holder operable to hold the second mentioned tube in adjusted position relative to said support, including a substantially U-shaped bracket embracing and forming a bearing for the second mentioned tube and having attaching flanges spaced from and substantially parallel to the support side aforesaid, and fastening elements for the bracket engageable with said support side and operable to move the attaching flanges of the bracket relative to said support side to place said second mentioned tube under compression.

1,980,150
TELEVISION AND LIKE APPARATUS

John Logie Baird, London, England, assignor to Baird Television Limited, London, England, a British company

Application March 2, 1932, Serial No. 596,254
In Great Britain March 4, 1931
3 Claims. (Cl. 178—69.5)



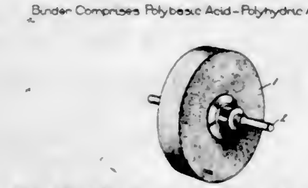
1. In or for a two-way television system means for maintaining syntony between the scanning mechanisms at the two stations comprising a scanning disc at each station having apertures arranged to give intermittent scanning and a phonic wheel at each station controlling the rotation of the said scanning discs and fed with the combined signals generated by the said discs.

1,980,151

ABRADANT MATERIAL AND PROCESS OF ITS MANUFACTURE

Lawrence E. Barringer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 3, 1926, Serial No. 152,486
Renewed September 8, 1930
8 Claims. (Cl. 51—280)



8. An abradant comprising a major proportion of particles of abrasive material, bonded together with an alkyd resin in the infusible, moisture-resistant state.

1,980,152

FUSED SALT BATH FOR CARBURIZING IRON, STEEL, AND THE LIKE

Walter Beck, Frankfort-on-the-Main, and Klaus Bonath, Cronberg-in-Taunus, Germany, assignors to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany, a corporation

No Drawing. Application March 3, 1932, Serial No. 596,576. In Germany March 5, 1931
12 Claims. (Cl. 148—15)

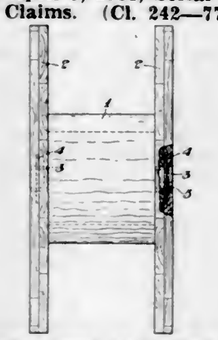
1. Fused salt bath for cementing iron articles which comprises, in addition to barium chloride and alkali metal cyanide, strontium halide and alkaline compound of barium selected from the group comprising barium oxide, barium hydroxide, and barium carbonate.

1,980,153

REEL

Walter G. Brown, Uxbridge, and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application April 8, 1933, Serial No. 665,170
2 Claims. (Cl. 242—77)



1. A reel constructed of wooden lagging, said reel consisting of a coil center and multiple layer ends having arbor holes for receiving a mounting on which said reel may turn, said reel being provided with flanges for said arbor holes which, in each instance, consist of a tubular section and a flat ring which is fixed to the outside of said section remote from its ends, said flanges being arranged in said arbor holes and positioned entirely by having said rings arranged between the layer of said ends, said layers being counterbored to receive said rings, and being characterized in that said rings are completely free of bolts or other attachments.

1,980,154

MEANS FOR CONNECTING STRIPS OF SHEET METAL

James R. Coe, Watertown, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

Original application September 28, 1932, Serial No. 635,215, now Patent No. 1,928,409, dated September 26, 1933. Divided and this application March 23, 1933, Serial No. 662,272
2 Claims. (Cl. 287—64)



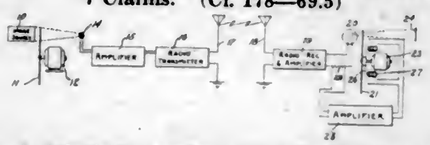
1. In combination, two superimposed strips, said strips having similar portions partially lanced and pressed therefrom and providing openings in the strips and similarly extending portions at the same sides of the strips and each connected with its strip by a neck portion of less width than the pressed portion, and the pressed portion of one strip extending through the opening in the other strip to the side of said other strip at which the pressed portion of the latter is located and with the edge of the opening of said other strip engaging the neck of that pressed portion extending through said opening whereby said strips are connected.

1,980,155

TELEVISION

Harold P. Donle, Meriden, Conn., assignor to Radio Inventions, Inc., a corporation of New York

Application November 28, 1928, Serial No. 322,360
7 Claims. (Cl. 178—69.5)



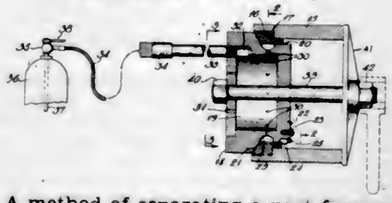
5. A television system including means for transmitting repeated groups of picture signals, each group representing an integral fractional part of the entire picture, said part being formed of a series of immediately adjacent continuously scanned lines of said picture, said series constituting less than a complete picture scanning and means for transmitting synchronizing signals independently of and solely between said groups of picture signals.

1,980,156

METHOD OF AND MEANS FOR MAKING OR SEPARATING AN EXPANSION FIT

William H. Emrick, Portland, Oreg., assignor to Colony Management Corporation, New York, N. Y., a corporation of New York

Application November 24, 1931, Serial No. 577,011
31 Claims. (Cl. 62—1)



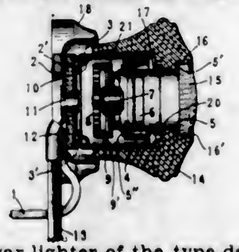
1. A method of separating a part from a tight encircling seat, which consists in conducting a highly expansible refrigerant fluid under pressure to the part, permitting the refrigerant to expand against the part so as to chill and shrink the same, and withdrawing the part from the seat.

1,980,157

ELECTRIC CIGAR LIGHTER

Sidney L. Wolfson, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut

Application April 10, 1931, Serial No. 529,033
26 Claims. (Cl. 219—32)



15. In a cigar lighter of the type described, the combination of a stationary unit equipped with an insulated annular contact member, a hollow portable unit telescopingly engaged with said stationary unit and formed with an opening through its face wall, a cylindrical supporting member fixedly mounted in said opening, and having a transverse wall, a cup-shaped cooperating contact member mounted on said transverse wall, an igniter coil mounted in said last-named contact member, said transverse wall and the bottom wall of said cup-shaped contact member being apertured to permit light rays from said igniter coil to pass therethrough, and a spring normally maintaining said contact members separated.

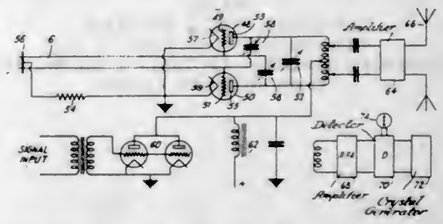
1,980,158

OSCILLATORY CIRCUIT

Clarence W. Hansell, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application May 1, 1931, Serial No. 534,255. Divided and this application June 6, 1932, Serial No. 615,643
17 Claims. (Cl. 250—36)

1. A regenerative oscillation generating system comprising a pair of electron discharge devices each having an anode, a cathode and a control electrode, an alternating current circuit connected across said anodes, means for connecting said cathodes together, a circuit comprising a pair of transversely spaced rectilinear conductors parallel to each other and having uniformly distributed inductance and capacity, each of said conductors being more than one-half wave length long at the desired operating frequency connected to said control electrodes, and, a resistance connected between a voltage nodal point on said last mentioned rectilinear conductor circuit, and said cathodes.

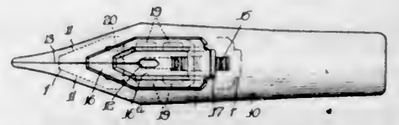


1,980,159

WRITING IMPLEMENT

Robert Back, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware

Application January 23, 1933, Serial No. 653,017
20 Claims. (Cl. 120—42)

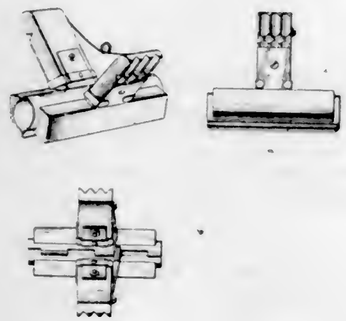


1. In a pen, in combination, a pen point having collaterally disposed resilient nibs, an adjusting member mounted on the pen point for cooperation with the nibs to restrain them against flexion, said adjusting member being adjustable to various relationships with the nibs, and step-by-step escapement detent means which is effective at all positions of the nibs to retain said adjusting member in selected position.

DESIGNS

NOVEMBER 6, 1934

93,755
DESIGN FOR A HEATER
Max Arnold, New York, N. Y.
Application December 14, 1933, Serial No. 50,077
Term of patent 7 years



The ornamental design for a heater as shown and described.

93,756
DESIGN FOR A GOLF CLUB
George E. Barnhart, Pasadena, Calif.
Application February 21, 1934, Serial No. 50,823
Term of patent 14 years



The ornamental design for a golf club, as shown.

93,757
DESIGN FOR A MATCH HOLDER DISPLAY
Morris A. Bell, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis.
Application June 2, 1934, Serial No. 52,023
Term of patent 3½ years



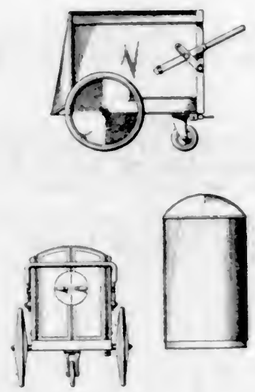
The ornamental design for a match holder display as shown.

93,758
DESIGN FOR A SHOE
Benjamin Benjamin, New York, N. Y.
Application September 5, 1934, Serial No. 53,205
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,759
DESIGN FOR A CARRIER
Samuel Locke Breaux, Jr., Oakland, Calif.
Application March 5, 1934, Serial No. 50,948
Term of patent 3½ years



The ornamental design for a carrier, as shown.

93,760
DESIGN FOR A FURNITURE LEG OR THE LIKE
Richard T. Campbell, Grand Rapids, Mich., assignor to Stickley Brothers Company, Grand Rapids, Mich., a corporation of Michigan
Application August 16, 1934, Serial No. 52,965
Term of patent 3½ years



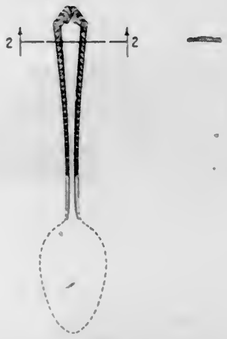
The ornamental design for a furniture leg or the like, as shown and described.

93,761
DESIGN FOR A SHOE
Vincent De Liso, Astoria, Long Island, N. Y.
Application September 22, 1934, Serial No. 53,362
Term of patent 3½ years



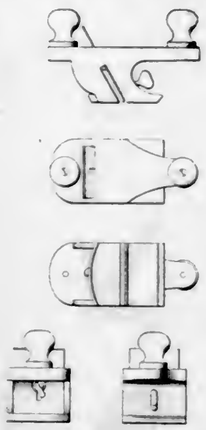
The ornamental design for a shoe, as shown.

93,762
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Marwood A. Downs, Muncie, Ind., assignor to Ontario Manufacturing Company, Muncie, Ind., a corporation
Application September 10, 1934, Serial No. 53,244
Term of patent 14 years



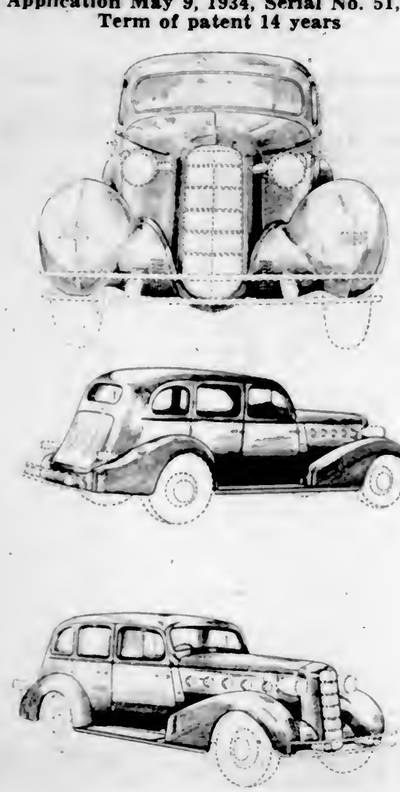
The ornamental design for a spoon or other article of flatware, substantially as shown.

93,763
DESIGN FOR A WOODWORKING TOOL
Alonzo M. Dunn, Perryton, Tex.
Application August 31, 1934, Serial No. 53,123
Term of patent 3½ years



The ornamental design for a woodworking tool, as shown.

93,764
DESIGN FOR AN AUTOMOBILE OR SIMILAR ARTICLE
Harley J. Earl, Grosse Pointe Farms, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 9, 1934, Serial No. 51,731
Term of patent 14 years



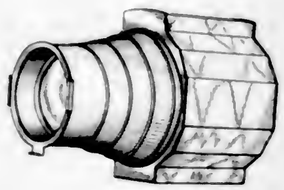
The ornamental design for an automobile or similar article substantially as shown and described.

93,765
DESIGN FOR A SPECTACLE FRAME
Ernest E. Emons, Kennett Square, Pa., assignor to The Ful-Vue Sales Company, Washington, D. C.
Application January 12, 1934, Serial No. 50,382
Term of patent 14 years



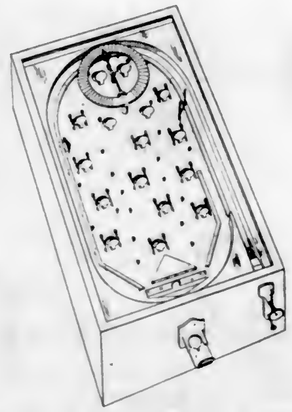
The ornamental design for a spectacle frame, substantially as shown and described.

93,766
DESIGN FOR A LIGHT PROJECTOR
Richard C. Engelken, Passaic, N. J., and Herbert A. Kliegl, New York, N. N. Y., assignors to Kliegl Bros. Universal Electric Stage Lighting Co. Inc., New York, N. Y., a corporation of New York
Application January 26, 1934, Serial No. 50,520
Term of patent 7 years



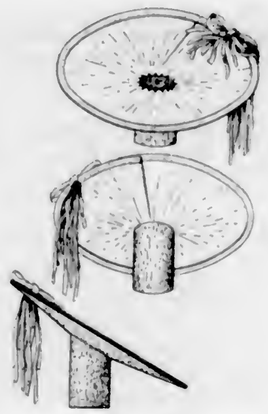
The ornamental design for a light projector as shown.

93,767
DESIGN FOR A GAME APPARATUS
David Gottlieb, Chicago, Ill.
Application February 23, 1934, Serial No. 50,832
Term of patent 3½ years



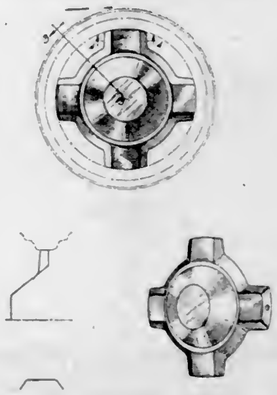
The ornamental design for a game apparatus, as shown.

93,768
DESIGN FOR A FLOWER CONTAINER STAND
Edith C. Gurganus, Memphis, Tenn.
Application May 21, 1934, Serial No. 51,872
Term of patent 14 years



The ornamental design for a flower container stand, as shown.

93,769
DESIGN FOR A WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 2, 1934, Serial No. 52,788
Term of patent 14 years



The ornamental design for a wheel as shown.

93,770
DESIGN FOR AN ELECTRIC INSECT EXTERMINATOR
Harry Israel, Dayton, and Alexander H. Roehr, near Dayton, Ohio
Application March 2, 1934, Serial No. 50,927
Term of patent 3½ years



The ornamental design for an electric insect exterminator, as shown.

93,771
DESIGN FOR A SPECTACLE FRONT
George P. Kimmel, Washington, D. C.
Application October 31, 1932, Serial No. 45,668
Term of patent 14 years



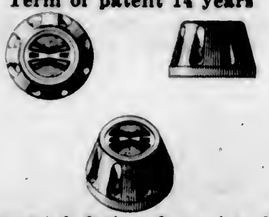
The ornamental design for a spectacle front, as shown and described.

93,772
DESIGN FOR A SAFETY EMBLEM
Eva J. Krieg and Archie T. Stromertz, San Jose, Calif.
Application August 21, 1934, Serial No. 53,009
Term of patent 14 years



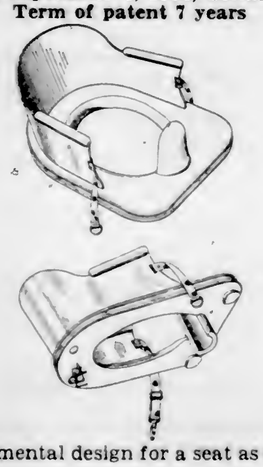
The ornamental design for a safety emblem, as shown.

93,773
DESIGN FOR A HANDLE OR KNOB FOR A RHEOSTAT, OR THE LIKE
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 2, 1934, Serial No. 52,785
Term of patent 14 years



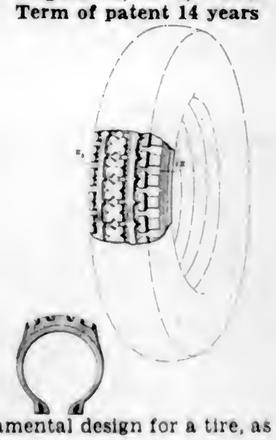
The ornamental design for a handle or knob for a rheostat, or the like, substantially as shown.

93,774
DESIGN FOR A SEAT
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application September 4, 1934, Serial No. 53,199
Term of patent 7 years



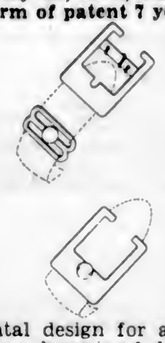
The ornamental design for a seat as shown.

93,775
DESIGN FOR A TIRE
Walter J. Lee, Cuyahoga Falls, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of Illinois
Application August 24, 1934, Serial No. 53,044
Term of patent 14 years



The ornamental design for a tire, as shown.

93,776
DESIGN FOR A SHOE BUCKLE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application July 30, 1934, Serial No. 52,735
Term of patent 7 years



The ornamental design for a shoe buckle or similar article, as shown and described.

93,777
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application September 26, 1934, Serial No. 53,398
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,778
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application September 26, 1934, Serial No. 53,399
Term of patent 3½ years



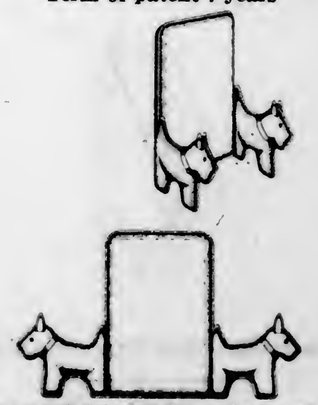
The ornamental design for a shoe, as shown.

93,779
DESIGN FOR WRAPPING PAPER
Arthur Lewin, New York, N. Y.
Application February 19, 1934, Serial No. 50,767
Term of patent 3½ years



The ornamental design for wrapping paper, as shown and described.

93,780
DESIGN FOR A CHAIR CUSHION
James A. MacKay, Chicago, Ill., assignor to Kenlit Mfg. Co., Medford, Mass., a corporation of Massachusetts
Application June 29, 1934, Serial No. 52,388
Term of patent 7 years



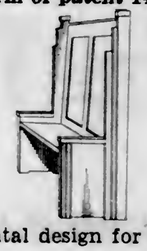
The ornamental design for a chair cushion substantially as shown and described.

93,781
DESIGN FOR A TEXTILE FABRIC OR THE LIKE
Rebecca Shapiro Maraniss, New York, N. Y.
Application September 6, 1934, Serial No. 53,207
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

93,782
DESIGN FOR A SETTEE
Frank Mastrangelo and Alphonso Mastrangelo, Fitchburg, Mass.
Application May 3, 1934, Serial No. 51,683
Term of patent 14 years



The ornamental design for a settee as shown.

93,783
DESIGN FOR A SETTEE
Frank Mastrangelo and Alphonso Mastrangelo, Fitchburg, Mass.
Application May 3, 1934, Serial No. 51,684
Term of patent 7 years



The ornamental design for a settee as shown.

93,784
DESIGN FOR A NIPPLE OR THE LIKE
Christian W. Meinecke, East Orange, N. J.
Application June 2, 1933, Serial No. 48,257
Term of patent 14 years



The ornamental design for a nipple or the like as shown and described.

93,785
DESIGN FOR A BOTTLE CAP
Christian W. Meinecke, East Orange, N. J.
Application July 18, 1934, Serial No. 52,625
Term of patent 14 years



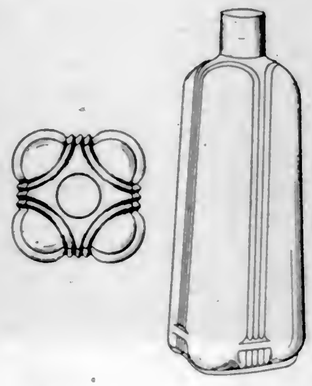
The ornamental design for a bottle cap, as shown.

93,786
DESIGN FOR A SHOE
Margaret Mullin, New York, N. Y.
Application August 11, 1934, Serial No. 52,904
Term of patent 3½ years



The ornamental design for a shoe, as shown and described.

93,787
DESIGN FOR A BOTTLE
Julian R. Orton, Cincinnati, and Edwin W. Fuerst, Toledo, Ohio, assignors to The Tom Collins Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 13, 1934, Serial No. 52,944
Term of patent 7 years



The ornamental design for a bottle, as shown.

93,788
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application September 22, 1934, Serial No. 53,364
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,789
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application September 22, 1934, Serial No. 53,366
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,790
DESIGN FOR A SHOE
Harold K. Phifer, East Orange, N. J.
Application September 22, 1934, Serial No. 53,358
Term of patent 3½ years



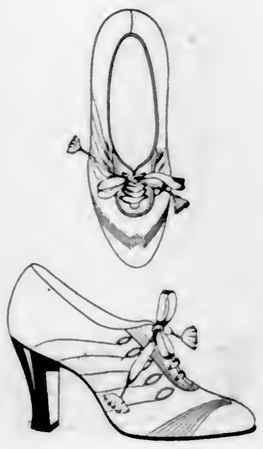
The ornamental design for a shoe, as shown.

93,791
DESIGN FOR A SHOE
Harold K. Phifer, East Orange, N. J.
Application September 22, 1934, Serial No. 53,359
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,792
DESIGN FOR A SHOE
Harold K. Phifer, East Orange, N. J.
Application September 22, 1934, Serial No. 53,360
Term of patent 3½ years



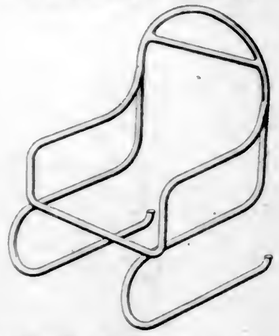
The ornamental design for a shoe, as shown.

93,793
DESIGN FOR A SHOE
Harold K. Phifer, East Orange, N. J.
Application September 22, 1934, Serial No. 53,361
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,794
DESIGN FOR A METAL CHAIR OR SIMILAR ARTICLE
Charles F. Rauch, St. Louis, Mo.
Application October 16, 1933, Serial No. 49,491
Term of patent 7 years



The ornamental design for a metal chair or similar article as shown.

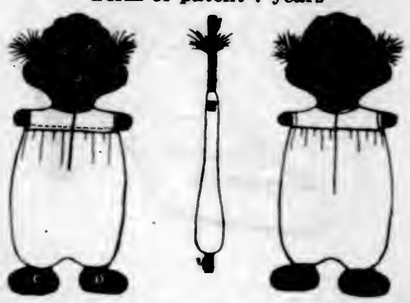
93,795
DESIGN FOR A BROOCH
Walter S. Robertson, Attleboro, Mass., assignor to Frank S. Land, Kansas City, Mo.
Application June 23, 1934, Serial No. 52,314
Term of patent 14 years





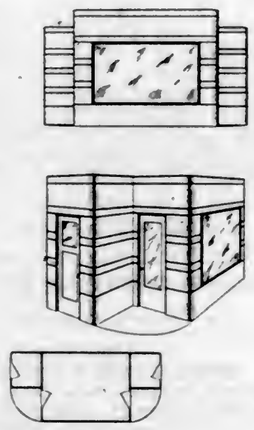
The ornamental design for a brooch, as shown.

93,796
DESIGN FOR A KITCHEN NOVELTY MAID
Florence E. Rocus, Santa Barbara, Calif.
Application May 5, 1933, Serial No. 48,020
Term of patent 7 years



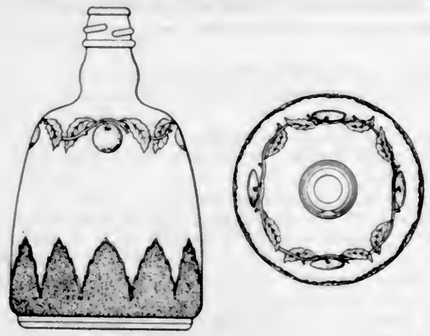
The ornamental design for a kitchen novelty maid, as shown.

93,797
DESIGN FOR A SERVICE STATION
Robert Smith, Jr., Cleveland, Ohio, assignor to Insulated Steel Construction Company, Cleveland, Ohio, a corporation of Ohio
Application May 16, 1934, Serial No. 51,808
Term of patent 7 years



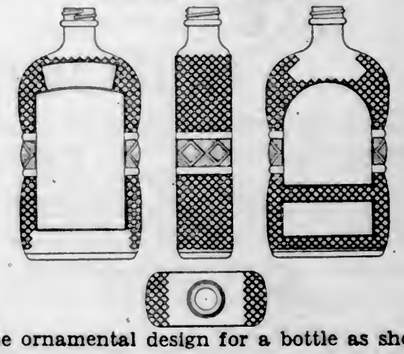
The ornamental design for a service station, as shown.

93,798
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application August 29, 1934, Serial No. 53,107
Term of patent 7 years



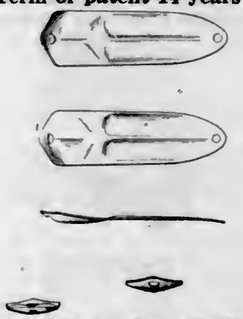
The ornamental design for a bottle as shown.

93,799
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application September 7, 1934, Serial No. 53,224
Term of patent 14 years



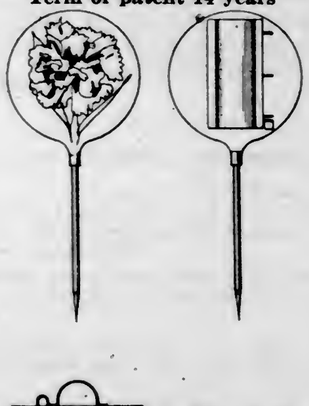
The ornamental design for a bottle as shown.

93,800
DESIGN FOR A TROLLING SPOON
Erick Sylvan, Astoria, Oreg.
Application August 22, 1934, Serial No. 53,020
Term of patent 14 years



The ornamental design for a trolling spoon as shown.

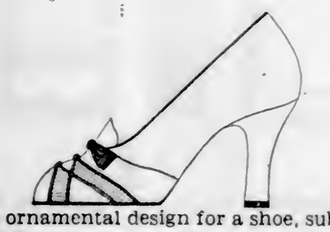
93,801
DESIGN FOR A GRAVE MARKER
Frances R. Taylor, Broken Bow, Nebr.
Application July 30, 1934, Serial No. 52,748
Term of patent 14 years



The ornamental design for a grave marker as shown.

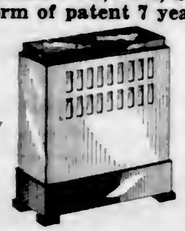
93,802
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application September 13, 1934, Serial No. 53,271
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

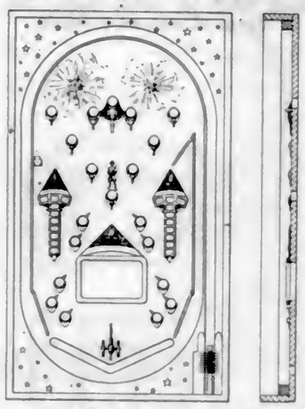
93,803
DESIGN FOR AN ELECTRIC HEATER
Gerrit Van Daam, Buffalo, N. Y.
Application September 15, 1934, Serial No. 53,293
Term of patent 7 years





The ornamental design for an electric heater substantially as shown.

93,804
DESIGN FOR A GAME BOARD
Edward J. Wohlfeld, Indianapolis, Ind.
Application August 18, 1934, Serial No. 52,986
Term of patent 3½ years



The ornamental design for a game board, as shown.

93,805
DESIGN FOR A SHOE
Bogislavs Zegorav, New York, N. Y.
Application September 22, 1934, Serial No. 53,367
Term of patent 3½ years



The ornamental design for a shoe, as shown.

Patents Nos. 1,980,160 to 1,980,972

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November 13, 1934

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Prints	7—No	14,914 to No.	14,920, inclusive.
Reissues	5—No.	19,369 to No.	19,373, inclusive.
Plant Patent	1—No.	111	
Patents	813—No.	1,980,160 to No.	1,980,972, inclusive.
Designs	56—No.	93,806 to No.	93,861, inclusive.
Total	1,120		

Adjudicated Patents

(C. C. A. Ill.) Armstrong patent, No. 1,163,306, for regulating system, claims 25 to 32, inclusive, *Held* valid and infringed. *Pullman, Inc.*, v. *Marshall Electric Co.*, 72 F.(2d) 474.

(C. C. A. Ill.) Bijur patent, No. 1,260,995, for electric regulator, claims 17, 19, 20, and 33 *Held* invalid and claim 18 *Held* valid. *Id.*

(C. C. A. Wis.) Kuehnrich patent, No. 1,277,431, for steel, *Held* valid. *Darwin & Milner* v. *Kinite Corporation*, 72 F.(2d) 437.

(C. C. A. Ill.) Moskowitz patent, No. 1,291,597, for electric regulator, claims 11, 19, 20, 21, and 23 *Held* valid and infringed. *Pullman, Inc.* v. *Marshall Electric Co.*, 72 F.(2d) 474.

(D. C. N. Y.) Eads patent, No. 1,467,614, for finger nail cleaning compound, *Held* not infringed. *Northam Warren Corporation* v. *D. F. Newfield Co.*, 7 F. Supp. 773.

(C. C. A. Ill.) Chandeysson patent, No. 1,564,939, for carbon-pile support, claim 7 *Held* not infringed. *Pullman, Inc.*, v. *Marshall Electric Co.*, 72 F.(2d) 474.

(D. C. Colo.) Ross patent, No. 1,581,292, for power-transmission mechanism, *Held* not infringed. *Ross* v. *Chevrolet Motor Co.*, 7 F. Supp. 745.

(C. C. A. Wis.) Wheeler and Scott patent, No. 1,639,828, for process for treating cheese, claims 4, 5, 7, 8, and 9 *Held* valid and infringed. *Lakeshire Cheese Co.* v. *Shefford Cheese Co.*, 72 F.(2d) 497.

(C. C. A. N. Y.) Lawrence patent, No. 1,718,966, for marking composition, claims 1 to 4, inclusive, and claims 6 to 8, inclusive, *Held* not infringed. *Kaumagraph Co.* v. *Superior Trade-Mark Mfg. Co.*, 72 F.(2d) 417.

(D. C. N. Y.) Fink patent, No. 1,791,267, for terrazzo strip, claims 1 to 4 *Held* valid and infringed. *Fink* v. *V. Foscato, Inc.*, 7 F. Supp. 768.

(D. C. N. Y.) Roessinger patent, No. 1,819,004, for toilet article, *Held* not infringed. *Northam Warren Corporation* v. *D. F. Newfield Co.*, 7 F. Supp. 773.

(C. C. A. Ill.) Tratsch patent, No. 1,908,380, for coin slide, claims 6 and 7 *Held* valid and infringed, claims 1 to 5 *Held* invalid. *Chicago Lock Co.* v. *Tratsch*, 72 F.(2d) 482.

(C. C. A. Ill.) Hall patent, No. 1,908,752, for coin controlled device, claims 6–12, 14–17, 19, 20, 23–25 *Held* valid and infringed. *Chicago Lock Co.* v. *Tratsch*, 72 F.(2d) 482.

(D. C. N. Y.) Fink patent, No. 1,914,115, for terrazzo strip, claims 1, 2, and 4 to 12 *Held* valid and infringed. *Fink* v. *V. Foscato, Inc.*, 7 F. Supp. 768.

(D. C. N. Y.) Buono patent, No. 1,926,644, for sewing machine, claims 5 and 6 *Held* valid and infringed. *Buono* v. *Yankee Maid Dress Corporation*, 7 F. Supp. 793.

(D. C. N. Y.) Buono patent, No. 1,926,761, for stitched fabric article, *Held* valid and infringed. *Id.*

(C. C. A. N. Y.) Stephens reissue patent, No. 16,360, for needle and its method of use, claim 23 *Held* valid but not infringed. *Stelos Co.* v. *Hosiery Motor-Mend Corporation*, 72 F.(2d) 405.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,886,814, August Hund, Piezo electric chrystal apparatus, decided October 19, 1934, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Pat. 1,894,136, C. Tyler and F. W. Parker, Fertilizer manufacture, decided October 23, 1934, claims 1, 2, 3, 7, and 8.

Pat. 1,920,227, H. K. Wilder, Storage carton, decided October 12, 1934, claim 1.

Condition of Applications Under Examination at Close of Business October 27, 1934

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 37,482; Trade-Mark Division, 940. Oldest new case, May 27, 1934; oldest amended, May 27, 1934. DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 28	Aug. 13	413
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Aug. 8	Aug. 8	515
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 25	July 27	652
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Aug. 25	Aug. 13	288
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Aug. 1	Aug. 6	479
4868 C	6. LEWERS, A. M., Carbon Chemistry	July 3	July 12	914
5725	7. JARBOE, O. G., Optics; Photography	Aug. 2	July 30	712
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 17	Aug. 23	298
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 20	Aug. 18	373
5612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	July 16	July 23	428
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 30	July 2	581
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	June 30	June 30	542
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 7	Aug. 7	421
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 13	July 13	446
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 30	July 30	774
5612	16. SPENCER, C. J., Telegraphy; Telephony	July 27	July 27	493
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 6	July 3	771
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 27	Aug. 27	328
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 5	July 23	619
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking.	Aug. 4	Aug. 13	237
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 9	July 11	637
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	July 9	July 9	869
7902	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	May 29	May 28	492
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 30	July 28	515
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 13	July 13	604
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Aug. 14	Aug. 14	289
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	July 27	July 27	474
4628	28. BENSON, A. R., Internal-Combustion Engines	Aug. 3	July 30	489
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	July 27	July 27	551
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 27	July 27	527
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	June 30	June 29	845
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	July 30	July 30	329
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	July 2	June 27	745
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	May 27	May 27	908
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	July 12	July 11	698
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	July 3	June 28	526
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	June 28	July 3	644
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	July 9	July 9	513
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 28	Aug. 1	608
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 17	July 17	895
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 1	Aug. 2	538
5882	42. CUTTING, H. O., Electric Signaling	June 28	June 27	743
4886 B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	June 18	June 18	740
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	June 27	June 22	781
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Aug. 2	Aug. 7	389
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Aug. 8	Aug. 9	363
7600	47. BARKER, H., Clutches; Brakes	July 25	July 24	791
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 3	July 3	536
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 29	June 27	678
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	June 27	June 27	807
5628	51. BACKUS, C. D., Radiant Energy	Aug. 10	Aug. 10	590
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	July 30	Aug. 4	655
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 1	Aug. 7	479
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	July 10	July 17	676
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Sept. 1	Sept. 6	315
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	June 27	July 5	812
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Aug. 10	Aug. 11	271
5606	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 4	Aug. 3	361
4709	59. RICHARD, V. I., Chemistry; Fertilizers	June 15	June 18	718
5806	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	July 5	July 5	559
6724	61. PARKS, G. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus	Aug. 2	Aug. 8	252
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	July 27	July 23	619
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	July 5	July 6	544
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	July 27	July 27	847
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 29	June 30	518
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND.	Trade-Marks	Sept. 29	Oct. 15	761
2605	DESIGNS, H. H. KALUPY (Act.)	Labels and Prints	Oct. 10	Oct. 12	179
			Sept. 29	Oct. 15	458

DECISIONS IN PATENT AND TRADE-MARK CASES

Order No. 3290

U. S. PATENT OFFICE, *Washington, Oct. 29, 1934.*

Acting under the provisions of section 483 of the Revised Statutes (U. S. C., title 35, sec. 6) and with the approval of the Secretary of Commerce, rules 93, 94, 95, 96, 107, 108, 109, 110, 111, 122, 123, 124, 128, 130, 132, 153, 154, 156, 162, and 163, are amended as follows, to take effect December 1, 1934:

RULE 93

By rewriting the first sentence thereof to read as follows:

An interference is a proceeding instituted for the purpose of determining the question of priority of invention between two or more parties claiming substantially the same patentable invention and may be instituted as soon as it is determined that common patentable subject matter is claimed in a plurality of applications or in an application and a patent.

By inserting in line 10 thereof before "applicant" the word *junior*.

RULE 94

By inserting in line 13 after "invention" the words *in controversy*.

By rewriting the second paragraph thereof to read as follows:

Where claims are copied from a patent and the Examiner is of the opinion that the applicant can make only some of the claims so copied, he shall notify the applicant to that effect, state why he is of the opinion he can not make the other claims and state further that the interference will be promptly declared and that the applicant may proceed under rule 109, if he further desires to contest his right to make the claims not included in the declaration of the interference.

Where an applicant presents a claim copied or substantially copied from a patent, he must identify the patent, give the number of the patented claim, and specifically apply the terms of the copied claim to his own disclosure.

An amendment containing a claim copied from a patent granted more than two years prior to the filing of such amendment shall not be entered unless it be accompanied by a statement specifically pointing out the claim or claims upon which the applicant relies to show that he was claiming the subject matter of the copied claim or claims within two years from the date of the patent.

RULE 95

By canceling the present rule and substituting therefor the following:

95. Before the declaration of interference it must be determined that there is common patentable subject matter in the cases of the respective parties. The issue must be clearly defined and be patentable to the respective parties, subject to the determination of the question of priority.

In case the subject matter in controversy has been patented to one of the parties but is deemed by the Examiner not to be patentable to an applicant, he shall call the case to the attention of the Commissioner.

RULE 96

By canceling the present rule and substituting therefor the following:

96. Whenever the claims of two or more applications differ in phraseology, but relate to substantially the same patentable subject matter, the Examiner shall suggest to the parties such claims as are necessary to cover the common invention in substantially the same language. The Examiner shall send copies of the letter suggesting claims to the applicant and to the assignee, as well as to the attorney of record in each case. The parties to whom the claims are suggested will be required to make those claims within a specified time in order that an interference may be declared. Upon the failure of any applicant to make any claim suggested within the time specified, such failure or refusal shall be taken without further action as a disclaimer of the invention covered by that claim unless the time be extended upon a proper showing. After judgment of priority the application of any party may be held for revision and restriction, subject to interference with other applications.

Whenever it shall be found that two or more parties whose interests are in conflict are represented by the same attorney, the Examiner shall notify each of said principal parties and also the attorney of this fact.

RULE 107

By canceling the present rule and substituting therefor the following:

107. An applicant or a patentee involved in an interference may at any time file a written disclaimer or concession of priority, or abandonment of the invention, signed by the inventor in person with the written consent of the assignee when there has been an assignment. Upon the filing of such an instrument by any party, judgment shall be rendered against him.

An applicant, except an applicant for reissue having claims from his patent in the interference, may at any time prior to the taking of testimony avoid the continuance of the interference by filing a written abandonment of the contest, signed by the inventor in person with the written consent of the assignee when there has been an assignment. Upon the filing of such abandonment of the contest the interference shall be dissolved as to that party.

Upon a showing of sufficient cause, the disclaimer, or abandonment of the invention, or abandonment of the contest, above referred to, may be executed and filed by the assignee of the entire interest.

Where an interference is terminated as provided herein, the ex parte proceedings shall be in accordance with rule 132.

RULE 108

By canceling the present rule and substituting therefor the following:

108. After the preliminary statements referred to in rule 110 have been received and approved the parties will be permitted to see or obtain copies of each other's file wrappers, and so much of their contents as relates to the interference but the preliminary statements shall not be revealed to the opposing parties except as provided in rule 111.

RULE 109

By rewriting the second paragraph thereof to read as follows:

Such motion must be accompanied by the proposed amendment, and when in proper form will be set by the Examiner of Interferences for hearing before the Primary Examiner. Where a party opposes the admission of such an amendment in view of prior patents or publications, full notice of such patents or publications, applying them to the proposed counts, must be given to all parties at least ten days prior to the date of hearing. On the admission of such amendment and the adoption of the claims by the other parties within a time specified the Primary Examiner shall redeclare the interference or shall declare such other interferences as may be necessary to include the said claims. New preliminary statements will be received as to the added claims, but motions for dissolution with regard thereto will not be considered where the questions raised could have been disposed of in connection with the admission of the claims. Amendments to the specification will not be received during the pendency of the interference without the consent of the Commissioner, except as provided herein and in rule 106.

By canceling in line 3 of the third paragraph thereof the words "in his opinion", and in line 8 of that paragraph the words "he deems", and by inserting in line 5 of that paragraph before "sub-" the words *add or*.

RULE 110

By canceling paragraph (*c*) thereof and substituting therefor the following:

(*c*) The date when he began actively exercising reasonable diligence in adapting and perfecting the invention.

By canceling in line 25 thereof the words "or used to any extent".

RULE 111

By canceling the present rule and substituting therefor the following:

111. The preliminary statements shall not be opened to the inspection of the opposing parties until all motions to dissolve under rule 122 and all motions to amend under rule 109 and interlocutory appeals respecting the same have been finally disposed of or the time for filing such motions has expired without such a motion having been filed, and the case is in condition for taking of testimony.

A junior party who fails to file a preliminary statement or a party who alleges no date in his preliminary statement earlier than the filing date of the application or

applications of another party shall not have access to the preliminary statement of said party.

If the interference be terminated by dissolution, the preliminary statements will remain sealed.

RULE 122

By inserting in line 8 thereof after "fact," the words *and also motions to shift the burden of proof,*

By canceling in line 15 thereof the word "him" and inserting in lieu thereof the words *the Primary Examiner.*

By rewriting the last paragraph thereof to read as follows:

At a hearing on a motion to dissolve an interference between an application and a patent, the prior art of record in the patent file shall be referred to for the purpose of construing the issue. No interlocutory appeal from the decision on a motion to shift the burden of proof will be entertained, but the matter may be reviewed at final hearing and on appeal.

RULE 123

By canceling in lines 2 and 3 thereof the words "by the Examiner of Interferences".

RULE 124

By canceling in lines 1 and 2 thereof the words "Examiner of Interferences" and inserting in lieu thereof the words *Primary Examiner.*

RULE 128

By canceling the present rule and substituting therefor the following:

128. If, during the pendency of an interference, a reference be found which in the opinion of the Primary Examiner renders all or part of the interfering subject matter unpatentable, the attention of the Examiner of Interferences shall be called thereto. The Examiner of Interferences may suspend the interference and refer the case to the Primary Examiner for his determination of the question of patentability, and the interference shall be dissolved or continued in accordance with such determination. The consideration of such reference by the Primary Examiner shall be *inter partes.*

RULE 130

By canceling in lines 9 and 10 thereof the words "Examiner of Interferences" and inserting in lieu thereof the words *Primary Examiner.*

By canceling in line 11 thereof the word "him" and inserting in lieu thereof the words *the Examiner of Interferences.*

By canceling in line 12 thereof the word "him" and inserting in lieu thereof the words *the Primary Examiner.*

By adding at the end thereof the following paragraph:

At final hearing between an application and a patent the prior art of record in the patent file shall be referred to for the purpose of construing the issue.

RULE 132

By canceling in lines 4, 5, 6, and 7 the words "by reason of the written concession, signed by the applicant in person, of priority of invention in favor of his opponent or opponents" and inserting in lieu thereof the words *as provided in rule 107,*

RULE 153

By inserting in line 8 thereof after the word "service." the following sentence:

Motions will not be set for hearing unless certified to by the applicant or an attorney of record that the motion is not interposed for purpose of delay and that it is believed to be well founded in law and fact.

RULE 154

By canceling paragraph (c) thereof and substituting therefor the following:

(c) Each witness before testifying shall be duly sworn according to law by the officer before whom his deposition shall be taken. The deposition shall be carefully read over by the witness, or by the officer to him, and shall then be subscribed by the witness in the presence of the officer unless the reading and the signature be waived on the record by agreement of all parties. The officer shall annex to the deposition his certificate showing (1) the due administration of the oath by the officer to the witness before the commencement of his testimony; (2) the name of the person by whom the testimony was taken down, and whether if not taken down by the officer it was taken down in his presence; (3) the presence or absence of the adverse party; (4) the place, day, and hour of commencing and taking the deposition; (5) whether or not the deposition was read by or to the witness before he signed the same; and (6) the fact that the officer was not connected by blood or marriage with either of the parties, nor interested, directly or indirectly, in the matter in controversy. The officer shall sign the certificate and affix thereto his seal of office, if he have such seal. Unless waived on the record by agreement of counsel he shall then, without delay, securely seal up all the evidence, notices, and paper exhibits, inscribe upon the envelope a certificate giving the title of the case, the name of each witness, and the date of sealing, address the package, and forward the same to the Commissioner of Patents. If the weight or bulk of an exhibit shall exclude it from the envelope, unless waived on the record by agreement of all parties it shall be authenticated by the officer and transmitted in a separate package, marked and addressed as above provided.

RULE 156

By canceling the first paragraph thereof and substituting therefor the following:

156. The testimony will be taken in answer to interrogatories, with the questions and answers committed to writing in their regular order by the officer, or by some person not interested in the case either as a party thereto or as attorney. With the written consent of all parties present the testimony may be taken down stenographically and transcribed. The testimony shall be taken down by the officer or in his presence, except when his presence is waived on the record by agreement of the parties.

By inserting after "154" in line 5 of the second paragraph thereof the following:

except when waived on the record by agreement of all parties.

By adding at the end of the rule the following paragraph:

In the absence of all opposing parties and their counsel, testimony may be taken in longhand, typewriting or stenographically.

RULE 162

By striking out in line 10 thereof the word "forty" and inserting in lieu thereof the word *fifty-five.*

By striking out in line 11 thereof the word "twenty" and inserting in lieu thereof the word *thirty-five.*

By canceling the second paragraph thereof and substituting therefor the following:

Where, however, a record does not exceed one hundred and twenty-five letter-sized double-spaced typewritten pages or the equivalent thereof, printing may be dispensed with upon request. *Provided, however,* That there shall be furnished, in addition to the original transcript, clearly legible copies of the typewritten testimony, which shall be certified to as being true copies by the party filing the same, one for the office, which shall not become part of the record and one for each adverse party, to be filed within the time specified for filing printed copies: *And provided further,* That where printing has thus been dispensed with the appellant, if appeal is taken from the decision of the Examiner of Interferences, may file three clearly legible typewritten copies of the record, both of his own and the appellee, if the same have not been printed, and which shall not become a part of the record, within thirty days from the taking of the appeal. If the copies of the record are not filed within the time specified or within any extension thereof granted by the Board of Appeals, the appeal shall be dismissed.

RULE 163

By canceling the present rule and substituting therefor the following:

163. Briefs at final hearing and on appeals from final decisions in contested cases shall be submitted in printed form and shall be of the same size and the same as to page and print as the printed copies of testimony. Where the brief does not exceed thirty legal-sized double-spaced typewritten pages or the equivalent thereof, and in any case where satisfactory reason therefor is shown, typewritten briefs may be submitted. Four copies of the brief at final hearing shall be filed by each party on dates to be set by the Examiner of Interferences, provided that the date as to the senior party shall be not less than fifteen days after the filing by the junior party and not less than ten days before final hearing. Service to be as provided in rule 154 (*b*). Briefs on appeals shall be filed as provided in rule 144.

At interlocutory hearings and on appeal from interlocutory decisions typewritten briefs may be used. Briefs in support of or opposition to motions under rule 109 and rule 122 and appeals thereon shall, except as hereinafter provided, be filed in the Patent Office not less than ten days prior to the date of hearing with proof of service on the opposing parties under the provisions of rule 154(*b*), and if not so filed consideration thereof may be refused. By stipulation of the parties or by order of the tribunal before whom the hearing is had briefs may be filed otherwise than as here prescribed.

CONWAY P. COE,
Commissioner.

Report of Patent Office Advisory Committee

THE SECRETARY OF COMMERCE, *Washington, Nov. 2, 1934.*

Hon. CONWAY P. COE,
Commissioner of Patents,
Washington, D. C.

MY DEAR MR. COMMISSIONER: The Patent Office Advisory Committee has submitted to me a full report on its activities during the past year, including a careful analysis of the interference problems.

As the new interference rules have been approved and are to become effective shortly, it occurs to me that this report will be of general interest to industry, inventors, and attorneys, and I suggest that it might be published, with advantage to those groups, in the OFFICIAL GAZETTE of the Patent Office.

Very sincerely,

DANIEL C. ROPER,
Secretary of Commerce.

OCTOBER 23, 1934.

Hon. DANIEL C. ROPER,
Secretary of Commerce,
Washington, D. C.

DEAR MR. SECRETARY: Your Patent Office Advisory Committee has the honor to submit herewith for your final approval recommendations for revision of certain of the rules relating to interference practice.

This committee, it will be recalled, was appointed by you in 1933 as an advisory board to work with the Commissioner of Patents in the consideration of problems of administration, procedure and practice. Under your instructions it was to serve as a medium for the reception and consideration of such suggestions for improvement of the patent system as might be communicated to it by associations, technical, legal, and otherwise, and by the public in general, and to make recommendations to you based on its findings. The personnel of the committee has included attorneys in general practice as well as attorneys specializing in patent practice, representatives of industrial concerns, and two representatives of the Department of Commerce, viz, Director Patton of the Coast and Geodetic Survey and Supervisory Examiner Lightfoot of the Patent Office.

In May of this year, your plan for enlarging the committee and organizing it on a permanent basis was announced. In pursuance of that plan, the two officials of the Department of Commerce were replaced by five new members appointed by you, although Mr. Lightfoot has continued to sit with the committee and to render valuable assistance to it. In further pursuance of your plan of reorganization, the committee will shortly be enlarged again by the addition of four members, thereafter consisting of 15 members each appointed for 18 months. In accordance with the plan of rotation forming a part of your plan of reorganization of the committee on a permanent basis, at intervals of six months the terms of service of five members will expire. Thus at all times at least two-thirds of the members of the committee will have had from six months' to a year's service.

Your committee began functioning in July 1933, by holding its first meeting in Washington. Since then it has held three- or four-day sessions approximately once a month. At each of its meetings, all or nearly all of the members of the committee have been present. Subcommittee meetings have been held besides the meetings of the full committee. Between sessions of the full committee the members of the committee have individually done much work preparatory to committee meetings.

Soon after your committee was appointed, suggestions for modifications and improvements in the patent practice as affecting the Patent Office, and in the conduct of the business of the Patent Office more generally, were solicited from such individuals, organizations and associations as could reasonably be reached. These included national and local patent law associations, chambers of commerce, manufacturers, technical societies, etc. In response to these invitations, a large and gratifying number of suggestions were received. Although many of these suggestions were duplicates, the suggestions received covered a wide range of subjects. Every suggestion submitted to the committee in writing has been given or is receiving most careful consideration.

A great deal of time thus far devoted to consideration of problems of the Patent Office and to the suggestions which have been made has been devoted to consideration of the interference practice. Hundreds of suggestions relating to this topic alone have been canvassed. Modifications of the theory of interference practice have been proposed. Indeed, the committee has investigated the practicability of each of several procedures differing fundamentally and radically from the present interference practice. After prolonged deliberation and study of the views of members of the bar, representatives of the American Patent Law Association, members of the Patent Office staff and reports of discussions in patent law association meetings, your committee has come to the conclusion that in the main the basic provisions of the present interference practice are sound and correct and should not be fundamentally altered, but that certain difficulties which have proved to be "bottle necks" may be eliminated or greatly lessened.

One such "bottle neck" has arisen from delays in the declaration of interferences. Under the practice, it has been necessary to defer declaration of an interference until one of the applications has been put in allowable condition. It is recommended that this condition be relieved as set forth in the proposed revision of rule 93 by providing for declaring an interference as soon as conflicting patentable subject-matter is determined to exist. It is believed that this will eliminate a great deal of the delay heretofore encountered in interference proceedings.

Another source of inconvenience and delay, in fact the one which has constituted the chief basis for criticism, is the delay necessitated by the hearing of motions. The committee proposes to reduce this delay by referring the hearing of motions on the merits to Primary Examiners. This, it is believed, not only will reduce the time required for the consideration of motions, but will also have other advantages.

Your committee has recommended, and the Commissioner of Patents has agreed, that it is feasible to establish a special docket for interlocutory appeals, which should further reduce the time required to conclude interferences.

In addition to changes designed to expedite interference proceedings and other changes looking to improvement of the interference practice in general, your committee has recommended changes directed to the elimination of abuses which have crept into the interference practice. Thus your committee has recommended that preliminary statements be withheld from opposing parties until after the disposition of motions. It is believed that fairer presentation of the bearing of the prior art upon the invention in issue will be secured by this procedure. It will be noted that, in cases where the parties wish to dispose of the controversy by settlement and wish to consider the respective preliminary statements, such procedure will not stand in the way of voluntary exchange of preliminary statements.

A requirement has been made that the preliminary statement shall include the date of beginning of diligence leading to reduction to practice. Whenever a party expects to rely upon diligence as an element of his proof of priority, his allegation as to the date of beginning of diligence should constitute a part of his pleading and should be available to his opponent before he takes testimony.

Another ground of persistent and widespread complaint is found in the application of the doctrine of estoppel in interference practice. The application of this doctrine, it appears, has been greatly enlarged by judicial procedure, over the vigorous protests of the Bar and of the public. The doctrine has been invoked to deny to a party who is or has been involved in interference the right to assert a claim, otherwise proper, to subject-matter or to a date of invention when that party has not in season asserted his claim thereto. The application of the doctrine has been extended to include as a party the common assignee of inventions of the same or different inventors. The extent to which the Patent Office has applied the doctrine of estoppel in its interpretation and application of its rules

of practice has worked great hardship and the patent bar regards it as of prime importance that adequate relief be afforded. Your committee has considered that this presents an outstanding problem and has devoted many days to consideration of this question alone.

An interference is a unique judicial procedure. It is a contest which it is the duty of the Patent Office to institute and the duty of the parties thereafter to develop and maintain under the supervision of the Patent Office or else suffer forfeiture of rights. It appears to be logical that the notification to the parties of the existence of interfering claims puts upon the parties the burden of determining the extent of interference between them.

In an interference each party occupies the dual position of being first, a claimant of the subject-matter for himself, and second, of being an opposer to the other party or parties. The final decree in an interference case is an award of priority. This has the dual effect of nominating the one whose activity is a bar to the grant of patent to the other party or parties and at the same time of designating the one who has qualified himself to receive the patent.

Where ample opportunity is given a party to bring forward any proper claim as to subject-matter or as, to dates and he fails or refuses to advance his claim—barring extraordinary circumstances—it would appear that he may disqualify himself to receive the patent, but his activities may nevertheless constitute a bar to the grant of the patent to the other party or parties.

It would be an idle and fruitless quest to proceed through the trial stage of an interference between two parties, one of whom, while he is not entitled to receive the patent because he is tardy in asserting or revealing his claim, nevertheless can show that the other is not entitled to receive the patent.

The Patent Office is not charged with the duty of granting a patent to the first inventor unless he complies with all proper requirements, and the Patent Office will not knowingly issue a patent to one who is not the first inventor and who is not entitled to the patent. If the Patent Office is duly apprised of the fact and supplied with proof that a bar exists to the grant of a patent to an applicant, then the issuance of the patent to such an applicant is not justified.

The situation thus developed in the practice may lead into a dilemma.

(1) To deny a party participation in an interference when he fails or refuses to assert or reveal his claim within the times provided, and where his activities constitute a bar to another, may result in an award of priority in favor of an issuance of a patent to one who is not the first inventor and who is not entitled to the patent.

(2) To admit to participation in an interference a party who is barred (by his own laches or failure to comply with orderly procedure) from receiving the patent is to give a pure right of opposition, i. e., a right of opposition not coupled with a claim, and that is not sanctioned by law.

While it would appear that the proper administration of the law requires strict compliance of a party with the regulations requiring him to assert or reveal his claim within the time prescribed or permitted by the practice—otherwise the practice degenerates into chaos—nevertheless it would appear that invariable forfeiture of rights, regardless of circumstances, is an exceedingly severe application of the doctrine not consistent with the doctrines of equity upon which it rests. It is believed that a treatment of each case upon its own facts by or under the authority of the Commissioner of Patents will evolve a proper procedure mitigating the severity of the practice as heretofore adopted and avoiding the dilemma above pointed out, which procedure may, when evolved, be cast into the form of a rule.

Your committee, after long and intensive consideration of the matter, has therefore arrived at the following conclusions:—

(1) That in general, where a party is tardy in asserting an interfering claim to subject-matter or to dates, the particular facts should be considered in determining whether and to what extent the party is under default so that the doctrine of estoppel should be applied. However, having regard to the numerous factual variations which may be encountered, it is questionable whether a rule of universal application can be safely laid down. Therefore, the members of the committee, although being in general accord as to the principles which should govern, are making no recommendation as to this branch of the problem, in the absence of a solution that they feel to be entirely satisfactory.

(2) That in the particular case where an interference is terminated by dissolution without an award of priority, a rule limiting the application of the doctrine of estoppel may properly be made.

Accordingly, your committee has already recommended and received your approval of a revision of rule 116, and rule 116 as so revised went into effect August 21 of this year. With regard to estoppels arising out of cases in other categories, your committee is not prepared to make final recommendations but still has the matter under consideration.

It is believed that the provisions of revised rule 116 will alleviate in considerable measure the hardships complained of heretofore, and that the effect of revised rule 116 should be studied before further changes in the rules relating to interference practice are recommended.

Since the final determination of how far the limits of the doctrine of estoppel can wisely and properly be defined in the rules of practice will require extended consideration, your committee does not deem it wise to defer presenting its revision of the interference rules to you until its consideration of this particular matter has been concluded.

Your committee is continuing its deliberations with a view to taking action upon other matters now before it and upon such matters as may be referred to it from time to time.

Grateful acknowledgement is made to you for your sympathetic cooperation and whole-hearted support and to the Commissioner of Patents for giving generously of his time and for his counsel and advice. By putting all of the resources of the Patent Office at the command of your committee, you have greatly facilitated its work.

Respectfully submitted,

LOYD H. SUTTON,
Chairman.
JNO. W. TOWNSEND,
Secretary.

Committee Members

William J. Belknap, Harlow M. Davis, John A. Dienner, Franklin E. Hardy, Carl D. Kelly, Justin W. Macklin, George Ramsey, H. B. Spalding, Augustus B. Stoughton; Loyd H. Sutton, Chairman; John W. Townsend, Secretary.

U. S. Court of Customs and Patent Appeals

CRANE *v.* GRIER AND WARREN

No. 3,293. Decided June 12, 1934

[71 F.(2d) 180]

1. INTERFERENCE—SUBSTITUTION OF SOLE APPLICATION FOR JOINT.

Record reviewed and *Held* that under the circumstances it was proper to permit the substitution of the sole application of G. for the joint application of G. and W. originally involved in the interference.

2. SAME—PRIORITY—RIGHT TO MAKE THE CLAIMS.

Record reviewed and *Held* that the invention in issue in the interference is disclosed in the application of G. and W.

3. SAME—SAME—REDUCTION TO PRACTICE—DILIGENCE.

Priority *Held* properly awarded to G. who was the first to conceive the invention since he was not lacking in due diligence in reducing the invention to practice.

APPEAL from the Patent Office. Affirmed.

Mr. Harry S. Demaree, Mr. Earl Babcock, and *Mr. William S. Hodges* for Crane.

Mr. Robert R. Candor for Grier and Warren.

BLAND, *J.:*

This is an appeal by the senior party, Crane, from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner of Interferences in awarding priority of invention to John A. Grier, as sole inventor, the said Grier being one of the alleged joint inventors (Grier and Warren), the junior parties. The counts involved are five in number and were claims taken from the Crane patent, No. 1,704,655, issued on March 5, 1929, on an application filed March 17, 1927. The joint application of Grier and Warren was filed March 31, 1927. It will be seen that Crane is senior by 14 days, and that both applications were copending.

After the taking of testimony by Grier and Warren a motion was made by them to substitute for the joint application a sole application of John A. Grier. Motion was also made to permit the amendment of the junior parties' preliminary statement so as to change the dates therein set out. The Examiner of Interferences granted the motion to substitute the sole application for the joint one but denied the motion to change the dates.

It was held by the Examiner of Interferences and the Board of Appeals that said Grier had conceived the invention of the counts involved prior to the conception date set up in the preliminary statement of the party Crane, and that Grier was diligent in reducing the invention to practice. The exact dates for conception and reduction to practice of the party Crane were not found by either of the tribunals below.

In this court three main questions are urged in appellant's assignments of errors:

First. That error was committed in permitting the change of application from a joint one to one in which Grier was the sole inventor, it being contended by appellant that the junior parties should be barred from such amendment on account of laches in discovering and presenting the motion.

Second. That the junior parties' application does not support the counts at issue.

Third. That in event it is held that the junior parties can make the counts and are prior in conception, there was a lack of diligence from just prior to the time Crane entered the field until the date of the junior parties' reduction to practice.

The subject matter involved in the interference relates to refrigerating apparatus and more particularly to a motor-compressor unit for use in refrigerating apparatus which is hermetically sealed from the outside atmosphere.

The first question to be considered is the propriety of permitting the substitution of the application of the sole inventor for that of the joint inventors.

It is urged by appellant that appellees made no sufficient showing of lack of negligence at the time of preparing the original preliminary statement, in discovering the true facts which were afterwards set out in the affidavit. Appellant states that it is well settled that such a substitution is only permitted where the showing is clear that there was no negligence in discovering the true facts. Appellant urges that there is no showing in the record why the mistake as to the real inventor was not discovered until the taking of the testimony and that the affidavit of Grier, filed in support of the motion, shows conclusively that the alleged evidence which made the substitution desirable was in Grier's possession at all times and that it was later found when diligent search was made for it.

We have examined with some care the facts set out in the affidavit by Grier relied upon as a basis for the motion of substitution. It states, among other things, that at the time of the filing of the preliminary statement of Grier and Warren diligent search was made to establish all the facts necessary for the drafting of the preliminary statement; that every source was investigated and that every place was searched where there was reason to believe that facts required for the preliminary statement might be found and that search was made with due diligence and care; that shortly before the taking of the testimony in chief by Grier and Warren the attorneys of record informed the said Grier that he would be questioned not only regarding his activities from the date of conception of the invention, but also as to his experience and activities in general prior thereto with respect to refrigeration; that Grier then, in an effort to obtain evidence showing his previous experiences in connection with refrigeration began searching in a portion of a trunk at his home, which trunk contained papers relating to a certain refrigerator which he had previously developed and sold under the trade name "Zima"; that there was no reason to believe that any of this matter concerning the "Zima" refrigerator had any connection with the refrigerator involved in the interference since the "Zima" refrigerator was quite different in character; that while searching in this trunk he found and for the first time recollected the sketch now marked "Grier and Warren Exhibit A" which discloses the subject matter of the involved counts and that the finding of the sketch was accidental, and that it was located in a place where it was not reasonable to expect it would be found.

Warren swears that he believes that Grier is the sole inventor, and that the joint application was filed through inadvertence. Grier swears that he is the sole inventor of the subject matter involved, and that his filing of the joint application was without any fraudulent intent and occurred through inadvertence. The record shows that at the time when the original drawing was introduced into the testimony in chief of Grier and Warren, no testimony for Crane had been taken.

[1] In view of the above stated showing it seems clear that the application of Grier and not the joint application of Grier and Warren was the proper one to consider in the interference, and we conclude that the Examiner of Interferences and the Board of Appeals, in affirming the action of the Examiner of Interferences, committed no error in permitting the substitution complained of.

Appellant has stressed with great earnestness and discussed at great length his contention that the

junior parties cannot make the counts in issue, and bases his contention chiefly upon the ground that each of the counts contains limitations which will now be pointed out: Count 1 requires that the main frame comprises the *support for* the unit which consists of the motor and compressor. Count 2 calls for a *main supporting frame.* Count 3 contains the phrase "a main frame comprising a support for both a prime mover and a compressor (etc.)." Count 4 calls for a motor *mounted on* one side of the main frame member and the compressor on the other, and count 5 calls for a *main supporting frame and a motor and a compressor carried by said frame.*

Appellant urges that the counts involved in the Crane application, from which they were taken mean that the frame must be the *only support* for the compressor and the motor and that it is shown in the junior parties' application that the main frame supports the motor and the compressor in part only, and that a third leg or additional support acts also to support the assembly.

Originally claim 3 of the Crane patent was involved in the interference. It reads as follows:

> 3. A motor compressor unit comprising in combination a central main frame, closure members secured to each side of said frame and forming two distinct chambers, a motor located in one of said chambers and a compressor in the other, said motor and said compressor being *supported entirely* by said frame. [Italics ours.]

The Examiner of Interferences held that the junior parties could not make this count inasmuch as the claim definitely required that the motor and compressor should be supported *entirely by the frame,* and that this constituted a limitation which would not read on the Grier and Warren disclosure. As to the other counts it was held that under the rule that claims must be given the broadest construction of which they are susceptible even though one of the parties is a patentee (*Morgan* v. *Taylor* v. *Hanson,* 1914 C. D. 90) that the counts read upon the Grier and Warren disclosure. In substance it was held that the main frame of Grier and Warren did support the motor and the compressor even though a third leg was an additional support.

At first blush the question presented here would seem to be a troublesome one in view of this court's decisions in *Field* v. *Stow,* 18 C. C. P. A. (Patents) 1502, 49 F.(2d) 1072, 413 O. G. 283; *Mudd* v. *Schoen,* 19 C. C. P. A. (Patents) 840, 54 F.(2d) 959, 417 O. G. 847; and *Atherton* v. *Payne,* 19 C. C. P. A. (Patents) 867, 54 F.(2d) 821, 418 O. G. 818, and other cases where certain claimed limitations were held to be of such importance as to prevent one of the interference parties from making the counts. However, when these cases are carefully considered and all facts of the instant interference are taken into consideration, it becomes clear that the authorities relied upon do not require that in the instant case the so-called limitations pointed out by appellant shall be held to prevent the junior parties from making the counts.

As above stated, appellant in his said patent has distinguished between "supported entirely by" and "supported by" and it has been held in this proceeding that the junior parties cannot make the count which provides "supported entirely by." Appellant still has, in his patent, the claim which is limited by the phrase "supported entirely by" and the same has not been affected by this interference proceeding.

[2] We are of the opinion that the concurring tribunals below correctly held that the junior parties could make the counts at bar and properly overruled the motion for dissolution of the interference.

As to the third contention of appellant which relates to diligence on the part of the party Grier, appellant urges that from October, 1925, to April, 1926, Grier and Warren were working on radio apparatus and that during this time they held conferences and made plans to organize the company to produce a refrigerating apparatus and that during the period from April to October, 1926, an entirely different machine was constructed, which machine had been conceived by one Van Deventer who is not a party to this interference.

The Examiner of Interferences discussed this question in great detail and stated that Grier must prevail in this interference if—

> he was exercising due diligence from just prior to December 8, 1925, until March 31, 1927, when he filed his application for patent, or until the first actual reduction to practice which he may establish which cannot be prior to May, 1926, the date alleged by Grier for reduction in his preliminary statement.

The testimony of the witnesses as to what took place in that period of time is set out in the statement of the Examiner of Interferences and the conclusions which he drew therefrom are clearly stated. The Examiner of Interferences said:

> Further, it appears from the testimony that Grier and those working in his behalf were exercising due diligence with respect to his invention from just prior to December 8, 1925, when it will be assumed, although not conceded, that Crane entered the field, until Grier reduced to practice, as held, in January, 1927. This period is but a little over one year and is certainly not an unreasonable length of time in which to design, develop, construct and test a machine of the type here under consideration. As stated by the witnesses, other parts of the composite machine, such as valves, *etc.,* had to be developed and associated with the novel refrigerating unit, and many unforeseen difficulties incident to the production of a new type of mechanism were necessarily encountered. It appears that the members of the new organization were endeavoring to produce the unit as rapidly as was practical under the circumstances.
>
> It is true that over some portion of the period in question the Van Deventer organization was engaged in constructing the two machines which were demonstrated at the New York Electrical Show in October, 1926. These machines appear to be of the type shown in the Van Deventer application, Serial No. 141,213, which application has been held not to support the counts. But even assuming, therefore, that these two machines did not respond to the issue, it is not believed that Grier was lacking in the exercise of reasonable diligence. It appears that the immediate production of these two machines was necessary to preserve the financial status of the entire new project. Any departure from the bell type of construction was merely a necessary temporary measure and, as indicated by the testimony, the bell type of structure was always regarded as the proper and ultimate construction and was never abandoned. In fact it appears that negotiations and conferences relative to the bell type of unit, as well as work on the other parts of the machine, continued while the two October machines were being constructed, and that after their completion the efforts of the entire organization were again directed to the bell type construction. Under all the circumstances of the case it is believed that Grier and his associates followed a reasonable course of action, and in any event it does not appear that Grier was so clearly lacking in diligence at any time during the period in question as to deprive him, clearly the first to conceive, of the benefits of his invention. *Joy* v. *Morgan,* 320 O. G. 4; 54 App. D. C. 110; 1924 C. D. 208, *Christensen* v. *Ellis,* 94 O. G. 2561; 17 App. D. C., 498; 1901 C. D. 326. Grier should prevail.
>
> It becomes unnecessary to consider the senior party's record.

The Board of Appeals, in affirming the action of the Examiner of Interferences, said:

> Passing now to the matter of diligence which we regard as the most difficult question raised in this appeal. We do not consider there is any reasonable doubt but that the party Grier and his associates were diligent in their efforts to produce their new refrigerator. The fact that they interrupted their work for a time in order to produce another unit for display at a show in order to raise money we do not regard as indicating lack of diligence. The feature of the record, however, which we do find the most troublesome is the fact that they devoted a substantial portion of their time to providing other elements for the complete refrigerator. In this particular instance we do not believe that there was any doubt but that the unit designed by the party Grier would function for the intended purpose if submitted to a test, and it is believed obvious that the engineers of his company had no doubt as to this. It also appears that at that date there was no particular demand for such a unit as an independent article of manufacture and that the only article which probably would be open to commercial success would be a complete refrigerator. It is to be remembered that this company was not attempting to build an interference record but a refrigerator, and it is our view that under the circumstances slightly more than a year was not too long for the development which they were carrying on and that in view of the nature of their activities it was not necessary in that length of time for them to have stopped work on their complete refrigerator to build a make-shift unit of the character called for by the counts in order to produce an actual reduction to practice. It is our view that where an inventor is attempting to provide other cooperating devices in order to properly utilize his invention, he is entitled to some additional time for this purpose and each case must be decided on its own merits. It appears to us that Grier and his associates were not primarily concerned with obtaining a patent but were endeavoring to produce a new and practical refrigerator which they would be free to manufacture. It has been repeatedly held that an inventor has his choice between actual and constructive reduction to practice and we consider that the party Grier was justified in waiting until the complete details of their actual construction were worked out before filing an application. We agree with the Examiner of Interferences, therefore, that the party Grier was diligent. For a discussion of the record the Examiner's decision should be consulted.

[3] We agree with the decision of the Board of Appeals that under the circumstances of this case Grier has offered sufficient explanation for the delay in his reduction to practice. We think under all the circumstances he acted with reasonable diligence. Consideration must be given to the nature of his employment and to the things which he was required to do under such employment which took him away temporarily from the actual reduction to practice of the particular invention outlined in the counts involved. To hold otherwise would pave the way for the denial of a patent to the one who was first to conceive the invention where the delay was caused by considerations over which he had no control.

We have given very careful consideration to all of the contentions and arguments made by appellant, but we are not convinced that there was any error in the decision of the Board of Appeals in affirming the decision of the Examiner of Interferences in awarding priority of the subject matter of the issues presented to Grier, as sole inventor, and the decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.,* did not participate.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,247,540, 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; 1,343,797, Stott & Jones, Aeration of sewage and other impure liquids, filed Aug. 11, 1934, D. C., N. D. Ill., E. Div., Doc. 14037, *Activated Sludge, Inc.,* v. *City of Geneva, Ill.* Doc. 14038, *Activated Sludge, Inc.,* v. *City of Woodstock, Ill.* Same, filed Aug. 29, 1934, D. C., N. D. Ill., E. Div., Doc. 14054, *Activated Sludge, Inc.,* v. *Village of Grays Lake, Ill.* Same, filed Aug. 24, 1934, D. C., N. D. Tex. (Abilene), Doc. E 832, *Activated Sludge, Inc.,* v. *City of Colorado, Tex.* Doc. E 833, *Activated Sludge, Inc.,* v. *City of Cisco, Tex.*

1,247,542. (See 1,247,540.) 1,252,909. (See 1,315,731.)

1,262,860, S. B. Smith, Incubator, filed July 19, 1934, D. C., S. D. Iowa (Creston), Doc. E 4108, *S. B. Smith* v. *Miller Hatcheries, Inc.*

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,315,731, A. B. Low, Vulcanizer; 1,252,909, same, Prepared fuels, filed Sept. 7, 1934, D. C., E. D. La. (Baton Rouge), Doc. 313, *A. B. Low et al.* v. *Ingo Auto Parts Co., Inc., et al.*

1,339,066, C. E. Manus, Bottle closure; 1,899,782, A. H. Warth, Material for facing bottle caps and method of making same; 1,899,783, same, Bottle cap and method of manufacturing same; Re. 19,117, same, Process of producing closures; 1,956,481, same, Spot crown and liner material therefor; 1,967,195, same, Method of manufacturing bottle caps, filed Sept. 10, 1934, D. C., E. D. N. Y., Doc. E 7371, *Crown Cork & Seal Co., Inc.,* v. *F. Guttmann & Co.*

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1,343,797. (See 1,247,540.)

1,376,154, J. M. Morris, Electrical lighting device; 1,620,548, R. O. Hammond, Lighter for cigars; 1,710,531, J. H. Cohen, Electrical device; 1,763,343, same, Electrical device and the manufacture thereof; 1,834,122, 1,944,923, 1,944,924, 1,944,925, same, Cigar lighter; 1,919,159, F. C. Copeland, same, filed Sept. 15, 1934, D. C., Conn. (New Haven), Doc. E 2392, *Casco Products Corp. et al.* v. *The Cuno Engineering Corp.*

1,392,629, 1,890,974, C. P. Dubbs, Process of converting hydrocarbons, D. C. Del., Doc. E 1032, *Universal Oil Products Co.* v. *The Black Gold Refining Co.* Consent decree dismissing bill without prejudice Sept. 10, 1934.

1,403,250, Jones & Nielson, Paper feeding mechanism, filed Sept. 12, 1934, D. C., N. D. Ohio, E. Div., Doc. 5024, *The Duplex Envelope Co., Inc.,* v. *A. W. Nielson.*

1,415,452. (See 1,339,349.)

1,452,043, C. W. Harrold, Inking mechanism; Re. 18,031 (of 1,860,957), G. A. Rutkoskie, Apparatus for producing wax carbon spots on sheets of paper by impression; 1,865,445, same, Heat control for wax carboning press; 1,930,429, same, Process of producing wax carbon spots on sheets of paper by impression on an ordinary printing press; 1,961,828, same, Process for producing wax carbon spots; 1,961,826, N. S. Welk, Printing press for printing wax carbon spots on sheets of paper; 1,961,829, Rutkoskie & Welk, same, filed Aug. 8, 1934, D. C. Del., Doc. E 1074, *The McBee Co.* v. *Remington Rand, Inc.*

1,492,990. (See 1,339,349.)

1,505,592, F. W. Epperson, Frozen confectionery, D. C., S. D. N. Y., Doc. E 76/215, *National Popsicle Corp et al.* v. *A. Aboloft et al.* (*Long Joe*). Consent decree for plaintiff (notice Sept. 11, 1934).

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1,563,124, J. R. Wald, Die, D. C., S. D. Ohio, W. Div., Doc. E 897, *J. R. Wald* v. *Wright & Sons.* Claims 1, 2, and 3 held valid and infringed (notice Sept. 14, 1934).

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Chemical Co., Barytes, D. C., S. D. Tex. (Houston), Doc. E 530, *National Pigments & Chemical Co.* v. *Mid Continent Mud Co. et al.* Decree for plaintiff Sept. 8, 1934.

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1,661,144. (See 1,833,689.) 1,673,322. (See 1,833,689.)

1,688,608. (See 1,552,968.) 1,710,531. (See 1,376,151.)

1,715,000, A. Cheney, Interlocking metal flashing; 1,860,240, E. H. Friedrich, Flashing, appeal filed Aug. 1, 1934, C. C. A., 1st Cir., Doc. 2948, *E. Van Noorden Co. et al.* v. *The Cheney Co.*

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1,824,698, M. J. Weber, Combined lever and coil spring type of scale, D. C., N. D. Ohio, E. Div., Doc. E 4990, *Continental Scale Works* v. *The Monarch Aluminum Ware Co.* Patent held infringed, injunction granted Sept. 11, 1934.

1,830,077. (See 1,833,689.)

1,833,689, R. H. Nicholson, Separable fastener slider; 1,661,144, 1,813,433, G. Sundback, Separable fastener; Re. 17,891, same, Fastener; 1,673,322, J. B. Freysinger, Flexible closure; 1,813,434, J. P. Bennett, Separable fastener; 1,830,077, E. O. Seaver, same, appeal filed Sept. 17, 1934, C. C. A., 2d Cir., Doc. 13571, *Hookless Fastener Co.* v. *G. E. Prentice Mfg. Co.*

1,833,983, J. F. Werder, Valve, filed Sept. 17, 1934, D. C., N. D. Ohio, E. Div., Doc. E 5034, *J. F. Werder et al.* v. *The Weatherhead Co.*

1,834,122. (See 1,376,154.)

1,844,354, J. Grant, Expanding well reamer, filed Sept. 6, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 389–J, *J. Grant* v. *E. Koppi.*

1,860,240. (See 1,715,000.)

1,860,349, J. L. Larking, Collapsible container, filed Sept. 11, 1934, D. C. Del., Doc. E 1075, *Forbes Lithograph Mfg. Co.* v. *Container Corp. of America.*

1,860,957. (See 1,452,043.) 1,865,445. (See 1,452,043.)

1,879,513, L. Rothholz, Plate glass transporting truck, filed Sept. 17, 1934, D. C., E. D. N. Y., Doc. E 7374, *L. Rothholz* v. *J. McDonald et al.*

1,890,974. (See 1,392,629.)

1,896,934. (See Re. 18,732.)

1,899,782. (See 1,339,066.) 1,899,783. (See 1,339,066.)

1,910,848. (See Re. 18,732.)

1,910,849. (See Re. 18,732.)

1,919,159. (See 1,376,154.) 1,930,429. (See 1,452,043.)

1,944,923. (See 1,376,154.) 1,944,924. (See 1,376,154.)

1,944,925. (See 1,376,154.) 1,956,481. (See 1,339,066.)

1,957,964, L. E. Jones, Method and apparatus for treating fruit, filed Sept. 6, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 393–M, *Food Machinery Corp.* v. *Bradford Bros., Inc.* Doc. E 392–J, *Food Machinery Corp.* v. *Consolidated Orange Growers.*

1,961,826. (See 1,452,043.) 1,961,828. (See 1,452,043.)

1,961,829. (See 1,452,043.)

1,966,063, C. A. Domler, Bracelet connecter, filed Sept. 13, 1934, D. C. Conn. (New Haven), Doc. E 2391, *The Hadley Co., Inc.*, v. *Savitt, Inc.*

1,966,691, Shapiro & Joffe, Transmission apparatus, filed Sept. 17, 1934, D. C., E. D. N. Y., Doc. E 7375, *H. Shapiro et al.* v. *J. Iannone et al.*

1,967,195. (See 1,339,066.)

1,970,735, F. W. Carlson, Apparatus for baking pies, filed Sept. 11, 1934, D. C. Minn., 4th Div., Doc. E 2787, *Paramount Pies, Inc.*, v. *Lakeview Bakery Co., Inc.*

Re. 15,140. (See 1,247,540.)

Re. 17,891. (See 1,833,689.)

Re. 18,732, W. J. Beattie, Method of manufacturing soft collars and product thereof; 1,896,934, same, Collar point shaping machine; 1,910,848, S. J. McAuley, Collar and method of shaping same; 1,910,849, same, Shaping means, filed Aug. 8, 1934, D. C. Del., Doc. E 1073, *The Beattie Mfg. Co. et al.* v. *Tutelman-Kohn-Marcus, Inc.* Same, D. C. Del., Doc. E 1057, *The Beattie Mfg. Co. et al.* v. *L. Miller.* Consent decree holding patents valid and infringed Sept. 5, 1934.

Re. 18,931. (See 1,452,043.)

Re. 19,117. (See 1,339,066.)

Re. 19,148. (See 1,655,003.)

Des. 76,819, G. N. Mas, Bottle, appeal filed Sept. 15, 1934, D. C. A., 4th Cir., Doc. 3762, *American Ornamental Bottle Corp. et al.* v. *Orange-Crush Co.*

Des. 77,877. (See Des. 84,458.)

Des. 84,458, G. Brain, Water closet bowl; Des. 77,877, same, Lavatory; Des. 86,935, Des. 86,936, G. Sakier, Bath tub, filed Sept. 11, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 395–M, *Standard Sanitary Mfg. Co.* v. *Washington-Eljer Co.*

Des. 86,935. (See Des. 84,458.)

Des. 86,936. (See Des. 84,458.)

Des. 93,213, A. Goodman, Dress, filed Sept. 15, 1934, D. C., S. D. N. Y., Doc. E 79/6, *A. Goodman & Co., Inc.*, v. *The Style Dress Co., Inc.*

T. M. 214,989. (See 1,575,945.)

Disclaimers

1,375,293.—*Howard L. Ingersoll*, White Plains, N. Y. BOOSTER-MOTOR FOR LOCOMOTIVES. Patent dated April 19, 1921. Disclaimer filed October 23, 1934, by the patentee, and the assignees, *Locomotive Booster Company, and Franklin Railway Supply Company.*

Hereby enter this disclaimer to that part of the claims in said specification which is in the following words, to wit:

"13. The combination with a locomotive having main driving wheels, means for driving the same and a normally idle axle with its wheels; of a booster motor adapted to drive said axle in starting and at low speeds of the locomotive, a frame for carrying the motor having a pair of spaced bearings at one end engaging said axle, and means at the other end providing a flexible support for the frame on a part of the locomotive.

"14. The combination with a locomotive having main driving wheels, means for driving the same, and a normally idle axle with its wheels; of a booster motor adapted to drive said axle in starting and at low speeds of the locomotive, a frame for carrying the motor having a pair of spaced bearings at one end engaging said axle, and means for flexibly supporting the other end of said frame at a single point on a part of the locomotive.

"15. The combination with a locomotive having main driving wheels, means for driving the same and a normally idle axle with its wheels; of a booster motor adapted to drive said axle in starting and at low speeds of the locomotive, a frame for carrying the motor having a pair of spaced bearings at one end engaging said axle, means at the other end providing a flexible support for the frame on a part of the locomotive, and a pair of gears one on said axle between said bearings and the other on the frame providing a driving connection between the motor and said axle.

"17. The combination with a locomotive having main driving wheels, means for driving the same, a normally idle axle with its wheels, and a truck frame supported by said axle; of a booster motor to drive said axle in starting and at low speeds of the locomotive, a frame carrying said motor having a pair of spaced bearings at one end engaging said axle, and means for flexible supporting the other end of said motor frame at a single point on the truck frame.

"18. The combination with a locomotive having main driving wheels, means for driving the same, a normally idle axle with its wheels, and a truck frame supported by said axle; of a booster motor to drive said axle in starting and at low speeds of the locomotive, a frame carrying said motor having a pair of spaced bearings at one end engaging said axle, and resilient means for supporting the other end of said motor frame at a single point on the truck frame."

1,600,427.—*Montague H. Roberts*, Englewood, N. J. LOCOMOTIVE-BOOSTER LUBRICATION. Patent dated September 21, 1926. Disclaimer filed October 23, 1934, by the assignee, *Franklin Railway Supply Company.*

Hereby enters this disclaimer to that part of the claims in said specification which is in the following words, to wit:

"7. An enclosed booster journaled about and disconnectibly driving a railway vehicle axle, said booster being substantially self-lubricating and also supplying lubricant to its journal bearing at said axle.

"8. A booster comprising a substantially horizontal closed engine frame and casing structure, with a railway vehicle axle at one end, an engine cylinder and motive fluid admission structure at its other end; and a crank shaft journaled in said casing paralleling said axle, means of connection between said crank shaft and the moving parts in said cylinder and admission structure, gearing for operatively interconnecting and disconnecting crank shaft and axle, and journal bearings for said casing structure at the axle, all automatically lubricated through splash action of parts on said crank shaft."

"11. A substantially horizontal enclosed booster disconnectibly driving a railway vehicle axle and substantially self-lubricating by splash action, with journal bearing means for said axle at one end of the enclosing casing of the booster communicating therewith to receive lubrication from the splash and permit return of lubricant to the casing.

"12. A substantially horizontal enclosed booster disconnectibly driving a railway vehicle axle and substantially self-lubricating by splash action, with journal bearing means for said axle at one end of the enclosing casing of the booster, and means open upward in the booster casing for collecting the splash therein and supplying the same to said bearing."

"14. An enclosed locomotive booster journalled on the axle which it drives, said booster being substantially self-lubricating by splash action, and provided with means for supplying the splashed lubricant to the low pressure regions of said journal bearing."

1,602,124.—*Montague H. Roberts*, Englewood, N. J., and *Frank R. Peters*, New York, N. Y. LOCOMOTIVE BOOSTER. Patent dated October 5, 1926. Disclaimer filed October 23, 1934, by the assignee, *Franklin Railway Supply Company.*

Hereby enters this disclaimer to that part of the claims in said specification which is in the following words, to wit:

"1. In a booster motor, a bed plate having a pair of inverted axle bearing pillows projecting from the forward end thereof and spaced so as to lie on either side of the axle gear, a tie between pillows acting as a hood portion for such gear, a pair of bearing caps, and a tie between the caps also serving as a hood portion for such gear.

"2. In a booster motor, a bed plate having a pair of inverted axle bearing pillows projecting from the forward end thereof and spaced so as to lie on either side of the axle gear, a tie between pillows acting as a hood portion for such gear, a pair of bearing caps, and a tie between the caps also serving as a hood portion for such gear, such ties being respectively integral with the pillows and the caps."

"4. A booster motor bed plate having a pair of inverted axle bearing pillows at the forward end thereof, means at the rear end thereof for attachment of the booster engine cylinders, and longitudinal stiffening means tying the ends of the plate.

"5. A booster motor bed plate having a pair of inverted axle bearing pillows at the forward end thereof, means at the rear end thereof for attachment of the booster engine cylinders, and a pair of longitudinal ribs tying the ends of the plate."

"10. A booster bed plate having a rising portion at front and rear and two longitudinal ribs connecting the rising portions disposed so as to provide a central compartment and side compartments flanking the central compartment; the central compartment being adapted to receive the crank shaft and the side compartments the piston cross heads and connecting rods."

"14. A booster bed plate having a rising portion at front and rear and two longitudinal ribs connecting the rising portions, said ribs being provided with crankshaft bearing pillows.

"15. A booster bed plate having a rising portion at front and rear and two longitudinal ribs connecting the rising portions, said ribs being provided with crankshaft bearing pillows, together with a rib tying the longitudinal ribs in proximity to the pillows.

"16. A booster bed plate having a rising portion at front and rear and two longitudinal ribs connecting the rising portions, said ribs being provided with crankshaft bearing pillows, together with a rib tying the longitudinal ribs in proximity to the pillows; all cast integral."

1,779,367.—*Herman Alexander Bruson*, Philadelphia, Pa. CONDENSATION PRODUCT AND PROCESS FOR PREPARING SAME. Patent dated October 21, 1930. Disclaimer filed October 18, 1934, by the patentee, and the assignee, *The Resinous Products & Chemical Company*, approving.

Hereby enters disclaimer to the following parts of the specification and claims, namely:

1. Claims 5, 6, 7, 8, 13, 14.

2. Claims 1, 3, 9, 11 except as they are read to exclude polyglycerol.

1,783,165.—*Herman Alexander Bruson*, Philadelphia, Pa. MIXED ESTERS OF COLOPHONY AND RELATED SUBSTANCES. Patent dated November 25, 1930. Disclaimer filed October 18, 1934, by the patentee and the assignee, *The Resinous Products & Chemical Company*, approving.

Hereby enters disclaimer to the following parts of the specification and claims, namely:

1. Claims 12, 13, 14.

2. Claims 1, 2, 5, 6, 15, 17 except when read to exclude dihydric alcohols.

3. The process of claim 18 except when sebacic acid is employed.

1,783,167.—*Herman Alexander Bruson*, Germantown, Pa. PREPARATION OF RUBBERLIKE MASSES. Patent dated November 25, 1930. Disclaimer filed October 18, 1934, by the patentee, and the assignee, *The Resinous Products & Chemical Company, approving.*

Hereby enters disclaimer to the following parts of the specification and claims, namely:

1. Claims 2, 7, 13, 14.

2. Claims 4, 6, 9, 10 except where in the formula, *n* is a whole number between 5 and 8, inclusive.

1,827,018.—*Charles Howard Jenkins*, Chicago, Ill. PROCESSES AND APPARATUS FOR TREATING HEAVIER HYDROCARBONS. Patent dated October 13, 1931. Disclaimer filed October 17, 1934, by the assignee, *Jenkins Petroleum Process Company*, and the patentee.

Hereby enters this disclaimer from the scope of claims one (1), two (2), three (3), eight (8) and nine (9) of the aforesaid Letters Patent of any and all processes for cracking hydrocarbon oils, saving and excepting such processes in which the oil undergoing cracking is circulated in a plurality of restricted streams through a bank of heating tubes at a velocity of upwards of eighteen feet per second, thence in an unrestricted stream through a non-extraneously heated drum, and oil from said drum

is returned to said bank of heating tubes for re-circulation therethrough, as aforesaid.

And your petitioner hereby enters this disclaimer from the scope of claims four (4), five (5) and six (6) of the aforesaid Letters Patent of any and all constructions, saving and excepting such constructions in which the rim is attached to and rotates with the propeller blades.

1,830,948.—*Frederick A. Kolster*, Palo Alto, Calif. RADIO RECEIVING SYSTEM. Patent dated November 10, 1931. Disclaimer filed October 23, 1934, by the assignee, *Federal Telegraph Company*.

Hereby enters the following disclaimer:

In claim 1, no claim is made to the combination recited except where the means interposed between the source and the amplifying and translating means is resonant at a frequency near the lower end and at a frequency near the upper end of a frequency range containing the different carrier frequencies.

In claim 2, no claim is made to the combination recited except where the means interposed between the source and the amplifier is resonant at a frequency below the lower end and at a frequency near the upper end of a frequency range containing the different carrier frequencies.

In claim 3, no claim is made to the combination recited except where the electron relay has no tunable element in its input circuit.

In claim 4, no claim is made to the combination recited except where the input of the electron relay contains no tunable element.

In claim 5, no claim is made to the combination recited except where the means is resonant at a frequency below the lower end and at a frequency above the upper end of the range.

In claim 6, no claim is made to the combination recited except where the input circuit of the electron relay contains no tunable element varied by the unitary control.

In claim 11, no claim is made to the combination recited except where the means is resonant at a frequency near the lower end and at a frequency near the upper end of the range.

Trade-Marks Canceled

136,847. Fire-brick and fire-tile. Laclede-Christy Clay Products Company, St. Louis, Mo. Registered November 9, 1920. Canceled October 30, 1934.

142,000. Fire-brick and fire-tile. Laclede-Christy Clay Products Company, St. Louis, Mo. Registered May 3, 1921. Canceled October 30, 1934.

218,969. Malt beverage. Olympic Club Company, Walla Walla, Wash. Registered October 5, 1926. Canceled October 18, 1934.

251,280. Coffee. Seaport Coffee Co., Inc., Houston, Tex. Registered January 1, 1929. Canceled October 18, 1934.

300,152. Potable spirits, whiskey, and liquors. Distillers Corporation Limited, Montreal, Quebec, Canada. Registered January 10, 1933. Canceled October 18, 1934.

303,504. Potable spirits, whiskey and liquors. Distillers Corporation Limited, Montreal, Quebec, Canada. Registered May 30, 1933. Canceled October 18, 1934.

304,833. Potable spirits, whiskey, and liquors. Distillers Corporation Limited, Montreal, Quebec, Canada. Registered July 18, 1933. Canceled October 18, 1934.

310,400. Chocolate. Walter Baker & Company, Inc., New York, N. Y. Registered February 27, 1934. Canceled October 18, 1934.

310,858. Rum. C. F. Hernandez, S. en C., Mexico, Mexico. Registered March 13, 1934. Canceled October 30, 1934.

310,859. Rum. C. F. Hernandez, S. en C., Mexico, Mexico. Registered March 13, 1934. Canceled October 30, 1934.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 13, 1934

[VOL. 448. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 355,470. FOUKE FUR COMPANY, St. Louis, Mo. Filed Aug. 27, 1934.



No claim is made to the words "Brown", "Alaska Seal Skin" and "St. Louis Dressing & Dye" apart from the mark as shown.

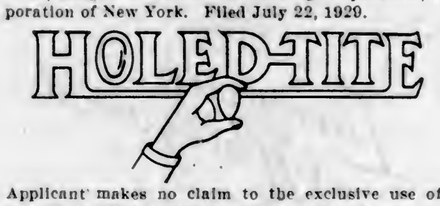
For Furs, Skins, Hides, and Pelts.

Claims use since Aug. 16, 1934.

CLASS 2

Receptacles

Ser. No. 287,473. HOLED-TITE PACKING, INC., New York, N. Y., assignor to Holed-Tite Packing Corporation, a corporation of New York. Filed July 22, 1929.



Applicant makes no claim to the exclusive use of the words "Holed-Tite" apart from the mark as shown.

For Egg-Flats, Packing Sheets, Cartons, and Wrappers.

Claims use since Aug. 1, 1920.

Ser. No. 356,945. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Oct. 10, 1934.

CONCORA

For Paper Board Boxes and Shipping Cartons.

Claims use since Aug. 24, 1934.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 355,735. K. KAUFMANN & CO., INC., Newark, N. J. Filed Sept. 5, 1934.

TOUR-AIDER

For Traveling Bags, Suit Cases, and Portable Wardrobe Cases, and Fitting Carriers Therefor.

Claims use since Aug. 20, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 349,048. THE WILLIAMS COMPANY, London, Ohio. Filed Mar. 23, 1934.

JEX

For Steel Wool Pads for Cleaning Kitchen Utensils and the Like.

Claims use since Jan. 15, 1934.

Ser. No. 355,685. PAD-Y-WAX CO., INC., New York, N. Y. Filed Sept. 1, 1934.

PAD-Y-WAX

The letters "Pad" and "Wax" are disclaimed apart from the mark.

For Wax-Bearing Waxing Pads.

Claims use since Apr. 5, 1934.

Ser. No. 355,769. MURVAL PRODUCTS COMPANY, Philadelphia, Pa. Filed Sept. 6, 1934.

Newall

For Cleaning and Polishing Compound for Glass, Painted Surfaces, and Metals.
Claims use since July 23, 1934.

Ser. No. 355,956. ELIZABETH ARDEN, INC., New York, N. Y. Filed Sept. 12, 1934.

BLUE GRASS

For Soap.
Claims use since Sept. 15, 1934.

Ser. No. 356,141. LARKIN SOAP COMPANY, Teaneck, N. J. Filed Sept. 18, 1934.

A SUPERIOR YOUSE HAND SOAP

The words "A Superior Hand Soap" are disclaimed apart from the mark shown.
For Hand Soap, Which May Also Be Used for General Household Cleaning Purposes.
Claims use since Aug. 2, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 350,984. HARRY LLOYD, Johnstown, Ohio. Filed May 5, 1934.

RE-A-TONE

For Preparations for Poultry and Domestic Animals—Namely, Germicides, Antiseptics, Intestinal Astringents, Deodorant and Antiseptic Preparations for the Treatment of Respiratory Ailments, Parasite Powders, and Worm Controls.
Claims use since Jan. 1, 1934.

Ser. No. 352,084. GEORGE KRIEGER, Mendocino, Calif. Filed May 31, 1934.

KRIEGER'S Black Mixture SALVE George Krieger

No claim is made to the words "Black Mixture Salve" apart from the mark. The name "George Krieger" is applicant's autograph.
For Medicinal Compound for External Use for Blood Poisoning, Rheumatism, Pneumonia, Sprains, Bruises, Swelling, and Surface Tuberculosis.
Claims use since Sept. 12, 1933.

Ser. No. 354,892. E. W. COLLEDGE, GENERAL SALES AGENT, INC., Jacksonville and Norwood, Jacksonville, Fla. Filed Aug. 11, 1934.

CHINCH-TAR-TREX

The words "Chinch-Tar" are disclaimed apart from the mark.
For Insecticide.
Claims use since May 25, 1934.

Ser. No. 354,977. CARLYLE LABORATORIES INC., New York, N. Y. Filed Aug. 14, 1934.

Movieland

For Lip Stick.
Claims use since Mar. 1, 1934.

Ser. No. 355,183. COSMETICS, INC., Los Angeles, Calif. Filed Aug. 20, 1934.

Luminous of Hollywood

No claim is made to the words "of Hollywood" apart from the mark.
For Cosmetics, Including: Lip Sticks, Mascara, Eye Shadow Paste, Wrinkle Cream, Tissue Cream, Liquefying Cleansing Cream, Make-Up Cream, Double Whipped Cleansing Cream, Ice Mask Clay Preparation, Orange Flower Toning Lotion, and a Special Hormone Mixture, Being a Cream Comprising a Combination of Hormones to Firm Sagging Muscles, Correct Crepy Throat and Fill Out Hollows.
Claims use since July 10, 1934.

Ser. No. 355,237. A. O. SCHMIDT, doing business as A. O. Schmidt Co., San Francisco, Calif. Filed Aug. 20, 1934.

CYMENEX

For Skin Ointments.
Claims use since June 15, 1934.

Ser. No. 355,309. J. FORSTREM, NÉE BAUDOIN, Paris, France. Filed Aug. 22, 1934.

APRÈS MINUIT

For Perfume, Toilet Water, Cream for the Face and Hands, Talcum Powder, Face Powder, Rouge, Lip Stick, Bath Salts, Brilliantine, Depilatory Cream, Cold Cream, Disinfectant, Compact Powder, Perfume Extracts, Toilet Vinegar, Beauty Oil, Bath Oil, Bath Emulsion, Skin Oil, Beauty Milk, Skin Lotions.
Claims use since Oct. 30, 1930.

Ser. No. 355,310. J. FORSTREM, NÉE BAUDOIN, Paris, France. Filed Aug. 22, 1934.

BOUQUET POURPRE

For Perfume, Toilet Water, Cream for the Hands and Face, Talcum Powder, Face Powder, Rouge, Lip Stick, Bath Salts, Brilliantine, Depilatory Cream, Cold Cream, Disinfectant, Compact Powder, Perfume Extracts, Toilet Vinegar, Beauty Oil, Bath Oil, Bath Emulsion, Skin Oil.
Claims use since Feb. 16, 1927.

Ser. No. 355,311. J. FORSTREM, NÉE BAUDOIN, Paris, France. Filed Aug. 22, 1934.

FIRMAMENT

For Perfume, Toilet Water, Cream for the Face and Hands, Talcum Powder, Face Powder, Rouge, Lip Stick, Bath Salts, Brilliantine, Depilatory Cream, Cold Cream, Disinfectant, Compact Powder, Perfume Extracts, Toilet Vinegar, Beauty Oil, Bath Oil, Bath Emulsion, Skin Emulsion, Skin Oil, Beauty Oil, Beauty Milk, Skin Lotions.
Claims use since Mar. 9, 1933.

Ser. No. 355,454. THE VITALIZED PEANUT OIL CORPORATION, Suffolk, Va. Filed Aug. 25, 1934.

velvet VITALIZED

For Peanut Oil Used for Massage Purposes and for Soothing and Treating the Skin.
Claims use since Aug. 21, 1934.

Ser. No. 355,471. ERNEST G. GAUTSCHY, Long Beach, Calif. Filed Aug. 27, 1934.



The word "Scalp-Eze" is disclaimed apart from the mark as shown.
For Scalp Lotion.
Claims use since Aug. 14, 1934.

Ser. No. 355,495. RED CROSS PHARMACY, INC., Cleveland, Ohio. Filed Aug. 27, 1934.



For Facial Creams—viz, Day Cream, Night Cream, Milk Lotion for the Skin, and Face Powder.
Claims use since 1904.

Ser. No. 355,497. ANDREW TRECKA, Chicago, Ill. Filed Aug. 27, 1934.

NETOPIER

For Salve for Skin Diseases, Burns, Cuts, Boils, Eczema, and Wounds for External Use.
Claims use since Aug. 18, 1934.

Ser. No. 355,647. THE STANDARD OIL COMPANY, Cleveland, Ohio. Filed Aug. 31, 1934.

SUPER OHIO

No claim is made to the word "Ohio" apart from the mark shown.
For Antifreeze Compositions for Radiators of Internal Combustion Engines.
Claims use since Aug. 23, 1934.

Ser. No. 355,682. ROBERT LUNDGREN, doing business as Rubrosa Products Co., New York, N. Y. Filed Sept. 1, 1934.

RUB-ROSA

No claim is made to the word "Rub" apart from the mark.
For Eau de Cologne Rubs.
Claims use since June 8, 1933.

Ser. No. 355,696. THE APEX ENGINEERING COMPANY, Plainville, Ohio. Filed Sept. 4, 1934.

Ezol

For Chemical Solution to Be Added to Gasoline for Increasing the Power and Efficiency of the Gasoline as a Motor Fuel.
Claims use since Aug. 11, 1934.

Ser. No. 355,761. GEORGE F. FERRIER, Pittsburgh, Pa. Filed Sept. 6, 1934.

ZOVON

For Liniment for External Use in the Treatment of Sore Muscles, Burns, Bruises, Chest Colds, Stiffness, Sprains, and for Neuritis, Arthritis, and Rheumatic Pains.
Claims use since July 2, 1934.

Ser. No. 355,795. L. E. COPE PRODUCTS CO., Cleveland, Ohio. Filed Sept. 7, 1934.

Nu-Toe

For Compound for Removing Corns and Callouses.
Claims use since Aug. 31, 1934.

Ser. No. 355,807. DANIEL J. KEEFE, JR., doing business as Keefe Chemical Co., East Milton, Mass. Filed Sept. 7, 1934.

SILVER GERMICIDE

The words "Silver. Germicide", are disclaimed apart from the mark.
For Deodorant and Germicide.
Claims use since September, 1933.

Ser. No. 355,848. MEDICONE COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 8, 1934.

SUPERCONE

The drawing is lined for red.
For Antiseptic Vaginal Suppository.
Claims use since June 3, 1932.

Ser. No. 355,957. ELIZABETH ARDEN, INC., New York, N. Y. Filed Sept. 12, 1934.

blue grass

For Perfumes and Perfumery.
Claims use since Aug. 15, 1934.

Ser. No. 355,966. THE FORD PHARMACAL COMPANY, Cleveland, Ohio. Filed Sept. 12, 1934.

LAXOCON

For Medicinal Preparation, Being a Medicinal Laxative Preparation in Emulsion Form for the Treatment of Constipation, Sluggish Bowels, and Faulty Elimination by Taking Internally.
Claims use since June 1, 1934.

Ser. No. 356,016. SOUTHERN DRUG COMPANY INCOPORATED, Washington, D. C. Filed Sept. 13, 1934.

NORLENA

For Cold Cream, Cleansing Cream, and Skin Tonic.
Claims use since Aug. 31, 1934.

Ser. No. 356,025. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Sept. 14, 1934.

KODALK

For Photographic Chemicals.
Claims use since Jan. 9, 1934.

Ser. No. 356,063. UCA-PAK MFG. CO., Salt Lake City, Utah. Filed Sept. 13, 1934.

UCA-PAK

For Cough Powder, Rub and Nose Drop Preparation, and Combination Packages Consisting of Medicated Pads with Covering Bandage and Nose Drop Preparation.
Claims use since Nov. 22, 1930.

Ser. No. 356,119. LUCKY TIGER MANUFACTURING COMPANY, Kansas City, Mo. Filed Sept. 17, 1934.

Lucky Tiger

For Skin Tonic, Shampoo, Hair Dressing, and Skin Ointment.
Claims use since September, 1933.

Ser. No. 356,536. F. H. PFUNDER, INC., Minneapolis, Minn. Filed Sept. 28, 1934.

Pfundrin

For Tablets for the Relief of Pain.
Claims use since Sept. 12, 1934.

Ser. No. 356,659. MARY ELIZABETH DYCHE, doing business as The Vogue Art Company, Amarillo, Tex. Filed Oct. 2, 1934.

VOGUE ART

For Colored Permanent-Wave Solution.
Claims use since June 1, 1933.

CLASS 10

Fertilizers

Ser. No. 356,621. THE GULF FERTILIZER COMPANY, Tampa, Fla. Filed Oct. 1, 1934.

Calsumo

For Especially Compounded Fertilizing Preparation to Be Mixed with the Soil and to Be Employed Primarily as a Top Dresser and Recommended for Treating Soil for the Growth of Both Citrus and Truck Crops.
Claims use since July 2, 1934.

CLASS 12

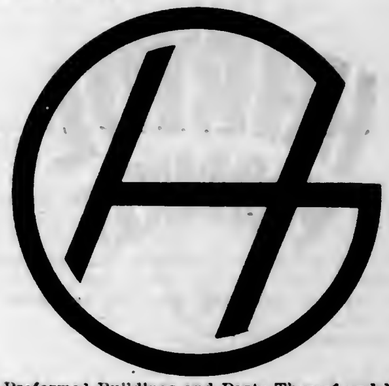
Construction Materials

Ser. No. 340,479. L. R. MACKENZIE INCORPORATED, Tulsa, Okla. Filed Aug. 7, 1933.

AMULCOTE

For Asphaltic Paint Ingredients Consisting of Asphalt Emulsion with or without Coloring Material, Filler Material, or Oil or Oil Substitute.
Claims use since Dec. 13, 1932.

Ser. No. 341,652. GENERAL HOUSES, INC., Chicago, Ill. Filed Sept. 18, 1933.



For Preformed Buildings and Parts Thereof and Models of Buildings and Their Parts.
Claims use since July 19, 1933.

Ser. No. 355,812. PENN METAL COMPANY, Boston, Mass. Filed Sept. 7, 1934.

LATHTEX

For Metal Lathing.
Claims use since Nov. 29, 1933.

Ser. No. 356,457. PLASTERGON WALL BOARD COMPANY, Buffalo, N. Y. Filed Sept. 26, 1934.

ECONOMY

For Fibre Wall Board.
Claims use since 1921.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 356,541. A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y. Filed Sept. 28, 1934.

DUBLTITE

For Valve Stems for Pneumatic Tubes.
Claims use since Sept. 24, 1934.

CLASS 15

Oils and Greases

Ser. No. 343,232. THE TEXAS COMPANY, New York, N. Y. Filed Nov. 3, 1933.

TEXAYCE

For Lubricants—viz., Car Oils.
Claims use since Oct. 19, 1933.

Ser. No. 353,985. HARTOL PRODUCTS CORPORATION, New York, N. Y. Filed July 17, 1934.

The Heart of all Petroleum

HARTOL PRODUCTS

No claim is made to the words "All Petroleum" and "Products" apart from the mark shown.
For Gasoline and Motor Fuel Oils and Motor Lubricating Oils.
Claims use since 1923.

Ser. No. 355,338. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y. Filed Aug. 22, 1934.

VALVOLINE

For Petroleum Products—Namely, Gasoline and Lubricating Oils.
Claims use since 1928 on gasoline; since July, 1873, on lubricating oils.

Ser. No. 355,690. UNITED GASOLINE DEALERS, INC., St. Paul, Minn. Filed Sept. 1, 1934.

VOLTAGE

For Gasoline, Lubricating Oils, and Lubricating Greases.
Claims use since Aug. 1, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 324,913. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 8, 1932.



For Paint Oils, Paint Thinners, Metal Lacquers, Furniture Polish, Auto Polish, Mineral Spirits (a Turpentine Substitute), and Floor Oil.
Claims use since July, 1912.

Ser. No. 347,043. BREVOLITE LACQUER COMPANY, North Chicago, Ill. Filed Feb. 7, 1934.

KRISTO

For Lacquers for Coating Wood, Glass, Compo, Paper, Metal, and Other Surfaces; Said Lacquers Containing in Solution a Crystalline Substance and Furnishing a Film Showing a Crystal Finish.
Claims use since October, 1931.

Ser. No. 347,044. BREVOLITE LACQUER COMPANY, North Chicago, Ill. Filed Feb. 7, 1934.

BREVAL

For Aluminum Powder, Dry and in Paste Form.
Claims use since January, 1930.

Ser. No. 347,046. BREVOLITE LACQUER COMPANY, North Chicago, Ill. Filed Feb. 7, 1934.

KRISTOKRAK

For Lacquers for Coating Wood, Glass, Compo, Paper, Metal, and Other Surfaces; Said Lacquers Containing in Solution a Crystalline Substance and Furnishing a Film Showing a Crystal Finish.
Claims use since September, 1927.

Ser. No. 353,352. CHARLES ROBBINS, doing business as Marveline Products Co., Lansing, Mich. Filed June 29, 1934.

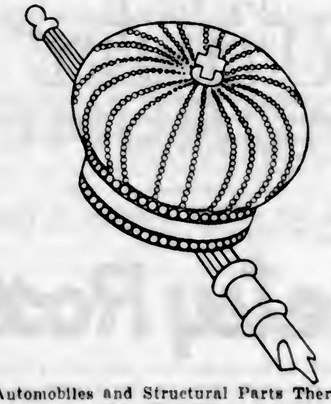


The drawing is lined for purple. No claim is made to the word "Cleaner" apart from the mark as shown.
For Cleaning, Polishing and Waxing Compound for Furniture, Woodwork, Floors; for Painted, Varnished, Lacquered, or Enameled Surfaces, Tile, Linoleum, or the Like.
Claims use since April, 1931.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 348,409. REO MOTOR CAR COMPANY, Lansing, Mich. Filed Mar. 9, 1934.



For Automobiles and Structural Parts Thereof.
Claims use since Feb. 27, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 349,057. WIENER METALLWAREN- UND SCHNALLEN-FABRIK-SCHAR-SMOLKA, Vienna, Austria, and New York, N. Y. Filed Mar. 22, 1934.

ALMONTE

The mark originates from the name of General Juan Nepomuceno Almonte, 1804–1869, a Mexican general, ambassador and dictator.
For Parts of Metal for Skis and Ski-Poles, Particularly Ski-Bindings, Ski-Binding-Tighteners, Ski-Pole-Rings, Ski-Pole-Points; Skis of Wood.
Claims use since Feb. 26, 1934.

Ser. No. 353,584. TRICOUNI S. A., Geneva, Switzerland. Filed July 6, 1934.

TRICOUNI

For Skis, Ski Fastenings, Ski Sticks, Snow Shoes, Coasting Sleds, Roller Skates, Ice Skates, Tennis Rackets, Tennis Nets and Supports, Tennis Balls, Foot Balls, and Ping Pong Rackets and Balls.
Claims use since June 24, 1914.

Ser. No. 355,983. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 12, 1934.

PLEASURE ISLAND

For Coin Controlled, Ball Propelling Amusement Device.
Claims use since Aug. 1, 1934.

Ser. No. 356,753. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 4, 1934.

SPARK PLUG

For Coin Controlled Amusement Device.
Claims use since Sept. 11, 1934.

Ser. No. 356,920. A. G. SPALDING & BROS., New York, N. Y. Filed Oct. 9, 1934.

EASY-PLAY

For Golf Clubs.
Claims use since Sept. 24, 1934.

Ser. No. 356,921. A. G. SPALDING & BROS., New York, N. Y. Filed Oct. 9, 1934.

Resilite

For Baseball Bats.
Claims use since Aug. 31, 1934.

Ser. No. 356,941. WALTER C. BURBANK, New York, N. Y. Filed Oct. 10, 1934.

BURBANK

For Golf Balls.
Claims use since Oct. 2, 1934.

Ser. No. 356,953. R. G. HOWER, Lewistown, Pa. Filed Oct. 10, 1934.

I-SLUG-UM

For Baseball Bats.
Claims use since Sept. 1, 1934.

Ser. No. 356,959. THE PACIFIC AMUSEMENT MANUFACTURING CO., Chicago, Ill. Filed Oct. 10, 1934.

VIS-A-BILT

For Coin Controlled Amusement Apparatus.
Claims use since Aug. 25, 1934.

Ser. No. 356,960. PACIFIC AMUSEMENT MANUFACTURING CO., Chicago, Ill. Filed Oct. 10, 1934.

MARVEL

For Coin Controlled Amusement Apparatus.
Claims use since Aug. 25, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 353,992. OXWELD ACETYLENE COMPANY, New York, N. Y. Filed July 17, 1934.

Oxweld

For Oxy-Acetylene Welding, Cutting, Deseaming, and Heating Machines, Parts Thereof, and Special Tools for Use in the Operation of Said Machines.
Claims use since July 20, 1933.

Ser. No. 354,917. HELM MANUFACTURING COMPANY, Fort Worth, Tex. Filed Aug. 11, 1934.

Helm



For Cotton Seed Treating Machinery Consisting of Cake Breakers, Peacake Machines, Cake Screens, Cake Strippers, Filling Machines, Gumming Machines, Grabbot Machines, Feeders, Hull Feeders, Seed Feeders, Bypass Gates, Seed Cooling Systems, Floor Laterals for Cooling Seed, Mote Beaters, Cleaners, Seed Cleaners, Shakers, Fans, Bearings, Eccentrics Ball Bearing, Eccentrics Self Oiling, Seed Pre-Cleaner, Seed Super-Cleaner, Linter Signal, Cotton Seed Linter.
Claims use since 1908.

Ser. No. 354,928. ESSEX RAZOR BLADE CORPORATION, Elizabeth and Jersey City, N. J., assignor to H. E. Shaw Company, Worcester, Mass. Filed Aug. 13, 1934.



The drawing is lined for red.
For Razor Blades.
Claims use since May 26, 1933.

Ser. No. 354,992. J. L. HAMMETT COMPANY, Cambridge, Mass., and Newark, N. J. Filed Aug. 14, 1934.

ART UTILITY

For Metal Block Cutting Tools for Use in Cutting Designs on Blocks of Wood or Blocks Which Have a Linoleum Surface and Wood Backing and Scissors.
Claims use since May 6, 1933.

Ser. No. 355,543. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 29, 1934.

Betsy Ross

Trade-mark is the name of a historical personage associated in the construction of the original of the present United States flag.
For Shears and Scissors.
Claims use since Aug. 5, 1933.

Ser. No. 356,331. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Sept. 24, 1934.

SWEEP-MASTER

For Carpet Sweepers.
Claims use since May 1, 1934.

Ser. No. 356,573. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Sept. 29, 1934.

KLEAN-MASTER

For Carpet Sweepers.
Claims use since Sept. 7, 1934.

CLASS 24

Laundry Appliances and Machines

Ser. No. 345,666. GRINNELL BROTHERS, Detroit, Mich. Filed Jan. 5, 1934. Under section 5b of the act of 1905 as amended in 1920.

Grinnell Bros.

For Laundry Washing Machines.
Claims use since Oct. 4, 1933.

Ser. No. 349,298. WASH-O-LATOR CORPORATION, Washington, D. C. Filed Mar. 29, 1934.

WASHOLATOR

For Washing Machines.
Claims use since Dec. 8, 1933.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 354,801. SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed July 27, 1934.

SHURON

For Machines for Manufacturing, Finishing, Adjusting, and Testing Lenses and Lens Mountings for Eyeglasses and Spectacles; Optical Instruments and Devices for Testing and Examining Eyes; Spectacles and Eyeglasses and Parts Thereof, and Optical Lenses.
Claims use since February, 1931.

Ser. No. 355,708. NEW PROCESS COMPANY, Warren, Pa. Filed Sept. 4, 1934.

WEATH-AIR-TEMP

For Combined Thermometer, Humidity Guide, and Barometer.
Claims use since Aug. 24, 1934.

CLASS 27

Horological Instruments

Ser. No. 356,661. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Oct. 2, 1934. Under 10-year proviso.

GORHAM

For Clocks, Watches, and Parts Thereof.
Claims use since 1886.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 352,821. JOSEPH GRANAT, San Francisco, Calif. Filed June 18, 1934.

Wed-lok

For Finger Rings.
Claims use since June 4, 1934.

Ser. No. 355,226. MORSE ANDREWS CO., Attleboro, Mass. Filed Aug. 20, 1934.

MACO

For Articles of Jewelry for Personal Wear, Not Including Watches, Consisting of Cuff Links, Tie Holders, Collar Holders, Buckles, Brooches, Bar Pins, Tie Pins, and the Like.
Claims use since Jan. 1, 1934.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 346,847. ASBESTOS MANUFACTURING COMPANY, Huntington, Ind. Filed Feb. 2, 1934.

Amco "SILVER LINING"

No claim is made to the word "Lining" apart from the mark.
For Brake Lining.
Claims use since Aug. 1, 1933.

CLASS 36

Musical Instruments and Supplies

Ser. No. 355,459. RICHARD D. AURANDT, doing business as Richard Aurandt & Co., San Francisco, Calif. Filed Aug. 27, 1934.

Chapelvox

For Sound-Reproducing Units of the Phonograph Type with Electrical Amplification and/or Remote Control and Sound Recordings for Use Therewith.
Claims use since May 20, 1934.

CLASS 37

Paper and Stationery

Ser. No. 347,946. WOODMEN OF THE WORLD, Denver, Colo. Filed Feb. 27, 1934.



For Letter Sheets, Benefit Certificates, Application Blanks, Envelopes, Bill Heads, and General Forms.
Claims use since Jan. 1, 1929.

Ser. No. 355,907. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Sept. 10, 1934.

Replica

For Writing and Printing Paper.
Claims use since Aug. 5, 1934.

Ser. No. 355,908. STRICKLAND PAPER COMPANY, INC., Birmingham, Ala. Filed Sept. 10, 1934.

VIGILANT

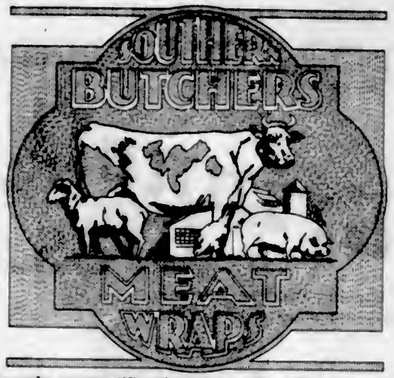
For Writing and Printing Paper.
Claims use since June 1, 1897.

Ser. No. 356,054. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Sept. 14, 1934.

SOUTHERN

For Wrapping Paper.
Claims use since Apr. 5, 1932.

Ser. No. 356,055. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Sept. 14, 1934.



All words except "Southern" are disclaimed apart from the mark. The drawing is lined for shading.
For Wrapping Paper.
Claims use since Apr. 5, 1932.

Ser. No. 356,103. COLLEGIATE MANUFACTURING COMPANY, Ames, Iowa. Filed Sept. 17, 1934.

INDEXIT

For Blank Forms—Namely, Note Book Classifiers for Books and Compilators.
Claims use since August, 1926.

Ser. No. 356,334. THE HARRY P. CANN AND BROTHER COMPANY, Baltimore, Md. Filed Sept. 24, 1934.



No claim is made to the words "Beats All" apart from the mark shown.
For Loose Leaf Fillers and Binders, Composition Books Both Ruled and Unruled, Typewriter Paper Original and Copy, Typewriter Tablets, Writing Paper, Writing Tablets, Stenographers Note Books, Receipt Books, Memoranda Books and Pads, Writing Paper and Envelopes in Boxes, Separate Envelopes, Paper Covered Wax Crayons in Pasteboard Boxes, Wire Paper Clips, Fountain Pens, Index Cards, Mechanical Pencils and Leads for Same, Small Hand Pencil Sharpeners, Pen Points, Reinforcements for Loose Leaf Fillers, Rubber Bands, Spelling Blanks.
Claims use since Mar. 12, 1932.

Ser. No. 356,946. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Oct. 10, 1934.

AERIAL

For Pencils.
Claims use since 1910.

Ser. No. 356,947. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Oct. 10, 1934.

CREST

For Pencils.
Claims use since 1913.

CLASS 38

Prints and Publications

Ser. No. 355,571. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Aug. 30, 1934.

BETTY BOOP

For Cartoons.
Claims use since July 23, 1934.

Ser. No. 355,612. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Aug. 31, 1934.

Popular SONGS

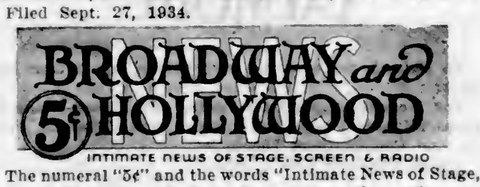
For Monthly Publication.
Claims use since July 5, 1934.

Ser. No. 355,897. NEW YORK EVENING JOURNAL, INC., New York, N. Y. Filed Sept. 10, 1934.

Mme Flutterbye

For Nom de Plume for a Newspaper Section.
Claims use since Nov. 10, 1932.

Ser. No. 356,480. INKO PUBLICITY CORP., New York, N. Y. Filed Sept. 27, 1934.



The numeral "5¢" and the words "Intimate News of Stage, Screen & Radio" are disclaimed apart from the mark.
For Monthly Publication.
Claims use since Sept. 15, 1934.

Ser. No. 356,597. MAGAZINE PUBLISHERS, INC., New York, N. Y. Filed Sept. 29, 1934.

WESTERN ACES

For Magazine Published Monthly and at Other Intervals.
Claims use since Aug. 10, 1934.

Ser. No. 356,770. A. L. KIRBY, doing business as Magna Publications, Mount Morris, Ill. Filed Oct. 4, 1934.

TODAY'S ASTROLOGY

For Periodical Publication.
Claims use since Sept. 24, 1934.

Ser. No. 356,780. NATIONAL INDUSTRIAL PUBLISHING CO., Pittsburgh, Pa. Filed Oct. 4, 1934.

Industrial Heating

For Periodical.
Claims use since Sept. 26, 1934.

Ser. No. 356,910. PLOUGH, INC., Memphis, Tenn. Filed Oct. 9, 1934.

the Plough-Share

For Publication Issued Monthly.
Claims use since January, 1923.

CLASS 39

Clothing

Ser. No. 348,757. THE GILBERT SHOE CO., Thiensville, Wis. Filed Mar. 17, 1934.

ALLENITE TIP

No claim is made to the word "Tip" apart from the mark.
For Shoes Made of Leather, Rubber, or Fabric or Combinations of These Materials.
Claims use since Mar. 6, 1934.

Ser. No. 353,308. VAN RAALTE COMPANY, New York, N. Y. Filed June 28, 1934.

MIRAGE

For Women's Hosiery and Underwear.
Claims use since May 1, 1934.

Ser. No. 354,207. JACKSON-SAX, Boston, Mass. Filed July 23, 1934.

Deb-Mode

No claim is made to the word "Mode" apart from the mark.
For Footwear—Namely, Women's Shoes, Boots, and Slippers of Leather and Combinations of Leather and Fabric Materials.
Claims use since Mar. 15, 1934.

Ser. No. 354,522. POOL & PIPER, INC., Evanston, Ill. Filed Aug. 1, 1934.

POOL and PIPER PROPER POSTUR FOR SHOES CHILDREN

Applicant disclaims the expression "Shoes for Children".
For Children's Shoes Made of Leather or Fabric and from a Combination of Both Leather and Fabric.
Claims use since June 15, 1934.

Ser. No. 355,438. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Aug. 25, 1934.

KIMS

For Artificial Leather Insoles.
Claims use since Aug. 14, 1934.

Ser. No. 355,465. JOHN F. DILLE, Chicago, Ill. Filed Aug. 27, 1934.



BUCK ROGERS 25th CENTURY

For Clothing—Namely, Sweaters, Underwear for Children, and Outer Suits of Clothing for Children, and Ties.
Claims use since Aug. 13, 1934.

Ser. No. 355,528. ANNE UNDERWEAR CO., INC., New York, N. Y. Filed Aug. 29, 1934.

ANNE'S UNDIES

No claim is made for the word "Undies" apart from the mark.
For Nightgowns, Pajamas, Chemises, Slips, Dansettes, Step-Ins, Panties, and Ladies' Underwear.
Claims use since July 1, 1934.

Ser. No. 355,541. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Aug. 29, 1934.



Applicant disclaims the name "Satin" apart from the mark.
For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since Jan. 4, 1934.

Ser. No. 355,605. THE BERLAND SHOE STORES, INC., St. Louis, Mo. Filed Aug. 31, 1934.

VALMODE

No claim is made to the word "Mode" apart from the mark.
For Wearing Apparel for Ladies and Misses—Namely, Shoes, Slippers, Pumps, and Low-Quarters of Leather, Fabric, and Combinations Thereof.
Claims use since Feb. 1, 1934.

Ser. No. 355,642. SHOECRAFT INC., New York, N. Y. Filed Aug. 31, 1934.

GRINGO

For Shoes Made of Leather, Rubber, or Fabric and/or Combinations of These Materials.
Claims use since Apr. 1, 1934.

Ser. No. 355,902. SEARS, ROEBUCK AND CO., Chicago, Ill Filed Sept. 10, 1934.

Flatter-ees

For Women's Underwear.
Claims use since July 31, 1934.

Ser. No. 355,940. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Sept. 11, 1934.

WINTHROP

For Boots and Shoes of Leather, Fabric and/or Combinations Thereof.
Claims use since Aug. 29, 1934.

Ser. No. 355,941. LAUREL HOSIERY COMPANY, INC., Reading, Pa. Filed Sept. 11, 1934.

EVERYDAY

For Hosiery.
Claims use since Sept. 4, 1914.

Ser. No. 355,994. BARNHARDT BROTHERS, Charlotte, N. C. Filed Sept. 13, 1934.

Crepetone

For Men's, Women's, and Children's Hosiery.
Claims use since May 27, 1933.

Ser. No. 355,995. BARNHARDT BROTHERS, Charlotte, N. C. Filed Sept. 13, 1934.

Lolisle

For Men's, Women's, and Children's Hosiery.
Claims use since Sept. 1, 1933.

Ser. No. 356,067. BONWIT TELLER, INC., New York, N. Y. Filed Sept. 15, 1934.

"FLATS"

For Shoes Made of Leather and Fabric and Combinations Thereof.
Claims use since June 7, 1934.

Ser. No. 356,109. HEILIG & CO., INC., New York, N. Y. Filed Sept. 17, 1934.



HEILIG

For Gloves, Composed of Leather, Woven Fabric, or Combinations Thereof.
Claims use since Aug. 15, 1933.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 354,778. TANSEY MAR-CRO-CEL MANUFACTURING COMPANY, San Francisco, Calif. Filed Aug. 8, 1934.

Mar-Cro-Cel

For Nonelectrical Hair Curlers.
Claims use since Feb. 24, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 353,113. BARKER BROS. INCORPORATED, Los Angeles, Calif. Filed June 25, 1934.

TEMPO

For Draperies, Curtain Fabrics in the Piece, Textile Carpets, and Rugs.
Claims use since Nov. 1, 1933.

Ser. No. 354,712. N. V. VEREENIGDE TOUWFABRIEKEN, Rotterdam, Netherlands. Filed Aug. 6, 1934.

Verto

For Textile Floor Covering, Carpets, Stair Carpets, Hall Carpets, Rugs, and Mats.
Claims use since June 15, 1932.

Ser. No. 355,448. SMITH & LISSAUER, INC., New York, N. Y. Filed Aug. 25, 1934.

TEXOGRAM

For Embroidered Pillow Cases, Bed Sheets, and Towels.
Claims use since May 20, 1934.

Ser. No. 355,468. DREY, SIMPSON & COMPANY, LIMITED, Stockport and Manchester, England. Filed Aug. 27, 1934.

TAUTTEX

For Piece Goods—Namely, Cloths and Stuffs of Wool, Worsted, or Hair.
Claims use since October, 1933.

Ser. No. 355,558. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Aug. 30, 1934.

American Woolen Company, Inc.

WORSTED WARP

Applicant is the proprietor of the trade-mark registered March 29, 1932 under No. 292,761. Without waiving any

rights at common law, under other statutes, or in foreign countries, applicant disclaims any right to the exclusive use of the wording except in the precise form, relation, and association in which the same appears herein.

For Blankets.

Claims use since Aug. 17, 1934.

Ser. No. 356,186. FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed Sept. 19, 1934.



For Toweling.

Claims use since Dec. 26, 1933.

CLASS 43

Thread and Yarn

Ser. No. 356,077. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Sept. 15, 1934.

AGRODUL

For Thread and Yarn of Artificial Origin.

Claims use since Aug. 24, 1934.

Ser. No. 356,078. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Sept. 15, 1934.

AGRO

For Thread and Yarn of Artificial Origin.

Claims use since Aug. 24, 1934.

Ser. No. 356,079. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Sept. 15, 1934.

AGROSO

For Thread and Yarn of Artificial Origin.

Claims use since Aug. 24, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 353,861. SENTINEL PRODUCTS CORPORATION, Cleveland, Ohio. Filed July 13, 1934.

SENTINEL

For Absorbent Cotton, Gauze Bandages, Adhesive Plaster and Tape.

Claims use since June 27, 1934.

Ser. No. 353,905. SENTINEL PRODUCTS CORPORATION, Cleveland, Ohio. Filed July 14, 1934.



For Absorbent Cotton, Gauze Bandages, Adhesive Plaster and Tape.

Claims use since June 27, 1934.

Ser. No. 356,066. J. F. JELENKO AND COMPANY, INC., New York, N. Y. Filed Oct. 2, 1934.

CARMILAY

For Dental Golds.

Claims use since Sept. 1, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 353,337. LAMONT, CORLISS & COMPANY, New York, N. Y. Filed June 29, 1934. Under section 5b of the act of 1905 as amended in 1920.

NESTLÉ's

For Chocolate Flavoring Syrup (for Soda Fountain and Other Nonalcoholic Beverage Purposes).

Claims use since July 20, 1932.

Ser. No. 355,828. JAMESON GEORGE BUSTON, North Tazewell, Va. Filed Sept. 8, 1934.

BUY IT WITH CONFIDENCE, AND DRINK IT WITH DELIGHT.

GIANT

For Ginger Beer, and Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.

Claims use since Sept. 1, 1932.

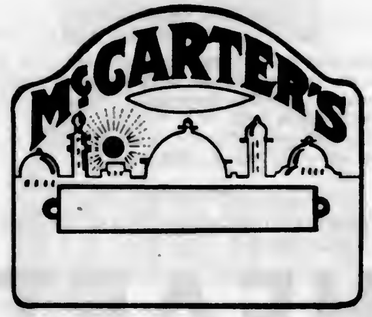
Ser. No. 356,003. THE LOUIS FRITZ MINERAL & SODA WATER CO., INC., Covington, Ky. Filed Sept. 13, 1934.



For Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.

Claims use since Jan. 1, 1926.

Ser. No. 356,314. NATHAN DROSSNER, doing business as McCarter Bottling Company and McCarter Bottling Co., Philadelphia, Pa. Filed Sept. 22, 1934.



For Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Dec. 23, 1923.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 329,244. THE SNOW KING BAKING POWDER CO., Cincinnati, Ohio. Filed July 30, 1932.

DAIRY MAID



For Baking Powder.

Claims use since Dec. 21, 1931.

Ser. No. 335,355. GENERAL SUGAR ESTATES, INC., New York, N. Y. Filed Feb. 28, 1933.

GENERAL BRAND



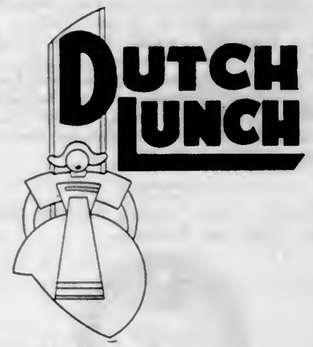
TURBINADO SUGAR

The drawing is lined for red and blue. The words "Brand", "Turbinado" and "Sugar" are disclaimed apart from the mark shown.

For Sugar.

Claims use since Feb. 21, 1933.

Ser. No. 342,979. MILANI'S, INC., doing business as Dutch Lunch Products Company, Seattle, Wash. Filed Oct. 27, 1933.



For Egg Noodle Chicken Dinner.

Claims use since June, 1933.

Ser. No. 344,822. WESCO FOODS COMPANY, Cincinnati, Ohio. Filed Dec. 11, 1933.

Her Grace

For Cake.

Claims use since Oct. 30, 1933.

Ser. No. 347,893. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y. Filed Feb. 26, 1934. Under section 5b of the act of 1905 as amended in 1920.

Welch's

For Seeded Grapes.

Claims use since Feb. 17, 1933.

Ser. No. 349,727. KOSHER STAR SAUSAGE MFG. CO., Chicago, Ill. Filed Apr. 9, 1934.



The Hebrew words appearing on the mark translated into English are the word "Kosher," and no claim is made to the exclusive use of said Hebrew word meaning "Kosher" apart from the mark as shown in the drawing. No claim is made broadly to the representation of a tag per se, to the exclusive use of the geographical term "Chicago, Ill.," nor to the notation "EST. 48" apart from the mark as shown.

For Meats and Meat Products—viz, Salami, Square Salami, Garlic Sausage, Salami Half Hard, Salami Hard, Mortidella, Bologna Jumbo, Bologna Ring, Bologna Straight, Wieners, Frankfurts, Knock Wurst, Pickled Beef Briskets, Pickled Roulade, Pickled Tongue, Pickled Steak, Paprica Speck, Pastroma Breast Peppered, Pastroma Shoulder Peppered, Pastroma Roulade Peppered, Pastroma Roumanian Peppered, Pastroma Chuck Peppered, Cooked Corned Beef, Cooked a la Lamb, Cooked Smoked Beef, Cooked Tongues, Cooked Pressed Tongue, Cooked Roulade.
Claims use since Mar. 13, 1934.

Ser. No. 349,750. SINAI KOSHER SAUSAGE FACTORY, Chicago, Ill. Filed Apr. 9, 1934.

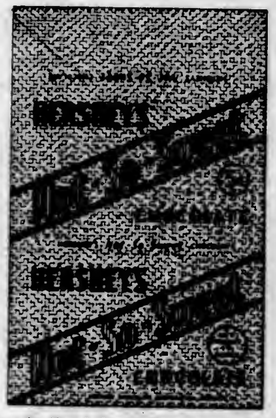




The Hebrew word appearing on the mark translated into English is the word "Sinai." No claim is made broadly to the representation of a tag per se, to the exclusive use of the geographical term "Chicago", nor to the expression "EST. 48" apart from the mark as shown.

For Meats and Meat Products—viz, Salami, Square Salami, Garlic Sausage, Salami Half Hard, Salami Hard, Mortidella, Bologna Jumbo, Bologna Ring, Bologna Straight, Wieners, Frankfurts, Knock Wurst, Pickled Beef Briskets, Pickled Roulade, Pickled Tongue, Pickled Steak, Paprica Speck, Pastroma Breast Peppered, Pastroma Shoulder Peppered, Pastroma Roulade Peppered, Pastroma Roumanian Peppered, Pastroma Chuck Peppered, Cooked Corned Beef, Cooked a la Lamb, Cooked Smoked Beef, Cooked Tongues, Cooked Pressed Tongue, Cooked Roulade.
Claims use since Mar. 13, 1934.

Ser. No. 350,123. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Filed Apr. 17, 1934.



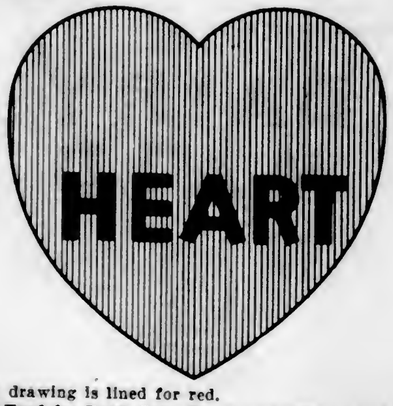
The drawing is lined for yellow and red. No claim is made to any wording on the drawing except "Hershey's" and "Hershey Chocolate Corporation". No claim is made to the outline of a label.
For Confectionery—Namely, Chocolate.
Claims use since Jan. 4, 1934.

Ser. No. 350,532. JOHN MORRELL & Co., Ottumwa, Iowa. Filed Apr. 26, 1934.

HEART

For Food for Dogs, Cats, Foxes, and Other Carnivorous Animals.
Claims use since Apr. 17, 1934.

Ser. No. 350,645. JOHN MORRELL & Co., Ottumwa, Iowa. Filed Apr. 28, 1934.



The drawing is lined for red.
For Food for Dogs, Cats, Foxes, and Other Carnivorous Animals.
Claims use since Apr. 17, 1934.

Ser. No. 353,068. HUDSON & THOMPSON, Montgomery, Ala. Filed June 23, 1934.

ROCK BOTTOM COFFEE
ABSOLUTELY PURE
ROASTED AND PACKED BY
HUDSON & THOMPSON
MONTGOMERY, ALA.

No claim is made to any wording except "Rock Bottom" apart from the mark.
For Coffee.
Claims use since January, 1931.

Ser. No. 353,221. MATHEOS BROS. ICE CREAM CO. INC., Spencerport, N. Y. Filed June 27, 1934.



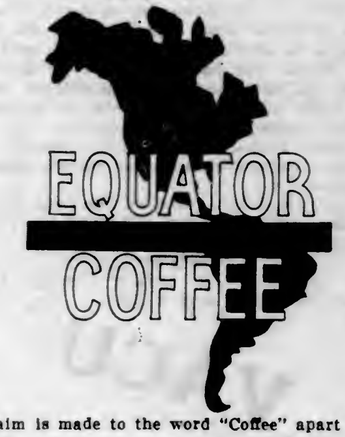
For Candy and Frozen Confections.
Claims use since May 16, 1932.

Ser. No. 354,920. EDGAR BRICK, doing business as C. W. Brick Milling Co., Columbus, N. J. Filed Aug. 13, 1934.



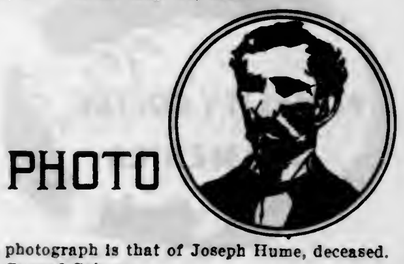
For Dairy Feeds, Horse Feeds, Poultry Mashes, and Scratch Feeds, Rabbit Feeds.
Claims use since Apr. 1, 1933.

Ser. No. 355,134. AMERICAN COFFEE CORPORATION, New York, N. Y. Filed Aug. 18, 1934.



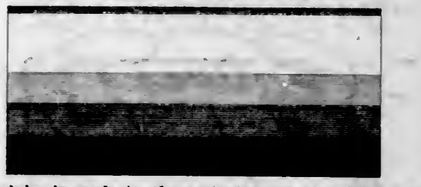
No claim is made to the word "Coffee" apart from the mark.
For Coffee.
Claims use since Aug. 2, 1934.

Ser. No. 355,361. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Aug. 23, 1934.



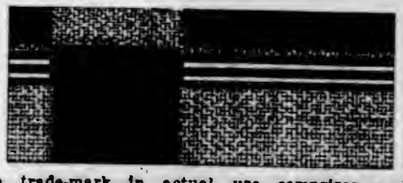
The photograph is that of Joseph Hume, deceased.
For Canned Salmon.
Claims use since May 1, 1877.

Ser. No. 355,618. THE GRAND UNION COMPANY, New York, N. Y. Filed Aug. 31, 1934.



No claim is made to the exclusive use of a label per se apart from the mark as shown. The trade mark comprises a band of white and bands of different shades of blue.
For Canned Vegetables—Namely, Peas and Lima Beans.
Claims use since May, 1934.

Ser. No. 355,619. THE GRAND UNION COMPANY, New York, N. Y. Filed Aug. 31, 1934



The trade-mark in actual use comprises a background of gold, or other shade of yellow, bands of black in the upper portion, a rectangular black por-

tion, and stripes of black, white and gold or other shade of yellow, as shown in the drawing. The black and white portions of the trade-mark as described are illustrated in black and white, respectively, in the drawing. The lining in the drawing indicates the color gold or other shade of yellow. The colors gold, or other shade of yellow, black, and white are specifically claimed. No claim is made to the exclusive use of a label per se apart from the mark as shown in the drawing.

For Canned Fruits and Vegetables—Namely, Peaches, Raspberries, Grapefruit, Fruits for Salads, Lima Beans, and Sauerkraut.

Claims use since April, 1934, on lima beans and sauerkraut; May, 1934, on peaches, raspberries, grapefruit, and fruits for salads.

Ser. No. 355,873. VACU CHURNS LIMITED, Auckland, New Zealand. Filed Sept. 8, 1934.

VACU

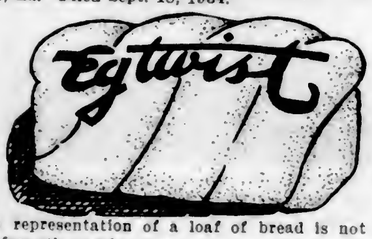
For Butter and Cheese.
Claims use since Mar. 8, 1934.

Ser. No. 356,009. M. J. B. Co., San Francisco, Calif. Filed Sept. 13, 1934.



No claim is made to the words "Quality Coffee of America" apart from the mark.
For Coffee.
Claims use since July 1, 1933.

Ser. No. 356,143. BAYER BAKING COMPANY, INC., Shreveport, La. Filed Sept. 18, 1934.



The representation of a loaf of bread is not claimed apart from the mark.
For Bread, Rolls, and Biscuits.
Claims use since Sept. 1, 1934.

Ser. No. 356,266. THE NULOMOLINE COMPANY, New York, N. Y. Filed Sept. 21, 1934.

NUVEG

For Vegetable Flavoring Substance Simulating Beef Extract and Sold in Powdered and Plastic Form.
Claims use since July 28, 1934.

Ser. No. 356,824. WARD BAKING COMPANY, New York, N. Y. Filed Sept. 22, 1934.

Sporties

For Cake.
Claims use since Sept. 10, 1934.

Ser. No. 356,503. ALLIED MILLS, INC., Chicago, Ill. Filed Sept. 28, 1934.

TIP TOP

For Poultry Scratch Feeds.
Claims use since Dec. 1, 1913.

Ser. No. 356,558. WILSON PRODUCE COMPANY, Green River, Utah. Filed Sept. 28, 1934.

GREEN RIVER

For Fresh Melons.
Claims use since Aug. 15, 1931.

Ser. No. 356,581. DORGAN-MCPHILLIPS PACKING CORPORATION, Mobile, Ala. Filed Sept. 29, 1934.

HAV-A-SALID

For Canned Shrimp.
Claims use since Sept. 5, 1934.

Ser. No. 356,619. FOSTER & WOOD CANNING COMPANY, Lodi, Calif. Filed Oct. 1, 1934.



The drawing is lined for red and gold.
For Canned Fruits and Vegetables.
Claims use since Aug. 15, 1934.

Ser. No. 356,747. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 3, 1934.

XR

For Yeast.
Claims use since Sept. 20, 1934.

Ser. No. 356,818. JULIAN M. RICE, doing business as Golden Crisp Products Company, Montgomery, Ala. Filed Oct. 5, 1934.

Escort

For Peanut Butter Sandwiches.
Claims use since Sept. 10, 1934.

Ser. No. 356,823. WM. H. STANLEY, INC., New York, N. Y. Filed Oct. 5, 1934.

STREAM KING

For Canned Fish.
Claims use since June 11, 1934.

Ser. No. 356,845. LOUISIANA-TEXAS PECAN CO., INC., Shreveport, La. Filed Oct. 6, 1934.

LA-TEX

For Shelled Nuts.
Claims use since Sept. 20, 1933.

Ser. No. 356,877. FRANK FUHRMANN, Shelburne Falls, Mass. Filed Oct. 8, 1934.

MAPLE COZY TEA ROOM HEARTS

The words "Maple Hearts" are disclaimed except in the association and arrangement shown.
For Candy.
Claims use since Oct. 4, 1928.

CLASS 47

Wines

Ser. No. 348,154. ANDRÉ WISNER, Paris, France. Filed Mar. 3, 1934.

MOUTON SAINTE CROIX

For Wines.
Claims use since July 29, 1933.

Ser. No. 349,225. BARTON & GUESTIER, Bordeaux, France. Filed Mar. 28, 1934.



For Wines.
Claims use since August, 1933.

Ser. No. 356,145. DEL VALLE DISTRIBUTING CO., San Francisco, Calif. Filed Sept. 18, 1934.

Charlemagne

For Wines.
Claims use since Sept. 1, 1934.

Ser. No. 356,686. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 3, 1934.

Bloomdale

For Wine.
Claims use since Sept. 13, 1934.

Ser. No. 356,688. CALIFORNIA GROWERS WINERIES, INC., Fresno, Calif. Filed Oct. 3, 1934.

CARNATION

For Wines.
Claims use since Sept. 27, 1934.

Ser. No. 356,725. HAMMONDSPORT VINTAGE CORPORATION, Penn Yan, N. Y. Filed Oct. 3, 1934.

Louis XIV

For Champagne.
Claims use since Sept. 27, 1934.

Ser. No. 356,746. E. L. SPELLMAN CO., INC., Hoboken, N. J. Filed Oct. 3, 1934.

Sun Blest

For Wines.
Claims use since June 22, 1934.

Ser. No. 356,779. MONTEVERDE & PARODI, INC., San Francisco, Calif. Filed Oct. 4, 1934.



For Wines.
Claims use since Mar. 1, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 347,539. BRITISH AMERICAN BREWING CO., LIMITED, Windsor, Ontario, Canada. Filed Feb. 19, 1934.



All notations except "Cincinnati Cream", "The Famous Cinci", the name of applicant corporation, and "Who Wants the Handsome Waiter" are disclaimed.
For Beer of Not More Than the Legal Alcoholic Content.
Claims use since May, 1882.

Ser. No. 354,421. ARTHUR GUINNESS, SON & CO., LTD., London, England. Filed July 28, 1934. Under 10-year proviso.

GUINNESS

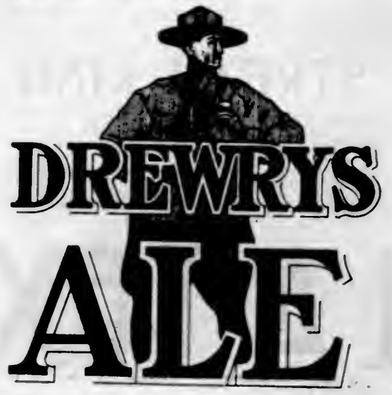
For Beer.
Claims use since Jan. 1, 1764.

Ser. No. 354,751. JACKSON BREWING COMPANY, New Orleans, La. Filed Aug. 8, 1934.



Trade-mark consists of a representation of an equestrian statue of President Andrew Jackson, deceased.
For Malt Beverage with Not More Than the Legal Alcoholic Content.
Claims use since Nov. 24, 1919.

Ser. No. 355,797. THE DREWRYS LTD., U. S. A., Chicago, Ill. Filed Sept. 7, 1934.



No claim is made to the word "Ale" apart from the mark. The drawing is lined for red and the picture of a soldier is fanciful.
For Ale of Not More Than Legal Alcoholic Content.
Claims use since Aug. 31, 1933.

Ser. No. 356,343. FLAMINGO BREWING COMPANY, Miami, Fla. Filed Sept. 24, 1934.

Old Judge
REAL LAGER
BEER

No claim is made to the word "Real Lager Beer."
For Beer of Legal Alcoholic Content.
Claims use since Sept. 12, 1934.

Ser. No. 356,384. ROCHESTER BREWING COMPANY, INC., Rochester, N. Y. Filed Sept. 24, 1934.



No claim is made to the words "Snappy", "Ale", and "Rochester, N. Y." apart from the mark. The drawing is lined for black, yellow, gold, and brown.
For Ale.
Claims use since July 31, 1934.

Ser. No. 356,759. CROCKERY CITY ICE & PRODUCTS CO., East Liverpool, Ohio. Filed Oct. 4, 1934.



The drawing is lined for blue and gold and shaded to indicate black. No claim is made to the word "English" or to the outline of the label.
For Beer, Ale, and Malt Beverages.
Claims use since July, 1934.

Ser. No. 356,772. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Oct. 4, 1934. Under section 5b of the act of 1905 as amended in 1920.

Libby's

For Beer.
Claims use since Sept. 7, 1933.

Ser. No. 356,887. SCHEPPS BREWING CORPORATION, Dallas, Tex. Filed Oct. 8, 1934.

SCHEPPS

The drawing is lined to indicate shading.
For Beer.
Claims use since Aug. 23, 1934.

Ser. No. 356,899. CROCKERY CITY ICE & PRODUCTS CO., East Liverpool, Ohio. Filed Oct. 9, 1934.



The drawing is lined for red and gold and shaded for black. No claim is made to the outline of a label.
For Beer.
Claims use since April, 1934.

Ser. No. 356,903. THE GERMAN BREWING CO., Cumberland, Md. Filed Oct. 9, 1934.



No claim is made to the words "Old German" apart from the mark shown.
For Malt Beverages.
Claims use since Oct. 8, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 348,020. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Mar. 1, 1934.

HONEY DEW

For Whiskey.
Claims use since January, 1923.

Ser. No. 349,837. ESTATE OF ALDO MELETTI, doing business as Ditta Silvio Meletti, Ascoli Piceno, Italy. Filed Apr. 11, 1934. Under 10-year proviso.



For Aniseed Liquor.
Claims use since 1885.

Ser. No. 352,740. JEAN COLIGLIATES' FILS, doing business as John. Coligliates, Piraeus, Greece. Filed June 15, 1934.

THE TROJANS

For Brandy, Alcoholic Cordials, and Kummel.
Claims use since Feb. 21, 1934.

Ser. No. 354,801. WILLIAM KENNON HENDERSON, Shreveport, La. Filed Aug. 9, 1934.



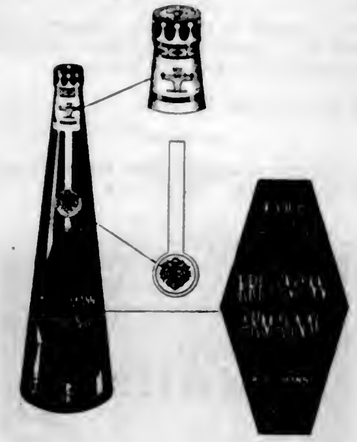
For Whiskey.
Claims use since Mar. 21, 1934.

Ser. No. 355,355. FELSEN TOBACCO CO., INC., East St. Louis, Ill. Filed Aug. 23, 1934.



The drawing is lined for red.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July 20, 1934.

Ser. No. 355,360. ED. KRESSMANN & CO., Bordeaux, France. Filed Aug. 23, 1934.



Applicant disclaims apart from the mark shown the representation of a bottle and capsule and the wording other than the word "Kressmann" and the letters "V. S. O. P."
For Brandies.
Claims use since 1932.

Ser. No. 355,415. SCOTTISH IMPORTING CORPORATION, Kansas City, Mo. Filed Aug. 24, 1934.

Original

David Lawson & Co.

The word "Original" is disclaimed apart from the mark shown. The name "David Lawson & Co." is in the handwriting of a member of the firm of that name.
For Whiskey.
Claims use since December, 1933.

Ser. No. 355,734. ARTHUR H. HENDRICKSON, Freehold, N. J. Filed Sept. 5, 1934. Under 10-year proviso.

VANDERVEER



For Brandy.
Claims use since 1867.

Ser. No. 355,875. THE BEDFORD DISTILLING COMPANY, Bedford, Ohio. Filed Sept. 10, 1934.



Applicant disclaims the words "Bourbon" and "America's Finest" apart from the mark.
For Whiskey.
Claims use since Aug. 15, 1934.

Ser. No. 355,934. GODET FRERES, La Rochelle, France. Filed Sept. 11, 1934.

GASTRONOME

For Cognac.
Claims use since 1924.

Ser. No. 356,083. ST. GEORGE WINERY & DISTILLERY, doing business as St. George Winery, Fresno, Calif. Filed Sept. 15, 1934.



The letters "U. S. A." are disclaimed.
For Brandy.
Claims use since 1876.

Ser. No. 356,225. L. E. JUNG & WULFF COMPANY, INC., New Orleans, La. Filed Sept. 20, 1934.



For Distilled Alcoholic Liquors—Namely, Rum, Whiskey, Gin, Brandy, Cordials, and Liqueurs.
Claims use since Aug. 30, 1934.

Ser. No. 356,231. JAS. E. PEPPER & COMPANY, Lexington, Ky. Filed Sept. 20, 1934.

INDIAN HILL

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since 1889.

Ser. No. 356,693. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

BOXWOOD

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,694. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

COBBS CREEK

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,695. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

COUNTY FAIR

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,696. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

EDGETON

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,697. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

ELYSIAN

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,699. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

FIRE STAR

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,701. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

GRAIN BELT

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 14, 1934.

Ser. No. 356,702. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

GROVEHILL

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,703. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

HOLLYOKE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,704. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

MIDWEST

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 14, 1934.

Ser. No. 356,705. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

PARK SPRING

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,706. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

PENN SPRING

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,707. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

PLANTATION

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 14, 1934.

Ser. No. 356,709. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

ROSECOURT

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,710. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

RUSTIC

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,711. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

SHADY GROVE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 14, 1934.

Ser. No. 356,712. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

TOURAINE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,713. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

TOURNAMENT

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 14, 1934.

Ser. No. 356,714. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

VAGABOND

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,715. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

VIRGINIA REEL

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 14, 1934.

Ser. No. 356,716. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 3, 1934.

WALTMORE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 7, 1934.

Ser. No. 356,796. THE CHESAPEAKE DISTILLING AND DISTRIBUTING COMPANY, Baltimore, Md. Filed Oct. 5, 1934.

Colonial Maid

For Gin and Whiskey.
Claims use since Apr. 1, 1934.

Ser. No. 356,908. JAMES MIELE, doing business as Frank Miele's Son, New York, N. Y. Filed Oct. 9, 1934.

Cabin Creek



For Whiskeys.
Claims use since May 1, 1934.

Ser. No. 356,918. THE A. SHERMAN MFG. CO., Stamford, Conn. Filed Oct. 9, 1934.

REUNION

For Whiskey.
Claims use since March, 1934.

Ser. No. 356,919. SKINNER & EDDY CORPORATION, Seattle, Wash. Filed Oct. 9, 1934.

Macquarie



Trade-mark consists of the name and picture of "Lachlan Macquarie", an Australian statesman, now deceased. No claim is made to the representation of the label.
For Whiskey.
Claims use since Sept. 20, 1934.

Ser. No. 356,926. THE WALKER MANUFACTURING CO., Boston, Mass. Filed Oct. 9, 1934.

Five Chimes

For Whiskey, Gin, and Brandy.
Claims use since September, 1934.

Ser. No. 356,927. THE WALKER MANUFACTURING CO., Boston, Mass. Filed Oct. 9, 1934.

Seven Chimes

For Whiskey, Gin, and Brandy.
Claims use since September, 1934.

Ser. No. 356,975. THE THOMAS WARD DISTILLING COMPANY, INCORPORATED, Westminster, Md. Filed Oct. 10, 1934.

INTEGRITY

For Gin and Whiskey.
Claims use since Oct. 6, 1934.

Ser. No. 357,022. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Filed Oct. 11, 1934.

TOURNAMENT

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since May 10, 1934.

Ser. No. 357,039. BRIDGEWATER DISTILLING CO., West Bridgewater, Pa. Filed Oct. 11, 1934.



For Whiskey.
Claims use since Sept. 12, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 355,822. U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Sept. 7, 1934.

AIR-FLOW

For Fly Swatters or the Swatting Portion of Fly Swatters.
Claims use since July 1, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 13, 1934

318,996. BREADS. MARIA CETTA, doing business as La Parisienne Bakery Co., Brooklyn, N. Y.
Filed August 1, 1934. Serial No. 354,504. PUBLISHED SEPTEMBER 4, 1934. Class 46.

318,997. COIN CONTROLLED, BALL-PROJECTING AMUSEMENT DEVICE. BALLY MANUFACTURING COMPANY, Chicago, Ill.
Filed August 1, 1934. Serial No. 354,502. PUBLISHED SEPTEMBER 4, 1934. Class 22.

318,998. LOOSE-LEAF SHEETS, LOOSE-LEAF BINDERS, AND PARTS THEREOF, BLANK BOOKS, PADS, TABLETS, FORMS, BOND PAPER, LEDGER PAPER, AND ONION SKIN PAPER. BOORUM & PEASE COMPANY, Brooklyn, N. Y.
Filed July 31, 1934. Serial No. 354,495. PUBLISHED SEPTEMBER 11, 1934. Class 37.

318,999. LUBRICATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed July 31, 1934. Serial No. 354,480. PUBLISHED SEPTEMBER 4, 1934. Class 15.

319,000. LUBRICATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed July 31, 1934. Serial No. 354,479. PUBLISHED SEPTEMBER 4, 1934. Class 15.

319,001. LUBRICATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed July 31, 1934. Serial No. 354,478. PUBLISHED SEPTEMBER 4, 1934. Class 15.

319,002. ICE SKATES. GLOBE-UNION MFG. CO., Milwaukee, Wis.
Filed July 30, 1934. Serial No. 354,439. PUBLISHED SEPTEMBER 4, 1934. Class 22.

319,003. MAGNETIC METAL ALLOYS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed July 25, 1934. Serial No. 354,333. PUBLISHED SEPTEMBER 4, 1934. Class 14.

319,004. WRITING AND PRINTING PAPER. RISING PAPER COMPANY, Housatonic, Mass.
Filed July 24, 1934. Serial No. 354,264. PUBLISHED SEPTEMBER 11, 1934. Class 37.

319,005. WRITING AND PRINTING PAPER. RISING PAPER COMPANY, Housatonic, Mass.
Filed July 24, 1934. Serial No. 354,262. PUBLISHED SEPTEMBER 11, 1934. Class 37.

319,006. CLAY USED IN THE MANUFACTURE OF RUBBER COMPOSITIONS. GEORGIA KAOLIN COMPANY, Elizabeth, N. J.
Filed July 24, 1934. Serial No. 354,249. PUBLISHED SEPTEMBER 4, 1934. Class 1.

319,007. INKS FOR THE GRAPHIC INDUSTRY AND PRINTING INKS. CHEMISCHE FABRIK HALLE-AMMENDORF GEBR. HARTMANN, Ammendorf, near Halle (Saale), Germany.
Filed July 24, 1934. Serial No. 354,246. PUBLISHED SEPTEMBER 4, 1934. Class 11.

319,008. FURNACES AND PARTS THEREOF, HEARTHS AND PARTS THEREOF, ETC. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed July 24, 1934. Serial No. 354,244. PUBLISHED SEPTEMBER 4, 1934. Class 34.

319,009. CHAINS OF ALL DESCRIPTIONS USED IN CONNECTION WITH SLIDE FASTENERS. HOOKLESS FASTENER COMPANY, Meadville, Pa.
Filed July 23, 1934. Serial No. 354,205. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,010. MONTHLY MAGAZINE. FRANKWYN PRODUCTIONS, INC., New York, N. Y.
Filed July 23, 1934. Serial No. 354,200. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,011. WATCHES, WATCH MOVEMENTS, AND WATCH CASES. ELGIN NATIONAL WATCH COMPANY, Chicago and Elgin, Ill.
Filed July 23, 1934. Serial No. 354,197. PUBLISHED SEPTEMBER 4, 1934. Class 27.

319,012. BATH SOFTENING AND PERFUMING LOTION. MICHEL GOURLAND, New York, N. Y.
Filed July 21, 1934. Serial No. 354,155. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,013. CANNED FRUITS AND CANNED VEGETABLES. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed July 20, 1934. Serial No. 354,114. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,014. SHAMPOO POWDER. CELESTE PRODUCTS, Philadelphia, Pa.
Filed July 20, 1934. Serial No. 354,111. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,015. GALVANIZED FENCES. NORTHWESTERN BARB WIRE COMPANY, Sterling, Ill.
Filed July 19, 1934. Serial No. 354,095. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,016. COMPOSITION FOR CLEANING DENTAL PLATES, BRIDGES, AND SIMILAR APPLIANCES. GEORGE NIXON, doing business as The Glissen Company, Mobile, Ala.
Filed July 19, 1934. Serial No. 354,094. PUBLISHED SEPTEMBER 4, 1934. Class 4.

319,017. COMPRESSED GASES. GASES INCORPORATED, Chicago, Ill.
Filed July 19, 1934. Serial No. 354,083. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,018. PRINTED PERIODICAL PUBLISHED WEEKLY AND AT OTHER INTERVALS. NEW YORK THEATRE PROGRAM CORPORATION, New York, N. Y.
Filed August 2, 1934. Serial No. 354,573. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,019. LIQUID SKIN, WHICH IS USED AS A PREPARATION FOR REINFORCING THE BACKS OF FURS, SKINS, AND PELTS, EITHER ALONE OR IN COMBINATION WITH A REINFORCING SHEET MATERIAL BY BEING APPLIED AS A LIQUID AND ALLOWED TO HARDEN INTO AN ADHERENT REINFORCING SKIN. OTTO DMOCH, doing business as The Liskin Company, Brooklyn, N. Y.
Filed June 13, 1933. Serial No. 338,818. PUBLISHED SEPTEMBER 4, 1934. Class 5.

319,020. TRUSSES. FRANK F. HOSMER, Glendale, Calif.
Filed July 3, 1933. Serial No. 339,456. PUBLISHED SEPTEMBER 4, 1934. Class 44.

319,021. PICKLES, PICCALILLI, SWEET PICKLED WATERMELON, ETC. FOODS, INC., Appleton, Wis.
Filed August 5, 1933. Serial No. 340,440. PUBLISHED NOVEMBER 14, 1933. Class 46.

319,022. BREAD AND PUMPERNICKLE BREAD. PREMIUM BAKERS INC., Brooklyn, N. Y.
Filed March 24, 1934. Serial No. 349,098. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,023. HALF-TONE PHOTO-ENGRAVINGS. RALPH L. GARNIER, Los Angeles, Calif.
Filed April 9, 1934. Serial No. 349,720. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,024. PERIODICAL. BONFORT'S WINE AND SPIRIT CIRCULAR, INC., Chicago, Ill.
Filed April 16, 1934. Serial No. 350,010. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,025. CUBED BISCUITS FOR DOGS. A. LOUIS BELOTTI, doing business as Calneva Products Company, San Francisco, Calif.
Filed April 23, 1934. Serial No. 350,309. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,026. CLEANING AND POLISHING PREPARATIONS FOR USE ON METALS, GLASS, PORCELAIN, ENAMELS, AND/OR PLATED SURFACES. THE CANDO CORPORATION, Cambridge, Mass.
Filed May 4, 1934. Serial No. 350,885. PUBLISHED SEPTEMBER 4, 1934. Class 4.

319,027. APPARATUS FOR RECORDING, REPRODUCING, AND/OR PROJECTING PICTURES, SOUNDS, AND PICTURES AND SOUNDS SIMULTANEOUSLY, CAMERAS, ETC. EUGEN BAUER GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Stuttgart-Unterturkheim, Germany.
Filed May 9, 1934. Serial No. 351,097. PUBLISHED SEPTEMBER 4, 1934. Class 26.

319,028. VERMOUTH. THE GRIFFLER WINE CO., INC., New York, N. Y.
Filed May 15, 1934. Serial No. 351,353. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,029. VERMOUTH. THE GRIFFLER WINE CO., INC., New York, N. Y.
Filed May 15, 1934. Serial No. 351,354. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,030. LAXATIVE PREPARATIONS. R. T. PARKER, INC., Flushing, N. Y.
Filed May 24, 1934. Serial No. 351,821. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,031. CASKET AND BURIAL VAULT HARDWARE—NAMELY, CASKET AND BURIAL VAULT HANDLES, HANDLE LUGS, CORNER BRACKETS. VICTOR CASKET HARDWARE CO., Galesburg, Ill.
Filed May 24, 1934. Serial No. 351,832. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,032. TOOL, HOBBING AND DIE STEEL, AND IRON. ZIV STEEL & WIRE CO., Chicago, Ill.
Filed May 24, 1934. Serial No. 351,834. PUBLISHED SEPTEMBER 4, 1934. Class 14.

319,033. DANDRUFF PREPARATIONS, HAIR TONICS, PREPARATION FOR ERADICATING WRINKLES, PREPARATION FOR RELIEF OF BALDNESS, AND PREPARATION FOR REMOVING FRECKLES. ANTONIO FRANSOSI, doing business as Diamond O. B. Mfg. Co., Providence, R. I.
Filed May 25, 1934. Serial No. 351,855. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,034. CHEMICAL SETS CONSISTING OF GLASS BOTTLES, VIALS, AND TUBES. MIDGETLAB COMPANY, St. Louis, Mo.
Filed May 25, 1934. Serial No. 351,864. PUBLISHED SEPTEMBER 4, 1934. Class 26.

319,035. HAIR POMADE. EVELYN BIGGS, Washington, D. C.
Filed May 28, 1934. Serial No. 351,963 PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,036. MOSELLE WINE. JULIUS WILE, SONS & CO., INC., New York, N. Y.
Filed May 29, 1934. Serial No. 352,054. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,037. ABSORBENT CELLULOSE PAPER, PARTICULARLY USED IN HOSPITALS AS MOUTH WIPES, ETHER WIPES, OR SPUTUM HANDKERCHIEFS. THE GENERAL CELLULOSE COMPANY, INC., Westfield, N. J.
Filed May 28, 1934. Serial No. 352,062. PUBLISHED SEPTEMBER 11, 1934. Class 37.

319,038. CANNED OR BOTTLED PICKLES. ELLEN WALSH MAFFITT, doing business as The Patch Products Company, Hot Springs, Va.
Filed May 31, 1934. Serial No. 352,089. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,039. FRESH CITRUS FRUITS. ESCONDIDO COOPERATIVE CITRUS ASSOCIATION, Escondido, Calif.
Filed March 12, 1934. Serial No. 348,482. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,040. WINES. L. GANDOLFI & CO. INC., New York, N. Y.
Filed August 3, 1934. Serial No. 354,608. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,041. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed August 3, 1934. Serial No. 354,620. PUBLISHED SEPTEMBER 4, 1934. Class 49.

319,042. SLIDE FASTENERS. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed June 27, 1934. Serial No. 353,248. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,043. MACARONI. FONTANA FOOD PRODUCTS CO., South San Francisco, Calif.
Filed June 28, 1934. Serial No. 353,268. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,044. ICE-CREAM POWDER. MURREL CRUMP, doing business as The Frigid-Mix Company, San Antonio, Tex.
Filed June 28, 1934. Serial No. 353,292. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,045. A CLEANING COMPOUND FOR GENERAL LAUNDRY, TEXTILE, AND SIMILAR INDUSTRIAL USES. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed July 18, 1934. Serial No. 354,061. PUBLISHED SEPTEMBER 4, 1934. Class 4.

319,046. CHEESE COATED POPCORN. KRAFT-PHENIX CHEESE CORPORATION, Chicago, Ill.
Filed July 18, 1934. Serial No. 354,045. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,047. TENNIS RACKETS. A. G. SPALDING & BROS., New York, N. Y.
Filed July 17, 1934. Serial No. 354,006. PUBLISHED AUGUST 21, 1934. Class 22.

319,048. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed August 3, 1934. Serial No. 354,624. PUBLISHED SEPTEMBER 4, 1934. Class 49.

319,049. FERTILIZER. TURNER PACKING COMPANY, Brooksville, Fla.
Filed June 27, 1934. Serial No. 353,245. PUBLISHED SEPTEMBER 4, 1934. Class 10.

319,050. THERMOMETERS AND HUMIDITY INDICATORS. THE MUTER COMPANY, Chicago, Ill.
Filed June 27, 1934. Serial No. 353,226. PUBLISHED SEPTEMBER 4, 1934. Class 26.

319,051. FRESH VEGETABLES. SEARS BROTHERS & COMPANY, Watsonville, Calif.
Filed June 26, 1934. Serial No. 353,184. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,052. UPHOLSTERED SOFAS, LOVE SEATS, CLUB CHAIRS, SIDE CHAIRS, OTTOMANS, AND BENCHES. R. H. MACY & CO., INC., New York, N. Y.
Filed June 26, 1934. Serial No. 353,176. PUBLISHED SEPTEMBER 4, 1934. Class 32.

319,053. AN APPARATUS FOR ELIMINATING AIR FROM LIQUID IN THE DISCHARGE LINE OF A PUMP OR THE LIKE. NATIONAL PUMPS CORPORATION, Dayton, Ohio.
Filed June 25, 1934. Serial No. 353,139. PUBLISHED SEPTEMBER 4, 1934. Class 23.

319,054. COMBINATION CHAIR, STEPLADDER, AND IRONING BOARD. KING SPECIALTY MANUFACTURING COMPANY, Mayfield, Ky.
Filed June 25, 1934. Serial No. 353,136. PUBLISHED SEPTEMBER 4, 1934. Class 50.

319,055. SPARKLING WINES. ALLIANCE VINICOLE DE BOURGOGNE, SOCIÉTÉ ANONYME, Nuits-Saint-Georges, France.
Filed June 22, 1934. Serial No. 353,103. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,056. ABSORBENT CATAMENIAL TAMPONS. THE UNIVERSAL COTTON ROLL CO., Hollywood, Calif.
Filed June 23, 1934. Serial No. 353,084. PUBLISHED SEPTEMBER 4, 1934. Class 44.

319,057. ALFALFA SEED AND SWEET CLOVER SEED. THE BARTELDES SEED COMPANY, Lawrence, Kans.
Filed June 23, 1934. Serial No. 353,056. PUBLISHED SEPTEMBER 4, 1934. Class 1.

319,058. PURE ORANGE JUICE SOLD AS A BEVERAGE. PARKER MURPHY, Waterloo, Iowa.
Filed June 22, 1934. Serial No. 353,038. PUBLISHED SEPTEMBER 4, 1934. Class 45.

319,059. BEER. BAY CITY BREWING COMPANY, Bay City, Mich.
Filed June 22, 1934. Serial No. 353,008. PUBLISHED SEPTEMBER 4, 1934. Class 48.

319,060. STILL WINES. ALLIANCE VINICOLE DE BOURGOGNE, SOCIÉTÉ ANONYME, Nuits-Saint-Georges, France.
Filed June 22, 1934. Serial No. 353,004. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,061. STILL WINES. ALLIANCE VINICOLE DE BOURGOGNE, SOCIÉTÉ ANONYME, Nuits-Saint-Georges, France.
Filed June 22, 1934. Serial No. 353,003. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,062. WALL PAPER. HARRY GROSS, doing business as Bon Ton Wall Paper Co., Philadelphia, Pa.
Filed June 20, 1934. Serial No. 353,000. PUBLISHED SEPTEMBER 11, 1934. Class 37.

319,063. WINES. RAWLINGS & SONS (LONDON) LIMITED, London, England.
Filed May 31, 1934. Serial No. 352,103. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,064. TOILET AND LAUNDRY SOAPS. THE CINCINNATI SOAP COMPANY, doing business also as Beaver-Remmers-Graham Company, Cincinnati, Ohio.
Filed June 4, 1934. Serial No. 352,222. PUBLISHED SEPTEMBER 4, 1934. Class 4.

319,065. TAPIOCA FLOUR SOLD FOR USE IN THE PREPARATION OF ADHESIVES AND FOR OTHER INDUSTRIAL PURPOSES. WELLESLEY J. SELIGMAN, New York, N. Y.
Filed June 7, 1934. Serial No. 352,402. PUBLISHED SEPTEMBER 4, 1934. Class 1.

319,066. TAPIOCA FLOUR SOLD FOR USE IN THE PREPARATION OF ADHESIVES AND FOR OTHER INDUSTRIAL PURPOSES. WELLESLEY J. SELIGMAN, New York, N. Y.
Filed June 7, 1934. Serial No. 352,403. PUBLISHED SEPTEMBER 4, 1934. Class 1.

319,067. ALLERGY TREATMENT SOLUTION. THE BURDICK CORPORATION, Milton, Wis.
Filed June 8, 1934. Serial No. 352,424. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,068. CLEANING PREPARATION FOR RUGS, CARPETS, UPHOLSTERY, PAINTED WALLS, WOODWORK, AND THE LIKE. GEORGE ADES, doing business as G. A. Manufacturing Co., New York, N. Y.
Filed June 8, 1934. Serial No. 352,411. PUBLISHED SEPTEMBER 4, 1934. Class 4.

319,069. PREPARED MUSTARD. PLOCHMAN & HARRISON, Chicago, Ill.
Filed June 8, 1934. Serial No. 352,449. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,070. DRINKING STRAWS. STONE STRAW CORPORATION, Washington, D. C.
Filed June 9, 1934. Serial No. 352,507. PUBLISHED SEPTEMBER 4, 1934. Class 50.

319,071. PREPARATION IN THE NATURE OF A FLOOR OIL OR DRESSING FOR CLEANING, PRESERVING, AND BEAUTIFYING WOOD AND PAINTED CEMENT FLOORS AND SIMILAR SURFACES. MASURY-YOUNG COMPANY, Charlestown, Mass.
Filed June 13, 1934. Serial No. 352,624. PUBLISHED SEPTEMBER 11, 1934. Class 16.

319,072. APPARATUS FOR CLEANING LIQUID CONDUITS, ESPECIALLY BEER COILS, BY FLUSHING AND BY CIRCULATING AND AGITATING PROCESS. SCHERING CORPORATION, Bloomfield, N. J., assignor to Sarona, Inc., Bloomfield, N. J., a corporation of New Jersey.
Filed June 13, 1934. Serial No. 352,632. PUBLISHED SEPTEMBER 4, 1934. Class 23.

319,073. ASTRINGENT CERATES, ASTRINGENTS, BEAUTY AND BLEACH CREAMS, ETC. YARDLEY OF LONDON, INC., Union City, N. J.
Filed June 14, 1934. Serial No. 352,701. PUBLISHED AUGUST 21, 1934. Class 6.

319,074. SURF-PLANES. WALTER E. KELLY, Portland, Oreg.
Filed June 15, 1934. Serial No. 352,742. PUBLISHED SEPTEMBER 4, 1934. Class 22.

319,075. RAZOR BLADES. SHELBY BLADE COMPANY, Memphis, Tenn.
Filed June 18, 1934. Serial No. 352,840. PUBLISHED SEPTEMBER 4, 1934. Class 23.

319,076. VERMOUTH. ETABLISSEMENTS ABEL BRESSON, SOCIETE ANONYME, Beziers, France.
Filed June 19, 1934. Serial No. 352,853. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,077. EXPOSURE METERS, PHOTOGRAPHIC SHUTTERS, LENSES, CAMERAS, AND PARTS THERETO. PHOTO UTILITIES, INC., New York, N. Y.
Filed June 19, 1934. Serial No. 352,873. PUBLISHED SEPTEMBER 4, 1934. Class 26.

319,078. STILL WINES. ALLIANCE VINICOLE DE BOURGOGNE, SOCIÉTÉ ANONYME, Nuits-Saint-Georges, France.
Filed June 20, 1934. Serial No. 352,886. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,079. CHOKE FITTINGS FOR APPLICATION TO THE EXHAUST OUTLET OF A TRIPLE VALVE DEVICE. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed June 20, 1934. Serial No. 352,940. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,080. CHOKE FITTINGS FOR APPLICATION TO THE EXHAUST OUTLET OF A TRIPLE VALVE DEVICE. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed June 20, 1934. Serial No. 352,941. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,081. VERMOUTH. ETABLISSEMENTS ABEL BRESSON, SOCIETE ANONYME, Beziers, France.
Filed June 21, 1934. Serial No. 352,968. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,082. VERMOUTH. ETABLISSEMENTS ABEL BRESSON, SOCIETE ANONYME, Beziers, France.
Filed June 21, 1934. Serial No. 352,971. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,083. CANNED FRUITS, CANNED VEGETABLES. FOSTER AND WOOD CANNING COMPANY, Lodi, Calif.
Filed March 20, 1934. Serial No. 348,874. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,084. BOTTLE CRATES OF WOOD AND METAL. G. H. TENNANT COMPANY, Minneapolis, Minn.
Filed January 25, 1929. Serial No. 278,443. PUBLISHED SEPTEMBER 4, 1934. Class 2.

319,085. FRESH GRAPES. GEO. L. BARE, doing business as Bare Marketing Co., Modesto, Calif.
Filed October 23, 1929. Serial No. 291,431. PUBLISHED JULY 15, 1930. Class 46.

319,086. [WITHDRAWN.]

319,087. IGNITION SYSTEM AND EQUIPMENT FOR INTERNAL COMBUSTION ENGINES. FRANCIS A. NORTON, Joplin, Mo.
Filed January 18, 1933. Serial No. 334,068. PUBLISHED SEPTEMBER 4, 1934. Class 21.

319,088. PICTURE PUZZLES. JOHN FODOR, Jr., AND STEPHEN PALENIK, Binghamton, N. Y.
Filed March 29, 1933. Serial No. 336,202. PUBLISHED SEPTEMBER 4, 1934. Class 22.

319,089. RUBBERIZED, WATER-PROOFED, AND TREATED FABRICS. Reading Rubber Manufacturing Company, Reading, Mass.
Filed July 26, 1934. Serial No. 354,357. PUBLISHED SEPTEMBER 4, 1934. Class 50.

319,090. PUBLICATION ISSUED PERIODICALLY. Cramer's Bakery Inc., Ltd., Los Angeles, Calif.
Filed July 28, 1934. Serial No. 354,402. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,091. VITAMIN D-CARRYING MENSTRUUMS FOR INGREDIENTS OF BREADS, BISCUITS, ETC. Nopco Laboratories, Inc., Harrison, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey.
Filed April 22, 1933. Serial No. 337,085. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,092. WATCH CASES. Schwab & Wuischpard, New York, N. Y.
Filed March 5, 1934. Serial No. 348,195. PUBLISHED SEPTEMBER 4, 1934. Class 27.

319,093. LUBRICATING OILS AND GREASES. Calumet Refining Co., Chicago, Ill.
Filed February 28, 1934. Serial No. 347,964. PUBLISHED SEPTEMBER 4, 1934. Class 15.

319,094. SPARKLING WINES. Heinrich Schweickert, doing business as Rheinische Kronen-Sektkellerei "Schloss Ardeck", Gau-Algesheim-on-the-Rhine, Germany.
Filed February 26, 1934. Serial No. 347,880. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,095. WINES. Maison F. Chauvenet, S. A., Nuits-St-Georges, France.
Filed February 20, 1934. Serial No. 347,621. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,096. WINES. Maison F. Chauvenet, S. A., Nuits-St-Georges, France.
Filed February 20, 1934. Serial No. 347,619. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,097. WINES. Maison F. Chauvenet, S. A., Nuits-St-Georges, France.
Filed February 20, 1934. Serial No. 347,617. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,098. WINES. Maison F. Chauvenet, S. A., Nuits-St-Georges, France.
Filed February 20 1934. Serial No. 347,616. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,099. PREPARED MUSTARD, HORSERADISH MUSTARD, AND SALAD MUSTARD. Plochman & Harrison, Chicago, Ill.
Filed February 3, 1934. Serial No. 346,926. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,100. OLIVE OIL. Compania-Exportadora Espanola, Barcelona, Spain.
Filed February 2, 1934. Serial No. 346,851. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,101. PISTON RINGS. The Perfect Circle Company, Hagerstown, Ind.
Filed January 29, 1934. Serial No. 346,706. PUBLISHED SEPTEMBER 4, 1934. Class 35.

319,102. SPRINKLER HEADS. General Fire Extinguisher Company, Providence, R. I.
Filed January 11, 1934. Serial No. 345,905. PUBLISHED SEPTEMBER 4, 1934. Class 23.

319,103. ELECTRONIC DISCHARGE BULB FOR USE IN CONDITIONING WATER IN BOILERS AND THE LIKE, PREVENTING OR DISSOLVING RUST OR SCALE THEREIN AND FOR USE GENERALLY IN THE INDUSTRIAL ARTS. Electronic Process Company, now by change of name The Scalebuoy Company, Boston, Mass.
Filed January 3, 1934. Serial No. 345,593. PUBLISHED SEPTEMBER 4, 1934. Class 21.

319,104. WINES. Société Anonyme Immobiliere & Agricole de l'Harrach, Algiers, Algeria.
Filed December 29, 1933. Serial No. 345,477. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,105. SAFES, BURGLAR AND FIRE PROOF CABINETS, FILES, BOXES, CHESTS DRAWERS, AND PARTS THEREOF, AND VAULT DOORS. The Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y.
Filed December 22, 1933. Serial No. 345,278. PUBLISHED SEPTEMBER 4, 1934. Class 25.

319,106. CANNED VEGETABLES. The Illinois Canning Company, Hoopeston, Ill.
Filed November 29, 1933. Serial No. 344,279. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,107. OIL BURNERS AND PARTS THEREOF. Century Engineering Corporation, Cedar Rapids, Iowa.
Filed October 27, 1933. Serial No. 342,963. PUBLISHED SEPTEMBER 4, 1934. Class 34.

319,108. WEEKLY PUBLICATIONS. The Sporting News Publishing Company, doing business as Charles Spink & Son, St. Louis, Mo.
Filed July 14, 1934. Serial No. 353,968. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,109. LIQUID CLEANING, BLEACHING, DEODORIZING, AND DISINFECTING PREPARATION. The Hilex Company, St. Paul, Minn.
Filed July 16, 1934. Serial No. 353,928. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,110. WINE. Asturr Trading Company, Inc., New York, N. Y.
Filed July 14, 1934. Serial No. 353,876. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,111. LIQUID PREPARATION FOR CLEANING DIAMONDS AND JEWELRY. William Lesse, doing business as The Wildrose Company, Philadelphia, Pa.
Filed July 13, 1934. Serial No. 353,853. PUBLISHED SEPTEMBER 4, 1934. Class 4.

319,112. BEVERAGE STRAINERS. Hartford Products Corporation, Hartford, Conn.
Filed July 13, 1934. Serial No. 353,849. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,113. FRESH LETTUCE. W. B. Grainger Packing Co., Salinas, Calif.
Filed July 12, 1934. Serial No. 353,801. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,114. PRESSURE COOKERS. Advance Aluminum Castings Corp., Chicago, Ill.
Filed July 12, 1934. Serial No. 353,789. PUBLISHED SEPTEMBER 4, 1934. Class 13.

319,115. INSULATING BOARD. Johns-Manville Corporation, New York, N. Y.
Filed July 11, 1934. Serial No. 353,786. PUBLISHED AUGUST 28, 1934. Class 12.

319,116. BEER AND ALE. Southeastern Brewing Co., Chattanooga Tenn.
Filed July 11, 1934. Serial No. 353,773. PUBLISHED SEPTEMBER 4, 1934. Class 48.

319,117. PIES. The Frisbie Pie Co., Bridgeport, Conn.
Filed July 11, 1934. Serial No. 353,755. PUBLISHED SEPTEMBER 4, 1934. Class 46.

319,118. CONCENTRATED LIVER EXTRACT CONTAINING ANTITOXIC PRINCIPLES OF THE LIVER AND USED IN THE TREATMENT OF DISEASES OF THE LIVER. Chell, société anonyme, La Garenne-Colombes and Paris, France.
Filed July 10, 1934. Serial No. 353,707. PUBLISHED SEPTEMBER 4 1934. Class 6.

319,119. ALUMINIUM ALLOYS (UNWROUGHT OR PARTLY WROUGHT). J. Stone & Company, Limited, Deptford, England.
Filed July 9, 1934. Serial No. 353,688. PUBLISHED SEPTEMBER 4, 1934. Class 14.

319,120. LIP STICKS AND LIP POMADES. Chesebrough Manufacturing Company, Consolidated, New York, N. Y.
Filed July 7, 1934. Serial No. 353,602. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,121. CARDBOARD BOX PREPARATION IN NATURE OF VARNISH. National Metal Edge Box Co., Philadelphia, Pa.
Filed July 2, 1934. Serial No. 353,592. PUBLISHED SEPTEMBER 11, 1934. Class 16.

319,122. SPRING BED AND SPRING SEAT BOTTOMS. Martin Thum, Rochester, N. Y.
Filed July 5, 1934. Serial No. 353,548. PUBLISHED SEPTEMBER 4, 1934. Class 32.

319,123. GAS BURNERS. Johnson Gas Appliance Company, Cedar Rapids, Iowa.
Filed July 5, 1934. Serial No. 353,514. PUBLISHED SEPTEMBER 4, 1934. Class 34.

319,124. LIGHTING FIXTURES, CONSISTING IN REFLECTORS FOR LAMPS. Meyer B. Cherniak, New York, N. Y.
Filed July 5, 1934. Serial No. 353,500. PUBLISHED SEPTEMBER 4, 1934. Class 34.

319,125. LAXATIVE PREPARATIONS, TONIC FOR MALARIA CHILLS AND FEVER, LINIMENT FOR EXTERNAL USE; LOTION—NAMELY, AN ANTISEPTIC FOR TREATING WOUNDS, SORENESS, BURNS, CUTS, AND SKIN DISEASES; COUGH SYRUP, AND LOTIONS FOR THE SKIN. J. W. Quinn Drug Company, Inc., Greenwood, Miss.
Filed July 3, 1934. Serial No. 353,483. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,126. METAL FACE WOOD PRINTING BLOCKS. Peter Zimmer, doing business as Zimmer Printers' Supply Co., New York, N. Y.
Filed July 2, 1934. Serial No. 353,461. PUBLISHED SEPTEMBER 11, 1934. Class 50.

319,127. PARTING COMPOUND. Frederic B. Stevens, Inc., Detroit, Mich.
Filed July 2, 1934. Serial No. 353,455. PUBLISHED SEPTEMBER 4, 1934. Class 1.

319,128. RUBBER AND COTTON FABRIC GARDEN HOSE. Sears, Roebuck and Co., Chicago, Ill.
Filed July 2, 1934. Serial No. 353,452. PUBLISHED SEPTEMBER 4, 1934. Class 35.

319,129. NEWSPAPER COLUMN IN A DAILY PUBLICATION. Eli M. Orowitz, Atlantic City, N. J.
Filed June 30, 1934. Serial No. 353,406. PUBLISHED SEPTEMBER 11, 1934. Class 38.

319,130. OPHTHALMIC LENSES AND LENS BLANKS. Soft-Lite Lens Company, Inc., New York, N. Y.
Filed June 29, 1934. Serial No. 353,359. PUBLISHED SEPTEMBER 4, 1934. Class 26.

319,131. OPHTHALMIC LENSES AND LENS BLANKS. Soft-Lite Lens Company, Inc., New York, N. Y.
Filed June 29, 1934. Serial No. 353,358. PUBLISHED SEPTEMBER 4, 1934. Class 26.

319,132. WINE. Cresta Blanca Wine Company, Livermore and San Francisco, Calif.
Filed June 29, 1934. Serial No. 353,322. PUBLISHED SEPTEMBER 4, 1934. Class 47.

TRADE-MARK REGISTRATIONS RENEWED

11,723. AN EMBROCATION. Registered December 2, 1884. William Edwards and Son, London, England, a firm. Re-renewed December 2, 1934.

43,389. DIE-STOCKS FOR PIPES, BOLTS, RODS AND TUBING. Registered September 20, 1904. The Hart Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. Renewed September 20, 1934.

43,397. WHISKY. Registered September 20, 1904. Geo. Benz & Sons, St. Paul, Minn., a corporation of Minnesota. Renewed September 20, 1934.

43,427. PIANOS. Registered September 27, 1904. Ivers & Pond Piano Company, Boston, Mass., a corporation of Massachusetts. Renewed September 27, 1934.

43,476. SMOKING TOBACCO AND CIGARETTES. Registered October 11, 1904. Martin Bros. Renewed October 11, 1934, to Martins, Limited, London, England, a corporation of Great Britain, successor.

43,711. PIANOS. Registered November 15, 1904. Ivers & Pond Piano Company, Boston, Mass., a corporation of Massachusetts. Renewed November 15, 1934.

43,871. SARDINES. Registered December 20, 1904. Angus Watson & Co., Newcastle-upon-Tyne, England. Renewed December 20, 1934, to Angus Watson & Co. (America) Limited, San Francisco, Calif., a corporation of California, assignee by mesne assignments.

43,939. MACHINE BELTS AND BELTING. Registered December 27, 1904. Fleming, Birkby & Goodall, Limited, Halifax, England, a corporation of Great Britain. Renewed December 27, 1934.

97,345. CHAMPAGNE AND OTHER SPARKLING WINES, WHETHER SPARKLING OR RENDERED SPARKLING ARTIFICIALLY. Registered June 2, 1914. G. H. Mumm & Co., Rheims, France. Renewed June 2, 1934, to Societe Vinicole de Champagne, Paris and Rheims, France, a corporation of France, assignee.

97,346. CHAMPAGNE AND OTHER SPARKLING WINES, WHETHER SPARKLING OR RENDERED SPARKLING ARTIFICIALLY. Registered June 2, 1914. G. H. Mumm & Co., Rheims, France. Renewed June 2, 1934, to Societe Vinicole de Champagne, Paris and Rheims, France, a corporation of France, assignee.

99,420. AWNINGS. Registered September 1, 1914. Bronx Window Shade & Awning Co. Renewed September 1, 1934, to Bronx Window Shade & Awning Co. Inc., New York, N. Y., a corporation of New York, successor.

99,796. CERTAIN NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. Registered September 15, 1914. Joseph C. Schroeder, St. Louis, Mo. Renewed September 15, 1934.

99,859. WHEAT-FLOUR. Registered September 22, 1914. John P. Dousman Milling Company, De Pere, Wis., a corporation of Wisconsin. Renewed September 22, 1934.

99,865. A TOILET CERATE. Registered September 22, 1914. The S. R. Feil Company, Cleveland, Ohio. Renewed September 22, 1934, to Edward J. Barry, New York, N. Y., assignee by mesne assignments.

100,004. TEA AND BLENDED COFFEE. Registered September 29, 1914. W. F. McLaughlin & Company, Chicago, Ill., a corporation of Illinois. Renewed September 29, 1934.

100,051. MACHINE-NEEDLES. Registered September 29, 1914. Union Special Machine Company, Chicago, Ill., a corporation of Illinois. Renewed September 29, 1934.

100,058. CHEWING-GUM. Registered September 29, 1914. Wm. Wrigley Jr. Company. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,061. CHEWING-GUM. Registered September 29, 1914. Wm. Wrigley Jr. Company. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,064. CHEWING-GUM. Registered September 29, 1914. Wm. Wrigley Jr. Company. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,065. CHEWING-GUM. Registered September 29, 1914. Wm. Wrigley Jr. Company. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,066. CHEWING-GUM. Registered September 29, 1914. WM. WRIGLEY JR. COMPANY. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,067. CHEWING-GUM. Registered September 29, 1914. WM. WRIGLEY JR. COMPANY. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,070. CHEWING-GUM. Registered September 29, 1914. WM. WRIGLEY JR. COMPANY. Renewed September 29, 1934, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

100,229. CANNED FISH, HAM, POULTRY, AND BEEF. Registered October 13, 1914. WILLIAM UNDERWOOD COMPANY, Boston, Mass. Renewed October 13, 1934, to William Underwood Company, Watertown, Mass., a voluntary association of Massachusetts, assignee by mesne assignments.

100,312. CERTAIN NAMED CLOTHING. Registered October 20, 1914. FERGUSON WATERPROOF CO., St. Louis, Mo. Renewed October 20, 1934, to The Alligator Company, Wilmington, Del., and St. Louis, Mo., a corporation of Delaware, successor.

100,371. PERFUMES, TOILET POWDERS AND CREAMS. Registered October 20, 1914. MELBA MANUFACTURING COMPANY, Chicago, Ill. Renewed October 20, 1934, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

100,477. RUBBER BOOTS AND SHOES. Registered October 20, 1914. AMERICAN RUBBER COMPANY, Boston, Mass. Renewed October 20, 1934, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

100,580. A MEDICINAL LINIMENT. Registered October 20, 1914. HARRY W. MCCHESNEY, St. Louis, Mo. Renewed October 20, 1934, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

100,609. SELF-RISING FLOUR. Registered October 20, 1914. PHOENIX FLOUR MILL, Evansville, Ind. Renewed October 20, 1934, Igleheart Brothers, Incorporated, New York, N. Y., a corporation of Delaware, assignee.

100,648. OVERALLS, TROUSERS, NEGLIGÉE AND WORK SHIRTS. Registered October 20, 1914. SWEET, ORR & CO. INC., New York, N. Y. Renewed October 20, 1934, to Sweet-Orr & Co., Inc., Wappingers Falls, and New York, N. Y., a corporation of New York.

101,062. DISINFECTANTS. Registered November 10, 1914. GEORGE STARR WHITE, INCORPORATED, Yonkers, N. Y.; Danbury, Conn.; and Los Angeles, Calif. Renewed November 10, 1934, to George Starr White, Los Angeles, Calif., assignee.

101,164. BON-BONS, TOFFEES, CARAMELS, CHOCOLATES, AND CANDIES. Registered November 17, 1914. GEORGE W. HORNER & CO. LIMITED, Chester-Le-Street, England, a corporation of Great Britain. Renewed November 17, 1934.

101,309. COAL. Registered November 24, 1914. MITCHELL & DILLON COAL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 24, 1934.

101,355. PIANOS, PLAYER-PIANOS, AND PIANO-PLAYERS. Registered December 8, 1914. THE BALDWIN COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed December 8, 1934.

101,481. PORTLAND CEMENT. Registered October 20, 1914. THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS (1900), LIMITED. Renewed October 20, 1934, to The Associated Portland Cement Manufacturers, Limited, London, England, a corporation of Great Britain, by change of name.

101,506. COFFEE. Registered December 22, 1914. CHEEK-NEAL COFFEE CO., Nashville, Tenn. Renewed December 22, 1934, to Maxwell House Products Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

101,507. COFFEE. Registered December 22, 1914. CHEEK-NEAL COFFEE CO., Nashville, Tenn. Renewed December 22, 1934, to Maxwell House Products Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

101,556. PORTLAND CEMENT. Registered December 29, 1914. THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS (1900), LIMITED. Renewed December 29, 1934, to The Associated Portland Cement Manufacturers, Limited, London, England, a corporation of Great Britain, by change of name.

101,583. SAUER-KRAUT. Registered December 29, 1914. LIBBY, MCNEILL & LIBBY, Chicago, Ill., a corporation of Maine. Renewed December 29, 1934.

101,845. RUBBER BELTING. Registered September 21, 1914. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed September 21, 1934.

101,874. CHILDREN'S BLOUSES, OVERALLS, COATS, PANTS, SHIRTS, ROMPERS, PLAY-SUITS, AND WAISTS. Registered January 12, 1915. RICE-STIX DRY GOODS CO., St. Louis, Mo., a corporation of Missouri. Renewed January 12, 1935.

101,876. OPEN-CIRCUIT ELECTRIC BATTERIES. Registered January 12, 1915. SAMSON ELECTRIC COMPANY, Canton, Mass. Renewed January 12, 1935, to S. H. Couch Company, Inc., Quincy, Mass., a corporation of Massachusetts, assignee.

101,886. CERTAIN NAMED MEDICINES AND REMEDIES FOR CERTAIN DISEASES. Registered January 12, 1915. HENRY THAYER & COMPANY. Renewed January 12, 1935, to Henry Thayer & Company, Inc., Cambridge, Mass., a corporation of Massachusetts, assignee.

101,958. CROUP REMEDY. Registered January 19, 1914. WILLIAM W. LEE & CO., Watervliet and Troy, N. Y. Renewed January 19, 1935, to Wm. W. Lee & Company, Troy, N. Y., a firm, assignee.

102,038. OINTMENT. Registered January 26, 1915. EDWIN BURGESS. Renewed January 26, 1935, to Edwin Burgess, Limited, London, England, a corporation of Great Britain, successor.

102,421. FLUID BEEFS, MEAT EXTRACT, BOUILLON AND MEAT-EXTRACT CUBES, AND CUBES FOR MAKING SOUPS. Registered February 9, 1915. LIEBIG'S EXTRACT OF MEAT COMPANY, LIMITED. Renewed February 9, 1935, to Oxo, Limited, London, England, a corporation of Great Britain, assignee.

102,475. WHEAT-FLOUR. Registered February 9, 1915. WASHBURN-CROSBY CO. Renewed February 9, 1935, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

102,556. RUBBER SOLES AND HEELS. Registered February 16, 1915. THE B & R RUBBER COMPANY, Brookfield and North Brookfield, Mass. Renewed February 16, 1935, to Quabaug Rubber Company, North Brookfield, Mass., a corporation of Massachusetts, successor.

102,570. WHEAT-FLOUR. Registered February 16, 1915. LOUISVILLE MILLING COMPANY, Louisville, Ky. Renewed February 16, 1935, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

102,589. THREAD. Registered February 16, 1915. THE SPOOL COTTON COMPANY, Newark, N. J., and New York, N. Y. Renewed February 16, 1935, by The Clark Thread Company, Newark, N. J., a corporation of New Jersey, assignee.

102,635. METAL PIPES, TUBES, AND CASINGS. Registered February 16, 1915. NATIONAL TUBE COMPANY, Pittsburgh, Pa., a corporation of New Jersey. Renewed February 16, 1935.

102,720. ASPHALTUM CEMENTS. Registered February 23, 1915. THE NATIONAL ROOFING COMPANY. Renewed February 23, 1935, to National Manufacturing Corporation, Tonawanda, N. Y., a corporation of New York, assignee.

102,843. DAIRY FEED. Registered February 23, 1915. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed February 23, 1935.

102,844. HORSE AND MULE FEED, DAIRY FEED, CHICKEN, DUCK, TURKEY, AND PIGEON FEED, AND HOG FEED. Registered February 23, 1915. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed February 23, 1935.

102,845. BREAD OF ALL KINDS, INCLUDING ZWIEBACK. Registered February 23, 1915. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed February 23, 1935.

102,918. POCKET-KNIVES, KITCHEN-KNIVES, PRUNERS, BUDDERS AND ERASERS. Registered March 2, 1915. DWIGHT DIVINE & SONS. Renewed March 2, 1935, to Dwight Divine & Sons, Inc., Ellenville, N. Y., a corporation of New York, successor.

102,927. CERTAIN NAMED ARTICLES MADE OF OR PLATED WITH PRECIOUS METAL. Registered March 2, 1915. MORRIS, MANN & REILLY, New York, N. Y. Renewed March 2, 1935, to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois, assignee.

103,092. HANDKERCHIEFS. Registered March 16, 1915. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed March 16, 1935.

103,104. TWINES AND CORDS, BRAIDED OR TWISTED. Registered March 16, 1915. THE LEES MANUFACTURING CO., Westport, Conn., and New York, N. Y., a corporation of Connecticut. Renewed March 16, 1935.

103,109. RAZORS, SHEARS, SCISSORS, AND FILES. Registered March 16, 1915. PETER J. MICHELS, New York, N. Y. Renewed March 16, 1935.

103,121. CERTAIN NAMED GAMES, SPORTING GOODS, AND GYMNASIUM SUPPLIES. Registered March 16, 1915. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,159. MARSALA WINE. Registered March 16, 1915. FLORIO & C. SOCIETA ANONIMA VINICOLA ITALIANA, Milan, Italy. Renewed March 16, 1935, to Florio & C. Societa Anonima Vinicola Italiana, Turin, Italy, a corporation of Italy.

103,170. SHOES, MILLINERY, (HATS), MEN'S, WOMEN'S, AND CHILDREN'S WEARING-APPAREL, HOSIERY, AND CORSETS. Registered March 16, 1915. MAISON BLANCHE CO., New Orleans, La., a corporation of Louisiana. Renewed March 16, 1935.

103,207. KNITTED WASH-CLOTHS AND TOWELS. Registered March 23, 1915. PUTNAM KNITTING COMPANY, Cohoes, N. Y., a corporation of New York. Renewed March 23, 1935.

103,211. ALL KINDS AND SIZES OF FILES, INCLUDING SWISS, AMERICAN, PLATINUM, AND RUBBER FILES. Registered March 23, 1915. TACONY FILE & HARDWARE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 23, 1935.

LABELS

REGISTERED NOVEMBER, 13 1934

44,622.—*Title:* UNION MADE SHOULDER PAD. For Shoulder Pads. AMALGAMATED CLOTHING WORKERS OF AMERICA, New York, N. Y. Published September 5, 1934.

44,623.—*Title:* AMBROSIA PURE MILK CHOCOLATE. For Milk Chocolate. AMBROSIA CHOCOLATE CO., Milwaukee, Wis. Published September 4, 1934.

44,624.—*Title:* 2 IN 1 LAXATIVE COMPOUND FOR INTESTINAL PUTREFACTION. For Laxative Compound Tablets. THE ANDERSON HOME INFIRMARY, INC., Springfield, Mo. Published September 13, 1934.

44,625.—*Title:* BEECH-NUT SPICE DROPS. For Spice Drops. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 11, 1934.

44,626.—*Title:* PARI-SMART. For Shoes. BIRD & SON, INC., East Walpole, Mass. Published September 14, 1934.

44,627.—*Title:* BOBS'. For Candy and Peanuts. THE BOBS CANDY AND PECAN COMPANY, Albany, Ga. Published July 23, 1934.

44,628.—*Title:* WHIP-PRUNE. For Strained Prune Pulp. CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif. Published September 12, 1934.

44,629.—*Title:* CENTURY'S RHEINLANDER BEER. For Beer. CENTURY BREWING ASSOCIATION, Seattle, Wash. Published January 11, 1934.

44,630.—*Title:* D. D. D. PRESCRIPTION. For Product Intended to Relieve Itching and Other Irritations of the Skin and Scalp. D. D. D. CORPORATION, Batavia, Ill. Published May 5, 1934.

44,631.—*Title:* FOUR STAR BRAND. For Fresh Apples. DRIVER & WOODROW, Wenatchee, Wash. Published August 15, 1934.

44,632.—*Title:* DOOR COUNTY BRAND. For Pitted Sour Red Cherries. FRUIT GROWERS COOPERATIVE, Sturgeon Bay, Wis. Published August 14, 1934.

44,633.—*Title:* MAIN STREET MERCHANDISE STORE. For Merchandise Cartons and Consists of All the Printed Matter on the Face of the Carton Except the Panels Containing the Removable Tabs. GENERAL CONCESSION CORPORATION, Cleveland, Ohio. Published April 26, 1934.

44,634.—*Title:* COCK O' THE WALK. For Gasoline. THE HANCOCK OIL COMPANY OF CALIFORNIA, Long Beach, Calif. Published September 4, 1934.

44,635.—*Title:* ONE-SPOT FLEA KILLER. For Powder to Kill Fleas and Lice on Animals. KENNEL GARDENS, INC., Elkridge, Md. Published May 1, 1934.

44,636.—*Title:* PURITAN-TEA. For An Herb Tea. JOEL HENRY LAUDER, Elgin, Ill. Published October 2, 1934.

44,637.—*Title:* DR. MILLER'S GLEN-CO-LINE. For Preparation for Colds, Bronchitis, Pneumonia, and Sinus Trouble. VOLINA MILLER, Lubbock, Tex. Published November 20, 1933.

44,638.—*Title:* SWEET GEORGIA BROWN HAIR DRESSING POMADE. For Hair Dressing Pomade. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published January 15, 1934.

44,639.—*Title:* GOLD MEDAL NEW PROCESS OATS WITH TUMBLER. For Oats. NORTHERN ILLINOIS CEREAL COMPANY, Lockport, Ill. Published September 19, 1934.

44,640.—*Title:* ROYAL ARMS. For Tissue a Type of Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published September 20, 1934.

44,641.—*Title:* SEA HAWK. For Bourbon Whiskey. PARAGON, INCORPORATED, Chicago, Ill. Published September 1, 1934.

44,642.—*Title:* DELAWARE. For Straight Whiskey. PARAGON, INCORPORATED, Chicago, Ill. Published September 1, 1934.

44,643.—*Title:* HUNTERS LODGE. For Whiskey. PARAGON, INCORPORATED, Chicago, Ill. Published September 1, 1934.

44,644.—*Title:* VALLEY FORGE. For Bourbon Whiskey. PARAGON, INCORPORATED, Chicago, Ill. Published September 1, 1934.

44,645.—*Title:* SODA-FLAKE CRACKERS. For Crackers. PERFECTION BISCUIT COMPANY, Fort Wayne, Ind. Published September 1, 1934.

44,646.—*Title:* 'SALADA' RED LABEL. For Black Tea. SALADA TEA CO. INC., Boston, Mass. Published September 10, 1934.

44,647.—*Title:* 'SALADA' RED LABEL. For Black Tea. SALADA TEA CO. INC., Boston, Mass. Published September 10, 1934.

44,648.—*Title:* 'SALADA' BROWN LABEL. For Black Tea. SALADA TEA CO. INC., Boston, Mass. Published September 10, 1934.

44,649.—*Title:* 'SALADA' BROWN LABEL. For Black Tea. SALADA TEA CO. INC., Boston, Mass. Published September 10, 1934.

44,650.—*Title:* 'SALADA' BROWN LABEL. For Mixed Tea. SALADA TEA CO. INC., Boston, Mass. Published September 10, 1934.

44,651.—*Title:* 'SALADA' BROWN LABEL. For Mixed Tea. SALADA TEA CO. INC., Boston, Mass. Published September 10, 1934.

44,652.—*Title:* FLOWER GARDEN. For Blackberry Preserves. SAMBO DAIRY PRODUCTS, INC., Brooklyn, N. Y. Published September 17, 1934.

44,653.—*Title:* SQUIRES. For Hair Tonic. HARRY SQUIRES, doing business as Squires Laboratories, Thompsonville, Conn. Published September 4, 1934.

44,654.—*Title:* TAYLOR'S FINE OLD LIQUEUR SCOTCH WHISKY. For Scotch Whisky. TAYLOR & FERGUSON LTD., Glasgow, Scotland. Published September 4, 1934.

44,655.—*Title:* "X" RADIATOR FLUSH. For a Scale-Removing and Flushing Compound for Automobile Radiators. EDWARD R. TOLFREE, doing business as "X" Laboratories, New York, N. Y. Published September 18, 1934.

44,656.—*Title:* HETTY HARPER WARD'S. For Cake. WARD BAKING COMPANY, New York, N. Y. Published September 28, 1934.

44,657.—*Title:* SHERBROOK. For Straight Rye Whiskey. THE FRANK L. WRIGHT DISTILLING COMPANY, Baltimore, Md. Published June 15, 1934.

44,658.—*Title:* YOUGH BEER. For Beer. YOUGH BREWING COMPANY, Connellsville, Pa. Published January 16, 1934.

PRINTS

REGISTERED NOVEMBER 13, 1934

14,914.—*Title:* BEECH-NUT SPICE DROPS. For Spice Drops. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 11, 1934.

14,915.—*Title:* ATTACK! RESIST! For Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published September 10, 1934.

14,916.—*Title:* IS YOUR CHILD IN FOR A SIEGE OF MISERABLE COLDS? For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published September 18, 1934.

14,917.—*Title:* SEALS THE CONTACT. For Brake Lining Cement. ALGER R. FRIBERG, doing business as A. R. Friberg Co., Los Angeles, Calif. Published September 3, 1934.

14,918.—*Title:* HOT WEATHER PRESCRIPTION! (POSTER). For Dairy Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 19, 1934.

14,919.—*Title:* FIRST AID TO BURNT PASTURE! (POSTER). For Dairy Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published July 12, 1934.

14,920.—*Title:* THOROUGHLY DELICIOUS. For Beer. SCHREIBER BREWING COMPANY, INC., Buffalo, N. Y. Published August 27, 1934.

REISSUES

NOVEMBER 13, 1934

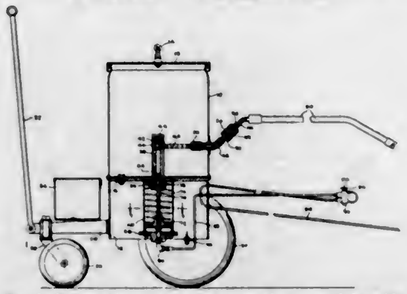
19,369

PNEUMATIC GREASE GUN

Russell J. Gray, Minneapolis, Minn., assignor to Gray Company, Inc., Minneapolis, Minn.

Original No. 1,717,024, dated June 11, 1929, Serial No. 161,128, January 14, 1927. Application for reissue March 9, 1931, Serial No. 521,318

6 Claims. (Cl. 221—47.1)



5. In lubricating apparatus, in combination, a pneumatic cylinder, having an air inlet passageway adapted for operative connection with a source of compressed air, a lubricant cylinder, a pneumatically operable piston in the former cylinder and a lubricant expelling piston in the latter cylinder operatively connected with each other, a manually operable air control valve operatively related to said air inlet passageway of said pneumatic cylinder, including an intake valve seat and an exhaust valve seat facing in generally opposite directions, a manually operable valve stem, an intake valve closure element and an exhaust valve closure element carried by said valve stem and extending generally transversely of the direction of movement of said valve stem, one of said valve closure elements being adapted to be seated against its corresponding valve seat and the other being adapted to be unseated from its corresponding valve seat in each of the two opposite positions of said manually operable valve stem, thereby to permit free ingress of air through said air inlet passageway into the pneumatic cylinder when the intake valve is unseated and the exhaust valve is seated, and to permit the free exhaust of air from said pneumatic cylinder when the intake valve closure element is seated and the exhaust valve closure element is unseated, and a spring operatively related to said pneumatic piston and adapted to cause the exhaust of air from said pneumatic cylinder when the intake valve closure element is seated and the exhaust valve closure element is unseated, whereby successive manual operations of said air control valve will cause the ejection of a successive series of individual charges of lubricant from said lubricant cylinder.

19,370

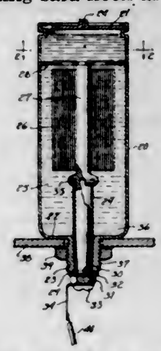
ELECTROLYTIC CONDENSER

Harold I. Danziger, Pittsfield, Mass., assignor, by mesne assignments, to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts

Original No. 1,948,289, dated February 20, 1934, Serial No. 439,578, March 28, 1930. Application for reissue July 20, 1934, Serial No. 736,899

21 Claims. (Cl. 175—315)

1. In an electrolytic condenser, a container of conducting material adapted to serve as one terminal of the condenser and having top and bottom walls, the top wall having a vent therein and the bottom wall having an aperture therein, an electrode in said container and adapted to serve as a complementary terminal of the condenser, a rod supporting said electrode and extending downwardly through said aperture, a liquid electrolyte in said container and completely submersing said electrode, and means for making the joint between said rod and aperture liquid-tight; said means comprising a depending neck on said bottom wall and snugly encircling said rod, and means for squeezing said neck around said rod.



21. In combination with a supporting platform having an opening therethrough, an electrolytic condenser structure comprising a container of conducting material and having a downwardly extending neck projecting through said platform opening and being threaded at its projecting portion, an electrode within said container, electrical connecting means for said electrode and passing snugly through said neck, and a nut engaging said threaded end of the neck with the platform to secure the container on said platform.

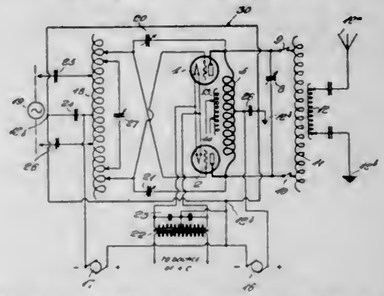
19,371

INDUCTANCE SYSTEM

Louis A. Gebhard, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Original No. 1,753,408, dated April 8, 1930, Serial No. 327,988, December 22, 1928. Reissue No. 18,070, dated May 19, 1931, Serial No. 522,709, March 24, 1931. Application for reissue January 15, 1932, Serial No. 586,926

16 Claims. (Cl. 250—17)



1. An inductance system comprising a helix, said helix comprising a double passage for cool-

ing fluid and a common passage for electrical energy, a cooling fluid inlet and discharge connection along said helix and means including a radio frequency path to ground from a point along said helix for establishing the electrical center of said helix at said fluid inlet and discharge connections.

19,372
NONWEATHERING GLAZED AGGREGATE AND METHOD OF PREPARING THE SAME

Samuel F. Walton, Hamburg, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts

No Drawing. Original No. 1,855,210, dated April 26, 1932, Serial No. 272,346, April 23, 1928. Application for reissue June 21, 1933, Serial No. 676,922

13 Claims. (Cl. 91—70)

10. The low temperature method of coloring granules which consists in treating the granules with soluble silicate and a metallic oxide reactant capable of chemically converting the soluble silicate into an insoluble silicate, and in heating the treated granules to a reaction temperature not substantially in excess of 500° F. and above the boiling point of water but below that which would fuse the silicate whereby to cause such chemical reaction of the soluble silicate with the metallic oxide reactant and thereby insolubilize the soluble silicate on the granules as an unfused weather-resistant color coating.

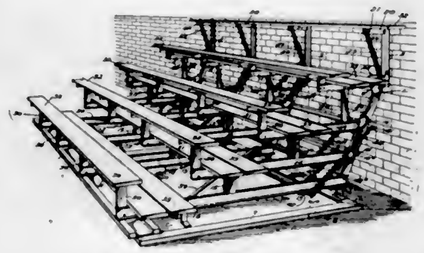
19,373
FOLDING GRANDSTAND

Charles H. Wetzel, Wayne, Pa.

Original No. 1,964,612, dated June 26, 1934, Serial No. 640,709, November 1, 1932. Application for reissue August 7, 1934, Serial No. 738,885

40 Claims. (Cl. 189—1)

1. In a folding structure, a plurality of stringers constituting supports for a plurality of pivotally mounted superimposed beams, a bracket pivotally mounted on the lowermost beam for positioning the latter substantially horizontal, U members predeterminedly secured to certain of the successively superimposed beams, a plate rigidly secured to certain of the beams in predetermined position so that when the beams are in a substantially horizontal position, said plate will overlie said U members and maintain said beams in parallel spaced relation with respect to each other and permit the next higher beam to pass inwardly of said U members when in the vertical position



so that the beams will reside in compact, nestlike relation, seat and foot rest sections supported by said beams, a bracket having a projecting tongue mounted in a predetermined position on certain of said foot rest sections, and a pivotable member having a counter weight and a projecting lug mounted below certain of said foot rest sections, said member being predeterminedly positioned with respect to the bracket to permit engagement of the tongue by said lug when the structure is folded to lock said structure in the latter relation.

PLANT PATENTS

GRANTED NOVEMBER 13, 1934

111
PLUM

Jennie Benedict Thompson, Pasadena, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif.

Application June 20, 1934, Serial No. 731,535

1 Claim. (Cl. 47—62)

The variety of plum tree herein described characterized particularly by its globular, sweet-flavored, maroon-colored fruits having rather thick, sweet skins.

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PATENTS

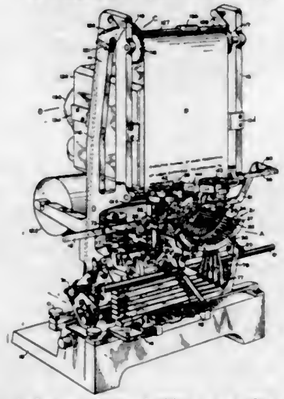
GRANTED NOVEMBER 13, 1934

1,980,160
PROJECTOR FOR TYPE BAR PRINTERS

George R. Benjamin, Jersey City, and James W. Long, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application March 17, 1931, Serial No. 523,372

8 Claims. (Cl. 178—24)



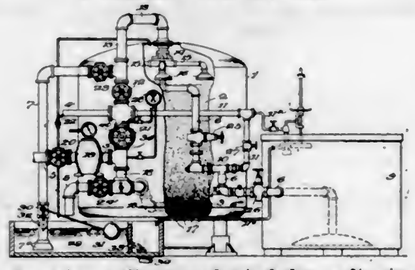
1. In a telegraph printing mechanism a type carrier, a platen, a web, operating mechanism for effecting printing transversely of the web and for advancing the web past the printing position, a light source disposed to the rear of said web, said parts and mechanism being so disposed and the platen being so movable after printing of each character that each character, as it is printed, is positioned in a zone which is free from light obstructing parts of the printing mechanism in a plane substantially normal to the web.

1,980,161
IMPROVED WATER SOFTENING APPARATUS

Samuel B. Applebaum, New Rochelle, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application April 1, 1931, Serial No. 526,935

9 Claims. (Cl. 210—24)



1. A water softener adapted for softening by passage of hard water through a pervious bed of water softening material and having an inlet for hard water, an outlet for soft water, an inlet and an outlet for regenerating solutions and inlet and outlet connections for backwashing and for removal of backwashing water, one of said backwashing connections being provided with valve means adapted to effect an initial gradual and regular acceleration of the inflowing current of backwashing water and a subsequent gradual and regular deceleration of said current.

1,980,162
PURE 1 - AMINO - 2.3 - DIMETHYLANTHRAQUINONE AND PROCESS OF MAKING SAME

Otto Bayer, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 22, 1934, Serial No. 707,847. In Germany February 4, 1933

2 Claims. (Cl. 260—60)

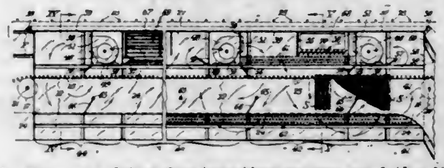
1. A process of making pure 1-amino-2,3-dimethylanthraquinone which comprises nitrating a crude mixture of isomeric 1,2- and 2,3-dimethylanthraquinone with at least one molecular proportion of nitric acid, then reducing the nitro group thus introduced and separating the mixture of the isomeric amino-dimethylanthraquinones formed by taking advantage of the different solubilities of the sulfates in water containing sulfuric acid.

1,980,163
MACHINE FOR DRYING TEXTILE MATERIALS

Harold H. Belcher, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 13, 1931, Serial No. 550,444

5 Claims. (Cl. 34—12)



1. In a machine for treating yarns and the like in skein form, a chamber subdivided into alternating zones of up-and-down flow; means for conveying skeins through said chamber suspended with their lower ends free; and means for circulating suitable treating-medium through said zones; the zones of up-flow being longer and of greater cross-sectional area, on a horizontal plane, than the zones of down-flow, so that the velocity of up-flow is less than that of down-flow and small enough to avoid whipping of the skeins and entanglement of the yarns during treatment.

1,980,164
DRUM WELDING MACHINE

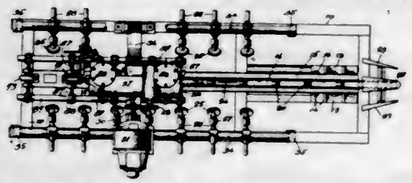
Willis J. Boyle, Jr., Los Angeles, and Leland S. Rosener, San Francisco, Calif., assignors to The Boyle Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California

Application January 18, 1932, Serial No. 587,204

28 Claims. (Cl. 113—59)

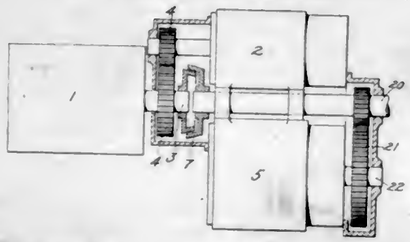
1. In a welding machine adapted to weld drum bodies having flanged edges, the combination of a base, a relatively narrow support upstanding

from the base and which the unwelded drums straddle in passing to welding position, a forwardly extending stake carried by said support and having its forward end unsupported, feeding rolls associated with the stake and positioned to



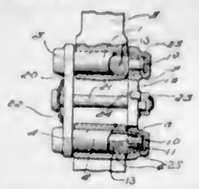
stand exteriorly of the drum bodies and engaging the flanged edges thereof, and a torch in advance of the feeding rolls and adapted to apply a welding flame against the flanges contiguous to the joint to weld the same.

1,980,165
POWER TRANSMISSION SYSTEM
John Wesley Burleigh, Pasadena, Calif.
Application November 5, 1931, Serial No. 573,207
In Great Britain December 6, 1930
5 Claims. (Cl. 290—14)



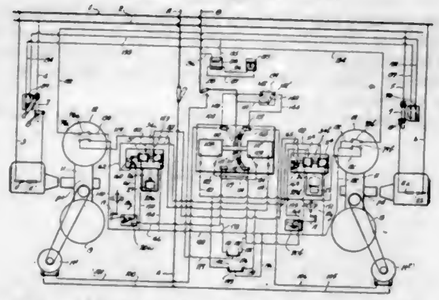
2. A vehicle propulsion system, comprising a prime mover with a shaft, a series-wound dynamo having its shaft disposed parallel to and in side by side relation with the shaft of the prime mover, a driving connection between said shafts, an electric motor having its shaft disposed parallel to and in side by side relation with the shafts of the dynamo and the prime mover, and electrical connections between said dynamo and motor whereby the latter can be supplied with current from the former.

1,980,166
PIVOT LUBRICATING AND BEARING MEANS
William G. Calkins and Anthony J. Langhammer, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application September 11, 1931, Serial No. 562,374
7 Claims. (Cl. 267—54)



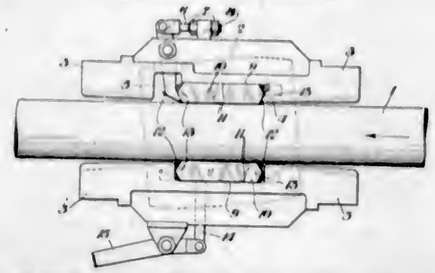
1. A hollow pivot having lubricant in its interior and including a journal portion having a slot therethrough, and a rigid porous plug in said pivot having a protruding flange extending through said slot adapted to reinforce said pivot and to feed lubricant to the bearing surface of said journal portion.

1,980,167
CHANGEOVER MECHANISM FOR MOTION PICTURE MACHINES
Ivory H. Crabtree, Toppenish, Wash., assignor of three-fourths to Lottie P. Crabtree, Toppenish, Wash.
Application October 16, 1929, Serial No. 399,949
8 Claims. (Cl. 88—17)



1. In combination with two motion picture machines arranged for alternate operation and each embodying a film feed reel and an operating motor, a main circuit, a normal operating circuit for each motor, an electrically actuated changeover mechanism connected in the main circuit and operable to deliver current to one or the other of said motors, said changeover mechanism comprising a pair of spaced contacts connected, respectively, with the two motors, a switch arm movable from one contact to the other to cause current to flow through one or the other of the motors, a pair of solenoids operatively connected for moving the switch arm, circuits for the solenoids associated, respectively, with the film feed reels of the two machines and each including a switch operable incident to unwinding of a predetermined amount of film from the operating machine to close its circuit to actuate the switch arm to close a circuit through the motor of the idle machine and to open the normal operating circuit to the motor of the operating machine, a second switch actuated by the solenoids simultaneous with the movement of the switch arm, thereby to open the circuit of the energized solenoid.

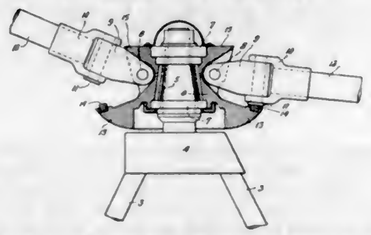
1,980,168
WORK GUIDE
Herbert Davis, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application May 10, 1933, Serial No. 670,343
3 Claims. (Cl. 80—51)



1. A tube mill work-guide having its sides providing two or more guiding surfaces symmetrically arranged about its transverse and longitudinal center lines and having projections at each of its ends in each instance one of said projections being symmetrically diminished in size from each

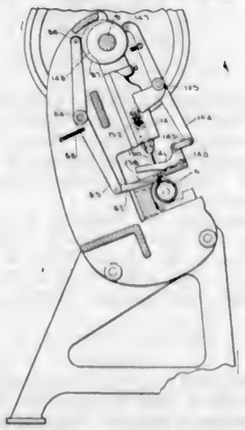
of said surfaces to guide the work thereonto and another of said projections being shaped for mounting purposes.

1,980,169
AIRCRAFT SUSTAINING ROTOR CONSTRUCTION
Juan de la Cierva, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application April 24, 1931, Serial No. 532,604
2 Claims. (Cl. 244—19)



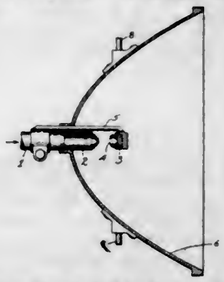
2. An aircraft sustaining rotor construction including a hub member mounted to rotate about an upright axis, a plurality of sustaining wings, substantially horizontal pivot means connecting each wing to the hub member for substantially independent upward and downward swinging movements under the influence of flight forces, a stop member movable with each wing during its swinging movements and extended generally radially inwardly of said pivot means, and stop means on the hub member positioned to cooperate with the stop members radially inwardly of said pivot means, so as to arrest excessive swinging movements of the wings.

1,980,170
INSULATION PROCESS AND MACHINE
Harrison H. Eaton, Toledo, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application October 22, 1928, Serial No. 314,306
13 Claims. (Cl. 29—84)



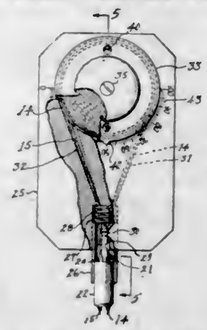
1. A method of lining the slots of armature cores with insulation which consists in bringing a strip of material into parallelism with the axis of the core and shearing a portion of said strip, forming said severed portion to a predetermined configuration and subsequently placing said severed and formed portion into one of the armature slots.

1,980,171
DISPERSING PARTICLES SUSPENDED IN AIR
Ernest V. Amy, New York, N. Y., assignor to Amy, Aceves & King, Inc., New York, N. Y., a corporation of New York
Application January 27, 1932, Serial No. 589,231
23 Claims. (Cl. 299—28)



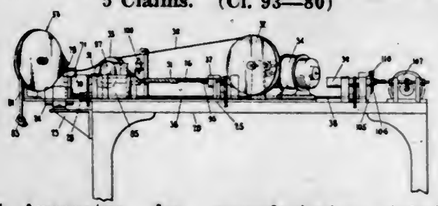
1. The method of dispersing foreign particles, which consists in producing, and for a time maintaining waves in and of the particle-laden atmosphere of more than substantially five thousand and less than one hundred thousand cycles per second and of adequate energy to materially speed dispersion.

1,980,172
REMOTE CONTROL DEVICE
Irving Ball, Elizabeth, N. J.
Application November 28, 1932, Serial No. 644,744
1 Claim. (Cl. 250—40)



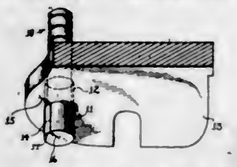
In a remote control device adapted for turning the operating shafts of radio receiving sets from a remote point of control, a casing arranged to be slid upon and suspended from the operating shaft of the radio set to be controlled, a sheave turnably mounted within said casing, a knob fixed on the operating shaft of the radio set, said knob having a hub secured to said sheave, a second casing adapted to be located at the remote point of control, a sheave turnable within said second casing, said second casing having a scale depicted thereon adjacent said last named sheave, said latter sheave having an operating knob thereon for effecting the turning thereof and having a pointer thereon movable over the scale of said second casing, a cable conduit interconnecting said first and second casings, a pair of cables wrapped in opposite directions on said first named sheave, said cables extending outwardly of said first casing through said cable conduit to said second casing wherein said cables are wrapped in opposite directions about said last named sheave and spring means within said second casing and acting upon said cable conduit for causing said cables to be taut within said cable conduit.

1,980,173
APPARATUS FOR MANUFACTURING TUBULAR MEMBERS
William J. Bauer, Yonkers, N. Y.
Application February 27, 1931, Serial No. 518,654
5 Claims. (Cl. 93—80)



1. Apparatus for manufacturing tubular members from a pair of tapes, comprising a frame, a mandrel rotatably mounted thereon, a pair of tape supplying means to supply a pair of tapes at an angle to the mandrel, a driving band helically wound about the mandrel to rotate the same and to advance along the mandrel the tapes which are located under said band and in overlapping relationship, and the said mandrel being reduced at its far end and fluted longitudinally to conform to the desired final form of the tubular member, and rotatable crimping rolls having a circumferential ridge conforming to the said mandrel end and associated therewith to flute longitudinally a tubular member.

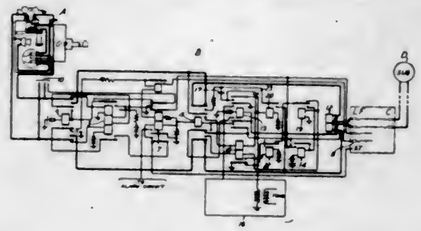
1,980,174
LEADER PIN
Emil A. Baumbach, Chicago, Ill.
Application July 30, 1932, Serial No. 627,028
2 Claims. (Cl. 164—29)



2. The combination with a die shoe of a removable round non-expansible leader pin having a drive fit in the shoe, said leader pin having an enlarged portion at its base, said die shoe having a round hole therein to receive the said enlarged portion, and being provided on its underside adjacent the hole with an aligning index, said die shoe having no part projecting within the cylindrical surface of the hole, and said enlarged portion being provided with a linear marking on its surface extending downwardly from the upper edge of said enlarged portion to the lower extremity of the pin parallel to the axis of the pin and having no part which enters the hole projecting beyond the cylindrical surface of the pin, said linear marking being capable of continuous registration with the index and visible while the pin is being forced into the shoe, the lower end of said pin being provided with an index registering with the lower portion of said linear marking which will register with the aligning index on the die shoe when the pin is pressed in the shoe in proper position.

1,980,175
TELEPHONE SYSTEM
William M. Beaumont, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1932, Serial No. 620,423
11 Claims. (Cl. 179—6.3)

1. In a telephone system, a calling coin box subscriber's line, a called subscriber's line, means for establishing by dialing a connection from the calling subscriber's line to the called subscriber's line, means including a relay operative when the called subscriber answers a call, means including a second relay operative in response to the operation of said first relay for splitting the connection, means including a group of relays operative



in response to the operation of said second relay, a third relay, means responsive to the calling subscriber depositing a coin for controlling said group of relays to cause the operation of said third relay, and means controlled by the operation of said third relay for releasing the second relay to reestablish the connection.

1,980,176
UNIDIRECTIONAL CURRENT PASSING DEVICE
Joseph A. Becker, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 25, 1931, Serial No. 546,746
19 Claims. (Cl. 175—366)



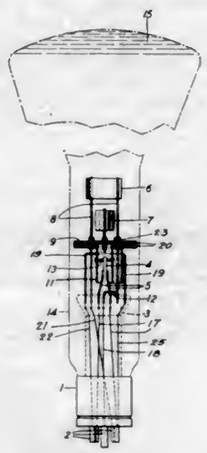
1. A unidirectional current passing device constituting in and of itself a rectifier consisting of a rectifying member initially flexed successively along a plurality of lines, having a substantially symmetrical resistance characteristic about a positive voltage.

10. The method of making a unidirectional current passing device which comprises heat treating a metal blank to form a layer of an oxide of said metal thereon and thereafter flexing said blank successively along a plurality of lines.

1,980,177
CATHODE RAY OSCILLOGRAPH TUBE
Leslie H. Bedford and Douglas G. Coveney, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1932, Serial No. 591,393
In Great Britain March 16, 1931
6 Claims. (Cl. 250—27.5)

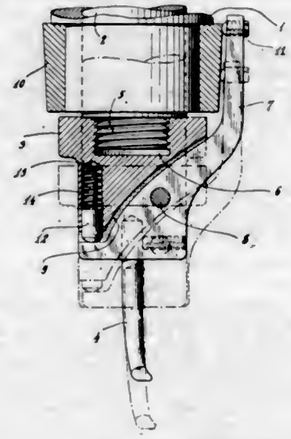
1. A cathode ray discharge device comprising an enclosing vessel having a stem, a cathode, a plurality of supports extending from said stem,

deflector plates carried by said supports, and a disc anode mounted on said supports in juxtaposi-



tion to and having an aperture in alignment with said cathode.

1,980,178
MACHINE TOOL ATTACHMENT
Nils Berglund, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application September 29, 1932, Serial No. 635,314
2 Claims. (Cl. 77—58)

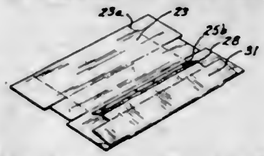


2. In a removable cutting attachment for drill presses having a rotatable spindle mounted to be advanced as it rotates, a head adapted to be fixed to and rotated with said spindle, a stationary guide encircling said spindle and having a conical exterior working surface, a member pivoted intermediate its ends on said head and having an adjustable stud at one end thereof arranged to contact said conical working surface, a spring urged pin mounted in said head and contacting the opposite end of said pivoted member, and a cutting element secured adjacent said opposite end of said pivoted member, whereby the cutting element is caused to cut a conical surface as the spindle advances.

1,980,179
METHOD OF SEALING PACKAGES
Samuel Bergstein, Cincinnati, Ohio
No Drawing. Application October 28, 1930, Serial No. 491,737
6 Claims. (Cl. 216—62)

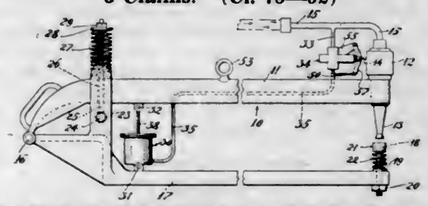
1. A method of securing quick adhesion between a sheet which has a water-repellent surface and the surface of a gum which has been applied to a water absorptive article by means of an organic volatile solvent penetrating the water-repellent surface and the gum, which consists in applying to at least one of said surfaces an organic volatile solvent, and pressing the surfaces together for penetration of both surfaces by the solvent and for immediate drying and fixed connection due to the volatility of the solvent after its penetration of the two surfaces and bonding of the materials thereof.

1,980,180
HERMETICALLY SEALED CARTON AND METHOD OF SEALING THE SAME
Samuel Bergstein, Cincinnati, Ohio
Application September 12, 1932, Serial No. 632,773
10 Claims. (Cl. 229—3.1)



3. A cut and scored carton blank of grease-proof material having side, top and bottom walls with a glue flap of said box having a cut score adjacent the edge thereof, and having grease-proof material forming a barrier within said score to prevent seepage of material through the fibers of said glue flap.

1,980,181
AUTOMATIC RIVETER
Karl Bodden, Bristol, Pa., assignor to Keystone Aircraft Corporation, a corporation of Delaware
Application June 8, 1932, Serial No. 615,993
3 Claims. (Cl. 78—52)

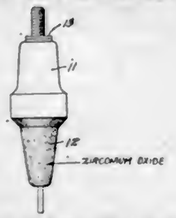


1. An automatic riveter comprising in combination, a reciprocating pneumatic rivet hammer having a trigger, a bar associated with and movable with respect to said hammer, a pneumatic device adapted to move said bar with respect to said hammer, an air control valve for controlling air flow to and from said pneumatic device, and an operating member selectively operable to move said valve and said trigger.

1,980,182
SPARK PLUG PORCELAIN
Herbert M. Brewster, Chicago, Ill.
Application June 9, 1932, Serial No. 616,361
4 Claims. (Cl. 123—169)

1. A glazed porcelain member adapted for use as an insulating means in a spark-plug of an internal-combustion engine having that glazed portion thereof designed to be subjected to con-

tact with the gases of the engine covered with an oxide protective coating capable of withstanding the heat, pressure and chemical action of the en-



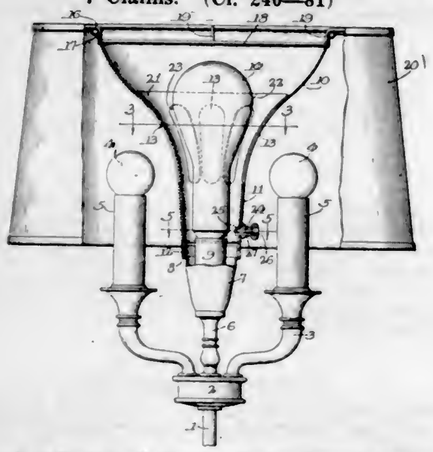
gine gases without substantial deterioration, thus preserving the electrical insulating properties of the covered glaze of the porcelain.

1,980,183

LAMP REFLECTOR

Louis Brosilow and Louis Severus, Chicago, Ill.

Application January 23, 1933, Serial No. 652,998
7 Claims. (Cl. 240—81)



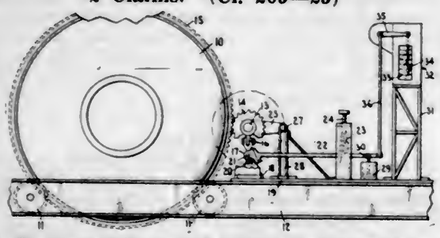
1. A reflector of the character described having a plurality of windows therein, an expansible sleeve nested within said reflector and formed with a plurality of openings corresponding to the reflector windows, and means engaged with a portion of said sleeve and disposed exteriorly of the reflector for facilitating rotation of the sleeve in a manner to effect alignment or disalignment of said openings with said windows.

1,980,184

CONTROL RECORDING APPARATUS

Ira A. Butcher, Brooklyn, N. Y.

Application April 5, 1932, Serial No. 603,357
2 Claims. (Cl. 265—25)



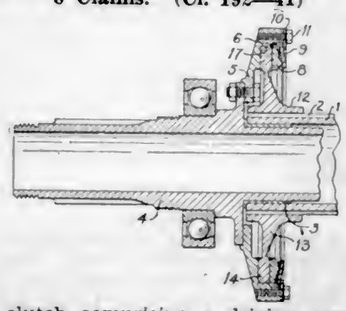
1. In measuring mechanism for power driven apparatus: a gear train for transmitting power and including a driving pinion, means mounted coaxially with the pinion for rotating the same, means for swingably mounting said pinion about an axis displaced substantially from the axis of rotation of the pinion for partial disengagement with its companion gear and substantially tangentially thereto, means to apply a load continuously to the said pinion to cause the same to maintain full meshing engagement when no power is being transmitted by the gear train, and a measuring element actuated by the tangential movement of the said pinion when power is transmitted therethrough and which movement is a function of the transmitted power.

1,980,185

TORSIONAL VIBRATION DAMPER

Roland Chilton, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application May 15, 1930, Serial No. 452,598
8 Claims. (Cl. 192—41)



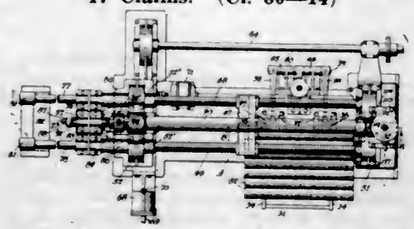
1. A clutch comprising a driving member; a driven member; a hub secured to one of said members; a disc secured to the other said member, and surrounding said hub; means for providing a positive drive in one direction while allowing slippage in the opposite direction, said last named means comprising projections attached to the hub and contacting at their outer ends with the disc; said disc being disposed on one side of and in constant frictional contact with said projections; a flange attached to the disc and extending inward therefrom on the opposite side of the projections; and means for resiliently pressing the flange into frictional engagement with said projections, whereby an overload friction clutch is provided in addition to the uni-directional drive.

1,980,186

TUBE REDUCING MEANS

James Robert Coe, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

Application February 19, 1931, Serial No. 516,905
47 Claims. (Cl. 80—14)



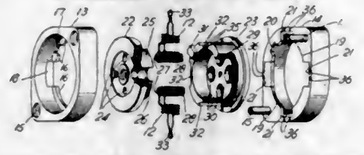
1. In a tube reducing apparatus, a rotatable member for receiving a tube, a reciprocable carriage, means for reciprocating said carriage along the tube, tube-reducing elements mounted on said carriage, a mandrel extending into said tube, and means correlated with said reciprocating means for concurrently rotating said member and said mandrel for effecting rotation of the tube.

1,980,187

VACUUM TUBE SOCKET

Allen I. Crawford, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 30, 1929, Serial No. 403,380
6 Claims. (Cl. 173—328)



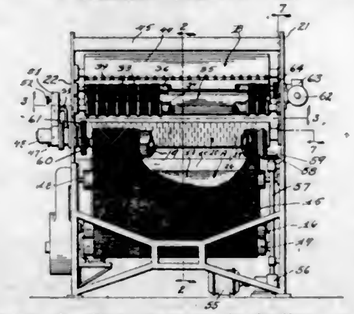
6. A cushion type mounting for electrical devices comprising a hollow stationary support, a member within said stationary support, contacts within said member and tube shaped metallic means integral with said contacts wholly disposed intermediate longitudinal portions of said support and said member with the longitudinal axes of said means extending radially therebetween, said means being universally resilient, but sufficiently rigid to prevent by their resistance to compression contact between said member and said support by external shocks.

1,980,188

PRINTING MACHINE

William L. Cullen, Dearborn, and Simon Roth and Carl Hoefler, Detroit, Mich.

Application May 16, 1932, Serial No. 611,658
7 Claims. (Cl. 271—74)



1. Sheet feeding means including a roller, means tangent to the roller for guiding a sheet to the periphery of said roller, means for conveying a sheet to said guide means, means tangent to the roller for guiding a sheet from the periphery of said roller, and means for causing a sheet discharged onto the roller from the first mentioned guide means to become engaged with the last mentioned guide means, including means within the roller successively attracting and repelling the sheet.

1,980,189

TREATMENT OF HYDROCARBON OILS

Richard F. Davis, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

No Drawing. Application May 21, 1931, Serial No. 539,140
12 Claims. (Cl. 196—24)

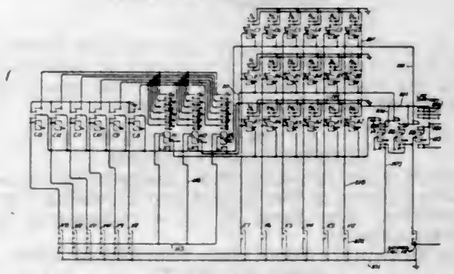
5. In the desulphurization of hydrocarbon oils, the method which comprises treating the oil with a halogen selected from the group consisting of chlorine, bromine and iodine, and a hydrogenated derivative of a heterocyclic nitrogen compound containing at least five members in the ring.

1,980,190

IMPULSE TRANSMITTER

William R. Davis, Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 4, 1932, Serial No. 596,758
In Great Britain March 19, 1931
3 Claims. (Cl. 177—380)



1. A transmitter for a selective signal-system comprising two groups of manually operated keys, three groups of marking relays controlled by the first group of keys, a single group of marking relays controlled by the second group of keys, means whereby the first group of keys and the three groups of marking relays controlled thereby operate to set up code signals having three digits of a predetermined low number of impulses and the second group of keys and the single group of marking relays controlled thereby operate to set up code signals of one digit of a higher number of impulses than is possible in the first group of keys and the three groups of marking relays, marking transfer relays operating in sequence and common to the groups of keys, a source of current supply for the marking relays, means including contacts operated by said marking transfer relays upon operation of a key in either group to transfer the source of current supply from one group of marking relays to another, digit determining relays connected to the second group of keys and to contacts of said marking transfer relays, means whereby said digit determining relays and said marking transfer relays operate to replace one of the groups of marking relays controlled by the first group of keys by the single group of marking relays controlled by the second group of keys when a key in the second group is operated, marking contacts controlled by the digit determining relays and connected to contacts controlled by the single group of marking relays for the second group of keys, a line battery, line contacts, a line battery relay operating in sequence with the last of said marking transfer relays to connect the line battery to the line contacts, a pulsing pendulum type relay, said line battery relay having contacts to close a circuit to said pulsing pendulum type relay, a line relay, reversible line contacts controlled by said line relay and means including a system of counting relays operating in sequence and having contacts marked by said marking relays to control the operation of said line relay.

1,980,191

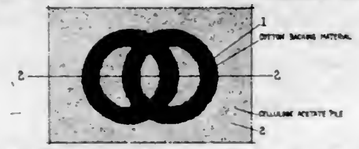
TREATMENT OF ARTIFICIAL MATERIALS

William Alexander Dickie and Frank Brentnall Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application May 7, 1931, Serial No. 535,806
In Great Britain July 14, 1930
14 Claims. (Cl. 41—41)

1. Process for the treatment of textile materials containing organic derivatives of cellulose,

which comprises treating at least a part of the organic cellulose derivative with a solution in a volatile organic liquid of an inorganic salt hav-



ing a swelling action upon the cellulose derivative, and causing the organic liquid to evaporate until the treated material is in a solid condition and capable of removal by brushing.

1,980,192
AQUEOUS DISPERSIONS

Jacob M. Fain, Brooklyn, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

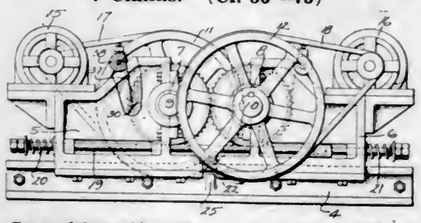
No Drawing. Application February 3, 1930, Serial No. 425,725
7 Claims. (Cl. 134—1)

1. The process of treating aqueous bituminous emulsions of the type formed with a paste forming mineral powder as the emulsifying agent, and which is substantially free from protective colloids, which comprises incorporating in the emulsion a finely divided oxide of an amphoteric element that does not substantially flocculate the emulsion and adapted to accelerate coalescence of the particles of bitumen in the water-free film.

1,980,193
CHIP CUTTER

Ellwood J. Finegan, Nekoosa, Wis., assignor of one-half to Michael J. Power, Nekoosa, Wis.

Application April 29, 1932, Serial No. 608,164
7 Claims. (Cl. 83—75)



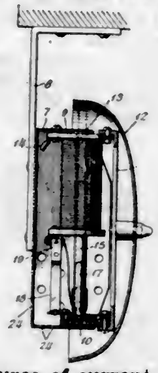
1. In a chip cutter, the combination with a pair of co-acting rolls and a bed frame, of sub-frames individually supporting the respective rolls and floatingly mounted for sliding movement to and from each other on the bed frame, means distinct from said bed frame opposing the separation of said sub-frames independently of their position on said bed frame, and means on the respective sub-frames for individually driving the respective rolls.

1,980,194
THERMOSTATICALLY CONTROLLED SIGNAL

John J. Ford, Jackson Heights, N. Y., assignor to Fire Detector Co., Inc., New York, N. Y., a corporation of New York

Application April 27, 1931, Serial No. 533,071
2 Claims. (Cl. 177—311)

2. In a fire detecting and alarm device a U-shaped bracket having attached thereto shelves of insulating material, a solenoid mounted on the upper shelf, a tube of non-magnetic material passing through the center of the solenoid, a plunger of magnetic and conducting material slidable in said tube, said plunger having a cam surfaced nose, a pair of spaced spring contact members mounted on the lower shelf between which said plunger is adapted to be forced by gravity, a casing attached to the bracket, a bell attached to the bracket, said solenoid being connected in series circuit with the spring contact

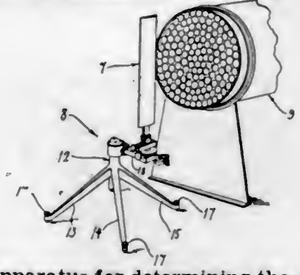


members and a source of current, a thermostatic switch in series with the circuit through the solenoid, said thermostatic switch being mounted on the lower shelf adjacent the spring contacts.

1,980,195
WIND TUNNEL BALANCE

William F. Gerhardt, Grosse Ile, and Clarence A. Brock, Detroit, Mich., assignors, by mesne assignments, to Devon Corporation, a corporation of Delaware

Application July 24, 1930, Serial No. 470,368
18 Claims. (Cl. 265—23)



1. In apparatus for determining the characteristics of airfoils, a mount for an airfoil comprising a support, an arm having a substantially vertical axis of rotation rotatably mounted upon said support, a scale beam rotatably mounted at the outer end of said arm, and means for securing an airfoil to said scale beam.

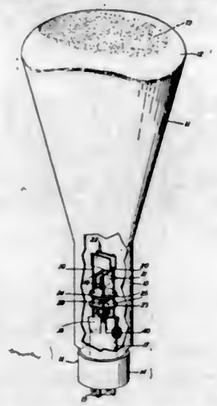
13. In apparatus for measuring the characteristics of airfoils, means for mounting an airfoil in an air stream to assume a position of equilibrium, said means including means for shifting said airfoil chordwise for bringing it to a balanced equilibrium position wherein the resultant of the air forces on said airfoil acts through the center of pressure thereof, said last named means including indicia for indicating that point on the airfoil chord at which said resultant is acting when said airfoil is moved chordwise to an equilibrium position.

1,980,196
ELECTRIC DISCHARGE DEVICE

Myron S. Glass, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 10, 1931, Serial No. 568,017
13 Claims. (Cl. 250—27.5)

1. An electric discharge device comprising an enclosing vessel, a unitary electrode assembly within said vessel including a stem, a plurality of supporting members separate from said vessel extending from said stem, a pair of insulating plates mounted in spaced relation on said supporting members and having axially aligned aper-

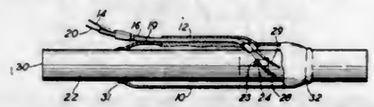


tures, a cathode mounted between said stem and one of said insulating plates, and a hollow anode mounted between said insulating plates in alignment with said apertures.

1,980,197
METHOD OF SEALING CONDUCTORS IN PLATES

Alvin N. Gray, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 6, 1932, Serial No. 603,520
6 Claims. (Cl. 173—268)

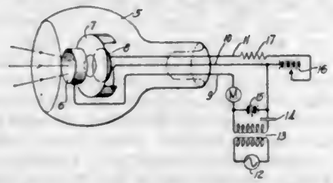


1. A means for connecting wires in a cable to other wires, which comprises, a plate having a depression formed therein and an opening in said depression, tubes passing through said opening and extending some distance on either side of said plate, said tubes sealed to said plate by means of a compound which fills up said depression and wires passing through said tubes and sealed therein.

1,980,198
ELECTROOPTICAL TUBE

Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 20, 1930, Serial No. 437,331
2 Claims. (Cl. 250—27.5)

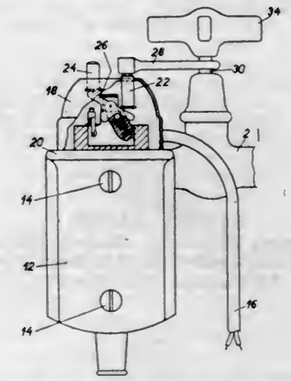


1. An electro-optical tube comprising a closed vessel, a cup shaped electrode having an aperture in the bottom, a ring shaped electrode outside said cup but adjacent to the bottom of said cup, and a light sensitive electrode within said cup.

1,980,199
WATER FAUCET

Herta Gründler, Berlin-Wilmersdorf, Germany, assignor to Elektricitätsgesellschaft "Sanitas", Berlin, Germany, a corporation of Germany

Application August 29, 1931, Serial No. 560,159
In Germany September 1, 1930
7 Claims. (Cl. 219—39)



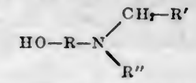
1. A water faucet comprising, in combination, means to control the flow of water through said faucet; electrical heating means to heat the water passing through said faucet; a switch to connect and disconnect said heating means with a suitable source of electrical energy; means actuated by said water flow controlling means to open said switch when said flow controlling means is operated to stop said flow, but inoperable to close said switch; and additional means for operating said switch independently of said flow controlling means.

1,980,200
MOTOR FUEL

Chester W. Hannum, Danville, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 12, 1932, Serial No. 592,653
12 Claims. (Cl. 44—9)

1. A motor fuel comprising cracked hydrocarbon distillates normally tending to deteriorate and form gum on storage and having incorporated therein in amount sufficient to inhibit the formation of gum a substance having the formula



wherein R represents a hydrocarbon radical of the benzene type, R′ represents a hydrocarbon radical of the benzene type and R″ represents a member selected from the group consisting of alkyl and aralkyl radicals.

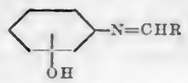
1,980,201
MOTOR FUEL

Chester W. Hannum, Danville, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 18, 1932, Serial No. 593,878
6 Claims. (Cl. 44—9)

1. A motor fuel comprising cracked hydrocarbon distillates normally tending to deteriorate

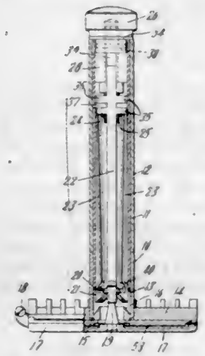
and develop gummy substances on storage and having incorporated therein, in an amount sufficient to inhibit the formation of such gummy substances an organic compound having the formula:



wherein R represents a radical of the benzene type.

4. A motor fuel comprising cracked gasoline normally tending to deteriorate and form gum on storage and having incorporated therein, in an amount sufficient to inhibit such gum formation, a chlorobenzylidene aminophenol.

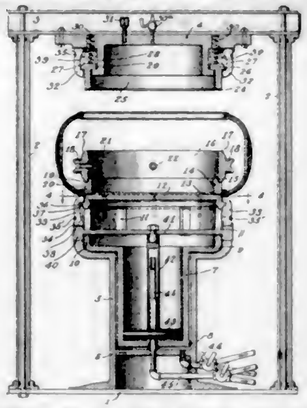
1,980,202
SAFETY RAZOR
George Hofmann, Boston, Mass.
Application September 16, 1932, Serial No. 633,446
11 Claims. (Cl. 30—12)



1. In a safety razor comprising a handle, a guard secured to the handle, a clamp hinged to the guard, a stud connected to the clamp so arranged as to protrude into or toward the adjacent end of the handle when the clamp is in blade gripping position, clutch jaws within the handle constructed for releasable interlocking engagement with the stud, and means for moving said jaws endwise; abutments spaced apart from one another longitudinally in the handle and cooperative cam elements on the jaws arranged to react with said abutments so as to engage the jaws with the stud when they are moved endwise in one direction and to release them from the stud when so moved in the opposite direction.

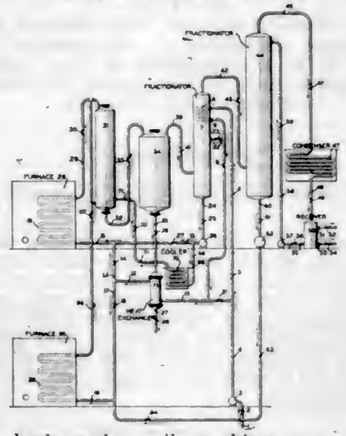
1,980,203
APPARATUS FOR MANUFACTURING TIRE CASINGS
Ernest Hopkinson, New York, N. Y., assignor to Morgan and Wright, Detroit, Mich., a corporation of Michigan
Application June 20, 1931, Serial No. 545,675
10 Claims. (Cl. 154—10)

1. An apparatus for shaping endless band structures into tire form and mounting the same on a bull ring comprising, a support for one edge of the band and for one edge of a bull ring, an abutment adapted for engagement with the other edge of the bull ring, a fluid tight chamber being completed on the engagement of the last mentioned edge of the bull ring with the abutment, and a plurality of yieldingly mounted elements engaging with the other edge of the band, said elements being operable by the abutment



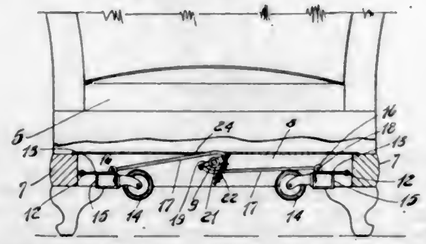
to move the edge of the band into position on the bull ring.

1,980,204
HYDROCARBON OIL CONVERSION
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application March 30, 1931, Serial No. 526,238
3 Claims. (Cl. 196—48)



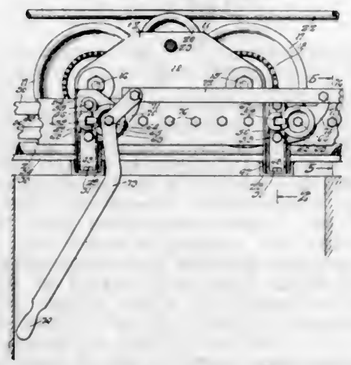
1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under pressure, discharging the heated oil into the upper portion of an enlarged reaction zone maintained under cracking conditions of temperature and pressure, removing the liquid and vaporous reaction products from the lower portion of the reaction zone and discharging the same into a vaporizing zone maintained under lower pressure than the reaction zone, separating the reaction products into vapors and residue in the vaporizing zone, subjecting the vapors to primary and secondary dephlegmation thereby forming primary reflux condensate and a lighter secondary reflux condensate, commingling a sufficient quantity of said primary reflux condensate with the reaction products being withdrawn from the lower portion of the reaction zone to effect substantial cooling of said products, continuously supplying another portion of said primary reflux condensate to the heating zone, passing said secondary reflux condensate through a second heating zone and heating the same therein to higher cracking temperature than the oil in the first-mentioned heating zone, discharging the thus heated reflux condensate into the upper portion of the reaction zone, and finally condensing the dephlegmated vapors.

1,980,205
FURNITURE CASTER
Raymond O. Isola, Alabaster, Mich., assignor of twenty per cent to August E. Proulx, Alabaster, Mich.
Application July 14, 1933, Serial No. 680,419
2 Claims. (Cl. 280—44)



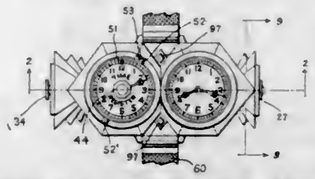
1. The combination with the frame of an article of furniture, of a pair of spaced apart caster frames hingedly secured thereto and formed with shoulders adapted when in lowered position to engage the lower face of the furniture frame, a horizontal transversely disposed shaft, cranks on said shaft, links connecting said cranks and the caster frames, a foot pedal mounted on the shaft and adapted when actuated to shift said caster frames to raised or lowered position, and resilient means for holding said shaft and caster frames in adjusted position.

1,980,206
BRAKE
Thomas A. Keen, St. Louis, Mo., assignor to Hannah M. Smith, River Forest, Ill.
Application June 2, 1933, Serial No. 673,940
3 Claims. (Cl. 188—62)



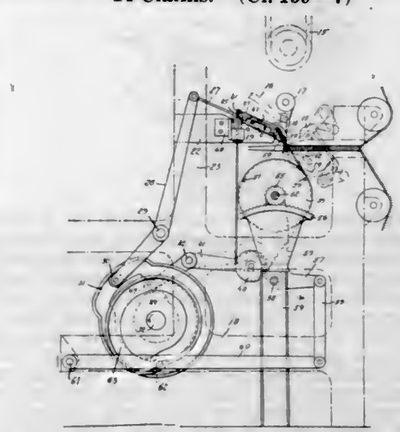
1. In combination with a lure carrying device comprising a car, a supporting structure, upper and lower rails, a brake structure comprising longitudinally and outwardly disposed brake shoes at each side of said car, channel members on said supporting structure and into which said brake shoes fit, brake strips within said channel members, friction strips on the exposed faces of said brake strips, and means comprising differentially shaped cams, cam followers and coupling rods at a plurality of positions along said channel members to displace said brake and friction strips differentially therealong towards said brake shoes.

1,980,207
COMBINATION WRIST WATCH
Howard A. Kehl, Detroit, Mich.
Continuation of application Serial No. 421,618, January 18, 1930. This application April 3, 1930, Serial No. 441,305
2 Claims. (Cl. 206—37)



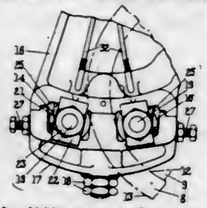
1. A device of the class described, comprising: a casing having a bottom section; a cover swingably mounted on said bottom section; a latch for latching said cover in closed relation to said bottom portion; a spring for normally swinging said cover to open position upon release of said latch; a watch carried by said cover and projecting inwardly of said casing; and a winding stem projecting outwardly from said watch through said connected end of said cover.

1,980,208
LOOM
William D. Kellogg, John Fradenburgh, and David D. Dube, Amsterdam, N. Y., assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application February 15, 1933, Serial No. 656,770
14 Claims. (Cl. 139—7)



1. In a loom of the Axminster type, the combination of tube frames carrying supplies of tuft yarns, means for inserting yarns from said supplies between warp threads, and means for severing from said supplies lengths of yarns suitable for pile tufts, said means comprising a support, a knife comb attached to said support, a movable knife mounted on said support to cooperate with said comb, means for moving said support into and out of operative position, means including a cable for moving said movable knife, and means for maintaining said cable taut during the cutting operation, said means including an element engaging said cable and means for moving said element to different positions.

1,980,209
OPERATING MECHANISM FOR KNITTING MACHINES
Edward Kinsella, John Gordon Pratt, and Bernard Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 26, 1932, Serial No. 639,634
In Great Britain November 3, 1931
6 Claims. (Cl. 66—86)



1. A warp knitting machine, comprising a series of knitting elements, cam follower means in connection with said series, a cam having two cam surfaces adapted to engage said cam follower means and to transmit motion positively in opposite directions respectively to the series of elements, said cam surfaces being simultaneously in engagement with said follower means, so as to effect the motion and reversal of motion of the knitting elements substantially without backlash, and means for adjusting the position of said follower means with respect to said surfaces, so as to adjust the field of motion of said knitting elements, and to take up wear.

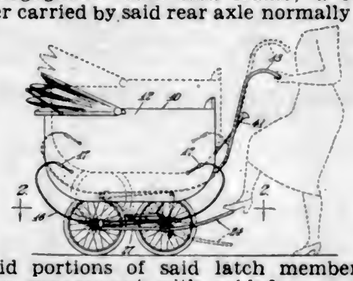
1,980,210
BABY CARRIAGE
Nathan J. Kroll, Chicago, Ill.
Application October 16, 1933, Serial No. 693,778
1 Claim. (Cl. 296—37)



In a baby carriage, the combination of: a carriage body including an upstanding wall having a door opening formed therein; a door hingedly mounted at its lower end or edge upon said carriage body for movement into and out of said door opening so as to open and close the latter; and flexible means for supporting the outer or upper end of said door, in extended position, from said wall; said flexible means being suspended at its inner or upper end from said wall and having attachment at its lower or outer end to the said outer or upper end of said door; said flexible means having an article storage pocket formed therein and being provided with an opening through which access may be had to said pocket from outside said carriage body; and said flexible means also functioning as a hood over said door when the latter is in lowered or extended position.

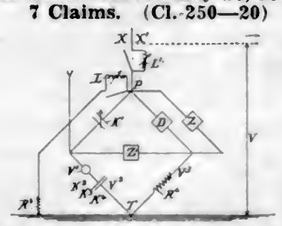
1,980,211
BABY CARRIAGE
Nathan J. Kroll and Samuel Kroll, Chicago, Ill.
Application December 6, 1933, Serial No. 701,128
4 Claims. (Cl. 280—29)

1. A baby carriage, comprising the combination of: a frame and a body supported thereby; means for pivotally lifting one end of the carriage relative to the other end thereof; said lifting means including horizontally extending members having attachment at their rear ends to the rear axle of the vehicle and being pivotally suspended at their front ends from said frame; latch members pivotally mounted on the said rear axle of the vehicle and having portions latchingly engageable with said frame; a resilient member carried by said rear axle normally urging



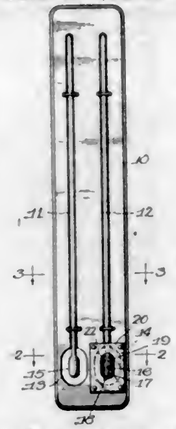
the said portions of said latch members into latching engagement with said frame; a foot-operated member pivotally mounted upon said horizontally extending members at the rear thereof and having bearing engagement at its inner ends under said latch members and tending to pivot the said portions of the latter out of latching engagement with said frame; said latch members normally latching said foot-operated member in raised position.

1,980,212
APPARATUS FOR ELIMINATING INTERFERENCES IN RADIO RECEPTION
Pierre Louis Victor Lambert, St. Martins, Guernsey, Channel Islands, assignor of two-fifths to Harold Hickman Randell, Guernsey, Channel Islands
Application May 23, 1933, Serial No. 672,423
In Great Britain May 26, 1932
7 Claims. (Cl. 250—20)



1. In wireless receiving apparatus, for eliminating the effect of radio-frequency interferences induced in the aerial circuit by electric lines used in feeding the receiver, a device which consists of circuit arrangements comprising a filter composed of two inductances through which the current feeding the receiver is passed and whereof one is placed in series in each lead of the distributing mains, there being placed on each side of said inductances in series across the mains leads a condenser to bring the mains leads at these points at an equal electric high frequency difference of potential to earth and, in parallel with the said inductances a variable condenser in series with a variable resistance, the said filter being interposed at a point between the mains leads and the receiver and the mains side of the filter being electrically coupled by means of a variable condenser and a variable resistance in series to one point of the aerial lead-in while the receiver side of the filter is earthed, all impedances between this earthing point and the earth cathode side of the primary oscillatory circuit of the receiver being shunted by condensers.

1,980,213
RADIATION DIFFERENTIAL THERMOMETER
Harvey B. Lindsay, Chicago, Ill.
Application January 18, 1933, Serial No. 652,320
5 Claims. (Cl. 73—52)



4. In a device for measuring heat, the combination of a thermal responsive device, insulating means enclosing said device to prevent dissipation of heat therefrom, said insulating means having a limited opening permitting exposure of said device to heat in one direction, heat absorbing means covering the exposed surface of said device, and said insulating means having a heat-reflecting outer surface.

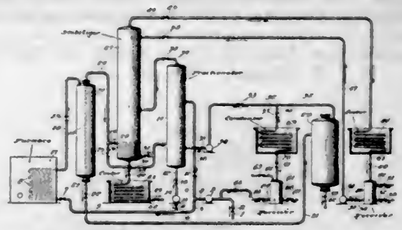
1,980,214
MOUNTING FOR ELECTRIC DEVICES
George R. Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 18, 1930, Serial No. 482,747
8 Claims. (Cl. 173—328)



1. A mounting for electrical devices comprising an insulating base, cooperating spring contacts within said base each having spaced parallel extending portions, and a metallic terminal mechanically secured to said extending portions and holding said portions in spaced relation, said terminal having gripping means engaging said base to prevent displacement of said spring contacts.

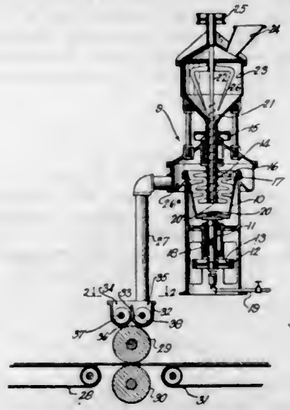
1,980,215
TREATMENT OF HYDROCARBON OIL
William H. McAdams, Newton, and Harold C. Weber, Milton, Mass., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application April 19, 1932, Serial No. 606,180
6 Claims. (Cl. 196—11)

1. A process which comprises subjecting hydrocarbon oil to cracking conditions of temperature and pressure and separating the same into vapors and residue, dividing such separated vapors into two portions, introducing one of the portions into a fractionating zone and fractionating the same therein to condense fractions thereof heavier than gasoline, passing the fractionated vapors to a stabilizing zone and condensing and stabilizing the gasoline therein, the gasoline condensate being collected in the lower portion of the stabilizing zone and withdrawn therefrom as a product of the process, and passing the other portion of



the separated vapors, prior to any substantial cooling and condensation thereof, in indirect heat exchange with the gasoline condensate in the lower portion of the stabilizing zone.

1,980,216
GLUING METHOD AND APPARATUS
Ericsson H. Merritt, Lockport, N. Y., assignor, by mesne assignments, to Merritt Engineering & Sales Company, Inc., Lockport, N. Y., a corporation of New York
Application May 21, 1931, Serial No. 538,979
17 Claims. (Cl. 91—68)



5. The method of gluing which comprises continuously intermingling a dry adhesive material and a liquid continuously drawn from independent sources at predetermined rates of speed, and continuously applying the resultant glue to surfaces to be glued.

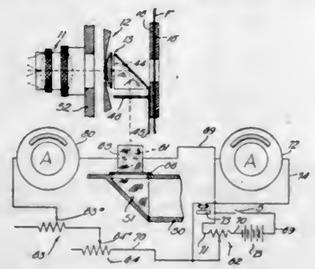
7. Gluing apparatus comprising a mixing receptacle provided with means permitting a continuous controlled delivery, means continuously to introduce into said receptacle a controlled flow of adhesive material, means continuously to introduce into said receptacle a controlled flow of a supplemental gluing material, means to cause said materials to be mixed in said receptacle and to pass out through said delivery means, glue-applying means, and means associated with said delivery means for bringing the mixed material into association with said applying means for immediate application thereby.

11. Mixing apparatus comprising a mixing receptacle having upwardly diverging side walls and provided with overflow means adjacent its upper end, means to rotate said receptacle, means to introduce a dry material adjacent the bottom of said receptacle, and means to introduce a liquid material adjacent the bottom of said receptacle.

1,980,217
LIGHT GAUGING APPARATUS

Gabriel Garcia Moreno, Los Angeles, Calif., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif., a corporation of Delaware

Application June 29, 1931, Serial No. 547,642
8 Claims. (Cl. 88—23)

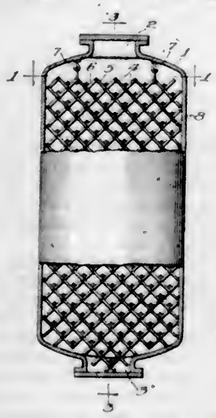


1. A device for determining the proper relation of factors of photography including a photo-electric element, means for varying the potential of the circuit of the element, means in the circuit of the element for varying the resistance of the circuit, and a device in the circuit indicating the resistance of the circuit, the element and said means being related so that one of said means corresponds to the film used and the other means corresponds to the light conditions, each of said means including an operating member, and a graduated scale to be read together with the position of the member to indicate the respective factor of photography.

1,980,218
COKING OF OIL

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application December 28, 1931, Serial No. 583,598
1 Claim. (Cl. 202—29)

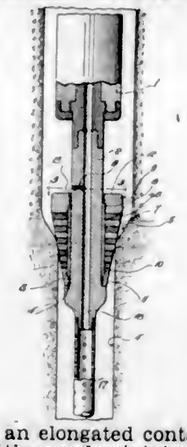


In the coking of oil in enlarged chambers wherein the oil is subjected to a coking temperature and a substantial body of coke deposited from the oil in the chamber, the method of facilitating the removal of the body of coke from the chamber which comprises positioning in the chamber in the form of a lattice-work a plurality of spaced rigid members capable of being charred by the heat of the oil whereby the body of coke will break along lines of cleavage furnished by the charred members.

1,980,219
PRESSURE RELEASE FOR SAND TESTING TOOLS

Joseph S. Morris, Bruni, Tex.

Application April 18, 1932, Serial No. 606,038
1 Claim. (Cl. 166—1)

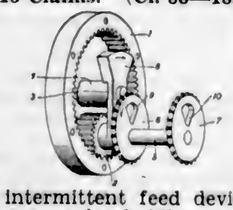


For use with an elongated container having a valve for admitting and retaining samples of a fluid from the lower end of a well and having means at its upper end for attachment to an operating member or pipe; a cylindrical pumping member adapted to be secured to the lower portion of the container and having an intake at its lower end, and a downwardly tapering packer member having a limited sliding movement on said cylindrical pumping member, said cylindrical pumping member having an unobstructed duct leading from its intake into the receptacle, the duct being of small diameter as compared with the diameter of the cylinder, whereby the liquid, displaced when the packer is wedged into a rat-hole entrance and the cylinder descends into the rat-hole, is forced up into the container, said cylindrical pumping member also having a radial opening communicating with the duct, said opening being located within the tapering packer member when the latter is in its uppermost position with respect to said cylinder and above it when it is in its lowermost position with respect to the cylinder, and an inwardly opening valve in said radial opening to prevent passage of high pressure fluid from the interior of the duct after a pressure has been built up substantially equal to or greater than the pressure of the outside fluid, thus permitting ready removal of the packer on the completion of a test.

1,980,220
INTERMITTENT FEED DEVICE

Edmund R. Morton, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 27, 1930, Serial No. 484,861
15 Claims. (Cl. 88—18.5)



1. In an intermittent feed device, an elongated strip, means for holding said strip in an arcuate field in the form of the envelope of an infinite number of prolate hypotrochoids, an eccentrically mounted impeller, means on said impeller for gripping said strip, and means to move said impeller in a retrograde rotary movement in a hypotrochoidal orbit for intermittently gripping said strip at zero velocity and moving said strip longitudinally through said arcuate field.

1,980,221
BRAKE LINING COMPOUND AND METHOD OF MANUFACTURING IT

William Nanfeldt, Clifton, N. J., assignor to World Bestos Corporation, Paterson, N. J., a corporation of Delaware

No Drawing. Application July 9, 1931, Serial No. 549,796
17 Claims. (Cl. 91—70)

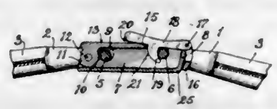
2. A brake lining impregnated with a fusible resinous material comprising cresylic acid having a 90% boiling point in excess of 208° C. and formaldehyde condensed together, there being between 1.7 and 6 times as much cresylic acid by weight as commercial 40% formaldehyde.

10. The method of making a fusible resin suitable for impregnation into brake lining material which comprises mixing together cresylic acid having a minimum boiling temperature of approximately 208° C., and a specific gravity of 1.025 at approximately 15° C. and not more than $\frac{7}{12}$ by weight as much of 40% formaldehyde, and heating the mixture at a temperature of about 100° C. until all of the water present has been eliminated and the material when sampled on a glass plate shows a clear transparent film which remains the same even after cooling.

1,980,222
CLASP

Benjamin Ogush, New York, N. Y., assignor to Katz & Ogush, Inc., New York, N. Y., a corporation of New York

Application June 30, 1934, Serial No. 733,185
8 Claims. (Cl. 24—201)



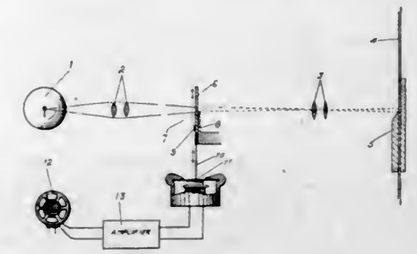
1. A clasp comprising, a body portion adapted for securement to one end of a wrist-encircling element, means on said body portion for the reception of a loop member attached to the other end of the wrist-encircling element, a closure member hinged to the body portion and adapted to be folded down to overlie the body portion, a locking member hinged at one end of the closure member, the closure member being apertured, said locking member being provided with means movable through the aperture in the closure member for engagement with a part of the body portion when said locking member is folded down against the closure member.

1,980,223
LIGHT VALVE FOR TRANSLATION OF SOUND EFFECTS

Freeman H. Owens, New York, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application September 17, 1928, Serial No. 306,497
9 Claims. (Cl. 274—5)

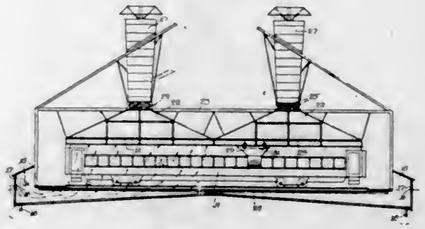
1. Means for photographically recording vibrations, comprising a light source of constant intensity, a fixed guide plate, a movable plate provided with a plurality of openings co-operating with one edge of said fixed plate to form a variable slit through which the light from said source may pass to a sensitive film, means for actuating said movable plate in accordance with the vibrations to be recorded, a film and means including a film gate having a screening member only one edge of which is in the line of light from said source for delimiting the exposure area of said film in a direction opposed to that which is defined by said fixed plate.



1,980,224
EXHAUST SYSTEM

Jens A. Paasche, Wilmette, Ill.

Application July 19, 1930, Serial No. 469,037
6 Claims. (Cl. 91—60)



1. In an exhaust system, the combination of an exhaust duct arranged to extend along the upper side of a railway car or the like, means for drawing air through said duct, an extension for said duct in the form of a conduit arranged to communicate with said duct at any point along the length thereof, and means for adjustably mounting said extension along the length of said duct, said extension having a free end adapted to communicate with a window or other aperture leading into the interior of the railway car.

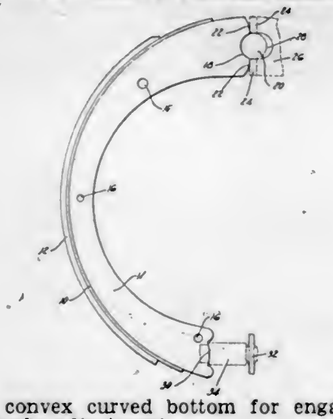
1,980,225
BRAKE SHOE

Humphrey F. Parker, New York, N. Y., and Bryan E. House, South Bend, Ind., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Original application May 21, 1930, Serial No. 454,250. Divided and this application October 14, 1933, Serial No. 693,560
12 Claims. (Cl. 188—250)

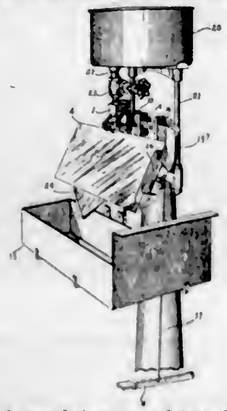
1. A brake shoe having a rim and a web, with one end of the web formed with a circular notch for engagement with a brake anchor and with rounded thrust portions on opposite sides of said notch for engagement with thrust lugs on an ap-

plying lever, and with the other end of the web formed with a relatively wide and shallow notch



with a convex curved bottom for engagement with a brake adjustment.

1,980,226
LATEX FLOWING MACHINE
Herbert R. Polleys, New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I., a corporation of Rhode Island
Application September 16, 1929, Serial No. 393,063
8 Claims. (Cl. 12—80)

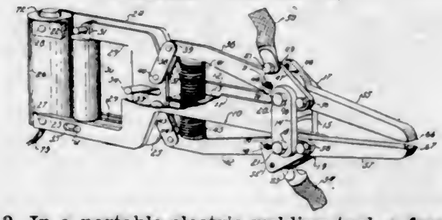


1. A liquid applying machine having means provided with an outlet for directly flowing liquid onto an article, adjustable means for supporting the article in a fixed plane in operative relation with the flowing means, means cooperating with said supporting means for adjustably determining the margin of the area to which the liquid is supplied, and means cooperating with said determining means for controlling the size of said outlet.

1,980,227
FRICTION FACING AND COMPOSITION OF MATTER
Daniel Repony, Clifton, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application December 22, 1933, Serial No. 703,600
9 Claims. (Cl. 106—23)

1. A dry comminute molding composition comprising asbestos fibre and ground tire scrap in a minor proportion such that the product resulting from dry molding and vulcanizing is characterized by an incomplete covering of the fibers by the rubber and a resulting porosity throughout the mass.

1,980,228
WELDING TOOL
Frank D. Rogers, Horsham, Pa., assignor to Keystone Aircraft Corporation, a corporation of Delaware
Application August 16, 1932, Serial No. 628,974
9 Claims. (Cl. 219—4)

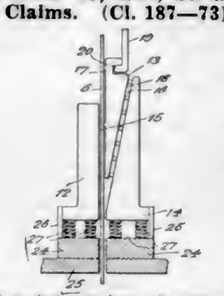


2. In a portable electric welding tool, a frame, a pair of electrodes movable with respect to said frame and resiliently urged toward contact with each other, toggle links associated with said electrodes, a yoke to which said toggle links are connected, and a handle associated with said yoke, for moving said links and separating said electrodes.

1,980,229
WELDING ROD
James M. Sawhill, Dallas, Tex., and George A. Mead, Mansfield, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
No Drawing. Application August 22, 1931, Serial No. 558,842
13 Claims. (Cl. 219—8)

4. An electrode comprising a metal core, a coating of substantially 40% reducing material and substantially 60% crater-forming material in comminuted form and a binder of heat-plaster rubber isomer to hold the particles of reducing material together and to the core.

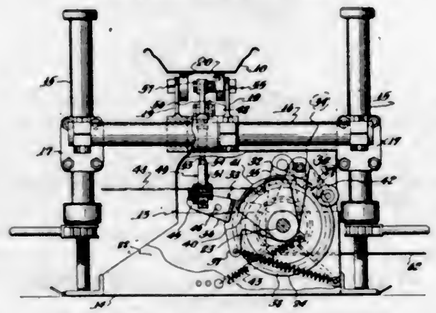
1,980,230
ELEVATOR
Alva B. See, Greenwich, Conn., assignor to A. B. See Elevator Company, Inc., a corporation of Delaware
Application October 19, 1931, Serial No. 569,615
9 Claims. (Cl. 187—73)



1. In an elevator system having an elevator car mounted for travel in a vertical plane, a drum, a counterweight and a cable secured to the car and the counterweight and operatively related to the drum, a cable gripping device for relieving the drum of the weight of the cable in the upper limit of movement of the car comprising a block having a gripping surface adjacent one side of the cable, and a second block

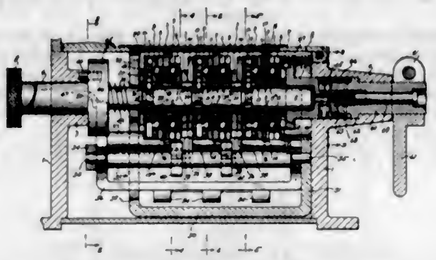
cooperating with the first mentioned block and movable with respect thereto into gripping position under the force of gravity acting thereon.

1,980,231
CAR PULLER
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 24, 1934, Serial No. 712,704
12 Claims. (Cl. 198—220)



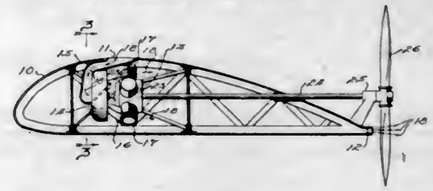
2. In combination with a shaker conveyor, a reciprocably movable conveyor pan, a support, a winding drum carried thereby, and means connectible with said conveyor pan for rotating said winding drum including a pawl and ratchet device, a bell crank member, a connection from one lever arm of said bell crank member to said pawl and ratchet device, and a connection from said conveyor pan to said other lever arm of said bell crank member.

1,980,232
COUNTER
Edward A. Slye, Burnside, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application July 17, 1929, Serial No. 378,831
9 Claims. (Cl. 235—144)



1. The combination with a series of counter wheels, each wheel of lower order having a locking disk and a transfer tooth and each wheel of higher order having a transfer gear movable therewith, mutilated transfer pinions for engagement with the transfer disk of a lower wheel and with a transfer gear of a higher wheel whereby wheels of higher order are normally locked against movement except through a wheel of lower order, with means for disengaging the transfer pinions from the locking disks; of means acting during such disengagement for maintaining the said transfer pinions in geared relation with the transfer gears, whereby said gears act as aligning gears for the transfer pinions.

1,980,233
AIRPLANE
William B. Stout, Detroit, Mich.
Application April 20, 1932, Serial No. 606,316
3 Claims. (Cl. 244—31)



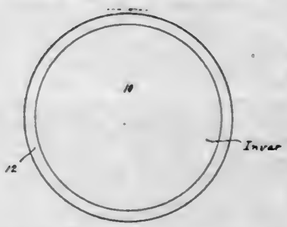
1. In an airplane, in combination with a wing thereof having an opening in its upper surface, a multi-cylinder engine disposed within the wing, a blower disposed within the wing and operatively connected to said engine so as to be driven thereby, a conduit communicating between said opening and the suction side of said blower, a plurality of conduits each communicating between the outlet side of said blower and a cylinder of said engine.

1,980,234
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL THREADS OR LIKE PRODUCTS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application May 4, 1933, Serial No. 669,280
In Great Britain June 2, 1932
3 Claims. (Cl. 18—8)



1. A spinning jet for the production of artificial filaments, threads, yarns and the like, the face of said jet containing the spinning orifices consisting of a thin material which is curved and thereby stiffened to resist distortion, the bore of said orifices being parallel to the axis of the jet.

1,980,235
ACOUSTIC DIAPHRAGM
Adolph A. Thomas, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Original application April 4, 1929, Serial No. 352,396. Divided and this application July 20, 1932, Serial No. 623,555. Renewed August 24, 1934
1 Claim. (Cl. 181—32)



An acoustic diaphragm substantially composed of an alloy comprising approximately 37% nickel and 63% iron, whereby said diaphragm is substantially unaffected by changes in temperature.

1,980,236

PROCESS FOR MAKING AQUEOUS SOLUBLE COLLOIDAL SULPHUR ISOTONIC AND INJECTABLE SOLUTION PRODUCED THEREBY

John Torigian, Queens Village, N. Y., assignor to The Drug Products Co. Inc., Long Island City, N. Y., a corporation of New York

No Drawing. Application November 3, 1933, Serial No. 696,598
5 Claims. (Cl. 167—72)

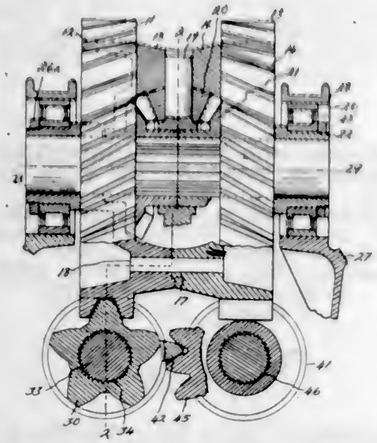
1. A new therapeutic agent for injection purposes comprising colloidal sulphur finely dispersed in a stable, transparent autoisotonized solution.

1,980,237

WORM GEARING

Nikola Trbojevich, Detroit, Mich.

Application January 26, 1931, Serial No. 511,413
9 Claims. (Cl. 74—41)



1. A worm drive comprising two helical gears, one right hand and one left hand, affixed to a common axis, two globoid worms disposed with their axes parallel and meshing with the said two gears, means for rotating the worms in unison in two opposite directions and bearings in the first axis permitting the said gears to longitudinally float through a limited swing in the direction of said axis thus equalizing the tooth loads in the two mating pairs.

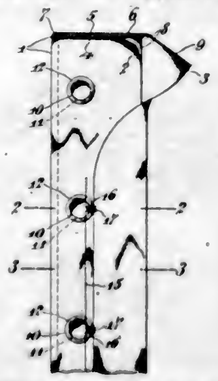
1,980,238

EYELET TAPE

Gilbert R. Upham, Churchville, Pa., assignor to The De Long Hook and Eye Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 8, 1931, Serial No. 507,309
4 Claims. (Cl. 2—265)

1. An eyelet tape for garments comprising a strip of fabric folded lengthwise along a line substantially parallel with the opposite edges thereof and nearer to one edge of said strip than to the other edge thereof a separate reinforcing strip located intermediate the opposing folds of said folded strip, eyelets extending through one side of said folded strip and the said reinforcing strip and being fastened thereto, the said eyelets being located at desired spaced intervals lengthwise of the said strips and in spaced relation to the folded edge of the folded strip, the wider fold of said folded strip being folded over the edge of the narrower fold of said folded strip and secured thereabout and a line of stitching extending lengthwise of the said strips and fastening the reinforcing strip and the opposite sides of the



folded strip together, the said stitching engaging the said eyelets.

1,980,239

PLANT SUPPORT FOR GREENHOUSE BENCHES

William Vetter, Patchogue, N. Y.

Application October 5, 1932, Serial No. 636,272
4 Claims. (Cl. 47—44)



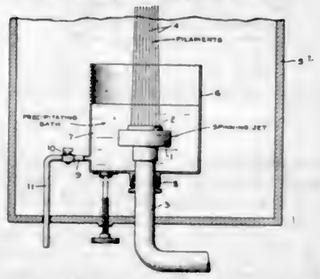
3. A device of the character described comprising a length of wire, and a plurality of integrally formed loops extending at intervals outwardly at right angles thereto, said loops each including a pair of parallel side portions terminating in a rounded end, and offset portions in said side portions intermediate the body of said wire and the rounded end of said loop to receive and retain a cooperating wire therein.

1,980,240

METHOD OF AND APPARATUS FOR DRY SPINNING

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application June 17, 1929, Serial No. 371,420
9 Claims. (Cl. 18—8)



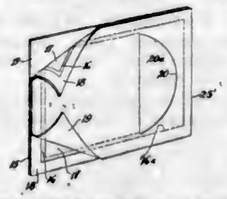
7. Apparatus for initiating the spinning of artificial filaments comprising the casing through which a heated evaporative gas is adapted to flow, a jet having orifices in said casing, means for passing a spinning solution through said orifices and means at said jet for containing a precipitating bath and means for removing said precipitating bath.

1,980,241

POCKET ENVELOPE AND METHOD OF MAKING SAME

Alexander Wilson and Sirenus G. Brick, East Liverpool, Ohio

Application September 1, 1933, Serial No. 687,792
8 Claims. (Cl. 229—69)



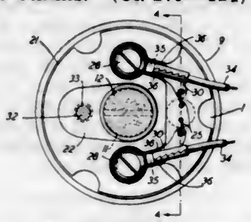
1. A duplex pocket envelope comprising an inner and two outer sheets of paper conglutinated adjacent their edges at peripheral zones of abutting surfaces to form two pockets each bounded by a conglutinated zone, each outer sheet being provided with a slit forming a flap providing for communication with one of said pockets, and the inner sheet having a gummed zone on each surface thereof, each gummed zone being opposite one of said flaps.

1,980,242

TELEPHONE RECEIVER

Frederick S. Wolpert, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 26, 1932, Serial No. 613,594
3 Claims. (Cl. 179—114)



1. The combination in a telephone receiver comprising a casing, a magnetic core, an energizing coil on said core, a terminal arrangement for said winding comprising an apertured disc of insulating material secured to said casing, a metallic strip carried by said disc, said strip being secured thereto at one end and having its other end free, but adjacent the aperture in said disc, and a connection from said winding within said casing through said aperture to the free end of the strip.

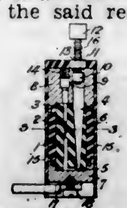
1,980,243

ELECTRICAL MERCURY CUT-OUT

Horace Worsdall, Bedford, England, assignor to himself and John Craig Harvey and Andrew Harvey, both of London, England

Application October 21, 1931, Serial No. 570,205
In Great Britain December 23, 1930
14 Claims. (Cl. 200—113)

1. A mercury cut-out comprising a body of insulation having a first bore provided with a relatively narrow portion or constriction intermediate its ends, electrical contact members in electrical connection with the interior of said bore at points above and below the narrow or constricted portion thereof, a mercury reservoir beneath said bore, a conduit additional to said bore for transmitting pressure to said reservoir for driving mercury from said reservoir into said bore to electrically connect said contact members, and a plunger mechanism comprising a plunger mounted for free sliding movements in said conduit for creating pressure therein, said conduit, reservoir, and bore together forming a U-tube of which the said reservoir forms the



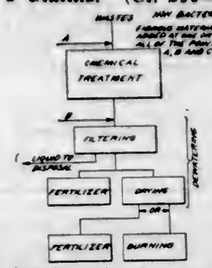
bottom limb of the U, said conduit forming one of the remaining limbs and said bore the other limb, said plunger being free to be driven upwards in said conduit when pressure is generated as a result of rupture of the mercury column which normally makes connection between said electrical contact members.

1,980,244

WASTE DISPOSAL

Arthur Wright, Upper Montclair, N. J.

Application July 17, 1931, Serial No. 551,354
5 Claims. (Cl. 210—2)



1. In the treatment of sewage or industrial wastes comprising filtering by continuous vacuum filters, the step of adding and mixing disintegrated, incinerable fibrous material with sewage or industrial wastes at any step in the treatment prior to filtration, whereby such fibrous material is mixed with the material to be filtered in sufficient amounts that the disintegrated incinerable fibrous material enmeshes with and binds the solids during filtration and bonds the filter cake into a self-sustaining sheet capable of substantially complete discharge from the filter in sheet-like form.

1,980,245

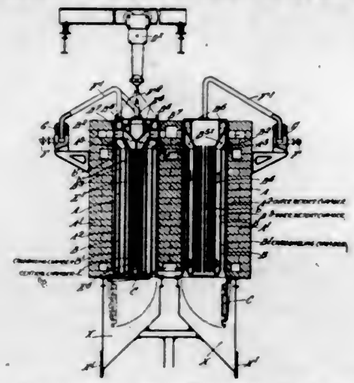
RETORT FOR USE IN THE LOW TEMPERATURE DISTILLATION OF CARBONACEOUS MATERIAL

Roland Addy and Sidney Gill, Barnsley, and Charles William Tozer, Westminster, England, assignors to The Carlton Main Colliery Company Limited, Barnsley, England, a British company

Application December 23, 1930, Serial No. 504,338
In Great Britain January 7, 1930
12 Claims. (Cl. 202—221)

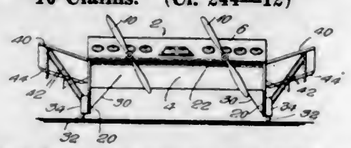
1. In a retort for use in the low temperature distillation of carbonaceous material, the combination of an outer retort chamber, an inner chamber located within the outer chamber, the lateral walls of the outer and inner chambers being spaced horizontally from each other thereby forming a space between them adapted to receive said material, means for heating said material in said space, a closure member for closing

the lower end of said space when the material is being heated and removable to permit discharge of said material from said lower end, and means



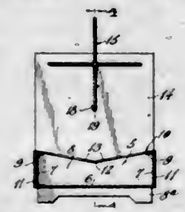
to move the inner chamber upwardly in relation to the outer retort chamber to facilitate discharge of the said material.

1,980,246
AIRPLANE SKY SLED
Gene Austin, Minden, La.
Application December 8, 1933, Serial No. 701,513
10 Claims. (Cl. 244—12)



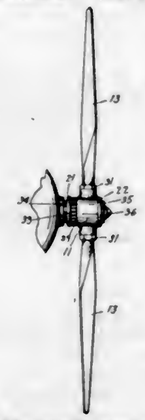
1. A sky sled comprising an aerofoil of the thick wing type for carrying within itself the pilot, passengers, etc., a plurality of vertically disposed, substantially flat surfaces extending fore and aft and substantially coextensive with the aerofoil, alighting means carried by the lower edges of said vertical surfaces, and a pair of supplementary surfaces, substantially coextensive with the aerofoil, extending upwardly and outwardly from the side edges of the aerofoil to give a dihedral effect.

1,980,247
POULTRY FEEDER OR WATERING TROUGH
John J. Backes, Washington, Ind.
Application August 4, 1933, Serial No. 683,682
1 Claim. (Cl. 119—61)



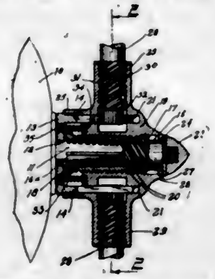
A poultry feeder or watering device comprising, in combination, a trough-like body; a cover closing the top of the body; said cover being gutter-shaped and having perforations large enough to permit the poultry to feed or drink through them; and a guard rotatably mounted on and extending above the cover and being sufficiently spaced from the perforations to permit feeding when the fowls stand on the ground; while preventing the fowls from standing on the cover; said guard being cruciform in cross-section and being made of a single piece of thin sheet metal with four fins each of double thickness and the edges being overlapped.

1,980,248
AUTOMATIC VARIABLE PITCH PROPELLER
Harrison Bates, Denver, Colo., assignor to Bendix Research Corporation, East Orange, N. J., a corporation of Indiana
Application September 27, 1930, Serial No. 484,738
12 Claims. (Cl. 170—162)



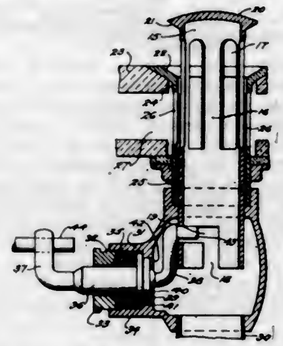
1. In a variable pitch propeller having a driven shaft, a hub drivably connected thereon but relatively movable thereof in response to the driving torque of said shaft, said hub having blades turnably mounted therein, and means associated with said shaft, hub, and blades, and separate from said drivable connection for varying the pitch of the blades, said means being actuated by movement of the hub relative to the shaft due to the driving torque of the latter.

1,980,249
PROPELLER
Harrison Bates, Greenville, S. C., assignor to Bendix Research Corporation, East Orange, N. J., a corporation of Indiana
Application April 23, 1931, Serial No. 532,326
13 Claims. (Cl. 170—162)



2. In combination with a propeller shaft, of a hub having a blade, means for mounting said hub on said shaft for relative movement therebetween, means for mounting said blade in said hub for radial movement thereof, means responsive to radial movement of said blade with respect to said hub for varying the pitch of the blade, and means responsive to longitudinal movement of said hub along said shaft for effecting said radial movement of the blade.

1,980,250
BASIN WASTE PLUG AND OPERATING MECHANISM
William Baxter, Westmount, Quebec, Canada, assignor to Crane Limited, Montreal, Quebec, Canada
Application February 20, 1933, Serial No. 657,585
4 Claims. (Cl. 4—198)



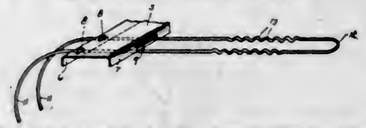
1. In a basin waste plug and operating mechanism comprising, an operating rod, a double crank lever operatively connected to said rod and having a pin from one crank extended inwardly, a plug having a cylindrical barrel extension slotted for waste outlets and circumferentially slotted forming an elongated horizontal upper surface for said pin and frictionally engaged thereby on the riding upper surface and a bearing for said crank lever including a packing gland projecting from the waste pipe.

1,980,251
ARTIFICIAL TAPER
Frederick J. Becker, Cincinnati, Ohio
Application November 10, 1932, Serial No. 642,073
3 Claims. (Cl. 67—36)



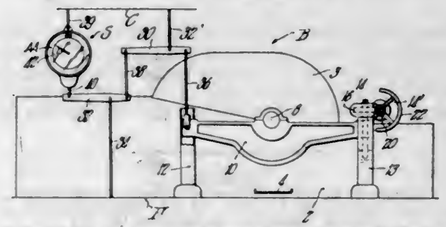
1. In a long-burning illuminating device using a highly volatile fuel, comprising a fuel enclosure and a wick therein, said enclosure and its top having a tightly fitted connection whereby they are separable for placing fuel in the container, the rims of said top and said enclosure having portions in direct contact at their outer surfaces to preserve the appearance of continuity of said surface, and having their mutually fitting attachment parts spaced in from said direct contact portions, leaving a space therebetween, and gasket means compressed in said space.

1,980,252
RAKE
William H. Bergmann, Cleveland, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application August 26, 1929, Serial No. 388,326
14 Claims. (Cl. 55—10)



11. A one-piece rake tine generally of hairpin form comprising a pair of normally divergent tine prongs integrally united at their rearward ends by a resilient yoke portion, each of said tine prongs provided with an off-set portion adapted to engage a rake head to interlock with separate spaced portions thereof.

1,980,253
PAPER MAKING APPARATUS
Cassius M. Bryan, West Springfield, Mass.
Application April 3, 1933, Serial No. 664,223
1 Claim. (Cl. 92—24)

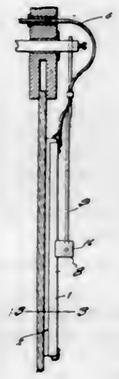


A beater apparatus for paper pulp and like material comprising in combination, a rigid support, a vat rigidly supported by said support, a bed plate associated with the inside of said vat, a pair of vertically extending supporting post members having their lower ends rigidly associated with said support in spaced relation, a lighter bar extending between said post members, and a horizontally disposed beater roll co-operating with said bed plate rotatably supported within said vat by said lighter bar at a point intermediate the opposite ends of the bar, one of said post members and one end of the lighter bar having means associated therewith whereby said lighter bar may be moved vertically into various positions of adjustment to adjust the said roll relative to the bed plate, the other end of the lighter bar being arranged relative to the other post member for unrestrained vertical movements, and weighing mechanism responsive to up and down movements entirely supporting said other end of the lighter bar and including indicating means to indicate the variance in the weight of said lighter bar and roll accordingly as said one end of the bar is moved vertically to adjust said roll.

1,980,254
COMBINED WINDSHIELD WIPER AND HEATER
Forrest P. Cartwright, Grand Junction, Iowa
Application March 6, 1934, Serial No. 714,323
1 Claim. (Cl. 15—250)

A combined windshield wiper and heater comprising a substantially semi-cylindrical casing of metal, a resilient substantially cylindrical member having a substantially wedge-shaped outwardly projecting side part, with that portion of the resilient member opposite the wedge-shaped por-

tion having a longitudinally extending slit therethrough extending from one end to the other, said resilient member being located in the casing, with its wedge part projecting from the casing and the slitted part at the rear of the casing, an elongated body of insulating material of circular



shape in cross section fitting in the resilient member, a coil embedded in the said body, conductors, one connected to the upper end of the casing and the other to the upper end of the coil, and a wire connecting the lower end of the coil to the casing.

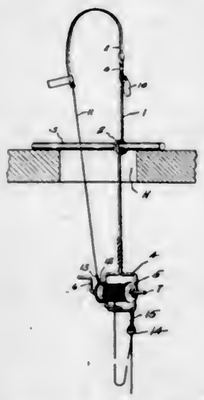
1,980,255

TIP-UP FOR FISHING THROUGH ICE

Peter Covich, Syracuse, N. Y.

Application March 15, 1934, Serial No. 715,685

1 Claim. (Cl. 43—16)



A tip-up device for fishing through the ice comprising a comparatively straight sticklike upright body having means between its ends for receiving a support for pivotally supporting the body in upright position through the hole in the ice from the surface of the ice, a fish line reel carried by the lower end of the body, a flexible resilient signal carried at the upper end of the body and secured thereto, and a cord or wire connecting the signal and the reel for holding the signal in flexed position, and a coupling between said cord or wire and the reel and operable to uncouple upon unwinding of the reel, thereby releasing the signal.

1,980,256

FEEDING DEVICE FOR ROCK DRILLS

John C. Curtis, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application May 2, 1932, Serial No. 608,638

8 Claims. (Cl. 121—9)



1. In combination with a drilling motor, of feeding means therefor comprising a feed tube having a cross section of a width greater than its height, a fluid actuated piston longitudinally movable within said feed tube, guideway within which said motor is slidably mounted, a member connected to said piston and to said motor for transmitting the longitudinal movement of the former to the latter, said feed tube being positioned with respect to said motor with one wall limiting the height thereof adjacent to said motor, reducing thereby the distance between the center axis of the motor and the feed tube.

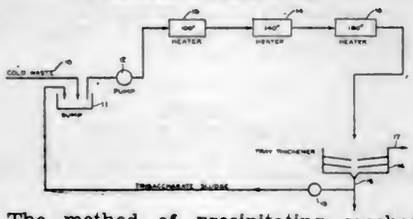
1,980,257

BEET SUGAR MAKING

George M. Darby, Westport, Conn., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application September 22, 1930, Serial No. 483,454

3 Claims. (Cl. 127—47)



1. The method of precipitating saccharate from cold waste water, which comprises heating the cold waste to precipitate a portion of the saccharate, removing the precipitate, and returning approximately 10% of the solids to the cold waste water prior to the heating operation.

1,980,258

MOISTURE RESISTANT VARNISH

Myron E. Delaney, East Orange, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 6, 1928, Serial No. 304,381

10 Claims. (Cl. 134—26)

1. A process of preparing a water-resistant varnish which comprises reacting cresol, tung oil and formaldehyde together until a viscous resinous product is obtained, dehydrating the product, adding chlorinated naphthalene thereto, heating under a reflux condenser until an intimate mixture is obtained, and adding toluene and xylol thereto to form the varnish.

1,980,259

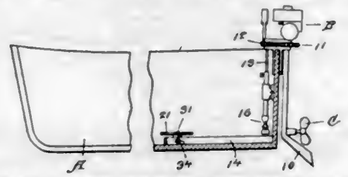
DIRECTIONAL CONTROL DEVICE

Eugene C. Ecker, Albuquerque, N. Mex.

Application April 24, 1934, Serial No. 722,180

2 Claims. (Cl. 114—172)

1. In a device of the character described, a driven pulley, a power pulley, connections between the pulleys, means for clutching the power pulley to hold the same stationary, foot operated means for releasing the power pulley from



clutched position and for driving the same, and a pedal for moving the power pulley from clutched position.

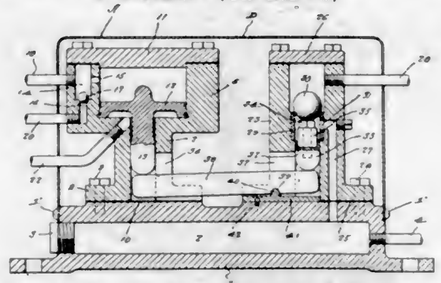
1,980,260

BELL RINGING DEVICE FOR LOCOMOTIVES

Louis E. Faulkner, Hattiesburg, Miss.

Application June 9, 1934, Serial No. 729,860

8 Claims. (Cl. 121—2)



1. In a locomotive including a pneumatic device for ringing the bell thereof, means for connecting the said device with the air reservoir of the locomotive, and automatic means operated by the steam supplied to the locomotive cylinders for controlling the supply of air to said pneumatic device, such automatic means permitting the flow of air to the device while the locomotive is in motion, but cutting off the supply as soon as the locomotive ceases to move.

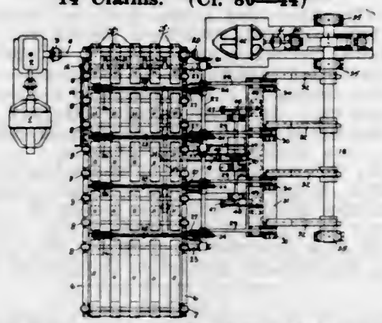
1,980,261

SHEET INSPECTION TABLE

Ray M. Fenton, Youngstown, Ohio, assignor to Newton Steel Company, Youngstown, Ohio, a corporation of Ohio

Application June 23, 1931, Serial No. 546,364

14 Claims. (Cl. 80—44)



1. In a transfer table for steel sheets, in combination, a belt travelling longitudinally thereof so arranged as to have spaced contact relation with a sheet thereupon, a belt travelling transversely of the table and located below the surface of the table in the spaces between areas of said contact relation, and controlled means to lift said transverse belts into contact relation with said sheet.

11. In a transfer table for steel sheets, in combination, mechanism to divert a sheet from the regular path of progression thereon, pivoted means adapted to receive such diverted sheet and deposit it on a pile, actuating means adapted to move said pivoted means through an angle, a pivoted cradle comprising a horizontal member and a vertical member adapted to receive sheets from said pivoted means and hold same in a vertical pile standing on said horizontal member, and means adapted to rotate said cradle about a pivot located at the intersection of said arms until said vertical arm is horizontal.

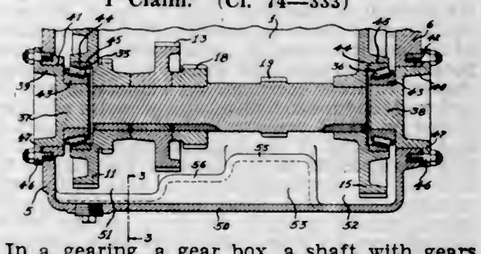
1,980,262

TRANSMISSION GEARING

Earl R. Fish, Syracuse, N. Y., assignor to W. C. Lipe Inc., Syracuse, N. Y., a corporation of New York

Application July 18, 1931, Serial No. 551,649

1 Claim. (Cl. 74—333)



In a gearing, a gear box, a shaft with gears thereon mounted in the box near the bottom thereof, two of said gears being located at the extreme ends of the shaft, and having hubs mounted on the ends of the shaft and extending beyond the ends of the shaft forming bearing recesses, demountable bearing supports in the walls of the gear box and removable and replaceable from the outer sides of said walls by an axial movement and having studs extending into the recesses, all whereby the shaft assembly including the gears thereon can be placed in the gear box, as a unit, and the bearing supports therefor afterwards placed in position, and also, whereby the gears run close to the supporting walls of the gear box.

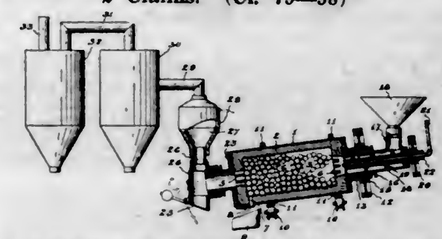
1,980,263

PROCESS OF SMELTING ALUMINUM

John G. G. Frost, Cleveland, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio

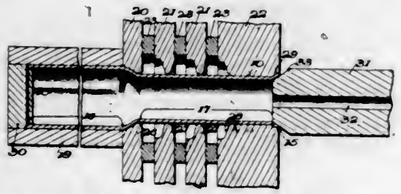
Application May 27, 1930, Serial No. 456,181

2 Claims. (Cl. 75—58)



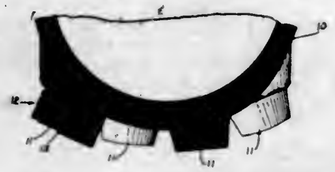
1. A continuous process of producing aluminum chloride and recovering metallic aluminum from finely divided material containing aluminum, which consists in simultaneously feeding chlorine and the finely divided material into a rotating drum containing loose blocks of refractory material, conducting gaseous aluminum chloride from the interior of the drum, and draining molten aluminum from the rotating drum.

1,980,264
METHOD OF CORRUGATING TUBES
Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application January 16, 1932, Serial No. 587,049
1 Claim. (Cl. 153—73)



The method of corrugating the circular portion of a tube which is non-circular in cross section for a large portion of its length and circular in cross section adjacent one end thereof which includes the steps of surrounding the non-circular portion of the tube with a die of the same contour as the tube to prevent deformation thereof by interior pressure, surrounding the circular portion of the tube with spaced movable die rings shaped to form corrugations, subjecting the interior of the tube to hydrostatic pressure while exerting an axial pressure exteriorly on the tube and lengthwise of the same to form axially flexible corrugations in the circular portions of the tube by the combined action of said hydrostatic pressure and said axial pressure, introducing spaced axially movable die rings into the corrugations opening externally of the tube, inserting interiorly of the tube a cylindrical form having an external diameter substantially equal to the final internal diameter of the inwardly directed corrugations, and moving said die rings axially to compress said corrugations while guiding, centering and restricting said inwardly directed corrugations.

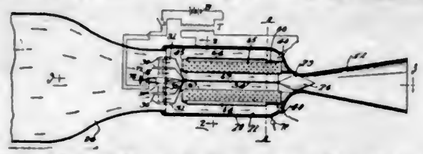
1,980,265
ANTISKID DEVICE
Herbert B. Gillette, Eau Claire, Wis., assignor to Gillette Rubber Company, Eau Claire, Wis., a corporation of Wisconsin
Application February 20, 1933, Serial No. 657,568
10 Claims. (Cl. 152—14)



1. An anti-skid device and traction element for tires comprising a coiled metal spring adapted to surround a projection formed on the tread surface of the tire, the coils of said spring being arranged to permit portions of said projections to be compressed therebetween, when the device is secured thereto.

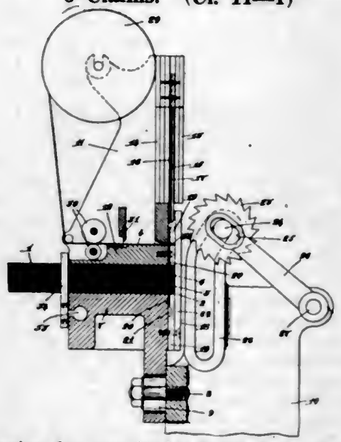
1,980,266
PROPULSION APPARATUS
Robert H. Goddard, Worcester, Mass.
Application February 7, 1931, Serial No. 514,289
18 Claims. (Cl. 60—44)

1. Propulsion apparatus comprising a combustion chamber, an outwardly expanding discharge nozzle connected thereto, means to admit a fuel mixture to said chamber, means to close said nozzle until said chamber is filled by a fuel mixture to a predetermined pressure, and means to



open said nozzle and thereupon fire said fuel mixture when such pressure is attained.

1,980,267
BOOKBINDING
Frederick Charles Gould, Westway, Edgware, and Thomas Harrison, Golders Green, London, England, assignors to Nevett Limited, London, England, a company of Great Britain
Application July 26, 1933, Serial No. 682,320
In Great Britain January 26, 1933
5 Claims. (Cl. 11—1)



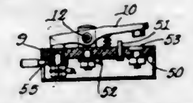
1. Device for use in book binding, comprising in combination means for registering the stack of leaves of which the book is composed, means for clamping said stack, piercing knives for forming elongated slits in said stack close to the back edge thereof, and lacing tools for passing lengths of tape through said slits.

1,980,268
MANUFACTURE OF SHAPED OBJECTS FROM CELLULOSE DERIVATIVES
Max Hagedorn and Eugen Gühring, Dessau in Anhalt, and Otto Reichert, Dessau-Ziebigk in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application August 28, 1929, Serial No. 389,081. In Germany July 10, 1928
4 Claims. (Cl. 18—51)

1. In the manufacture of shaped articles of cellulose trilaurate the step which comprises subjecting fibrous cellulose trilaurate for 30 minutes to a rolling treatment in the same direction at a temperature of 60° to 70° C. before giving the cellulose derivative the desired shape.

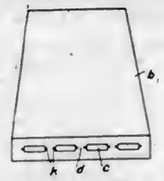
1,980,269
SIGNAL SWITCH FOR AUTOMOBILES
John P. Hanson, Butte, Mont.
Application January 7, 1931, Serial No. 507,273
1 Claim. (Cl. 200—6)

An electric switch for controlling an electric signal, comprising a body portion, stationary contacts on the body portion and disposed near opposite side edges of the body portion, a switch lever pivotally mounted on the body portion intermediate the ends of the lever, contacts at the ends of the lever, means for urging the lever in one direction normally completing a circuit, a spring arm mounted within the body portion, a contact pin extending upwardly from one end of the arm and



adapted to be engaged by the lever completing a circuit when the lever has been depressed a predetermined distance, and simultaneously breaking the normally closed circuit, and the lever adapted to engage one of the first mentioned contacts, completing a circuit when the lever is depressed to the limit of its movement.

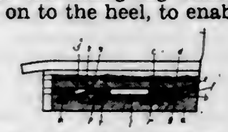
1,980,270
PROCESS FOR MANUFACTURING HOLLOW BUILDING PLATES FROM CERAMIC MATERIAL
Hermann Harkort, Berlin-Tegel, Germany
Application November 14, 1932, Serial No. 642,623
In Germany June 27, 1931
1 Claim. (Cl. 25—156)



A method of making plates of plastic ceramic material, consisting in packing the material in a mold around a plurality of cores spaced apart and extending through the recess of the mold to separate the interior of the packed material into strips integral with the mass of the material constituting the sides of the block, drying the packed material shaped by the mold, withdrawing the cores from the mold during the drying of the material, forming longitudinal indentations along opposite sides of the material strips midway between the sides of the block, subjecting the dried block to baking temperature, and splitting the baked block through the indentations of the spaced strips to divide the block into separated plates, each of said plates having shallow spaced ribs extending along one of its faces and the other face having a smooth surface.

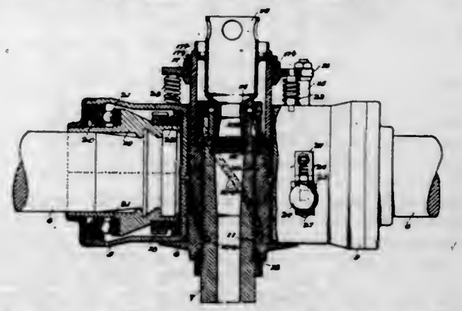
1,980,271
EXCHANGEABLE HEEL TAP
Franz Hassel, Chemnitz, Germany, assignor of one-half to Muller & Franke A. G., Limbach I, Sa., Germany
Application March 16, 1932, Serial No. 599,240
In Germany February 25, 1931
7 Claims. (Cl. 36—36)

1. An exchangeable and interchangeable heel tap and means for detachably securing it to the heels of boots and shoes, comprising a grooved slide and a holding plate, one secured permanently to the heel tap and the other to the boot or shoe heel, a tongue on the holding plate adapted to engage freely in the groove of the slide, and a fixing lug on the slide, the holding plate being formed with an aperture adapted to engage with the fixing lug when the heel tap is attached to the heel, and with a second aperture adapted to accommodate the fixing lug while the heel tap is being put on to the heel, to enable the slide to



be pressed flat against the holding plate before being slid into its final position.

1,980,272
PROPELLER
Clinton H. Havill, South Orange, and Martin Mansson, East Orange, N. J., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 27, 1931, Serial No. 511,584
10 Claims. (Cl. 170—162)



1. An aircraft propeller comprising a plurality of blades, driving means therefor, means responsive to the driving torque of said first-named means for varying the pitch of said blades, said last named means including a helical connection, means including a plurality of resilient members for yieldingly cooperating with said torque-responsive means, and means to compensate for the torsion of the blades.

1,980,273
BLEACHING WAXES
Arthur Hough, Passaic, N. J., assignor to Theodor Leonhard Wax Company, Haledon, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1930, Serial No. 463,814. Renewed April 16, 1934
8 Claims. (Cl. 87—19)

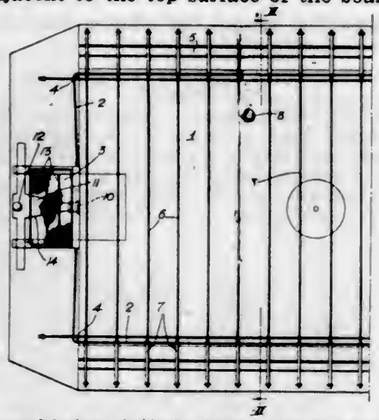
1. A process of bleaching beeswax which comprises treating the wax with permanganate in the presence of a dilute mineral acid, while hot, and while continuing such treatment until the manganese of the permanganate is converted into a soluble salt.

8. A process which comprises bleaching beeswax by treatment with water, acid and permanganate, hot and under agitation, until the manganese of the permanganate has been largely converted into salts, thereafter washing the wax with slightly acidulated water, until the manganese is at least largely removed, and thereafter washing out acids from the wax.

1,980,274
DEVICES FOR PLAYING TABLE FOOTBALL
Augustus Thomas Cave Insall, East Finchley, London, and Frederic Eversden Andrews, East Twickenham, England
Application December 7, 1932, Serial No. 646,198
In Great Britain January 4, 1932
2 Claims. (Cl. 273—94)

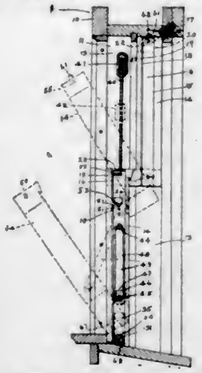
1. A game device comprising a board to support a game piece and means for propelling the game piece comprising a plurality of elongated spaced apart members anchored at their ends to the

board and extending over the top of the board, said members being elastic and tensioned for lateral flexure and subsequent release to strike and propel the game piece, the distance between adjacent members being greater than the width of the game piece, said members being disposed closely adjacent to the top surface of the board and



the board being slotted adjacent to the anchored ends of the members to accommodate a member flexing implement, the area above the members being entirely unobstructed so that the game piece is free to move across the various members and also longitudinally relative thereto substantially from side to side of the board.

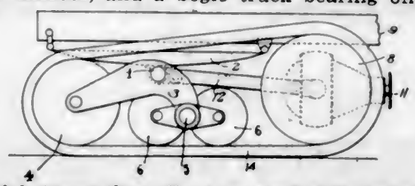
1,980,275
WINDOW CONSTRUCTION
Clarence E. Julin, Jamestown, N. Y.
Application October 4, 1933, Serial No. 692,203
12 Claims. (Cl. 20—49)



1. A device of the class described comprising a sash, a guide to slidably mount the sash in a frame, means pivotally connecting the sash adjacent one end to the guide, link means to secure the sash at different angles relatively to the guide, said link means being connected to one of said parts to enable reversal of the sash for washing of its outer surface from the inner side thereof.

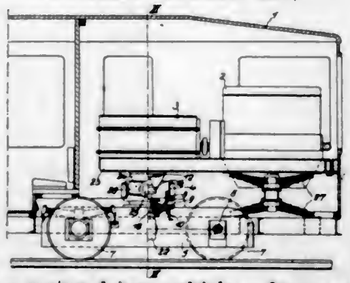
1,980,276
ENDLESS TRACK VEHICLE
Adolphe Kégresse, Courbevoie, France
Application January 5, 1931, Serial No. 506,827
In France December 23, 1929
1 Claim. (Cl. 305—9)

In an endless track vehicle, a longitudinal spring attached to the frame of the vehicle, a transverse axle carried at substantially the center of the spring, an equalizer mounted on the axle, an endless track, a suspended driven pulley at the forward end of the endless track and an idler carrier pulley cooperating with the track at the rear thereof, and a bogie truck bearing on the



track between the pulleys, one end of the equalizer being carried by the axle of the idler pulley and the other end of the equalizer being carried by the bogie truck, the diameter of the idler pulley being such as to distribute the weight of the vehicle between the idler pulley and the bogie truck.

1,980,277
MOTOR-DRIVEN VEHICLE
Rudolf Heinrich Koppel and Josef Linden, Aachen, Germany, assignors to firm: Rhein-Schelde Gesellschaft für Ingenieurwesen m. b. H., Aachen, Germany
Application November 4, 1932, Serial No. 641,276
In Germany November 6, 1931
4 Claims. (Cl. 105—117)

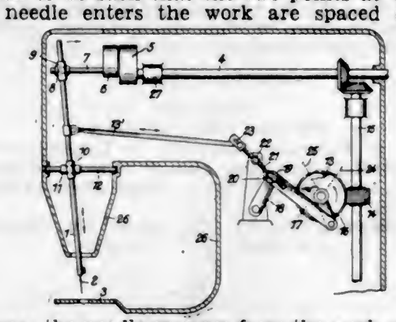


1. In a motor-driven vehicle, a frame, a bogie, pivotal means including a spherical centre bearing for supporting said frame on said bogie, a motor, a divided driving shaft extending from said motor to said bogie co-axially through said pivotal means, and a sliding coupling and a transversely resilient coupling connecting the parts of the driving shaft, the centre of said transversely resilient coupling being at the centre of the sphere defining the centre bearing.

1,980,278
SEWING MACHINE
Wilhelm Lockenvitz, Kolonie Blumenau, Berlin, Germany, assignor to Carl J. Lehmann, Berlin, Germany
Application February 20, 1934, Serial No. 712,215
In Germany February 28, 1933
6 Claims. (Cl. 112—158)

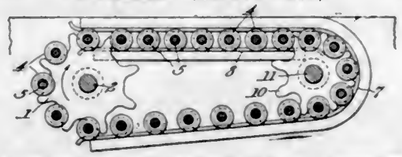
1. In a sewing machine for sewing hat leathers in head coverings in combination, an axially displaceable needle carrier, means for moving the needle carrier up and down, a guide for the needle carrier adapted to enable a limited pivotal motion thereof in a vertical plane about a point lying on its axial line immediately beneath the work in addition to the up and down motion, means adapted to move the needle carrier between two consecutive stitching operations alternately from one oblique position to the other in which oblique positions the motions necessary for stitch formation are executed, said oblique positions of the needle carrier being

chosen to be such that the two points at which the needle enters the work are spaced apart



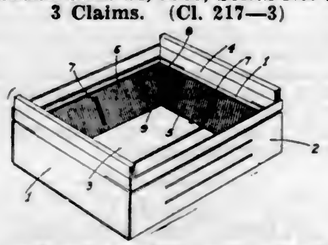
whereas the needle emerges from the work on the other side at the same point.

1,980,279
GRIZZLY
Winfield B. MacBride, Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application September 28, 1932, Serial No. 635,274
5 Claims. (Cl. 209—307)



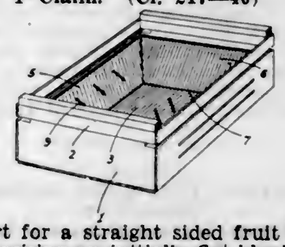
5. A traveling grizzly comprising a plurality of parallel, elongated, transversely extending screening members, extensible means engaging the ends of said members to constitute therewith an endless conveying element, driving means positioned at one loop of said conveying element, and supporting means positioned at the other loop of said conveying element, said driving means being adapted to push on the top flight and to pull on the bottom flight of said conveying element and said supporting means being adapted to retard the speed of travel of the endless conveying element in the direction from the driving means to the supporting means, whereby that portion of said screening members constituting the bottom flight are separated into positions of mutual remoteness and the portion of said screening members constituting the top flight are forced into positions of mutual proximity.

1,980,280
LINER FOR GRAPE SHIPPING BOXES
John D. Martin, Fresno, Calif.
Application June 24, 1933, Serial No. 677,477
3 Claims. (Cl. 217—3)



1. In combination with a vertical-walled grape shipping box, a side and end liner for such box comprising initially separate pairs of strips to extend the full length and width of the box and means formed with the strips for interlocking engagement at their adjacent ends in a manner to cause the strips to be disposed with an inward slope toward their lower ends.

1,980,281
CONTAINER FOR PACKING AND SHIPPING FRUIT
John D. Martin, Fresno, Calif.
Application July 30, 1934, Serial No. 737,604
1 Claim. (Cl. 217—40)

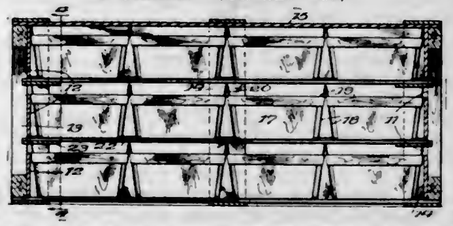


An insert for a straight sided fruit box, such insert comprising an initially flat blank of semi-rigid cardboard, the blank comprising a central element of the shape of the box bottom but of lesser dimensions, edge extensions on the central element, the blank being scored at the junction of the extensions with the central element, the extensions being of such width that when the blank is initially laid on top of the box the extensions will rest across the top edge of the box, the stiffness of the blank coupled with the scoring forming a yieldable spring-like connection between the central element and the extensions whereby when the central element is pressed from the top plane of the box to rest on the bottom thereof the extensions will drag frictionally over the top edges of the walls of the box and come to rest with the top edges of the extensions in close frictional engagement with the inner surfaces of the walls of the box.

1,980,282
METHOD OF PROTECTING MAGNESIUM AND HIGH GRADE MAGNESIUM ALLOYS FROM THE ACTION OF CORRODING AGENTS
Josef Martin Michel, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application April 1, 1931, Serial No. 527,044. In Germany April 4, 1930
4 Claims. (Cl. 148—6)

4. The method of counteracting the corroding influence of liquid medium upon magnesium and magnesium alloys which are in contact therewith, by adding to said medium alkali sulphide in amount sufficient to prevent substantial corrosion of the metal.

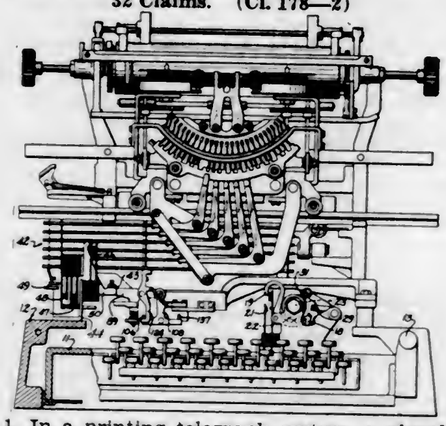
1,980,283
SHIPPING CONTAINER
Julien C. Miller, Paducah, Ky., assignor to Paducah Box and Basket Company, Paducah, Ky., a corporation of Kentucky
Application April 9, 1934, Serial No. 719,764
4 Claims. (Cl. 217—40)



1. In combination, a shipping crate for fruit receptacles such as berry baskets, said crate hav-

ing vertical side and end walls with openings in said end walls, baskets adapted to be arranged in two superposed layers in said crate, vertical projections extending above the rims of said baskets, and a divider or partition member interposed between said two superposed layers of baskets, said divider being supported entirely by said vertical projections on the baskets, the ends of said divider constituting extended bearing surfaces for the projections of the baskets, said bearing surfaces extending beyond said projections into the openings in the end walls of the crate.

1,980,284
SIGNALING SYSTEM AND APPARATUS THEREFOR
Sterling Morton, Chicago, Howard L. Krum, Kenilworth, and Edward E. Kleinschmidt, Highland Park, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application July 11, 1930, Serial No. 467,352. Patent No. 1,904,164, dated April 18, 1933. Divided and this application May 31, 1932, Serial No. 614,364
32 Claims. (Cl. 178—2)



1. In a printing telegraph system, a plurality of stations, a transmitting and a receiving mechanism at each station, and means associated with each station for interrupting effective transmission from a remote transmitting station and invariably and automatically conditioning the receiving mechanism at the said transmitting station for message reception purposes.

1,980,285
PROJECTION SCREEN
David F. Newman, Freeport, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware
Application April 25, 1929, Serial No. 358,166
9 Claims. (Cl. 88—24)



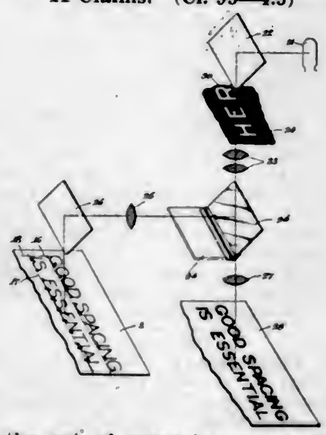
2. A structure adapted to serve as a diaphragm in the reproduction of sound and for the display of representations upon passage of a light beam therethrough, said structure comprising a body, light-diffusing material determining the translucency of said body to a selected degree, and loading material for causing said structure to effect satisfactory reproduction of sound waves.

1,980,286
PROJECTION SCREEN
David F. Newman, Freeport, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware
Application May 13, 1930, Serial No. 452,133
5 Claims. (Cl. 88—24)



1. A projection screen comprising a body including gelatinous material, glycerine and a liquid principally, and material having combined light-diffusing and screen-curing properties incorporated in said body.

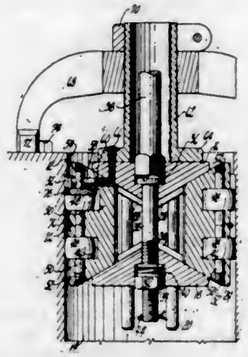
1,980,287
METHOD OF PRODUCING COMPOSITIONS
Ashley G. Ogden, Miami, Fla., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application April 12, 1933, Serial No. 665,757
11 Claims. (Cl. 95—4.5)



1. In the art of preparing compositions, the method which comprises marking on a layout sheet the areas assigned to successive letters of a composition to thereby form a predetermined layout, and projecting images onto a light-sensitive surface in accordance with the designations of said predetermined layout.

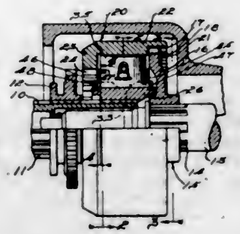
1,980,288
CYLINDER RIDGE REAMER
Carl A. Olson, Clarinda, Iowa, assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa
Application April 11, 1932, Serial No. 604,481
4 Claims. (Cl. 77—2)

1. In a ridge reaming tool, a body member, a carrier member arranged for movement laterally with respect to the body member, a cutting element carried by said carrier member, yielding compression means acting to urge said cutting element outwardly toward the work, means for rotating the tool in a cylinder, a part on said carrier member adapted to engage the cylinder wall below a ridge thereon as the tool is rotated, to limit outward movement of the cutting ele-



ment under the influence of said yielding means, a stationary support, and a threaded connection between said tool and the support for causing the tool to be advanced in the cylinder as it is rotated to remove said ridge and form the portion of the cylinder wall in registry therewith, with the same contour as the portion below said ridge.

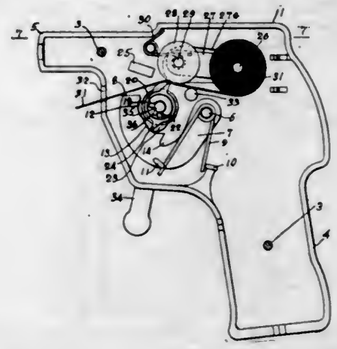
1,980,289
CLUTCH
William C. Osterholm, Oak Park, Ill.
Application March 28, 1932, Serial No. 601,497
22 Claims. (Cl. 192—41)



18. A clutch comprising inner and outer members, and a blade disposed between such members in a normally biased position, said blade having circumferentially offset portions at one edge to provide an edge contacting face which is curved transversely to the axial plane of the blade.

1,980,290
TOY WEAPON
Edward Sutton Peake, Westerville, Ohio, assignor to The Kilgore Mfg. Company, Waterville, Ohio, a corporation of Ohio
Application May 6, 1932, Serial No. 609,702
21 Claims. (Cl. 42—57)

12. In a weapon, a casing, an anvil in the casing, a hammer pivoted in the casing, means tending to hold the hammer against the anvil, said hammer having a cam surface and a notch adjacent thereto, and a rotatable member having projections thereon, one projection acting to feed a strip of ammunition while another first engages the cam surface to remove the hammer from the

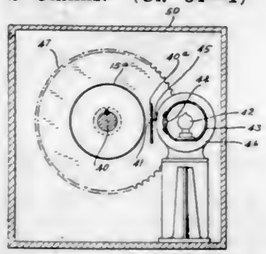


anvil and thereafter drops into the notch to release the hammer.

1,980,291
BARBER CHAIR OR THE LIKE
Morris Pelavin, Detroit, Mich.
Application February 6, 1931, Serial No. 513,950
Renewed April 11, 1934
1 Claim. (Cl. 155—25)

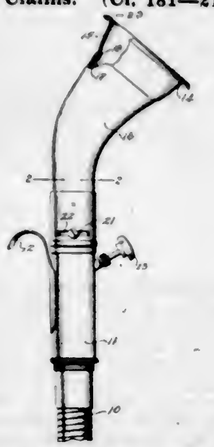
A barber chair adjustable for adults and children comprising, a seat support, seat cushions carried by the support and located around its edges leaving a substantially central opening, centrally located means supporting the seat support for vertical adjustment, another seat cushion having a shape such as to substantially fit together with the first mentioned seat cushions, the said central opening and adapted to form, a full seat for an adult, a rack secured to the second mentioned seat cushion near one edge thereof and depending therefrom, a guide tube carried by the seat support and extending through the same and depending along side of the centrally located supporting means and in which the rack is guided for vertical reciprocable movement, a pinion for reciprocating the rack in the tube, operating means for actuating the pinion whereby the second named cushion may be moved to a position elevated as regards the first mentioned seat cushions to form an elevated child's seat, and means for locking the pinion against movement, said second named seat cushion being movable into said central aperture so that its upper surface is substantially flush with the upper surfaces of the first mentioned seat cushions when all of said cushions cooperate to form an adult's seat.

1,980,292
METHOD AND APPARATUS FOR PRODUCING MUSICAL SOUNDS
Ralph K. Potter, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 5, 1928, Serial No. 317,379
2 Claims. (Cl. 84—1)



1. Mechanism for making a lattice of the character described comprising a light source, means for rotatably mounting a lattice cylinder having thereon a light sensitive emulsion, an element directing a light beam from said source upon said cylinder of substantially the width of the lattice band and means for interrupting said beam at a predetermined frequency.

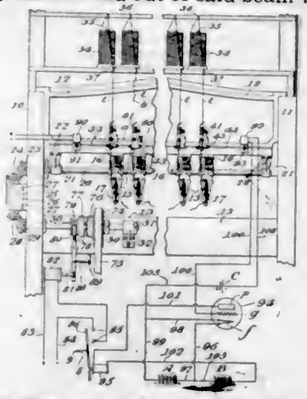
1,980,293
MOUTHPIECE
Henry P. Roberts, Brooklyn, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York
Application April 19, 1926, Serial No. 102,946
Renewed July 16, 1932
10 Claims. (Cl. 181—21)



9. A sound collector for dictating machines having a body portion of nitro-cellulose, a lip portion made of nitro-cellulose having a thickness substantially greater than the thickness of the body portion, said lip portion being secured to said body portion to form therewith a substantially integral structure.

1,980,294
AUTOMATIC STOP MECHANISM FOR MACHINES
Frederick N. Ross, Grosse Pointe Park, and Horace L. Johnson, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 11, 1932, Serial No. 628,384
6 Claims. (Cl. 112—219)

6. In a machine having a working instrumentality supplied with a thread or the like, the combination therewith of a light sensitive device, a light source arranged to throw a beam of light upon said light sensitive device, a shutter normally held by said thread out of said beam but adapt-



ed upon failure of said thread to interrupt said beam, and means controlled by said light sensitive device for stopping said machine when said beam is interrupted.

1,980,295
STRIKER FOR LATCHES
William Schnell, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 28, 1932, Serial No. 640,044
4 Claims. (Cl. 292—340)

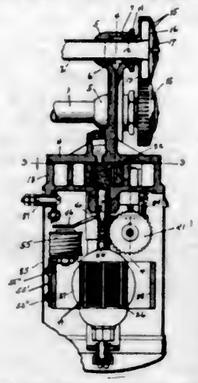


1. A striker for a latch comprising an anchor plate adapted to be mounted on a support by headed elements extending through the plate and into the support, a striker member having a base for fitting over the anchor plate for concealing the heads and having a body portion projecting therefrom for cooperating with another latch member, said anchor plate and striker member having interfitting dovetail shaped projection and recess formations for holding the two together, and also having aligned apertures positioned in close proximity to the projecting body of the striker member, said aligned apertures being adapted to receive a screw or the like passing therethrough and into the support for holding the striker member from movement relative to the anchor plate which would tend to disconnect them, whereby the head of said screw or the like is substantially concealed by the body of the striker member.

1,980,296
WARNING SIGNAL
Theodore J. Scofield, Asen C. Gregoroff, Fred W. Billig, and William Sparks, Jackson, Mich., assignors to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application January 17, 1929, Serial No. 333,088
20 Claims. (Cl. 177—7)

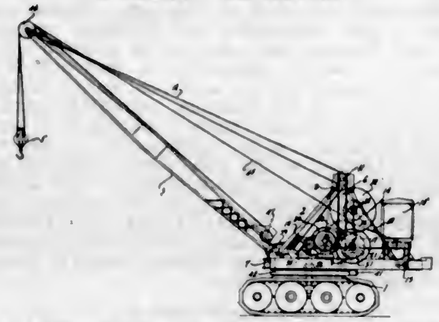
1. In a device of the class described, a plurality of sound resonant devices, a supply of air under pressure, a connection between each sound

resonant device and the air under pressure, valves in such connections, a motor, mechanical means actuated by the motor for actuating the valves



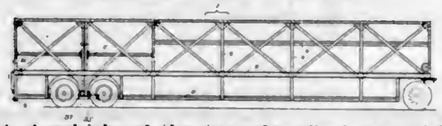
in predetermined or successive order, and electromagnetically operated means for actuating the valves in unison.

1,980,297
HOISTING MECHANISM
Harry E. Scott, Cleveland Heights, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application July 6, 1931, Serial No. 548,776
5 Claims. (Cl. 212—38)



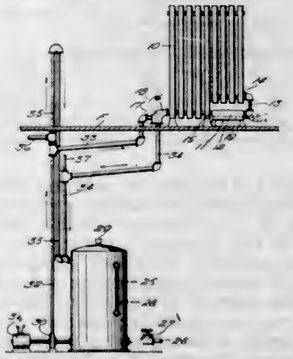
4. Hoisting mechanism, comprising a frame, a boom carried thereby, a two-end hoisting cable having a load carrying loop depending from the boom, and operating means therefor, comprising a winding drum for one end of said cable provided with the usual high speed driving and friction brake mechanism, a supplemental winding drum for the other end of said cable, and positive low speed driving means therefor including clutch mechanism and a worm and worm gear connection adapted to drive from the power source to the drum but inoperative and hence self-locking against drive in the reverse direction.

1,980,298
VEHICLE TRANSPORT
Roy B. Simning, Minneapolis, Minn.
Refiled for abandoned application Serial No. 396,910, October 2, 1929. This application February 12, 1934, Serial No. 710,950
10 Claims. (Cl. 280—179)



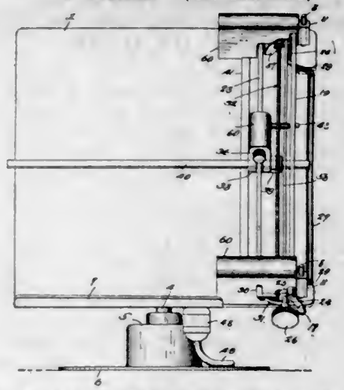
4. A vehicle of the type described comprising in combination a highway vehicle carrying vehicle, supporting and guiding tracks for the carried vehicles during transportation, and means attachable to the vehicle and cooperatively associated with the tracks for holding the carried vehicles depressed as they traverse under their own power the tracks.

1,980,299
HEATING SYSTEM
George C. Smith, Hamilton, Ontario, Canada
Application May 1, 1933, Serial No. 668,699
10 Claims. (Cl. 237—16)



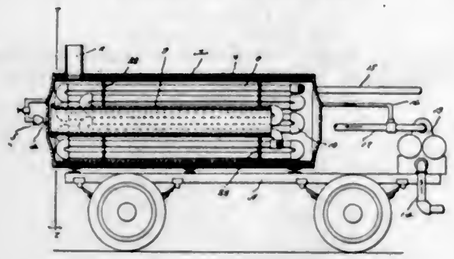
9. In a vapor heating system, a radiator, a water reservoir in vapor circulating communication with the radiator, a heater in the reservoir for evaporating water held therein, means for constantly supplying water to the reservoir during the operation of the heater, and an overflow drain leading from the reservoir to remove excess supply water and maintain water level of the reservoir substantially constant.

1,980,300
COPYHOLDER
Frank M. Sperling, Bristol, Pa.
Application March 7, 1934, Serial No. 714,495
6 Claims. (Cl. 120—34)



1. In a device of the class described, a table, means for supporting the table, a guiding means secured directly to the table, in spaced relation to the supporting means and extended upwardly from the table, a frame vertically movable on the guiding means, mechanism supported by the table and under the control of an operator and operatively engaged with the frame to raise and lower the frame on the guiding means and with respect to the table, a line-finder cooperating with the table, and means for mounting the line-finder on the frame for movement longitudinally of the frame and of the table.

1,980,301
OIL HEATER
William A. Stewart, Helena, Mont.
Application August 20, 1932, Serial No. 629,705
Renewed April 9, 1934
2 Claims. (Cl. 122—248)



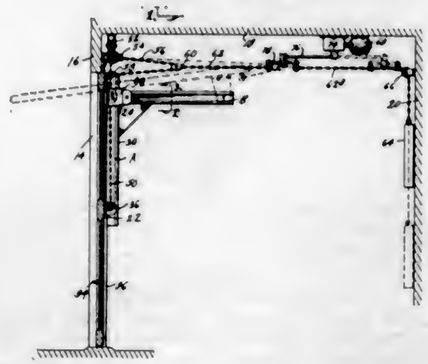
1. Means for heating oil used on road surfaces comprising a truck, a housing of cylindrical form supported in a horizontal position on the truck, one end of the housing having a small opening therein, a centrally arranged elongated tube located in the housing and having one end arranged close to the opening in the end of the housing and its other end spaced an appreciable distance from the other end of the housing, a burner for projecting flames through the opening in the end of the housing into the tube, said tube being of sufficient length whereby the flames will be extinguished before the products of combustion pass from the tube at that end opposite the end in which the flames are introduced, coils arranged in the housing and surrounding the tube and projecting beyond the outlet end of the tube and a chimney member connected to the top of the housing adjacent that end which has the opening therein and means for forcing the oil through the coils.

1,980,302
FISHING LINE FLOAT
James W. Taylor, Denton, Tex.
Application May 31, 1933, Serial No. 673,737
1 Claim. (Cl. 43—49)



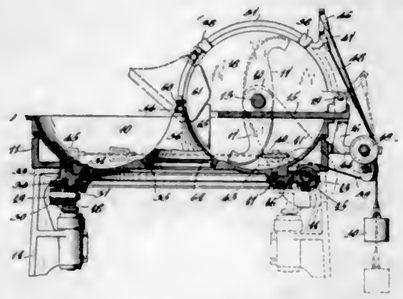
A device of the class described comprising a float, a spiral spring clip embracing the lower end portion of the float and having its upper convolution formed into a retention finger, the lower end portion thereof being directed laterally and formed into an attaching loop, said loop being seated against the lower end of the float, and a straight pin passing into the lower end of the float through said loop, said pin terminating at its lower end in a guide eye for the line, said eye contacting the loop.

1,980,303
AWNING DOOR
Rutherford E. Thompson, Des Moines, Iowa
Application July 29, 1932, Serial No. 625,818
1 Claim. (Cl. 20—19)



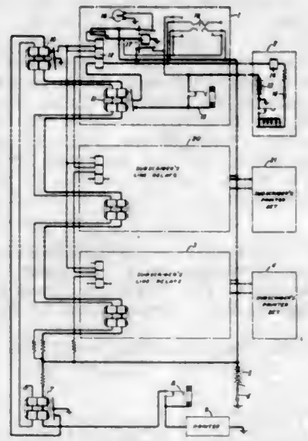
In a door structure, a door frame, a vertical guide track attached at the side thereof, said guide track comprising an inwardly opening channel having one side wall of greater width than the other or opposed side wall and each side wall terminating in a vertical flange extending inwardly of the channel, thereby forming a pair of guide elements spaced apart in both horizontal directions, a door and a pair of grooved rollers attached at the side of said door and engaging the respective guide elements and adapted for travel thereon, said rollers engaging the respective vertical flanges of said guide element and being caused by such engagement to rotate oppositely to each other during upward or downward travel of the rollers.

1,980,304
MEAT CUTTING MACHINE
Adrian C. Van Hooydonk, Buffalo, N. Y., assignor to John E. Smith's Sons Company, Buffalo, N. Y., a corporation of New York
Application July 18, 1932, Serial No. 623,041
7 Claims. (Cl. 146—67)



4. In a machine of the character described, the combination of a rotary bowl having a discharge opening therein, a support suspended over the bowl for movement toward and from the same to assume a position in alinement with said opening and to an elevated position over the same, a closure revolvably mounted on said support and engageable with said discharge opening in one position thereof, and a scraper disposed in spaced relation over said opening and engageable with the closure in the elevated position of its support.

1,980,305
TELEGRAPH SWITCHING SYSTEM
Allan Weaver, Port Washington, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 7, 1933, Serial No. 665,000
9 Claims. (Cl. 178—2)



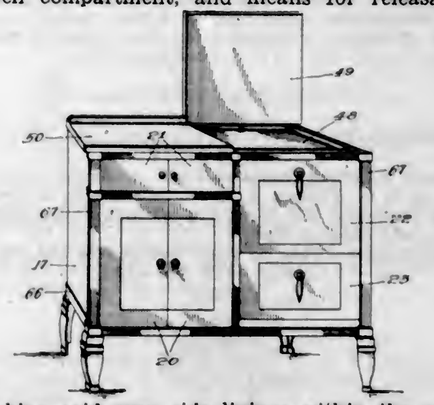
1. A telegraph broadcasting system having a switchboard at a broadcasting station, a plurality of stations connectible thereto, and instrumentalities at the switchboard for disassociating a station from the telegraph broadcasting system, said instrumentalities being capable of being operated by the operator at the station desiring to be disassociated regardless of whether alternate marking and spacing impulses are being transmitted over the telegraph broadcasting system.

1,980,306
MIXED CELLULOSE ESTERS
Adolf Weihe and Kurt Thinius, Eilenburg in Sachsen, Germany, assignors to Deutsche Celluloid-Fabrik, Eilenburg in Sachsen, Germany, a corporation of Germany
No Drawing. Application February 18, 1931, Serial No. 516,831. In Germany February 24, 1930
14 Claims. (Cl. 260—101)

1. The process which comprises treating nitrocellulose in a reaction mixture containing in statu nascendi hydrogen chloride and a fatty acid chloride.

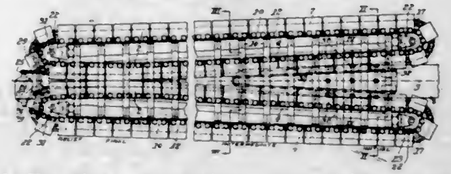
1,980,307
RANGE
George D. Wilkinson, Oak Park, and Elmer D. Pellegrin, Des Plaines, Ill., assignors to Cribben & Sexton Company, Chicago, Ill., a corporation of Illinois
Application July 1, 1931, Serial No. 548,196
11 Claims. (Cl. 126—39)

1. In combination with a range having an oven compartment, a removable closure for the top of said oven compartment, oven side-linings adapted to be removed through the top of said oven compartment, and means for releasably



locking said oven side linings within the oven compartment.

1,980,308
METHOD AND APPARATUS FOR FORMING MATERIAL
James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio
Application May 23, 1929, Serial No. 365,323
37 Claims. (Cl. 153—32)



1. Forming apparatus, comprising means adapted to cooperate with the opposite edges of a piece of skelp, said means extending in gradually converging relationship, and at least one of said means comprising a series of longitudinally traveling curling dies adapted to progressively curve one edge of the skelp into the desired shape, and driving mechanism for said last mentioned means, there being means within the zone of operation of said dies for positioning the skelp relatively to said curling dies and maintaining the same in desired position, to insure uniform forming of the skelp.

3. In the method of forming tubular articles, the steps comprising feeding a piece of skelp into engagement with forming means, continuously moving said forming means while in contact with the skelp to progressively and uniformly form one edge thereof by causing such edge to slide over successive portions of such forming means, and holding the opposite edge during such sliding operation.

1,980,309
COATED FABRIC AND METHOD OF MAKING SAME
Arthur M. Agnew, Maplewood, N. J., assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y., a corporation of West Virginia
No Drawing. Application January 22, 1929, Serial No. 334,369
28 Claims. (Cl. 91—70)

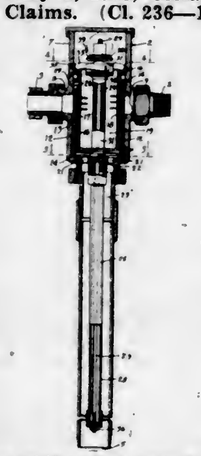
1. A coated material of the oil cloth type comprising a suitable base material and a flexible

coating thereon having a crinkled surface obtained without mechanical embossing, said coating comprising heat treated China wood oil, a semi-drying oil selected from the group of soya bean oil and fish oil and a suitable filler.

1,980,310
THERMOSTATICALLY-CONTROLLED FLUID MIXING UNIT

George E. Ames, Oakland, Calif., assignor of one-fourth to William E. Joost, one-fourth to Leon A. Rice, and one-fourth to William J. Vaughan, all of Oakland, Calif.

Application July 3, 1933, Serial No. 678,894
2 Claims. (Cl. 236—12)



1. In a device of the character described, a mixing chamber portion with separate inlets for admitting relatively hot and cold fluids to the chamber portion, a valve unit in said chamber portion displaceable to decrease the flow from one inlet and automatically and correspondingly increase the flow from the other, a chamber portion into which the liquid from the first chamber portion empties, a perforated partition separating said chamber portions, manually controlled means to move said valve unit to its different displaceable positions, a tubular thermostatic element fixed at one end thereof to said partition and extending into said second chamber portion, a rod secured to the other end of said element and extending centrally therethrough and through said partition and connected to said valve unit and operative on variation of the temperature in said chamber portion to move said means to displace said valve unit.

1,980,311
COP OR QUILL

G. Albert Anderson, Attleboro, Mass., assignor to Lewis R. Smith, receiver of the Apco Mossberg Corporation, a corporation of Massachusetts

Application July 20, 1931, Serial No. 551,925
1 Claim. (Cl. 242—120)

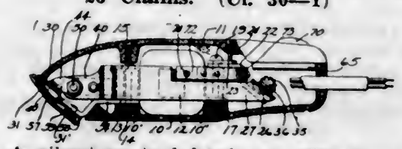


As an improved article of manufacture, an all-metal cop or quill, comprising a relatively thin metallic stem and a relatively thick metal cone, and means interlocking the same into a substantially rigid unitary structure, both stem and cone having a plurality of exterior grooves formed therein, and a pulley portion comprising two rustless metallic members cooperating to form the pulley, and to interlock the stem and cone.

1,980,312
POWER DRIVEN VIBRATOR

Mathew Andis, Racine, Wis.

Application April 9, 1934, Serial No. 719,801
23 Claims. (Cl. 30—1)

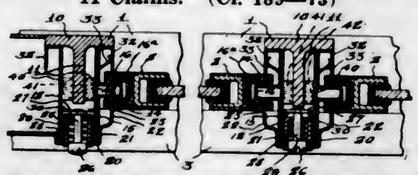


1. A vibratory tool having a vibratory actuating arm secured to the tool at one end and pivotally supported at the other end for movement about an axis perpendicular to the plane in which the tool vibrates, said tool being movable in a plane oblique to the plane in which the arm vibrates, and the pivoted portion of the arm being substantially parallel to the plane in which the tool vibrates, whereby the tool may be positively guided in a plane oblique to that in which the intermediate portion of the arm vibrates.

1,980,313
WINDOW POST AND GUIDE CONSTRUCTION

Roy T. Axe, Syracuse, N. Y., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., a corporation of New York, trustee

Application May 18, 1931, Serial No. 538,150
11 Claims. (Cl. 189—73)

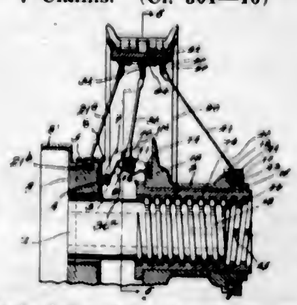


9. In a window construction, a frame including posts, sash guiding and holding means on the posts, a sash coacting with the same, the post having an angular offset flange on the sash side of the post and spaced apart from the major part of the post, and a sash guiding and holding means including a member having a flange extending under said offset and provided with spring tongues for coacting with the same.

1,980,314
AUTOMOBILE WHEEL

Domingo Barreres, New Britain, Conn., assignor of one-half to Antonio Cardona, New Britain, Conn.

Application December 22, 1931, Serial No. 582,581
7 Claims. (Cl. 301—16)

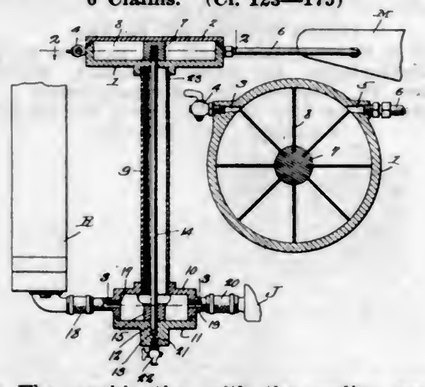


1. A wheel of the class described comprising a hub section, a plurality of rim sections, expander means interposed between said rim sections, links for limiting the movement of said expander means with respect to said rim sections, and means connecting said hub sections together and engaging said rim sections for contracting and expanding said rim sections as said hub section is shifted.

1,980,315
CIRCULATOR

Ben Bohnenblust, Riley, Kans.

Application July 21, 1933, Serial No. 681,587
6 Claims. (Cl. 123—175)

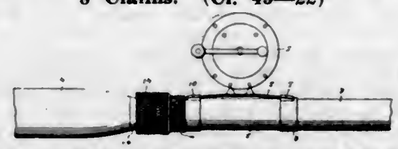


2. The combination with the cooling system of an engine including a casing having a water inlet port and a water outlet port, and an impeller mounted for rotation between the ports, of vacuum operated means for actuating the impeller.

1,980,316
REEL MOUNT FOR FISHING RODS

Frederick W. Breder, Houston, Tex.

Application January 13, 1933, Serial No. 651,595
8 Claims. (Cl. 43—22)



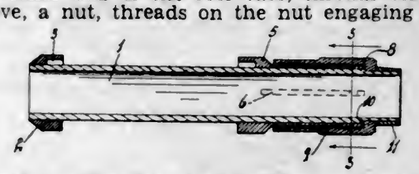
1. A reel holder comprising a cap adapted to receive one end of a reel base, a second cap movable towards and away from the said first mentioned cap for receiving and securing the other end of the reel base, a collar connected with said movable cap, said collar having external screw threads, a rotatable collar internally threaded, the threads thereof adapted to engage with the external threads on the first mentioned collar to cause the latter to be advanced towards and to be retracted from the first mentioned cap, means for preventing the movable cap from rotating relative to the first mentioned cap, and means for preventing motion of said rotatable collar towards or away from said first mentioned cap, while permitting rotation of said rotatable collar.

1,980,317
REEL SEAT

George H. Clark and Rex E. Yates, Long Beach, Calif., assignors to Frederick W. Breder, Houston, Tex.

Application June 17, 1932, Serial No. 617,688
2 Claims. (Cl. 43—22)

1. A reel seat comprising a shaft, means on said shaft for receiving one end of a reel base, a sleeve slidably and non-rotatably mounted on the shaft, said sleeve having means to receive the other end of the reel base, threads on the sleeve, a nut, threads on the nut engaging the

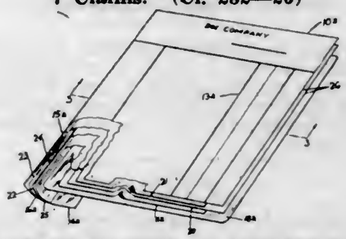


threads on the sleeve, a shoulder on the shaft, said nut engaging the shoulder, and a ring secured to the shaft and butting against the nut whereby the nut is held against longitudinal movement on the shaft.

1,980,318
COMPOUND RECORD ASSEMBLY

William Donovan Caton, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada

Application June 15, 1932, Serial No. 617,323
Renewed April 4, 1934
7 Claims. (Cl. 282—26)



1. A pliable manifolding assembly including, in combination, a pliable binding stub in which a record leaf is bound, said record leaf having a weakened severance line for detachment from the stub, a transfer leaf overlying said record leaf at the outside of the assembly for receiving an overlying record sheet and having its transfer surface in transfer contact with the record leaf so as to transfer inscriptions to the latter, said transfer leaf being bound in said stub and being unweakened corresponding to the weakening of the record leaf so as to effect selective detachment of the leaves from the stub, and a reversely folded supporting and guiding tab positioned at one edge of the assembly for supporting an additional record unit in manifolding relation with the leaves of the assembly.

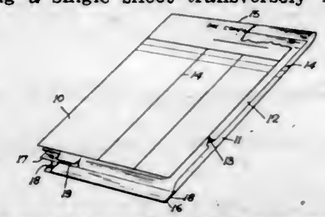
1,980,319
MANIFOLDING RECORD

William Donovan Caton, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada

Application June 15, 1932, Serial No. 617,324
Renewed April 4, 1934
5 Claims. (Cl. 282—26)

1. A pliable manifolding assembly including, in combination, a plurality of record leaves attached together and positioned in superposed manifolding relation, a pliable binding stub positioned near the bottom or rear end of the assembly and separated from one of said record leaves by a weakened severance line, and a transfer leaf positioned in transfer relation with the record leaves and attached to said stub at points positioned wholly beyond said severance line from the forward end of the assembly, and being otherwise free from attachment with the assembly, whereby the transfer leaf is freed from attachment with the assembly upon severance of the

stub along said severance line, said record leaves including a single sheet transversely folded to



form a protective envelope at the forward end of the assembly in which the forward end of the transfer leaf is received.

1,980,320

CABLE

Philip H. Chase, Bala-Cynwyd, Pa.

Application October 17, 1929, Serial No. 400,283
19 Claims. (Cl. 173—266)



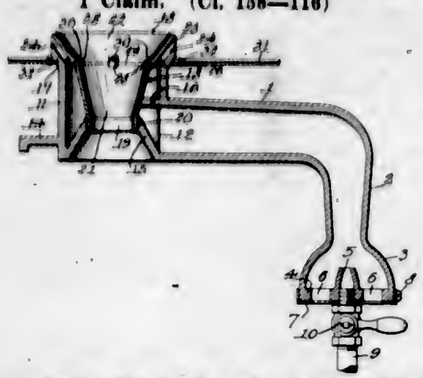
1. A cable comprising a sheath, a plurality of conductors therein, a series of expansible tubes between said conductors, said tubes being spaced from one another and spacing means located between the tubes adapted to space the tubes and the conductors.

1,980,321

GAS BURNER

Thomas A. Coleman, Carbondale, Pa.

Application August 10, 1933, Serial No. 684,584
1 Claim. (Cl. 158—116)



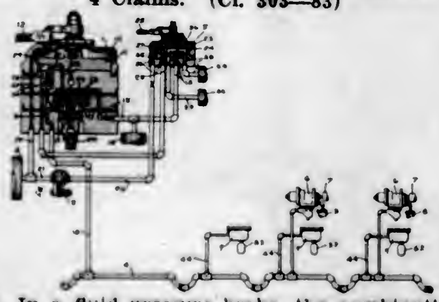
In a device of the class described, a tubular body provided at one end with controlled means for the admission of gas and primary air, the body being provided at its opposite end with an enlarged tubular casing arranged approximately at right angles to the body, there being an inlet where the body and the casing are joined together, the casing having a flared top and having an inverted funnel-shaped secondary air inlet member at its lower end, located within the casing and in the path of the mixture of gas and primary air entering the casing by way of the first-specified inlet; and a tubular inner member in the casing and having its lower end mounted on the upper end of the secondary air inlet member, said tubular inlet member including an upwardly flared intermediate portion and an upwardly flared top, there being ribs between the top of the inner member and the flared top of the casing and forming combustion orifices, the casing being provided with an imperforate partiCircumferential internal rib located directly above the first-specified inlet and projecting toward the intermediate portion of the tubular inner member, the internal rib overhanging a portion of the funnel-shaped secondary air inlet member, the internal rib being located between the first-specified inlet and the combustion orifices that are immediately above said inlet, all portions of said internal rib being disposed approximately at right angles to the axis of the funnel-shaped air inlet member.

1,980,322

FLUID PRESSURE BRAKE

Earle S. Cook, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 23, 1932, Serial No. 624,247
4 Claims. (Cl. 303—83)



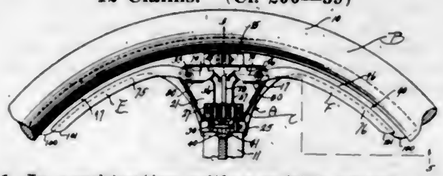
1. In a fluid pressure brake, the combination with a feed valve device, a brake pipe, an equalizing reservoir, a brake valve device normally establishing communication through which fluid under pressure from the feed valve device is supplied to the said brake pipe and equalizing reservoir and valve mechanism included in the brake valve device and operated upon a reduction in pressure in the equalizing reservoir for venting fluid under pressure from the brake pipe to effect an application of the brakes, of a second brake valve device normally establishing a communication through which fluid is supplied from the feed valve device to the communication in the first mentioned brake valve device and operable to close the communication from the feed valve device to the first mentioned brake valve device and to effect successive reductions in equalizing reservoir pressure, and means for limiting the degree of each reduction in equalizing reservoir pressure.

1,980,323

STEERING WHEEL SIGNAL OPERATING SWITCH

William J. Cronan, Wethersfield, Conn.

Application March 9, 1928, Serial No. 260,475
Renewed August 17, 1931
12 Claims. (Cl. 200—59)



1. In combination with a vehicle steering column having a steering wheel attached therewith including spokes and a rim, a complete switch connected with a spoke of the steering wheel including a long movable operating member arcuately extending in substantial parallelism closely along the inner periphery of the rim in

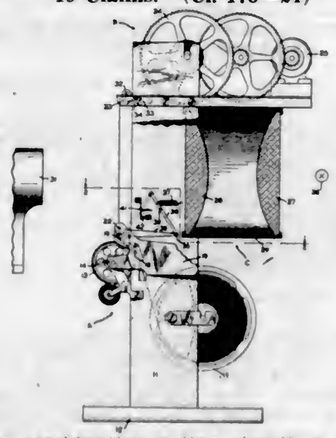
a position to be grasped and moved for closing the switch incident to a normal grasp of the vehicle steering wheel rim when making a turn of the vehicle.

1,980,324

WEB CONTROLLING MECHANISM FOR PAGE PROJECTORS

Robert F. Dirkes, Jamaica, N. Y., and Rollins Wentworth, Montclair, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 10, 1931, Serial No. 574,198
19 Claims. (Cl. 178—24)



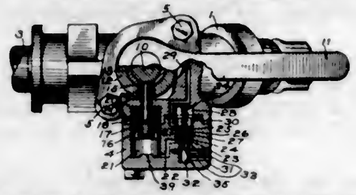
1. In combination a line circuit, a telegraph printer operable by signals transmitted over said line circuit, means for advancing a printed web from the printer, means for forming a loop in said advanced portion of the web and means responsive to line signals and independent of the size of said loop for causing a diminution of said loop.

1,980,325

LOCKING ANGLE COCK DEVICE

Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 13, 1933, Serial No. 670,875
17 Claims. (Cl. 251—164)



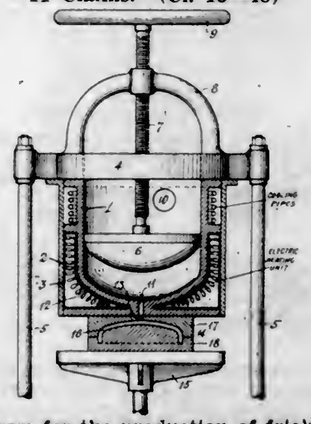
1. In a cock device, the combination with a casing having a communication through which fluid under pressure is adapted to flow, of means operable to one position to close said communication and operable to another position to open said communication, means subject to fluid under pressure for locking the first mentioned means in the second mentioned position when there is fluid under pressure in said communication and operable upon the relief of the pressure of fluid for unlocking the first mentioned means, valve means operable to relieve the second mentioned means of the pressure of fluid while said communication is charged with fluid under pressure, and means insertable in said casing for actuating said valve means.

1,980,326

MOLDING MATERIAL AND MOLDED ARTICLES AND METHOD OF MAKING THE SAME

Arthur Eichengrün, Charlottenburg, Germany, assignor to Celanese Corporation of America, a corporation of Delaware

Application September 30, 1927, Serial No. 223,121
In Germany May 20, 1927
11 Claims. (Cl. 18—48)



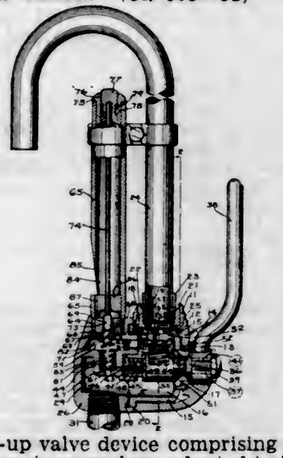
8. Process for the production of friable, moldable material which comprises forcing a doughy mass of organic derivative of cellulose, a plasticizing agent and solvent through a restricted passage by pressure applied to said doughy mass while the same is contained in an enclosed space, applying heat of a vaporizing temperature to said mass and permitting a sudden evaporation of the solvent from the heated mass issuing from the restricted passage, transforming the said dry friable mass into a disintegrated mass, subjecting the disintegrated mass to heat and pressure, forcing the heated pressed material into a mold maintained at ordinary atmospheric temperature and removing the finished article from the mold immediately.

1,980,327

BACK-UP VALVE DEVICE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 7, 1932, Serial No. 621,237
2 Claims. (Cl. 303—51)



1. A back-up valve device comprising a pair of cooperating casing members adapted to be joined

by a fluid-tight seal and containing a chamber having an inlet port and two separate outlet ports, a fluid operated signal device on one casing member operating on fluid supplied through one outlet port, a valve device for controlling the delivery of fluid to said signal device through said outlet port, a second valve device in the other casing for covering and uncovering said other port, an operating member for said second valve device, and a bearing in each casing member for rotatably supporting said operating member and disposed on opposite sides of said second valve device.

1,980,328

LOAD BRAKE DEVICE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 2, 1933, Serial No. 668,943

4 Claims. (Cl. 188—195)



1. The combination with a brake cylinder having a push-rod operated by fluid under pressure to supply braking power, a live cylinder lever connected to one end of said push-rod, and a brake applying member connected to said lever, of a fulcrum member, fulcrum means for the lever comprising a plurality of eccentric members rotatably carried by said fulcrum member, a plurality of tension members operatively connected to said eccentric members and to said cylinder lever at different fulcrum points, and means for rotatably positioning said eccentric members for selectively rendering said tension members effective, one at a time, to provide the fulcrum for said lever.

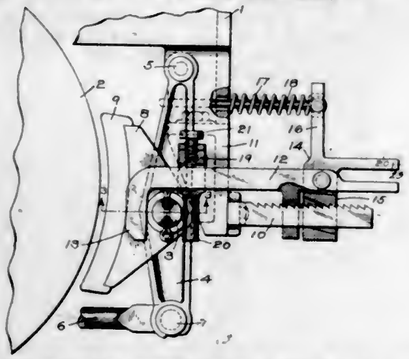
1,980,329

BRAKE SHOE CLEARANCE ADJUSTER

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 6, 1933, Serial No. 669,756

9 Claims. (Cl. 188—200)



1. In a brake rigging for railway car trucks, the combination with a truck frame and wheels supporting said frame, a brake shoe movable into and out of braking engagement with one of said wheels, means for actuating said shoe, a stop cooperating with said means to limit the movement of the brake shoe away from said wheel in releasing the brakes to provide a predetermined clearance space between the brake shoe and the wheel, a ratchet bar rigidly secured to said frame, and a ratchet pawl engaging said ratchet bar to lock said stop against movement by said means in releasing the brakes, said pawl permitting movement of the stop by said means when the brake shoe is in braking engagement with the wheel.

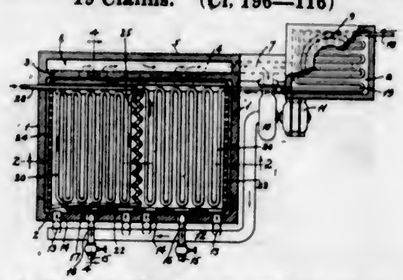
1,980,330

METHOD AND APPARATUS FOR HEATING AND CRACKING OILS

Earle W. Gard, Palos Verdes, and Philip Subkow, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application February 17, 1930, Serial No. 429,179

19 Claims. (Cl. 196—116)



19. A method of heating surfaces of oil containers which comprises generating a plurality of broad, thin, individual, incandescent flames from a plurality of points in alignment, causing said flames to merge to form a broad, continuous sheet of flame substantially as thin as the individual flames and of relatively great superficial area in relation to the volume of gases in said sheet, interposing a blanket of waste combustion gases transparent to radiant heat between said sheet and said surface, the waste combustion gases being under pressure sufficient to prevent said sheet from contacting said surface, and heating said surface substantially solely by radiation from said sheet.

1,980,331

COLD ROLLED IRON CHROMIUM ALLOY ARTICLE

Harry S. George, Massapequa, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application December 21, 1928, Serial No. 327,750

8 Claims. (Cl. 148—31)

1. A ductile article consisting of an iron-chromium alloy containing about 8% to 40% chromium having a cold-rolled surface finish and consisting throughout of metal in an annealed condition.

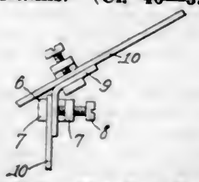
1,980,332

APPARATUS USED IN THE FORMATION OF MODELS OF BUILDING STRUCTURES

Otto Gottschalk, Buenos Aires, Argentina

Application December 12, 1930, Serial No. 501,956

2 Claims. (Cl. 46—35)



1. In a device for connecting the ends of metallic strips used in the formation of models of building structures, a splice bar curved intermediate its ends and positioned against the inner surface of the strips to be connected, and clamping members embracing the overlapped ends of the metallic strips and splice bar whereby the metallic strips may be slid through the clamps and secured in their positions of adjustment.

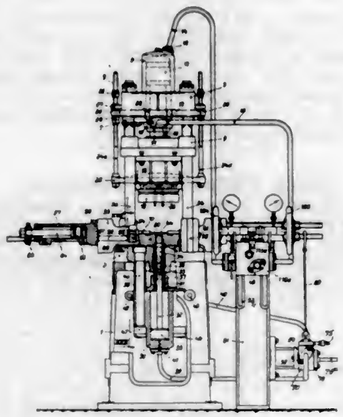
1,980,333

PRESSURE DIE-CASTING MACHINE WITH DEVICE FOR UNIFORMLY CONTROLLING THE MOVABLE PARTS BY MEANS OF GASEOUS AND HYDRAULIC PRESSURE MEDIA

Paul Haessler, Nuremberg, Germany

Application November 27, 1931, Serial No. 577,727

4 Claims. (Cl. 22—92)



1. A pressure die-casting machine with uniform control of the movable parts by means of gaseous or liquid pressure media comprising in combination a base, columns extending vertically upwards from said base, a cross head mounted on said columns, a closing cylinder in said cross head, a working cylinder in said base a bracket at the side of said base having vertical slots, a control element shiftable in said slots, a plate on said bracket, a horizontal guide carriage on said plate, a second control element shiftably mounted on said plate, and pipe connections between said cylinders and said control elements said elements adapted to follow the movement of said cylinders without loosening said pipe connections.

1,980,334

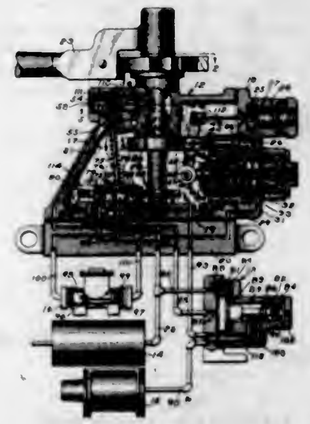
DOOR AND BRAKE VALVE DEVICE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 6, 1932, Serial No. 620,993

11 Claims. (Cl. 303—6.1)

1. In a valve device for controlling the fluid pressure brakes and doors of a vehicle, the combination with a valve mechanism operable to control the brakes, of valve means operable to control the opening and closing of a door of the vehicle, and means operable over a predetermined zone of movement for controlling the operation of said valve mechanism and said valve means whereby said door is held closed and operable to a position beyond one limit of said zone for operating said valve means to effect the opening of the door, said means being also operable upon movement from said position to said zone



limit to operate said valve means to effect the closing of the door.

1,980,335

GASKET CONSTRUCTION

Ellis E. Hewitt, Edgewood, and Ewing K. Lynn, East McKeesport, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 25, 1932, Serial No. 630,364

3 Claims. (Cl. 288—1)



1. A resilient gasket having a plurality of metal inserts secured therein to prevent compression of the gasket proper, and an unconfined rib on one face of the gasket which extends slightly above the faces of the inserts to prevent compression of the rib.

1,980,336

CHUCK RETAINING MEANS

Frank O. Hoagland, West Hartford, Conn., assignor to Pratt & Whitney Company, Hartford, Conn., a corporation of New Jersey

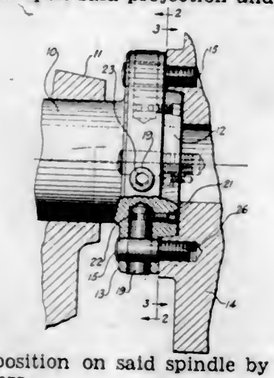
Application May 17, 1933, Serial No. 671,554

12 Claims. (Cl. 82—30)

1. A retaining means for chucks comprising in combination, a spindle having a flange thereon, said flange having openings therein extending parallelly to the axis of said spindle, and rotatable cams mounted within said flange adjacent and intercepting said openings whereby studs outstanding from a chuck mounted on said spindle in one rotative position of the cams may enter the openings and in other rotative positions may be engaged by said cams to retain said chuck rigidly in position on said spindle.

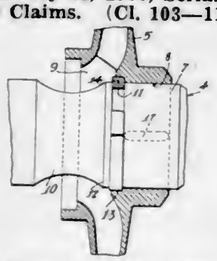
10. A work supporting and rotating device comprising in combination, a spindle, a chuck mounted thereon, said spindle having a flange and an extension on its forward end, said chuck having a recess within which said projection extends and closely engages, studs outstanding from said chuck in a direction parallel to the axis of revolution thereof, abutments formed on said studs, cam locking members rotatably retained within said flange, means to adjust said studs to properly engage said cam locking members with the

abutments on said stud whereby said chuck may be centered upon said projection and rigidly re-



tained in position on said spindle by said studs and members.

1,980,337
IMPELLER MOUNTING
Aladar Hollander, Berkeley, Calif., assignor to Byron Jackson Co., Los Angeles, Calif., a corporation of Delaware
Application July 14, 1933, Serial No. 680,401
9 Claims. (Cl. 103—111)

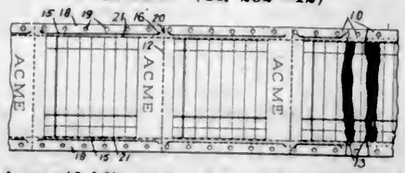


1. In a fluid pump, a shaft having an impeller seating land, a single suction impeller mounted upon the shaft land, said shaft having a section of reduced diameter adjacent the suction inlet passage of the impeller for not only stream-lining but also for increasing the effective area of the impeller fluid inlet passage, said shaft having an annular groove formed in the land adjacent the impeller end of the stream-lined section thereof and said groove having a minimum diameter greater than the minimum diameter of the stream-lined section of the shaft, a split ring keeper mounted in the annular shaft groove for locking the impeller against axial movement in one direction, said impeller having a counterbored section adapted to slide over said keeper for retaining the keeper in its operative position, and key means for causing the impeller to rotate with the snaft.

1,980,338
PURIFICATION AND BLEACHING OF WAXES
Arthur Hough, Passaic, N. J., assignor to Theodor Leonhard Wax Company, Haledon, N. J., a corporation of New Jersey
No Drawing. Application August 17, 1931, Serial No. 557,727
2 Claims. (Cl. 87—19)

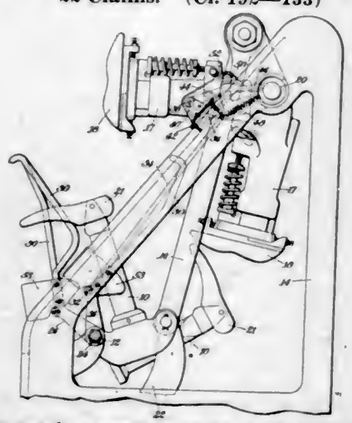
2. A process of bleaching wax which comprises treating the molten wax with an acid mixture comprising a permanganate and phosphoric acid and being diluted with many times its own weight of water, while warm, and containing soluble iron and aluminum compounds, and agitating until the bleaching is sufficiently accomplished.

1,980,339
MANIFOLDING
Arthur A. Johnson, Bridgeport, Conn.
Application May 22, 1931, Serial No. 539,246
6 Claims. (Cl. 282—12)



1. A manifolding pile adapted for use in a typewriting machine comprising a plurality of superposed continuous record strips; a strip of transfer material between each two of said record strips running with, and of the same length as, the latter, said record strips extending at both margins beyond the edges of the transfer strips to form feeding bands; and rows of textile thread stitches running through the pile in each of said feeding bands and extending parallel with the feeding bands, and the carbon strips being confined against lateral movement by said rows of stitches, said rows of stitches being interrupted at points spaced longitudinally of the pile.

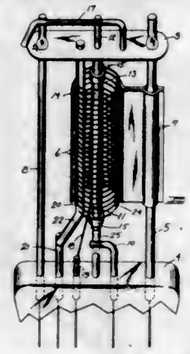
1,980,340
SOLE PRESSING MACHINE
Charles Turner Jones, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 8, 1932, Serial No. 632,152
In Great Britain September 23, 1931
22 Claims. (Cl. 192—133)



1. In a sole-pressing machine, the combination with a shoe support and a cooperating sole-pressing member, said support and member being both movable simultaneously in one direction while also moving relatively to each other to apply pressure to the sole of a shoe on the support, of means movable in a direction opposite to that of the movement of the support and pressing member to prevent the arm or hand of an operator from being caught between the support and the pressing member during the sole-pressing operation.

1,980,341
VACUUM TUBE GRID CONSTRUCTION
Charles J. Kayko and Paul A. Stoll, Jackson, Mich., assignors to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application April 15, 1931, Serial No. 530,262
1 Claim. (Cl. 250—27.5)

A vacuum tube structure comprising an evacuated bulb including a press, a plurality of metallic members held in said press two of which extend substantially the full length of said bulb and the remainder terminating a short distance from said press, an insulating member mounted upon the free ends of said long metallic members, a cathode and heater therefor positioned between said long metallic members, a heater lead-in conductor secured to one of said short metallic members for supporting one end of said cathode, a second heater lead-in conductor extending through said insulating member and secured to one of said long metallic members for



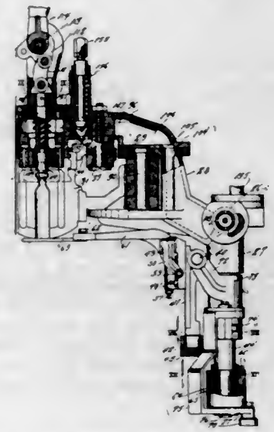
supporting the other end of said cathode, an anode positioned about said cathode and supported by the other of said long metallic members, a grid electrode positioned between said anode and cathode comprising a fine wire helix secured to a support rod extending beyond the ends thereof and having its lower end secured to another of said short metallic members and its upper end extending through said insulating member, and a second rod of smaller diameter disposed at substantially right angles to the turns of said helix and secured only thereto for preventing microphonic action in the tube.

1,980,342
SULPHONATED OILS, FATS OR ACIDS THEREOF AND THE PROCESS OF MANUFACTURING THE SAME
Rudolf Kern, Oschatz, Germany, assignor to the firm Chemische Fabrik R. Baumheier Aktiengesellschaft, Zscholiau, near Oschatz, Germany
No Drawing. Application August 4, 1931, Serial No. 555,147. In Germany August 6, 1930
4 Claims. (Cl. 87—12)

4. The herein described process of manufacturing sulphonated oils, fats or acids thereof, which consists in treating non-sulphonated oils, fats, or acids having unsaturated linkages with sulphuric acid in which at least one atom of hydrogen has been substituted by a substance selected from organic groups consisting of alkyls, aryls, acyls, and the substituents thereof, and subsequently adding at least one condensation agent.

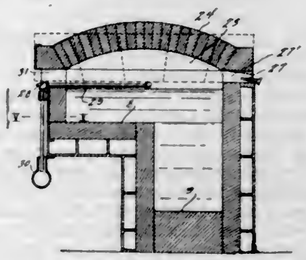
1,980,343
CONTINUOUS ROTATION GLASS MACHINE
Clarence C. Kinker, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 10, 1930, Serial No. 434,507
8 Claims. (Cl. 49—5)

1. A gather device, a carrier for the device, a molten glass pool providing means in proximity to the carrier having an exposed upper surface with which the device may cooperate, a tiltable mounting for the device embodying a fulcrum fixed with the carrier, a cam directing the device for cooperation with the pool, said mounting having a roller riding on the cam, an eccentric bearing for the roller, and means for angularly shifting the bearing with the roller in position relatively to the cam for determining the rocking of the mounting, there being means operable to lock the bearing on said mounting.



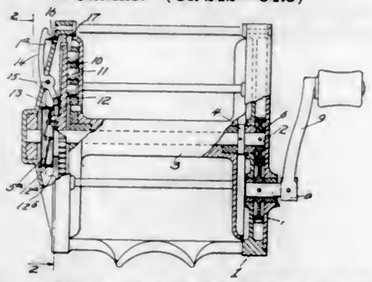
7. A glass forming machine comprising a pair of first mold sections, a pair of second mold sections, hinge means locating the sections for closing in forming a common mold, opening means for the first mold sections, additional opening means for the second mold sections, and interengaging means between one of said opening means for one pair of said sections and the opening means for the other pair of said sections for holding the latter sections for retarded opening, said interengaging means embodying an arm, and an adjustable yieldable link from said arm.

1,980,344
GLASS FURNACE
Clarence C. Kinker, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 26, 1931, Serial No. 511,224
9 Claims. (Cl. 49—56)



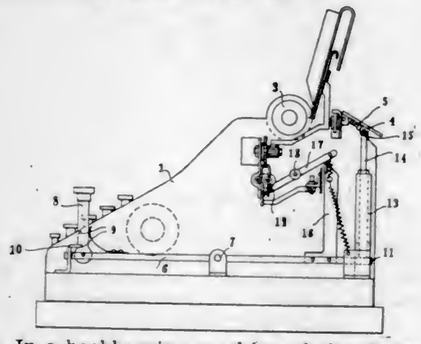
1. A glass tank for a pool of molten glass, an extension therefrom having a pool upper surface exposing portion, an arch at the furnace depending into proximity with the pool, an additional arch at the surface exposing portion spaced from the arch at the furnace, there being a chamber in said extension between the arches, said chamber having an arched roof wall, a burner, and cooling coil means beneath the arched roof wall and above the pool.

1,980,345
FISHING REEL
Oniel E. Long and Robert C. Swigerd, Los Angeles, Calif.
Application May 4, 1934, Serial No. 723,914
11 Claims. (Cl. 242—84.5)



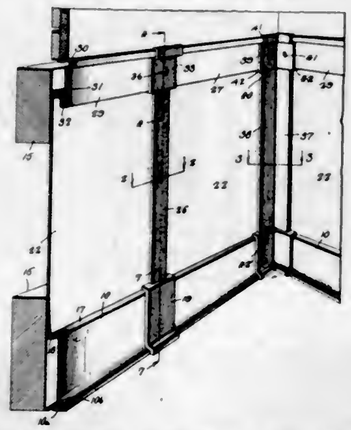
10. In a reel, a rotatable shaft provided with a shoulder, a spool rotatable on said shaft, means between said shaft and one end of said spool for frictionally interconnecting the shaft and spool, manual means for rotating the shaft to increase the frictional pressure on the spool by said interconnecting means the frictional pressure being taken by said shoulder, and manual means for releasing the spool from such frictional interconnection.

1,980,346
BOOKKEEPING MACHINE
Josef Heinrich Meckel, Jr., Munich, Germany
Application December 22, 1928, Serial No. 327,843
2 Claims. (Cl. 235—58)



2. In a bookkeeping machine of the character described comprising a typewriter and a calculating machine disposed side by side and each adapted to form impressions on a sheet of paper, a single movable carriage and a platen mounted on the latter and adapted to support said sheet, feed mechanism for said carriage, the combination of a finger pivotally mounted adjacent said feed mechanism and adapted to enter into engagement with said mechanism to prevent retrograde movement thereof during operation of the typewriter, means for retaining said finger out of contact with said feed mechanism during operation of said calculating machine, said means including a system of levers, one of which is in contact with said finger, a movable guide rule provided with means for positioning said carriage and associated platen in predetermined position during operation of said calculating machine, a depressible key connected to said system of levers and adapted, upon depression, to simultaneously move said positioning means out of operative position and said finger into engagement with said feeding mechanism, said key being further adapted, upon return from depressed position to original position, to simultaneously move said positioning means into operative position and said finger out of engagement with said feeding mechanism.

1,980,347
WALL COVERING
Kenneth C. Miller and Harold B. Little, Baltimore, Md., assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md.
Application May 21, 1932, Serial No. 612,807
9 Claims. (Cl. 189—85)



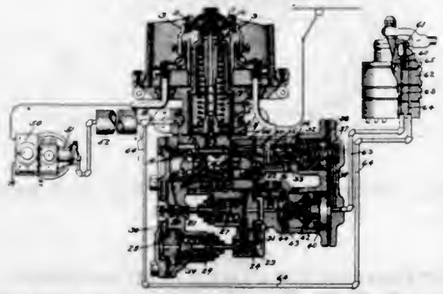
2. A wall covering including a base-board consisting of longitudinally alined sections each having its ends provided with shoulders, a cover plate for the adjacent ends of said sections, and a hook on said cover plate removably engaged with the shoulders of said adjacent ends of the sections.

1,980,348
HOT WATER BAG ATTACHMENT
Isaac L. Mitchell, Atascadero, Calif.
Application September 9, 1933, Serial No. 688,836
2 Claims. (Cl. 150—8)



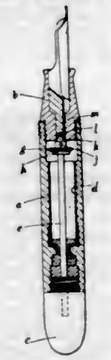
1. An attachment for a water bottle comprising an elongated straight body part having one end exteriorly threaded for fitting in the stopper receiving opening of the bottle and said body having an upwardly and outwardly extending projection thereon having a funnel-shaped part at its outer end, the lower part of the body and said extension having an angle-shaped passage therein extending from the funnel-shaped part through the threaded end of the body, the upper end of the passage being internally screw threaded for receiving a stopper.

1,980,349
PRESSURE REGULATOR FOR FLUID PRESSURE APPARATUS
Anselme Neveu, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 24, 1930, Serial No. 470,285
In France January 10, 1930
9 Claims. (Cl. 121—38)



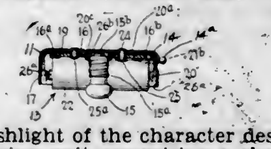
1. A pump governor comprising a pressure regulator responsive to variations in the pressure of fluid in a reservoir for controlling the operation of the pump to normally maintain the pressure of fluid in the reservoir within a predetermined normal range, change-over valve means adapted to be moved to a position for rendering the regulator unresponsive to variations in the reservoir pressure and operative to control the operation of the regulator, pressure sensitive means normally functioning under the influence of reservoir pressure within said normal range acting on one side thereof to maintain the change-over valve means out of said position and inoperative to control the operation of the regulator and operable when subjected on the other side to fluid pressure for moving the change-over valve means to said position and for controlling the operation of the change-over valve means to control the operation of the regulator, said pressure sensitive means when subjected on said other side to fluid pressure being operable only within a higher than normal range of reservoir pressure to actuate the change-over valve means to control the operation of the regulator, and means operable to supply fluid under pressure to said other side of the pressure sensitive means.

1,980,350
RESERVOIR PEN
Hiroshi Okada, Tokyo, Japan
Application April 4, 1934, Serial No. 719,024
In Japan August 30, 1933
2 Claims. (Cl. 120—47)



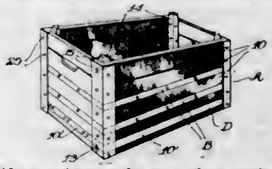
1. A self-filling reservoir pen comprising a barrel having a restricted portion therein, a lining of india-rubber in said restricted portion, a screw cap carrying the nib at one end and a screw knob at the other and axially reciprocable means disposed inside said barrel, said means comprising a rod connected at one end to said knob and having at its other end an enlargement, a fixed flange and a stop spaced apart on said enlargement and an annulus loosely mounted on said enlargement and disposed between said flange and stop such that when the said rod is reciprocated in said barrel and the annulus contacts with the lining in the restricted portion thereof there is relative movement between the annulus and the enlargement, the fixed flange serving as a control to regulate the flow of air between the annulus and the enlargement.

1,980,351
ELECTRIC FLASH LAMP
Samuel Osterman, Brooklyn, N. Y., assignor to Guth, Stern & Co. Inc., a corporation of New York
Application February 26, 1934, Serial No. 712,949
5 Claims. (Cl. 240—6.46)



1. In a flashlight of the character described, a current-carrying unit comprising a sheet of insulating material, spaced pairs of spring clips each pair adapted to engage a dry battery cell, a screw lamp receptacle centrally mounted on said sheet between the clips, said clips extending from one side of said sheet, means connecting said receptacle, clips and batteries in series circuit, and a movable switch mounted on said sheet interposed in the circuit between one of said clips and the receptacle.

1,980,352
BOTTLE CRATE
Edward M. Pennock and Lloyd Hale, Minneapolis, Minn., assignors to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application March 4, 1931, Serial No. 519,918
12 Claims. (Cl. 217—19)

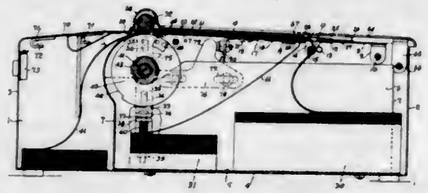


1. A bottle crate made up of a series of removable narrow slatted non-metallic members, metal reinforced corner members open at the top and extending over the corners of said members on the inside and outside thereof, and partition and bottom units held between said slatted members as a unit removably clamped by said slatted members.

1,980,353
SUMMARY SHEET FEED FOR AUTOGRAPHIC REGISTERS
Frank E. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application October 13, 1933, Serial No. 693,479
23 Claims. (Cl. 282—16)

1. In an autographic register for use in connection with a pair of superimposed strips of paper,

one edge of one strip extending over the adjacent edge of the other strip, a table for supporting the strips, a roller, means cooperating with the roller



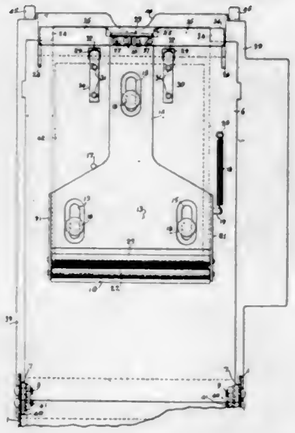
to engage the part of the strip extending over the other strip to feed it a given distance along the table, and means on said means to engage the other strip to feed it a less distance.

1,980,354

PUSH-PULL TYPE PAPER SHEET EJECTION

Frank E. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Application October 20, 1933, Serial No. 694,429
18 Claims. (Cl. 282—13)



1. In an autographic register, a writing table having an edge adapted to engage superimposed strips of paper along cross creases therein to align and stop the strips, means tending to bend the strips against said edge, and means to move said means so that the strips are less bent and may pass along said edge, said last-named means having a tear-off strip attached thereto.

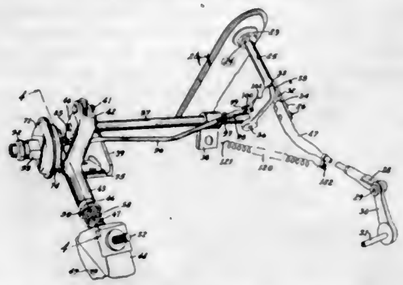
1,980,355

ENGINE STARTER CONTROL

Frank H. Prescott, Anderson, Ind., and James M. Crawford, Detroit, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 2, 1933, Serial No. 654,876
6 Claims. (Cl. 123—179)

1. A coordinated engine control and engine starter control comprising, in combination, a longitudinally movable member for controlling the engine, a shaft member extending transversely to the engine controlling member, engine starting apparatus controlled by said shaft member, a displaceable device normally operable to connect the engine controlling member with the shaft member and means responsive to engine operation for moving said displaceable device away from one of said members so as to disconnect the



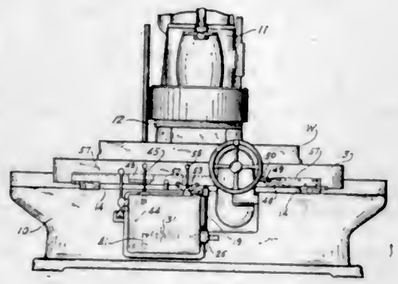
engine controlling member from the shaft member.

1,980,356

HYDRAULICALLY OPERATED MACHINE

Robert R. Raber, West Hartford, Conn., assignor to Pratt & Whitney Company, Hartford, Conn., a corporation of New Jersey

Application April 18, 1931, Serial No. 531,240
4 Claims. (Cl. 121—47)



1. A stop mechanism for a hydraulically actuated member including in combination, a cam carried by said actuated member, a rod mounted upon the base on which said member is actuated and one end of which intercepts the path of movement of said cam, said rod being moved in oppcsite directions by engagement with said cam, means to effect engagement of said rod with said cam in any position of said rod, a valve in the hydraulic system for controlling the supply of fluid for operating said member, a plunger for moving said valve in one direction when said rod is moved downward, and means to disengage said rod from operative connection with said plunger permitting return movement of said valve while said rod is retained by said cam in its downward position.

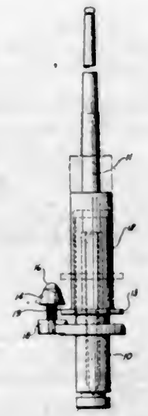
1,980,357

SPINDLE RETAINER

Irving R. Rowe, Stonington, Conn., assignor to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey

Application March 15, 1934, Serial No. 715,599
4 Claims. (Cl. 118—65)

1. A spindle retainer for textile machines comprising in combination, a support, a spindle rotatably mounted therein, a flange on said spindle, a tiltable cap member mounted on said support in a position to retain said spindle against removal from said support, and a spring retaining said cap member resiliently in position but permitting rotation thereof, whereby said cap member will be forced aside upon placing a spindle in position in said support and will prevent removal



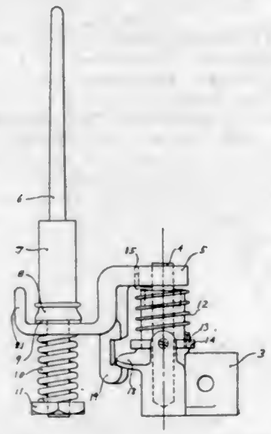
of said spindle from said support until manually displaced.

1,980,358

SPINDLE SWING FOR TWISTING MACHINES

Otto W. Schaum, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application December 30, 1932, Serial No. 649,527
10 Claims. (Cl. 118—8)



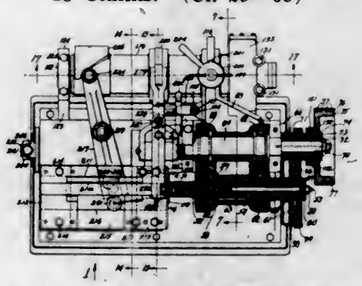
1. In a machine of the class described a driving belt, a spindle structure including a spindle blade a whorl and a bolster, a spindle swing supporting said spindle structure and having a lug and an upstanding handle integral therewith, a bracket supporting said swing, a collar adjustably secured to the bracket, a spring secured to the collar and urging the whorl toward the belt, in combination with an oil reservoir formed by a counterbore in the upper end of the bracket, and on the bracket an ear having an undersurface which is substantially helical and of such small lead that when engaged by the lug of the swing, friction alone retains the whorl away from the belt and prevents the swing from being raised.

1,980,359

METAL CUTTING MACHINE

Leo C. Shippy, Alva W. Phelps, and John Q. Holmes, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 12, 1929, Serial No. 377,778
15 Claims. (Cl. 29—69)



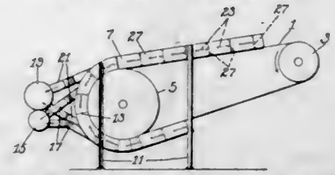
1. A machine for cutting bar stock comprising, in combination, a rotary cutter; a power operated frame supporting and bodily moving the cutter toward and away from the bar stock; a support for receiving the bar stock; a reciprocable mechanism for feeding the stock a certain distance along the support and for ejecting from said support the remainder of the stock which is shorter than said certain distance; and means responsive to an ejecting operation of the mechanism for rendering the power operated frame ineffective.

1,980,360

APPARATUS FOR DRYING OR CONDITIONING ARTICLES

Charles James Smith, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application September 16, 1930, Serial No. 482,221
In Great Britain September 28, 1929
6 Claims. (Cl. 34—12)



1. A conditioning apparatus comprising a conveyor, a drum over which the conveyor travels, a duct arranged at one side of the conveyor, a duct arranged at the opposite side of the conveyor, each of said ducts being provided with a series of elongated openings extending about the periphery of the drum and substantially parallel to and outside the plane of the conveyor, a shield extending between the ducts and forming therewith and with the conveyor a tunnel, and means for causing a conditioning medium to flow from the openings of one duct through the tunnel transversely of the conveyor and into the openings of the other duct.

1,980,361

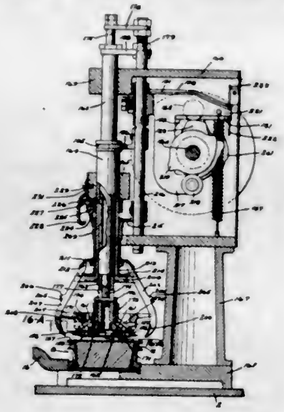
APPARATUS FOR FORMING, FILLING, AND CLOSING CONTAINERS

Lambert E. Spear, Minneapolis, Minn., assignor to Blue Moon Cheese Products, Inc., Minneapolis, Minn., a corporation of Delaware

Application December 8, 1930, Serial No. 500,823
14 Claims. (Cl. 93—6)

1. The method of closing and sealing a container provided at its open end with an outwardly

projecting flange surrounding the mouth of the container and upon which a closure is superimposed, which consists in first inwardly folding the edge portions of said flange and said closure to provide a single fold, then folding all of said



folded edge portions upon themselves to provide a double fold and whereby the edges of the container flange and the closure are exposed, and then applying pressure to said folded edge portions to hermetically seal the container.

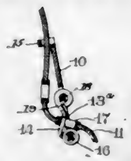
1,980,362

BUCKLE PLATE

Frank E. Stahl, Tonawanda, N. Y., assignor to The Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application March 7, 1932, Serial No. 597,214

1 Claim. (Cl. 24—178)



In a fastening of the kind described, a buckle plate having an opening to receive the free end of a grommeted strap, the upper wall forming said opening being inclined upwardly and outwardly in respect to the plane of the plate and said wall having extended upwardly therefrom a slot, said plate being apertured a short distance beyond the slot so as to provide a bridge between the slot and aperture, a tongue pivotally supported on said bridge, said upper wall constituting a bearing for one side of the grommet while the strap is engaged with said tongue and the lower wall of said opening constituting a support for the opposite side of said grommet.

1,980,363

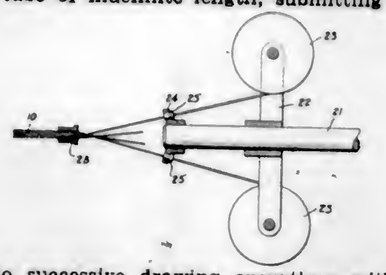
METHOD OF MAKING ELECTRICAL CONDUCTORS

Horace A. Staples, Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of New York

Application January 28, 1933, Serial No. 654,098

1 Claim. (Cl. 205—8)

The method of making electrical conductors from flat strips, comprising the steps of forming strips of a thickness approximately $\frac{1}{\pi}$ of the desired diameter of the finished wire into an open seam tube of indefinite length, submitting said



tube to successive drawing operations without internal support.

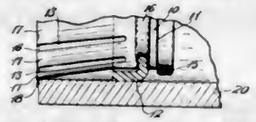
1,980,364

PIPE PROTECTOR

David W. Thomas, Youngstown, Ohio, assignor to The Niles Steel Products Company, Niles, Ohio, a corporation of Ohio

Application January 30, 1934, Serial No. 708,977

8 Claims. (Cl. 137—91)



1. A closure of the character described, comprising a sheet metal cup having its side wall provided adjacent the open end of the cup with a plurality of spaced fingers, and an annular gasket carried by said cup and projecting laterally therefrom.

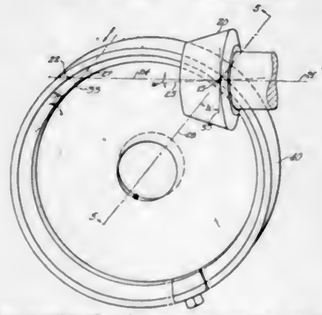
1,980,365

METHOD OF PRODUCING GEARS

Ernest Wildhaber, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application September 15, 1932, Serial No. 633,247

24 Claims. (Cl. 90—4)



1. The method of generating a tapered gear which has longitudinally inclined teeth of tapering depth which comprises cutting opposite side tooth surfaces of the gear by moving a pair of side cutting edges across the face of the gear blank so that points in the cutting edges travel in paths inclined to the pitch plane of the blank while rotating the blank on its axis and simultaneously producing an additional relative movement between the respective cutting edges and the blank which is so related to the blank rotation that the side cutting edges will contact, respectively, with opposite side surfaces of the blank during generation along lines inclined to one another at a greater angle than the angle of

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inclination between the lines of contact of opposite side tooth surfaces of the gear and mating tooth surfaces of a mate gear when the pair are in mesh.

1,980,366

SOLIDIFICATION OF ORGANIC ISOCOLLOIDS CONTAINING UNSATURATED HIGH MOLECULAR ACIDS

Làszló Auer, Budapest, Hungary, assignor to J. Randolph Newman, Washington, D. C., as trustee

No Drawing. Application April 30, 1929, Serial No. 359,426. In Great Britain May 8, 1928

16 Claims. (Cl. 106—23)

1. As an improvement in the manufacture of solidified oil products from fatty oils, said oil products being of improved quality and properties, having in part the properties of a heat-bodied, polymerized oil and in part the properties of an oxidized oil and being composite materials useful in making varnishes, linoleum and other commercial products, the improved process which comprises mixing about 100 parts of a fatty oil with between 2 to 10 parts of a metallic peroxide, the said peroxide being selected from a peroxide of a metal of the class consisting of magnesium, zinc, barium, strontium, calcium, sodium, cerium, nickel and bismuth, heating the mixture to temperatures sufficient to heat-body and polymerize said fatty oil, until said peroxide is dispersed in said fatty oil and continuing the heating until solidified oil product is obtained, said temperatures being between 200 and 300° C.; the temperature, proportions and metallic peroxide selected, being correlated to adjust the properties of the said composite oil product.

1,980,367

MODIFICATION OF THE PHYSICAL PROPERTIES OF RESINS

Làszló Auer, Budapest, Hungary, assignor to J. Randolph Newman, Washington, D. C., as trustee

No Drawing. Application April 21, 1930, Serial No. 446,171. In Great Britain April 24, 1929

14 Claims. (Cl. 106—23)

1. In the manufacture of modified products from natural resins, said modified products having physical properties such as a melting point and the like, substantially different from the original resins, the process which comprises mixing the said resin with a minor amount of a metal-free polar compound, said polar compound being a sulphur-containing compound having the following formula

$$Y—SO_n—X$$

wherein Y represents an organic nucleus, hydrogen or chlorine, X represents hydrogen or chlorine and n represents 1, 2, 3 or 4, heating the mixture to temperatures of at least 200° C., under vacuum, until a modified product having substantially different physical properties is obtained.

1,980,368

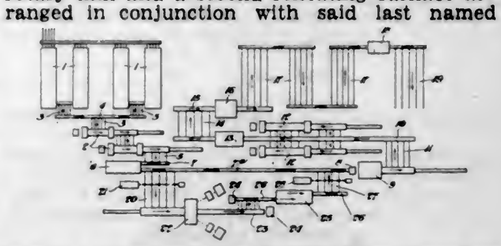
TUBE MILL LAYOUT

William Bark and Olof F. Olson, Gary, Ind., assignors to National Tube Company, a corporation of New Jersey

Application May 21, 1932, Serial No. 612,819

2 Claims. (Cl. 80—11)

1. A mill layout including billet heating furnaces, piercing mills and a reheating furnace arranged in succession and provided with means for carrying billets heated in said furnace from one unit to another; a continuous rolling mill, reeling machines and tube shape-correcting machines arranged in succession and provided with means for conveying tubes from one to another; means for conveying pierced billets from said reheating furnace to said continuous rolling mill; and a rotary mill and a second reheating furnace arranged in conjunction with said last named



means and provided with means for shunting heated billets from said first reheating furnace through said rotary mill, second reheating furnace and back for delivery to said continuous mill.

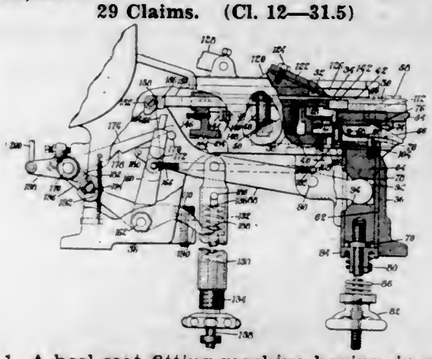
1,980,369

HEEL SEAT FITTING MACHINE

Frank Barton, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 26, 1932, Serial No. 613,653. In Great Britain June 16, 1931. Renewed May 11, 1934

29 Claims. (Cl. 12—31.5)



1. A heel seat fitting machine having, in combination, matrix plates provided with sole engaging faces which are arranged at one side of the plates and define a U-shaped opening, means for relatively adjusting the plates thereby to vary the shape of the opening, a plunger, a bulger carried by the plunger and having a U-shaped sole supporting face, said bulger being mounted for movement to force the central part of the heel seat portion of the sole of a shoe through the opening and beyond the other side of the plates, and a knife mounted for movement along said other side of the plates to remove the margins of the heel seat portion of the sole, said plunger being constructed and arranged interchangeably to receive one of a plurality of bulgers having sole supporting faces of different shapes.

1,980,370

CABLE TERMINAL

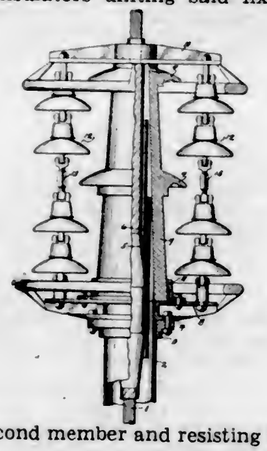
Charles E. Bennett, Hawthorne, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application March 1, 1932, Serial No. 595,992

6 Claims. (Cl. 247—6)

1. A cable terminal comprising in combination an insulating bushing adapted to receive the cable, a fixed member at one end of the said bushing, said member being adapted to surround the cable and sealing the end of the bushing, a

second member sealing the other end of the bushing, and insulators uniting said fixed member



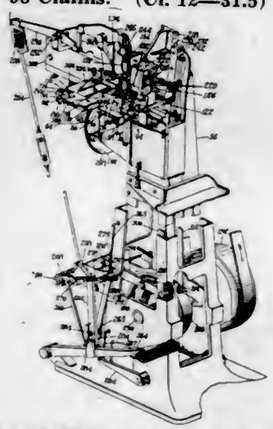
and said second member and resisting their separation.

1,980,371

HEEL-SEAT FITTING MACHINE

Earl A. Bessom, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 24, 1932, Serial No. 648,792
98 Claims. (Cl. 12—31.5)



1. A heel-seat fitting machine having, in combination, a cutter for forming heel-breast receiving shoulders upon a sole, another cutter for forming a tongue at the heel-seat portion of the sole, means for causing the first-named cutter to form heel-breast receiving shoulders upon the sole and then temporarily to remain stationary, and mechanism constructed and arranged to operate in timed relation with the shoulder-forming cutter for moving the heel-seat reducing cutter forwardly of the sole and against the shoulder-forming cutter.

1,980,372

CONCRETE FORM

John T. Blair and Joseph E. Blair, Tulsa, Okla.

Application January 17, 1930, Serial No. 421,530
7 Claims. (Cl. 25—131.5)

1. Apparatus for producing coffered and joisted ceilings comprising a plurality of selectively spaced and similar means for shaping the joists, a plurality of spaced and similar means for shaping the coffers between each pair of adjacent joists, means extending along and above and supported by the side walls of the joist-shaping means providing supports for the intervening coffer-shaping means and of sufficient width to support the latter to agree with



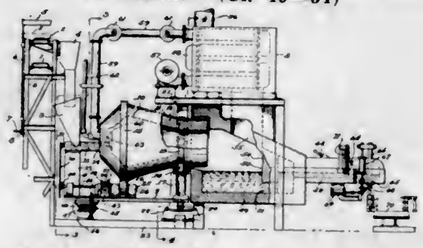
the chosen joist spacing, and means of sufficient width for closing the spaces between the coffer-shaping means in the direction of the joists to permit selective spacing of the desired number of coffer-shaping means.

1,980,373

METHOD AND APPARATUS FOR MANUFACTURING GLASSWARE

Samuel B. Bowman, Zanesville, Ohio, and Francis C. Flint, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application May 5, 1931, Serial No. 535,260
6 Claims. (Cl. 49—54)



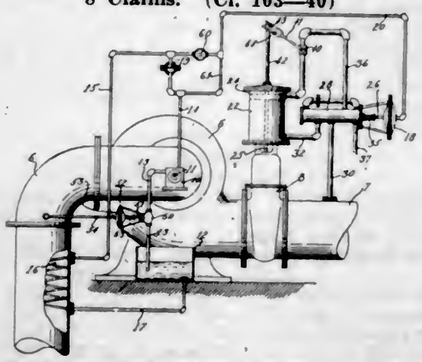
1. Apparatus for melting glass, including a rotary furnace, rollers upon which the furnace is mounted, a frame carrying said rollers, said frame being pivotally mounted, arcuate rails supporting the forward end of the frame, the arc of said rails being about the said pivotal mounting as a a center, and means for vertically adjusting the rear end of the frame.

1,980,374

VALVE

Grant D. Bradshaw, Beaver, Pa., assignor to Bradshaw & Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 2, 1932, Serial No. 608,624
8 Claims. (Cl. 103—40)



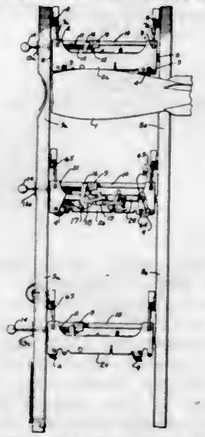
1. In a pumping system, a main pump having an inlet pipe and an outlet pipe, a valve in the outlet pipe, a valve control pump operated by the main pump, a hydraulic motor mechanically connected with said valve, and also in fluid connection with said outlet pipe, a hydraulic motor in fluid connection with said control pump, said latter motor being arranged to control the flow of fluid from said outlet pipe to said first-mentioned motor.

1,980,375

BOMB RELEASING DEVICE

Leland D. Bradshaw, March Field, Calif.

Application July 17, 1933, Serial No. 680,824
11 Claims. (Cl. 244—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



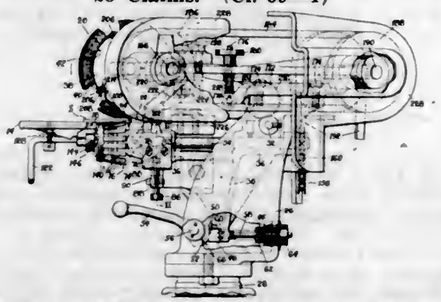
1. In a bomb releasing apparatus, a rack, a bomb shackle carried by said rack and including a trigger, manually releasable spring-operated means carried by said rack for actuating said trigger, said means including a plate carried by said rack, and a rod passing through an aperture in said plate and being slidably supported thereby, said rod being provided with a notch adapted to releasably engage said plate and secure said rod against longitudinal movement, and power means operatively connected with said first-mentioned means for releasing the same and thereby actuating said trigger.

1,980,376

MACHINE FOR SURFACE TREATING SHOE PARTS

Charles G. Brostrom, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 19, 1932, Serial No. 594,069
25 Claims. (Cl. 69—1)



1. In a machine for roughing shoe parts, a roughing tool adapted to form in a shoe part a multiplicity of closely-adjacent grooves or furrows, and means for relatively moving a shoe part and said tool to cause the tool to operate progressively along the margin of the part and to cause the furrows to extend only in directions transverse to the edge of the part.

1,980,377

PROCESS FOR REFINING AIRPLANE ENGINE OIL

Arthur B. Brown and Arthur W. Neeley, Whiting, Ind., assignors to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana

No Drawing. Application September 12, 1930, Serial No. 481,594
10 Claims. (Cl. 196—44)

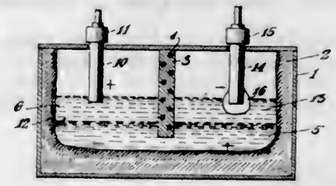
1. The process of producing ash-free lubricating oils of low viscosity-temperature coefficient comprising subjecting a viscous lubricating oil admixed with a suitable diluent to a treatment with concentrated sulfuric acid sufficient to substantially reduce its viscosity-temperature coefficient and form undesirable sulfonic acids in the oil, separating the oil containing said sulfonic acids from the resulting acid sludge, then treating with anhydrous aluminum chloride in quantity sufficient to remove substantially all sulfonic acids present in the oil, separating the aluminum chloride sludge and neutralizing the oil.

1,980,378

METHOD OF MAKING BERYLLIUM AND LIGHT ALLOYS THEREOF

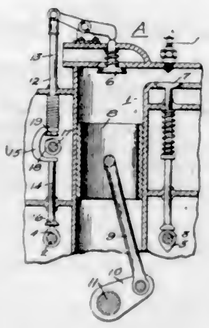
Louis Burgess, New York, N. Y.

Original application January 16, 1932, Serial No. 587,126, now Patent No. 1,937,509, dated December 5, 1933. Divided and this application November 10, 1933, Serial No. 697,416
9 Claims. (Cl. 204—19)



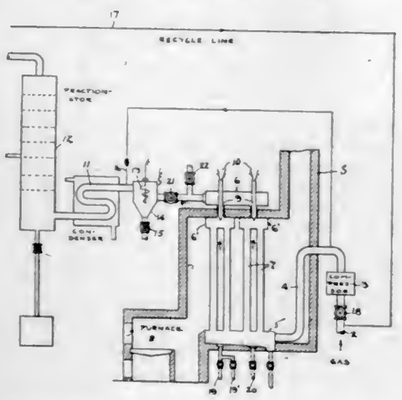
1. Process of making a beryllium aluminum alloy, which comprises maintaining a fluid alloy consisting predominantly of beryllium and copper, maintaining floating on at least a part of the said fluid alloy a fluid electrolyte containing a metallic fluoride or fluorides of higher dissociation potential than beryllium fluoride and containing a compound selected from the group consisting of beryllium fluoride and beryllium oxide, electrolyzing said electrolyte in series with said alloy as cathode and with a suitable anode, thereby dissociating said beryllium compound, liberating beryllium at said cathode and adding to the beryllium in the said fluid alloy, maintaining floating on at least a part of the said fluid alloy an electrolyte containing a metallic fluoride or fluorides of higher dissociation potential than beryllium fluoride and containing a compound selected from the group consisting of beryllium fluoride and beryllium oxide, maintaining floating on said last mentioned electrolyte a fluid layer of beryllium-aluminum alloy, and electrolyzing said last mentioned electrolyte in series with said beryllium copper alloy as anode and with said beryllium aluminum layer as cathode, thereby adding to the beryllium contained in said beryllium aluminum alloy.

1,980,379
VALVE OPERATING MECHANISM
Charles S. Burnett, San Francisco, Calif.
Application July 19, 1933, Serial No. 681,139
7 Claims. (Cl. 123—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



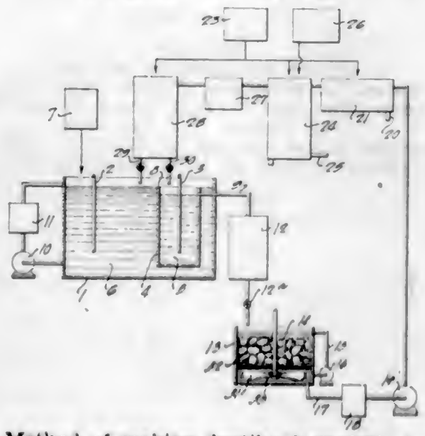
1. In a valve controlling device, the combination of a regular cam and cam-shaft for actuating the valve periodically, an auxiliary cam and cam-shaft driven by the regular cam-shaft through an adjustable gear which is controlled by a speed governor mounted on the auxiliary shaft and connected by a linkage which varies the timing of the auxiliary cam to retard it with an increase in speed.

1,980,380
MANUFACTURE OF MOTOR FUEL
Robert E. Burk and Herman P. Lankelma, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application February 13, 1930, Serial No. 428,133
6 Claims. (Cl. 196—110)



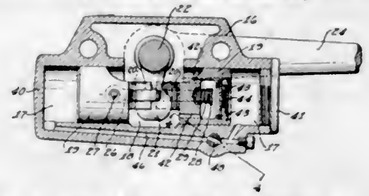
3. Apparatus of the character described, which comprises a heating chamber, a plurality of vertical conduits therein, an inlet header at the lower end of said conduits, outlet sub-headers at the upper ends of groups of said conduits, a further outlet header connecting said sub-headers, fixed choke means, leaving a substantially annular restricted passage, between the sub-headers and said further outlet header, and a condenser in communication with said outlet header.

1,980,381
METHOD OF MAKING DUCTILE ELECTROLYTIC IRON FROM SULPHIDE ORES
John R. Cain, Washington, D. C., assignor of one-half to Frederic A. Eustis, Milton, Mass.
Application May 27, 1931, Serial No. 540,345
4 Claims. (Cl. 204—15)



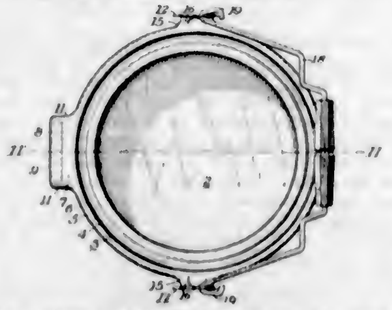
1. Method of making ductile electrolytic iron, comprising as steps subjecting a solution of a ferrous salt to electrolysis between a pair of electrodes, while maintaining the solution surrounding the anode separated from the solution surrounding the cathode by a porous wall, withdrawing the anolyte, contacting the same with a reduced source of iron containing one or more of the hydrogen sulphide group of metals, treating the reduced solution with metallic iron, separating the residual solution from precipitated solids, regulating the hydrogen ion concentration thereof to pH valve between 1.0 and 3.0, treating with hydrogen sulphide, separating insoluble matter therefrom precipitating small quantities of iron hydroxide in the solution to remove any colloidal suspended solid matter, correcting the solution to a pH value substantially between 1.5 and 2.5 and returning the solution to the solution surrounding the cathode and controlling the latter to a pH value between 1.0 and 3.0.

1,980,382
SHOCK ABSORBER
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 12, 1931, Serial No. 522,024
5 Claims. (Cl. 188—88)



1. In a hydraulic shock absorber, a casing formed with spaced working chambers and a pair of separate passages connecting the remote ends of the working chambers, pistons in the working chambers, means for reciprocating said pistons as a unit including a shaft extending through the casing, pressure responsive valves in one of said passages normally allowing a limited flow of fluid thereby, a rotatable valve extending into the casing and controlling fluid flow through the other passage connecting the working chambers, means for regulating the position of said rotatable valve in relation to the passage, and means within the casing cooperating with said rotatable valve for restricting the rotational movement thereof.

1,980,383
COOKING UTENSIL
William T. Christman, Mount Lebanon, Pa., assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa., a corporation of Pennsylvania
Application November 14, 1933, Serial No. 697,935
4 Claims. (Cl. 53—8)



1. A cooking utensil comprising an integral body having an outwardly extending peripheral flange at the top thereof, said flange having a trough portion therein and a rim portion outside the trough portion, and a handle comprising an integral extension projecting from the rim of the flange having its outer edge rolled under to form a bead, a finger recess being provided between said bead and the portion of the flange which forms the trough.

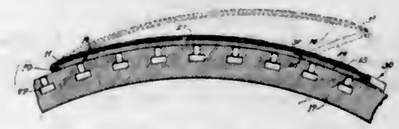
1,980,384
SEPARATION OF META CRESOL FROM META CRESOL-PARA CRESOL MIXTURES
Frederick Comte, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 25, 1933, Serial No. 699,711
9 Claims. (Cl. 260—154)

1. In the separation of meta cresol from a liquid phenolic mixture containing the same, whereby a solid sodium acetate-meta cresol addition product is separated from the liquid phenolic mixture, the step of resolving the solid addition compound into its constituents and recovering the sodium acetate in an anhydrous form which comprises heating the addition product to its decomposing temperature while avoiding the presence of water.

1,980,385
SEPARATION OF PARA CRESOL FROM A LIQUID PHENOLIC MIXTURE
Frederick Comte, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 25, 1933, Serial No. 699,712
6 Claims. (Cl. 260—154)

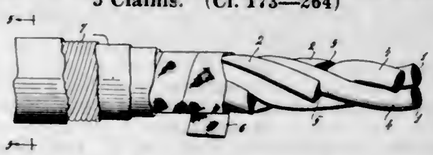
1. In the separation of para cresol from a liquid phenolic mixture containing the same by means of oxalic acid whereby a solid addition compound of para cresol and oxalic acid is formed which is separable from the liquid phenolic residue, the step of resolving the separated addition compound into its constituents which comprises heating the same to its decomposing temperature in the absence of water and below the decomposing temperature of the oxalic acid.

1,980,386
MEANS FOR MOUNTING PRINTING SURFACES
Arthur B. Davis, Springfield, Ohio
Application December 14, 1931, Serial No. 580,887
19 Claims. (Cl. 101—415.1)



1. The combination with a support in a printing press and a printing sheet having a type face and fastening elements along two of its opposite edges, of a plate separate from said support for backing a portion of said sheet conforming to the surface contour of said support and adapted to be secured adjustably to the support, said plate providing fastening means engageable with one of said elements, a second plate for backing the remaining portion of said sheet and having one edge adapted for engagement with the other of said elements, said last mentioned plate being arranged to swing toward and away from said support to stretch the sheet over the backing surfaces and release the tension thereon without disturbing the position of said first mentioned plate relative to the support.

1,980,387
ELECTRIC CABLE
William A. Del Mar, Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y., a corporation of New York
Application January 14, 1932, Serial No. 586,569
5 Claims. (Cl. 173—264)

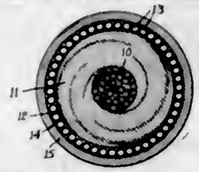


1. An electric cable comprising a plurality of insulated conductors and fillers in the interstices between the conductors, said fillers comprising a plastic compound the major portion of which comprises factice, and a binder around the compound and the conductors, the binder being under tension against the fillers, the fillers being forced by the binder into the interstices between the conductors and against the insulation of the latter to fill the interstices.

1,980,388
OIL FILLED CABLE WITH TUBULAR OIL CHANNELS
William A. Del Mar, Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y., a corporation of New York
Application January 16, 1933, Serial No. 651,976
4 Claims. (Cl. 173—266)

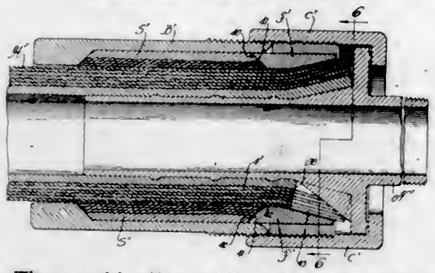
1. An electric cable comprising a conductor enclosed in oil-impregnated paper and an oil pervi-

ous metallic shield, a lead sheath, and longitudinally split oil ducts open to the impregnating oil



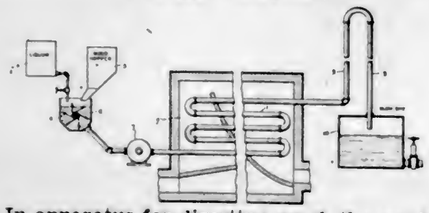
stranded around and encircling the shield and beneath the sheath.

1,980,389
HOSE COUPLING
Harry E. Dennie, Chicago, Ill.; Essie L. Dennie, executrix of said Harry E. Dennie, deceased
Application March 9, 1933, Serial No. 660,149
3 Claims. (Cl. 285—86)



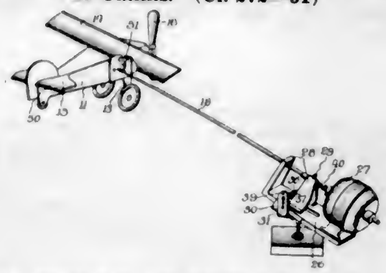
2. The combination with a hose having one end portion formed with longitudinal slits, of a coupling comprising a nipple formed with a conical enlargement adjacent a radial flange, adapted to be fitted within the hose the slitted end portion whereof is outwardly flared when forced upon the conical enlargement of the nipple, means carried by the nipple extending within the several slits in the hose end portion, and relatively movable pressure means including two screw connected parts enclosing the hose end portion adapted, upon advance, to compress the hose and force the end thereof into tight engagement with the nipple flange and the hose walls adjacent the slits into tight engagement with the means extending therewithin.

1,980,390
APPARATUS FOR DIGESTING CELLULOSE MATERIAL
Camille Dreyfus, New York, N. Y., and George Schneider, Montclair, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
Application November 24, 1930, Serial No. 497,760
1 Claim. (Cl. 92—7)



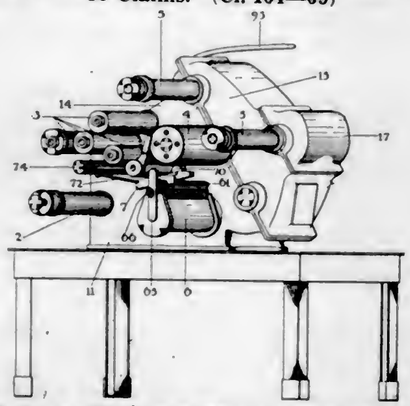
In apparatus for digesting wood, the combination of a furnace, an elongated pipe or coil in said furnace, means for feeding wood and a chemical liquor to said pipe or coil, means for imparting super-atmospheric pressure on the contents thereof, and means permitting the discharge of the contents from the pipe or coil.

1,980,391
AEROPLANE TOY
John Eslinger, Chicago, Ill.
Application June 18, 1931, Serial No. 545,209
18 Claims. (Cl. 272—31)



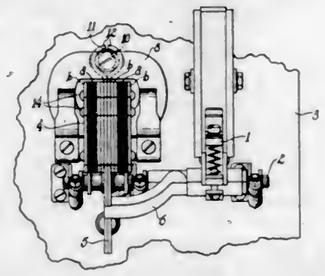
1. An aeroplane toy comprising, in combination, a miniature aeroplane having a rotatable propeller at its forward end, a bearing member carried by the body of said aeroplane and arranged for adjustment in a direction longitudinally of the aeroplane, an elongated member having one end projecting into one side of the aeroplane body and journaled in said bearing member so as to support the aeroplane for pivoting on said elongated member about an axis disposed rearwardly of the longitudinal center of gravity of the aeroplane and shiftable relative to such center by relative movement between said body and said bearing member, means supporting the opposite end of said elongated member to define a circular path of movement for the aeroplane while permitting the latter to rise and fall in its flight, and an electric motor arranged to drive said propeller in a direction to produce a torque opposing the excessive weight of the forward end of said aeroplane.

1,980,392
SLITTING MACHINE
David F. Evans and Clarence E. Coleman, Buffalo, N. Y., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Application December 2, 1931, Serial No. 578,430
36 Claims. (Cl. 164—65)



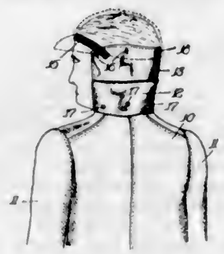
29. In a slitting machine a frame comprising a housing having an extended side, a stud projecting from said side, a sleeve fitting over the stud, a key cooperating with the stud and sleeve to prevent rotation, a reduced end on the sleeve, means revolvable in said sleeve end and attached to said stud for moving the sleeve longitudinally of the stud, an internally threaded cap on the reduced end of the sleeve, a collar on the said reduced portion threaded into said cap, a spring abutting said collar, a washer abutting said spring and a flange on said washer surrounding the end of the large portion of said sleeve for frictional engagement with an object mounted on said sleeve; slitting means projecting from said side comprising a score roll; winding means comprising a mandrel projecting from said frame, spring pressed means on said mandrel for applying endwise friction to an object mounted on said mandrel, means for adjusting the pressure exerted by said spring pressed means; and means for driving said slitting and winding means.

1,980,393
ALTERNATING CURRENT ELECTROMAGNET
Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 8, 1934, Serial No. 710,222
3 Claims. (Cl. 175—338)



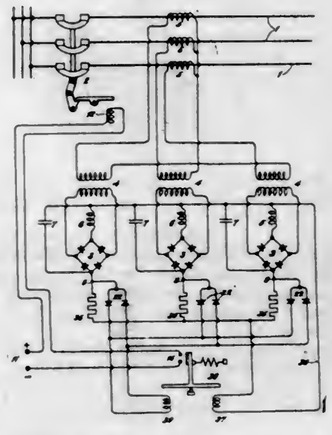
1. An electromagnet having its core and armature built up of laminæ of magnetic material and elements of steel alloy having about 18 per cent chromium and about 8 per cent nickel, the coacting faces of said core and armature comprising flush edges of said laminæ and elements and said laminæ and elements being arranged for contacting of the steel alloy elements of said coacting faces when such faces are brought together.

1,980,394
HUNTING COAT
Joseph V. Falcon, Evanston, Ill., assignor to Montgomery Ward & Co. Incorporated, Chicago, Ill., a corporation of Illinois
Application August 18, 1933, Serial No. 685,731
3 Claims. (Cl. 2—98)



1. In a garment of the class described, the combination with the collar thereof, of a supplemental collar carried by the first mentioned collar and foldable upon the latter to be concealed thereby in the turned-down position of the collar, and a fastening band carried by the rear face of the supplemental collar and extending lengthwise of said face, said fastening band being engageable with the head of the wearer of the garment for holding the supplemental collar in its raised position and in its application to the neck and head of the wearer.

1,980,395
ELECTRORESPONSIVE SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa.
Application October 3, 1931, Serial No. 566,657
30 Claims. (Cl. 175—294)



1. In combination with a polyphase circuit, means responsive to an unbalanced current condition on the phases of said circuit comprising a single electro-responsive device, and means for energizing said device in accordance with the unbalance between rectified currents derived from said circuit respectively proportional to the phase currents thereof.

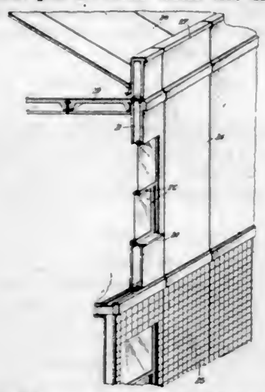
1,980,396
REACTION PRODUCT OF BUTADIENE DERIVATIVES WITH HYDROGEN HALIDES AND METHOD OF PRODUCING SAME
Erich Gebauer-Fuelnegg, Evanston, Ill., and Eugene W. Moffett, Gary, Ind., assignors to Marsene Corporation of America, Gary, Ind., a corporation of Indiana
No Drawing. Application December 23, 1933, Serial No. 703,866
15 Claims. (Cl. 260—1)

9. The process of preparing a hydrochloride addition product of rubber, which comprises reacting rubber with dry hydrogen chloride in the absence of a solvent and in the presence of an excess of hydrogen chloride to form the hydrochloride addition product of said rubber and eliminating any unreacted hydrogen chloride from said addition product to isolate said addition product.

1,980,397
SECTIONAL BUILDING
Ernst Geiger, Irvington, N. J.
Application July 15, 1926, Serial No. 122,666
Renewed November 18, 1930
23 Claims. (Cl. 72—1)

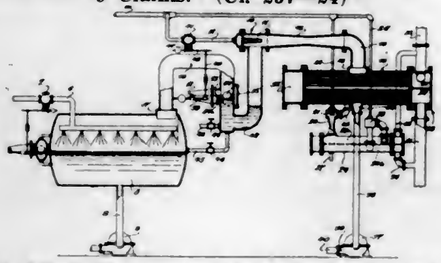
1. A portable house section including a channel iron frame, outwardly facing, ledge forming angle iron frames secured to opposite sides thereof, said angle iron frames including flanges secured to the flanges of the channel iron frame, and

including also outwardly facing flanges disposed in substantial parallelism with the intermediate



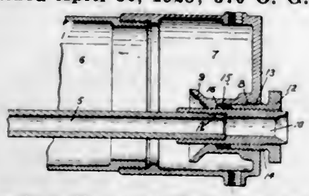
portion of the channel iron frames and inner and outer walls molded in the angle iron frames.

1,980,398
VACUUM PRODUCING APPARATUS
Harold M. Graham, Buffalo, N. Y., assignor, by mesne assignments, to Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York (1933)
Application March 23, 1933, Serial No. 662,279
9 Claims. (Cl. 257—24)



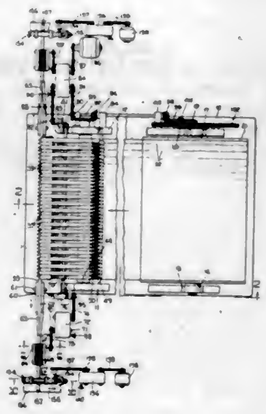
1. Ejector equipment for evacuating a chamber and adapted to be employed in connection with a condenser, said equipment including means providing a plurality of paths of communication between said chamber and said condenser, ejectors included in said paths, said ejectors discharging into said condenser, means for rendering one of said ejectors inoperative and means for creating a liquid seal in the path of communication which includes said last named ejector, whereby to prevent a back flow through the path which includes the inoperative ejector when another of said ejectors is operative.

1,980,399
GUN BARREL AND BARREL MOUNTING
Samuel G. Green, Gray, Ga.
Application November 23, 1931, Serial No. 576,820
4 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. An automatic gun embodying a reciprocable barrel, a cooling jacket surrounding the barrel, a bearing in the forward end of the jacket positioned to be surrounded by a cooling medium within the jacket, an extension on the muzzle of the barrel slidable within the bearing, and a packing within the portion of the bearing contacted by the cooling medium.

1,980,400
GUMMED PAPER BOOKING MACHINE
William F. Grupe, Lyndhurst, N. J., assignor to Harry H. Straus, New York, N. Y.
Application March 25, 1933, Serial No. 662,682
20 Claims. (Cl. 270—41)



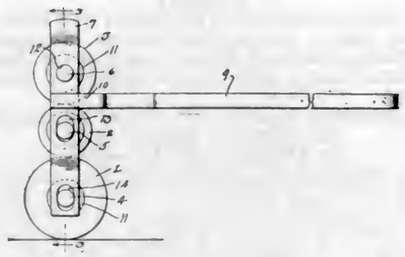
1. In a paper booking machine, the combination of means for applying a band of adhesive to a moving sheet of paper, means for drying the adhesive while moving the paper continuously, means for dividing the paper on a line located between the outer limits of the strip of adhesive and means for guiding the resulting strips of paper from the cutting means.

1,980,401
METHOD OF FUSING BIFOCAL BUTTONS
Carl G. Haering, Petersburg, Va., assignor to Titmus Optical Company, Inc., Petersburg, Va., a corporation of Virginia
Application September 25, 1933, Serial No. 690,963
5 Claims. (Cl. 49—82.1)



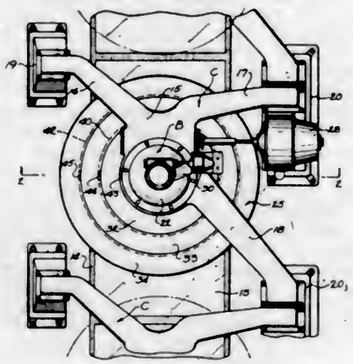
1. The method of fusing a composite bifocal button made up of segments of glass of different melting points to a circular lens blank having a countersink formed therein, comprising positioning the button over the countersink, supporting the edge of the segment of lower melting point by direct contact with said blank at one edge point of the countersink, supporting the opposite edge of the segment of higher melting point above the opposite edge of the countersink in spaced relation thereto, subjecting the button and blank to heat to soften first the segment of lower melting point and later the segment of higher melting point, and fusing the surface of the button to the countersink, progressively, from the point of contact of the segment of lower melting point with the blank, across the button to the edge of the segment of higher melting point supported above the opposite edge of the countersink.

1,980,402
INK ROLLER
Joseph E. Hagstrom, Adrian, Mich., assignor to Line-O-Scribe Incorporated, Adrian, Mich., a corporation of Michigan
Application April 13, 1932, Serial No. 604,981
2 Claims. (Cl. 91—62.5)



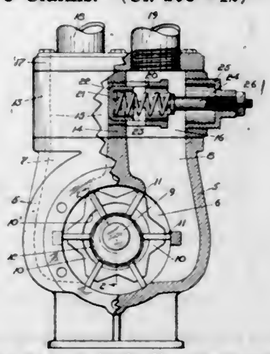
2. A hand operated ink roller comprising a pair of parallel frame portions, a handle member having a U shaped part to the free end of each of which a frame element is secured, a series of at least three rollers each having a shaft with the opposite ends thereof supported in the oppositely disposed frame elements, the upper roll of the series having a shaft in pivotally fixed relation in the frames and the shafts of the remaining rollers therebelow being supported in individual slots provided in the frame members, the slots being so arranged that, when the device is lifted by hand with the lower roller out of contact with a surface to be inked, the several rollers are out of contact one with another and the placing of the device with the lower roller in contact with a surface causes the rollers to be positioned in surface contact.

1,980,403
SURFACING TOOL
Le Roy L. Handy, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 11, 1931, Serial No. 536,367
15 Claims. (Cl. 51—209)



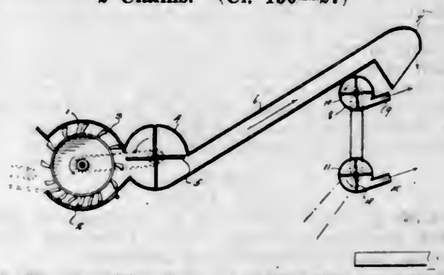
1. A glass surfacing runner, including a central surfacing member, a surfacing ring encircling said member and being freely movable vertically relative thereto, means for driving said member, and means for connecting the member and ring together so that they will be driven as a unit without interfering with the free vertical movement of the latter.

1,980,404
ROTARY PUMP
Gerald J. Harman and Arthur M. Briggs, Los Angeles, Calif., assignors to Harman Pacific Company, Los Angeles, Calif.
Application March 19, 1932, Serial No. 599,968
3 Claims. (Cl. 103—42)



1. A rotary pump including a pump body, a cap member having means for connecting intake and discharge pipes thereto, said cap being adapted to fit upon said body to open communication between said pipes and said pump body, and a unitary, by-pass mechanism adapted to be interposed between said pump body and said cap member gasket-like to provide communication between said pipes outside of said pump body, said by-pass mechanism inciuding a spring-pressed valve.

1,980,405
GRAIN SEPARATOR
Gilbert Haymond, Ellsworth, Kans.
Application April 2, 1930, Serial No. 441,086
2 Claims. (Cl. 130—27)

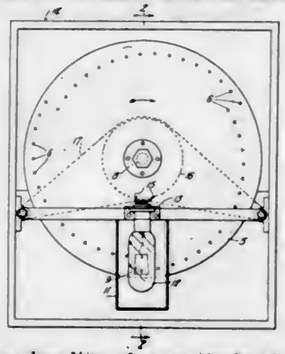


1. In combination, a threshing cylinder mounted on a substantially horizontal axis, a fan, comprising a shaft mounted parallel to the axis of threshing cylinder and having blades extending radially from the shaft, the periphery of the blades being adjacent the periphery of the cylinder at one point, a casing closely encircling both the thresher and fan, and having a restricted opening between the thresher and fan, and a chute extending tangentially from the lower portion of the fan casing in an upwardly inclined direction.

1,980,406
TELEVISION APPARATUS
Philip P. Holzer, Sr., Chicago, Ill.
Application January 27, 1933, Serial No. 653,842
1 Claim. (Cl. 178—6)

In an apparatus of the class described, the combination of a rotatable scanning disc having a plurality of series of scanning holes formed therein and substantially uniformly spaced along a plurality of annularly spaced lines eccentric with the center line of rotation of said disc, said

holes being of a uniform diameter between nine sixty-fourths and nine sixteenths of an inch, a glow lamp radially spaced from said center line and in inverted position with respect to the apparatus, a diaphragm having an unobstructed aperture formed therein between said disc and

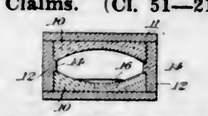


lamp, and a plurality of operatively aligned condenser lenses at the opposite side of said disc from said lamp and in alignment therewith and with the aperture formed in said diaphragm and the path of rotation of said series of holes formed in said disc.

1,980,407
SAFETY RAZOR BLADE HONER

Frank E. Housh, Miami Beach, Fla.

Application August 29, 1932, Serial No. 630,934
7 Claims. (Cl. 51—211)



5. A safety razor blade honer comprising an element provided with facing concave honing surfaces defining a space of cross-sectionally oval contour of which the minor axis is less than the width of a conventional safety razor blade and the major axis greater than the width of such blade, whereby a blade may be inserted between the honing surfaces and moved over them for sharpening by the oscillation of said element.

1,980,408
GOLF CLUB

Charles G. Jansky, Berwyn, Ill., assignor to Wilson-Western Sporting Goods Company, Chicago, Ill., a corporation of Delaware

Application September 19, 1929, Serial No. 393,693
4 Claims. (Cl. 273—80)

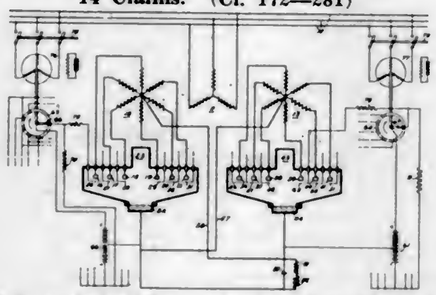


1. In a golf club, the combination of a club head having a hosel with a socket, a steel shaft extending into said socket and having its end fixedly secured to said head, a tapered ferrule fixedly secured to said shaft at its small end and having its large end disposed adjacent the end of said hosel to enclose said shaft adjacent said hosel, and a resilient rubber member confined between and separating said ferrule and hosel and adapted to cushion movement of said shaft relative to said hosel.

1,980,409
FREQUENCY CONVERTING SYSTEM

Julius Jonas, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application June 3, 1932, Serial No. 615,108
In Germany June 4, 1931
14 Claims. (Cl. 172—281)



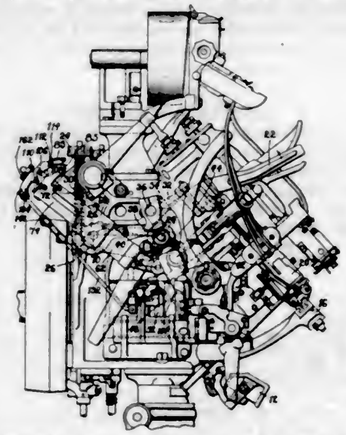
7. In a system for converting alternating current of one frequency into alternating current of another frequency, an electric current rectifier comprising a cathode, a plurality of anodes divided into a plurality of groups, and a plurality of control electrodes severally associated with said anodes, an alternating current input circuit, a transformer comprising a secondary winding divided into a plurality of groups of phase-displaced star-connected sections, the phase-displaced sections of each said group thereof being severally connected with the anodes of a different one of said groups thereof and supplying current thereto from said circuit, an alternating current output circuit supplying a reactive load, means comprising a second transformer having windings connected between said cathode and the star-point connection of each said group of said phase-displaced sections connecting said output circuit with said rectifier to be supplied therefrom, means including a source of control current connected with and continuously imparting to each of said control electrodes potential more negative than the potential of said cathode, means comprising said source of control current and a distributor switch operable to sequentially impress momentarily potential simultaneously on the said control electrodes associated with the anodes of each said group thereof more positive than the potential of said cathode to thereby control initiation of flow of current between said anodes and cathode, and means for operating said switch to cause the last said potential to be continually impressed on said control electrodes at such rate as to cause said rectifier to supply current to said output circuit at a predetermined frequency relative to the frequency of the current supplied from said input circuit.

1,980,410
PULLING-OVER MACHINE

Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 19, 1933, Serial No. 694,283
22 Claims. (Cl. 12—4)

1. In an upper-pulling machine, in combination, means for pulling an upper over a last, means for retarding the movement of said pulling means, upper-holding means for taking control of the upper after it has been acted upon by said pulling means, and means for automati-

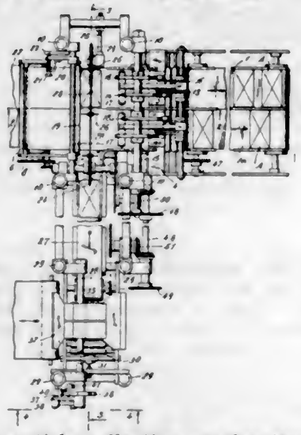


cally altering the resistance of said retarding means to said upper-pulling movement after said upper-holding means has taken control of the upper.

1,980,411
ARTICLE-COLLECTING DEVICE

Wallace D. Kimball and John H. Mosley, Jackson Heights, N. Y., assignors, by mesne assignments, to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York

Application December 11, 1930, Serial No. 501,560
6 Claims. (Cl. 198—32)



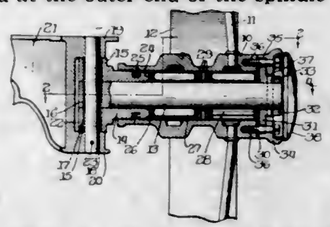
2. In an article collecting mechanism, means for advancing articles in a plurality of rows in irregular succession, an escapement for each row for regulating the advance of articles to the end of the row, means for arresting the movement of the articles to form a single row, and means in timed relation with the escapement for shifting articles in said row.

1,980,412
WHEEL

Leland G. Knapp, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois

Application May 2, 1932, Serial No. 608,706
10 Claims. (Cl. 308—210)

1. In a wheel, the combination with the hub thereof, and a spindle therefor, of a spindle connector fitted at the inner end of the hub and in which the spindle also is fitted, anti-friction bearings surrounding the spindle and interposed between the latter and the hub, said spindle connector constituting a thrust bearing for the anti-friction bearings in one direction, a fastening collar arranged at the outer end of the spindle and en-



gaging the end of the hub, said fastening collar constituting a thrust bearing for the anti-friction bearings in an opposite direction to the direction aforesaid, and means associated with the hub and engaging the fastening collar for preventing longitudinal movement of the hub with respect to the spindle.

1,980,413
INSULATING MATERIALS AND METHOD OF PREPARING INSULATING MATERIALS

Mark C. Lewis, Cranford, N. J., and Alger M. Lynn, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 24, 1929, Serial No. 388,251
24 Claims. (Cl. 8—2)

1. The method of preparing insulating silk, which comprises repeatedly subjecting degummed silk to washing baths under pressure to remove ionizable impurities from the silk, at least one of the baths including a reagent capable of neutralizing impurities in the silk and the remaining baths comprising water.

6. As a new article of manufacture, electrical insulating material comprising silk which is substantially free from ionizable impurities.

1,980,414
PROCESS FOR THE PRODUCTION OF SULPHO - ACIDS OF HIGH MOLECULAR WEIGHT

Kurt Lindner, Oranienburg, Germany, assignor, by mesne assignments, to Oranienburger Chemische Fabrik Aktiengesellschaft, Oranienburg, Germany, a company of Germany

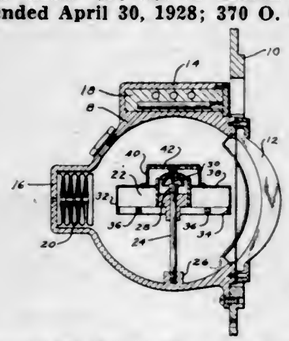
No Drawing. Application July 30, 1927, Serial No. 209,645. In Germany August 2, 1926
16 Claims. (Cl. 260—159)

1. The process of sulphonating which comprises treating a material selected from the group

consisting of wool fat, individual constituents of wool fat containing alcohols, wax alcohols, and cholesterin with chloro-sulphonic acid while preventing excessive rise in temperature.

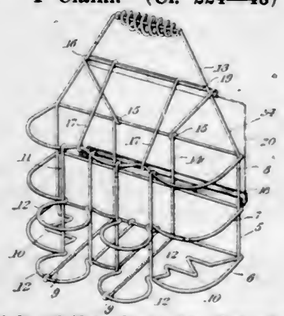
14. The condensation product of a sulphonation product of a higher alcohol which contains at least one SO_3H group attached to a carbon atom.

1,980,415
MAGNETIC COMPASS
Harvey Newton Lumm, Dayton, Ohio, assignor to Elgin National Watch Company, Chicago, Ill., a corporation of Illinois
Application November 17, 1930, Serial No. 496,185
3 Claims. (Cl. 33—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



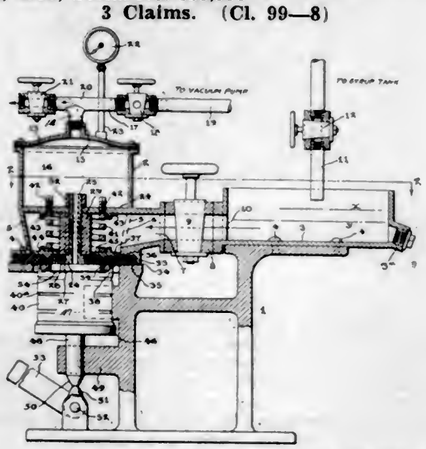
1. The combination with a magnetic compass having a compass bowl, a liquid in said bowl, and magnetic indicating system suspended in said liquid, said system comprising an inverted pivot and a compass card supported thereby, of a spiral spring disposed entirely above the bearing point of said pivot and having one end connected to said pivot and the other connected to said card to yieldingly oppose the relative lateral and vertical movements of said card and pivot and angular movements about their axes relative to one another.

1,980,416
BOTTLE CONTAINER OR HOLDER
Emma L. Maguire and Edwin S. Tracy, St. Louis, Mo.
Application December 27, 1932, Serial No. 649,042
1 Claim. (Cl. 224—48)



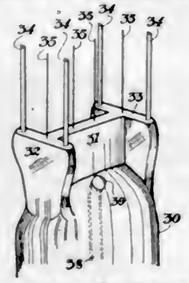
An article of the character described comprising a frame formed with lower, intermediate and upper wire stretches bent to provide pockets for bottles and constituting a front, ends and back to the frame, cross wires at the lowermost stretch to provide a bottom to the frame, intermediate zigzag bends formed in certain of the cross wires at said bottom for yielding action on the forcible introduction of bottles within the frame, vertical portions formed with said cross wires and located outside of said stretches at the front and back of the frame and joined with the uppermost stretch, a bail handle formed at the back of the frame to extend above the uppermost stretch, and parting wires located across the frame at the uppermost stretch and between the pockets in the frame.

1,980,417
ART OF CANNING
Adolph K. Malmquist, South Bellingham, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Original application August 2, 1927, Serial No. 210,127. Divided and this application January 4, 1930, Serial No. 418,588
3 Claims. (Cl. 99—8)



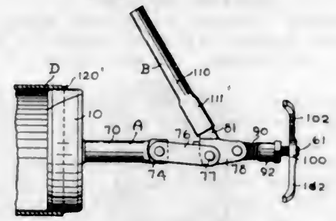
1. The method of vacuum canning which consists in positioning a container to receive a liquid with the exterior of the container exposed to atmospheric pressure and the open end of the container sealed against the entrance of air and liquid, exhausting air from the interior of the container whereby the atmospheric pressure moves the can bodily against the sealing medium to break the liquid seal and permit the entrance of the liquid into the vacuumized container.

1,980,418
STEM
Laurence K. Marshall, Cambridge, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application October 7, 1929, Serial No. 398,052
8 Claims. (Cl. 250—27.5)



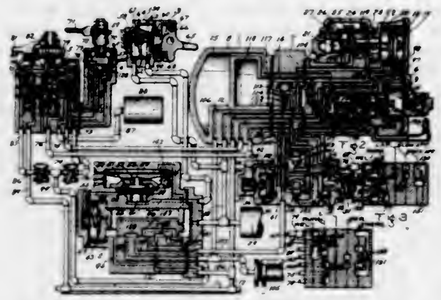
1. A stem for a space discharge tube comprising a press having more than two flat wing portions formed directly at the upper end of said stem and disposed in a plurality of planes parallel to the axis thereof, said wing portions being separated so that no more than two wing portions meet at any one spot.

1,980,419
BACKING-UP RING FOR WELDING
Charles B. Martin and Louis Wirt Lemert, Bartlesville, Okla.
Application April 13, 1933, Serial No. 666,060
14 Claims. (Cl. 113—103)



1. In an expansible backing-up ring for pipe welding, a ring member including a plurality of segmental portions one of said portions being wedge-shaped and the others of said portions being hingedly connected together, and means for moving the wedge-shaped portion in a plane parallel to the axis of said ring member.

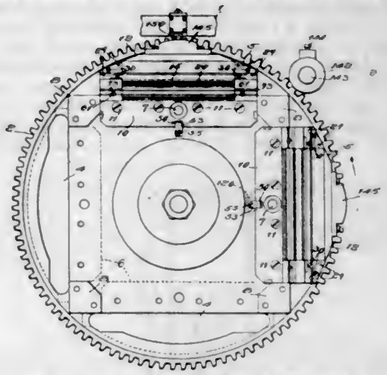
1,980,420
LOCOMOTIVE BRAKE EQUIPMENT
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 11, 1932, Serial No. 616,697
5 Claims. (Cl. 303—40)



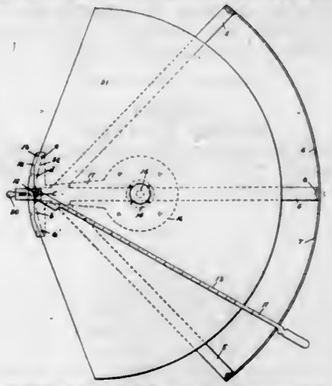
1. In a fluid pressure brake, the combination with a brake cylinder, of an application supply pipe, a release pipe, a valve device operated by an increase in fluid pressure in said supply pipe for effecting the supply of fluid under pressure to the brake cylinder and operated by a reduction in fluid pressure in said release pipe for effecting the release of fluid from the brake cylinder, and a brake valve device comprising a valve having an application position for establishing one communication through which fluid under pressure is supplied to a passage leading to said application supply pipe and for establishing another communication through which fluid under pressure is simultaneously supplied to a passage leading to said release pipe.

1,980,421
TYPOGRAPHICAL MOLD
Harley J. Megley, Chicago, Ill.
Application April 11, 1931, Serial No. 529,362
42 Claims. (Cl. 199—55)

1. In combination, a type casting mold adapted for casting a type slug and comprising jaw means movable into open and closed positions, said mold having type casting and type ejecting positions, driving means for moving said mold from each of said positions to the other, and means for positively closing said jaw means while said driving means is in full driving engagement.



1,980,422
PLOTTING BOARD
John Mesick, United States Army, Fort Stotsenberg, P. I.
Application September 30, 1931, Serial No. 566,133
5 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

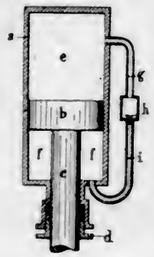


1. A plotting device for sound ranging embodying a base, a time interval scale on the base, a board pivotally mounted on the base, means on the board representing a base line, means on the base line representing mid-points between recording stations, a reading arm pivoted on the base to overlie the board and readable against the time interval scale, the pivot of the arm being in alignment with the base line and also being in line with the pivot of the board and the zero of the time interval scale, and means for securing the board in pivoted adjustment relative to the base to align between the mid-points of the base line and the pivot of the reading arm.

1,980,423
AUTOMATIC RECOVERY DEVICE FOR PNEUMATIC SUSPENSIONS
George Louis René Jean Messier, Montrouge, France
Application December 19, 1928, Serial No. 326,995
In France December 30, 1927
1 Claim. (Cl. 267—64)

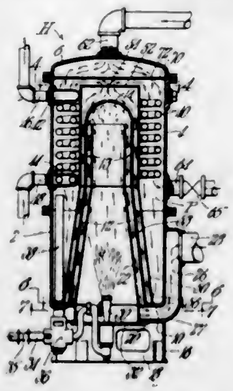
A pneumatic or oleo-pneumatic suspension device for supporting an aeroplane body with re-

spect to its under carriage, comprising in combination, a substantially vertical cylinder rigid with one of said two parts of the aeroplane and adapted to contain a predetermined constant quantity of fluid under pressure, a piston rigid with the other of said two parts and adapted to slide freely within said cylinder, a mass of fluid located above said piston forming a supporting cushion when the aeroplane is resting on the ground, a conduit solely and directly interconnecting the



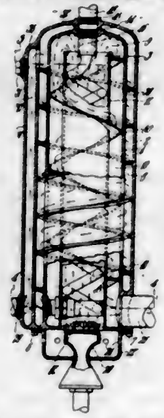
upper portion of said cylinder through the side wall thereof with the lower portion of the cylinder directly through the bottom thereof and extending wholly outside of said cylinder in exposed position, and a single non-return valve disposed in an accessible position in the exposed portion of said conduit located adjacent the side of said cylinder for the purpose of allowing the fluid to flow solely from the lower end of the cylinder directly toward the upper end thereof.

1,980,424
WATER HEATER
Leigh F. Morgan, Springfield, Mass.
Application July 7, 1933, Serial No. 679,377
10 Claims. (Cl. 122—33)



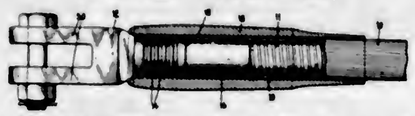
1. An apparatus of the class described comprising in combination, a shell having upper and lower and side walls with an inner wall extending upwardly from the lower wall within the side walls and spaced therefrom to form an annular primary water compartment about said inner wall, a secondary water compartment within the primary compartment and separate therefrom, and a tubular baffle member between the secondary compartment and inner wall extending upwardly between said outer and inner walls and spaced therefrom to form a passageway between said secondary water compartment and the inner wall provided with lower and upper ports whereby water in the primary compartment may circulate upwardly in said passageway.

1,980,425
WATER HEATER
Leigh F. Morgan, Springfield, Mass.
Application January 19, 1934, Serial No. 707,269
10 Claims. (Cl. 122—169)



1. A water heater comprising in combination, outer and inner spaced walls extending upwardly with their lower and upper ends connected to form a water compartment therebetween and a heating chamber interiorly of the inner wall, the said outer wall provided with a water inlet, a second water compartment extending upwardly in the heating chamber, an inner tubular member extending upwardly in said heating chamber spaced from said inner wall to form a passageway therebetween and disposed between said second compartment and inner wall, a flue leading from said heating chamber, connections between said second compartment and water compartment, connections for connecting said second compartment to a water offtake, a wall extending up and down on said outer wall to form an outer chamber therewith in communication with said water inlet and which is provided with an inlet thereinto, and a baffle member arranged spirally in the water compartment between its upper and lower ends whereby water is caused to circulate around and longitudinally thereof.

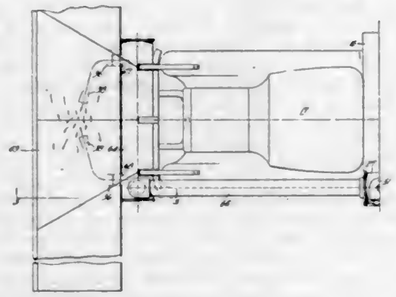
1,980,426
CONNECTER DEVICE FOR HOLLOW CABLES AND METHOD OF SECURING CONNECTIONS TO SUCH CABLES
Maxwell E. Noyes, Mount Lebanon, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1930, Serial No. 462,462
10 Claims. (Cl. 173—263)



1. A cable connecter for making a connection to a cable having an inner flexible core with electrical conductors thereon, said connecter comprising a pair of elements, one element having a portion to engage within and with the inner flexible core, said element also having a substantially cylindrical portion adapted to directly receive

and support the conductor strands, said element also having a grooved portion beyond the ends of the conductor strands, and a sleeve forming the other element of said connecter disposed without the conductor strands and compressed into engagement therewith and into engagement with the grooves upon the inner element for the purpose described.

1,980,427
APPARATUS FOR USE IN CONTROLLING PLANT PESTS AND PLANT DISEASES
William B. Parker, Placerville, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware
Application June 24, 1932, Serial No. 619,109
1 Claim. (Cl. 299—46)



A portable unit for use in controlling crop pests, the unit comprising a vehicle having a frame, driving means for said vehicle, a canopy supported on said frame and extending beyond said frame and said vehicle, said canopy having a length lateral with respect to the direction of movement of the vehicle which is substantially greater than its width, a plurality of nozzles supported beneath said canopy in a space near the medial portion thereof which constitutes a minor part of the entire space enclosed by the canopy, means for causing a stream of air to flow through each of said nozzles at a relatively high velocity and under a relatively low pressure, and means for introducing and distributing an insecticidal liquid material in said air stream, the discharge from the nozzles being directed generally laterally with respect to the direction of movement of the vehicle whereby fog-like mists containing air and microscopic particles of said material are liberated from said nozzles to produce a boiling, turbulent fog within the confines of said canopy and which progresses towards the spaces within the ends of the canopy to envelope plants therein.

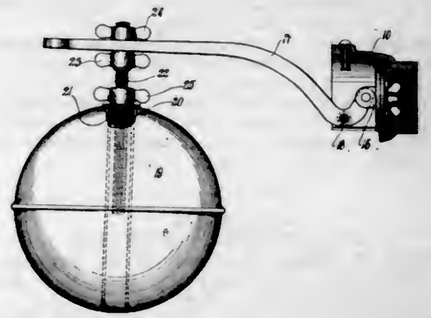
1,980,428
TREATMENT OF MATERIALS MADE OF OR CONTAINING CELLULOSE OR CELLULOSE DERIVATIVES
Reginald Henry Parkinson, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 15, 1930, Serial No. 488,998. In Great Britain November 6, 1929
2 Claims. (Cl. 28—1)

1. Process for reducing the lustre of materials comprising cellulose acetate, comprising applying thereto a colloidal solution of aluminium oxide.

1,980,429
COLORATION OF MATERIALS MADE OF OR CONTAINING CELLULOSE OR CELLULOSE DERIVATIVES
Reginald Henry Parkinson, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 15, 1930, Serial No. 488,999. In Great Britain November 8, 1929
16 Claims. (Cl. 8—13)

1. In the mordant dyeing of material containing an organic substitution derivative of cellulose, the step of applying a metallic oxide mordant to the material directly from a colloidal solution of said metallic oxide.

1,980,430
FLOAT CONTROLLED VALVE
Frank Newman Pearse, Victoria Park, Western Australia, Australia
Application July 19, 1933, Serial No. 681,179
In Australia January 25, 1933
2 Claims. (Cl. 251—125)

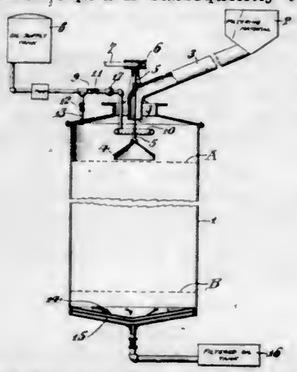


1. A valve construction comprising in combination a casing having a discharge opening and a valve seat therein, a control lever pivotally connected to said casing in front of the valve seat thereof, a valve plate pivotally connected to and supported by said control lever, a washer detachably connected to one face of said valve plate and adapted to engage the valve seat of said casing, a stop pin slidably supported within said casing and extending in the path of travel of said valve plate in order to prevent the removal of said valve plate from said casing, and said control lever being adapted to swing said valve plate clear of said casing when said stop pin has been removed in order that the washer carried by said valve plate may be replaced.

1,980,431
FILTRATION
Ivan M. Perkins, Brookline, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 31, 1931, Serial No. 512,524
Renewed February 14, 1934
11 Claims. (Cl. 210—122)

1. In a process which involves percolating a liquid through a bed of filtering material of substantial thickness, that improvement which comprises wetting the filtering material with a liquid of the character of that to be filtered prior to the

formation of the filtering material into the bed through which liquid is subsequently to be per-

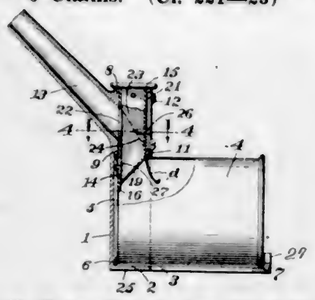


colated, and forming the wetted filter material into a bed of substantial thickness.

1,980,432
GRANULAR MATERIAL
Henry R. Power, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
No Drawing. Application February 25, 1933, Serial No. 658,665
7 Claims. (Cl. 51—278)

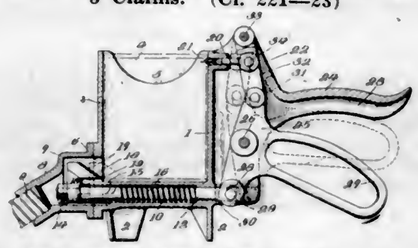
1. A method of heat treating garnet comprising heating the garnet, while it is in non-oxidizing atmosphere, to a temperature below that at which incipient fusion begins.

1,980,433
OIL DISPENSING DEVICE
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 28, 1933, Serial No. 700,123
6 Claims. (Cl. 221—23)



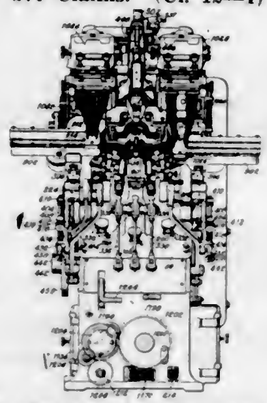
1. An oil dispensing device for hermetically sealed cans comprising a body having a bottom member and side walls forming a chamber shaped to conform to the end of the can, said body having an extension at one side thereof provided with a passage therethrough leading to said chamber, a spout carried by said body and communicating with said passage, a cutter mounted for endwise movement in said passage, said cutter having a body portion for closing the outer end of said passage, and a cutting point at its lower side with cutting edges leading away from and upwardly from the cutting point for cutting an opening in the side wall of the can and rolling upward the cut-away portion, said cutter having a passage therethrough connecting with said spout whereby the oil from the can may be dispensed through the cutter into the spout.

1,980,434
DEVICE FOR DISPENSING LUBRICANT FROM SEALED CONTAINERS
Frederick A. Prahl, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 21, 1932, Serial No. 600,325
8 Claims. (Cl. 221—23)



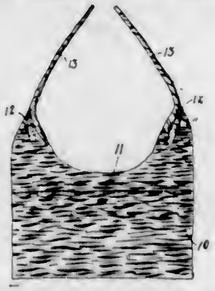
1. A dispensing device for containers comprising a body having a bottom member and side walls forming a chamber shaped to conform to the end of the container, said body having an extension at one side thereof provided with a passage leading to said chamber, a spout attached to said extension and communicating with said passage, a cutter normally housed within said passage in said extension and movable into said chamber in a direction parallel with the end member for forming an opening in the side wall of the container, said cutter having a piercing point at the lower side thereof spaced from the bottom member of the chamber sufficiently to penetrate the wall of the container directly above the double seam, said cutter having cutting edges inclining upwardly from the piercing point for severing the can wall and for rolling the severed portion inwardly and upwardly so as to provide a free opening for dispensing the oil from the container in said chamber through said passage into said spout and means attached to said cutter whereby said cutter may be manually operated for opening the sealed container.

1,980,435
MACHINE FOR SHAPING UPPERS OVER LASTS
Charles F. Pym, Beverly, and Arthur F. Pym, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 24, 1932, Serial No. 600,900
270 Claims. (Cl. 12—4)



1. In a machine for shaping uppers over lasts, means for tensioning an upper over a last positioned bottom downward and for working the marginal portion of the upper about the toe inwardly into lasted relation to a sole on the last, and upper-fastening mechanism comprising a plurality of drivers movable upwardly in substantially parallel relation to one another to drive a plurality of fastenings into the shoe bottom around the end and along the sides of the toe to fasten the upper in lasted position.

1,980,436
BIB
Raymond W. Reagan, Philadelphia, Pa.
Application July 29, 1932, Serial No. 625,871
1 Claim. (Cl. 2—49)



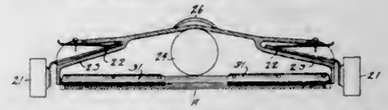
A bib comprising a sheet of material presenting transversely extending random hills and dales upon both sides of said sheet, the dales of one side producing the hill upon the reverse side, whereby the bib lends itself to flexing along transverse lines but resists flexing along longitudinal lines, said sheet having a recess cut therein forming upon opposite sides of the recess neck encircling straps with the hill and dale construction of the sheet extending into the said straps and transversely thereof, and providing resiliency.

1,980,437
POWER TRANSMISSION DEVICE
George C. Reeves, Chicago, Ill., assignor to Dryden Rubber Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1933, Serial No. 672,008
8 Claims. (Cl. 74—238)



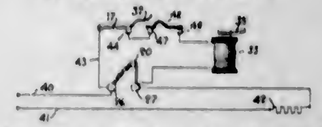
1. An endless flexible power transmission device substantially round in cross section and having ribs thereon extending longitudinally of and spirally around the body of the device whereby the device is caused to rotate as it travels.

1,980,438
SUCTION CLEANER
Frederick Riebel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application March 31, 1933, Serial No. 663,780
13 Claims. (Cl. 15—157)



1. In a suction cleaner, a floor tool, an agitator formed with alternate working portions angularly spaced around the longitudinal axis of the agitator, each working portion being wider at its outer extremity than at the axial region of the agitator, and means carried by the floor tool to releasably receive, engage, and securely hold one of said working portions in an inoperative position so as to position the other working portion for operative association with a surface to be cleaned, said inoperative portion being retained by virtue of its greater width at its outer extremity.

1,980,439
THERMALLY CONTROLLED SWITCH AND THE LIKE
John D. Ross, Brewer, Maine, assignor, by mesne assignments, to Burnham Boiler Corporation, Irvington, N. Y., a corporation of New York
Application March 13, 1928, Serial No. 261,227
Renewed January 16, 1932
14 Claims. (Cl. 175—375)



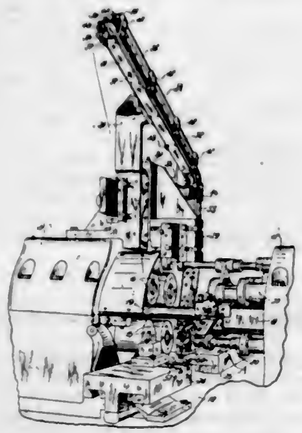
1. In an electric switch of the character described, the combination with relatively fixed and movable main circuit making and breaking elements, of an electro-magnet adapted to control a function of said movable element, a shunt circuit about said main circuit making and breaking elements having said electro-magnet in series therewith, and a main controlling device movable into a plurality of controlling positions and adapted to close said shunt circuit when in one position and to mechanically control another function of said movable element when in another position.

14. In apparatus of the character described, in combination, an electrical switching mechanism, an over-centering device for operating said switching mechanism, a pressure responsive means for causing said over-centering device to operate in one direction, and means including a temperature responsive element and said pressure responsive means for operating said over-centering device in the opposite direction.

1,980,440
FEED FOR AUTOMATIC MACHINE TOOLS
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application February 9, 1932, Serial No. 591,836
19 Claims. (Cl. 29—38)

1. In a machine of the character described, a rotatable spindle and a chuck carried thereby, a magazine comprising a curved chute the upper end of which opens towards the front of the machine supported by said machine and adapted to

carry a plurality of work blanks, a transfer member slidably supported on said machine and operatively connected to said magazine, means for moving said transfer member to position a work blank carried thereby in axial alignment with said chuck, a cylindrical tool slide, chuck means slidably supported by said cylindrical tool slide adapted to grip a blank supported in said transfer member, and means for reciprocating said chuck means whereby said blank is transferred from said transfer member to said chuck.

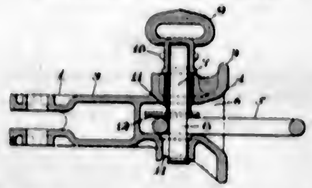


10. In a machine of the character described, the combination of a frame, a spindle turret rotatably supported by said frame, a plurality of spindles rotatably supported in said spindle turret, a chuck carried by each of said spindles, means for automatically indexing said spindle turret, means for automatically operating said chucks, a magazine pivotally supported on said frame adjacent said spindles and adapted to carry a plurality of work blanks, a transfer member slidably supported on said frame and pivotally connected to said magazine, means for moving said transfer member transversely of the axis of said spindle whereby a work blank carried thereby is positioned in axial alignment with one of said chucks, a tool slide slidably supported by said frame, an accelerated spindle slidably supported in said tool slide, chuck means carried by said accelerated spindle, and means for moving said accelerated spindle in predetermined timed relation to the movements of said transfer member whereby a work blank is positioned in said chuck.

1,980,441
RESINOUS METAL COMPOUNDS
Paul Lawrence Salzberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1930, Serial No. 496,814
19 Claims. (Cl. 260—8)

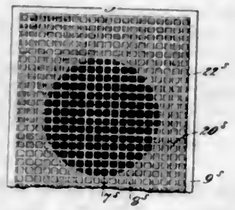
1. A process which comprises forming an acid ester by heating a polyhydric alcohol, having the hydrogen atom of at least one hydroxyl group replaced by a monobasic organic acid radical, with a polybasic organic acid in proportion to form the acid ester, and thereafter neutralizing the acid ester with a compound of a metal capable of forming the metal salt thereof, said acid radical being that of an acid selected from the group consisting of fatty oil acids and resin acids.

1,980,442
CAR COUPLER
Alfred C. Schmohl, Beaver Falls, Pa., assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa., a corporation of Pennsylvania
Application April 29, 1931, Serial No. 533,601
5 Claims. (Cl. 213—188)



1. In a car coupler, in combination, a drawhead, a coupling link, an opening in the face of said drawhead for the reception of the coupling link, a plate within the opening adapted to rest upon said link, a ferrule connected to said plate slidably mounted within the drawhead, and a coupling pin adapted to extend through said ferrule, plate and coupling link.

1,980,443
METHOD OF MAKING INTAGLIO PRINTING PLATES
Oswald R. Schultz, New York, N. Y.
Application March 3, 1931, Serial No. 519,712
17 Claims. (Cl. 95—5.6)

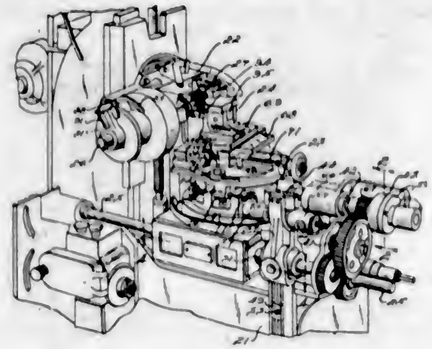


1. In the formation of intaglio printing plates from intaglio screened copy reliefs comprising making copy reliefs for intaglio printing which includes, photographing the object to produce in negative an object image on a photographic plate, retouching the object image appearing on said plate, blocking out the margins and uncolored portions of said object image, photographing said object image and a screen having opaque lines so that both the object image and the screen will be pictured on a second photographic plate with the object appearing thereon in positive, the opaque lines in negative and the blocked out portions of the object appearing unscreened, exposing a sensitized copy material through said second plate to the action of light, then treating said exposed copy material to produce thereon the copy relief, casting a hardenable plastic material onto said relief and thereafter stripping the same from said relief.

1,980,444
METHOD AND MEANS OF PRODUCING HOBS
George R. Scott, Norfolk, Va.
Application October 10, 1931, Serial No. 568,031
19 Claims. (Cl. 82—12)

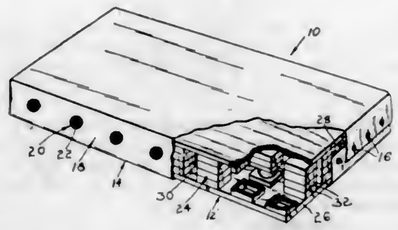
1. Apparatus for producing hobs comprising a rotatable work piece support and a tool carrying table which is rotatable in synchronism therewith, means for feeding said tool toward said work piece, means for feeding said tool angularly

thereof, and means for advancing and retracting the rotation of the table at predetermined intervals.



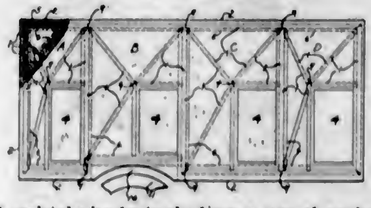
4. The combination with a machine for cutting a thread in a work piece having a rotatable support therefor and a tool carrying table which is rotatable in synchronism therewith, of means for advancing the tool relative to the work piece for machining a groove therein, means for advancing the tool angularly about the center of the table for machining the sides of the groove to form a thread having sides of predetermined contour, said thread having grooves cut thereacross in angularly disposed relation to the gap therebetween for forming a plurality of teeth, and means for periodically advancing and retracting the table angularly during the side machining operation of the teeth for relieving the side cutting edges thereof.

1,980,445
MATTRESS
Max Sherover, New York, N. Y.
Application April 27, 1932, Serial No. 607,829
1 Claim. (Cl. 5—345)



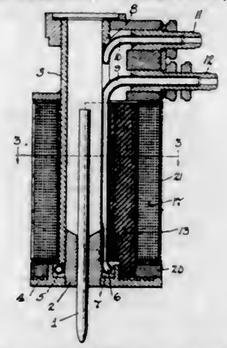
In a cushioning means for disposing a resiliently soft supporting surface in a predetermined contour, and in which, when a form is disposed upon such surface, the latter will tend to conform to the contouring of the form, which comprises a body made up of a plurality of uprights of resilient, porous sponge rubber, and coverings of a similar material defining surfaces at the opposed ends of the uprights, the uprights being secured to the coverings to extend substantially perpendicularly thereto when the coverings assume a normal, non-deflected contour, the uprights including a plurality of superposed sections, the sections secured to one of the coverings being greater in extent than other sections, one of the other sections having a cavity formed therein, and one of the other sections being solid but of reduced extent.

1,980,446
REFRIGERATOR VEHICLE BODY
Wray B. Smith, Atlanta, Ga.
Application January 12, 1932, Serial No. 586,217
3 Claims. (Cl. 296—31)



1. A vehicle body including a panel embodying a framework including parallel members, diagonal braces between the parallel members to absorb the torsional stresses, an insulating material arranged between and surrounding said braced framework, and a protective covering for the exposed surfaces of said insulating material.

1,980,447
ARC WELDING APPARATUS
Wilmer E. Stine, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1931, Serial No. 529,999
8 Claims. (Cl. 219—8)



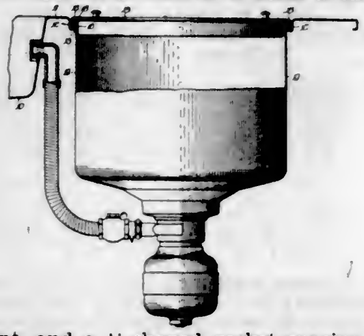
4. In electric arc welding apparatus, the combination of electrode gripping and supporting means, an electro-magnet coil around said electrode, and a core of magnetic material within said coil and extending only partially around said electrode.

8. In electric arc welding apparatus, the combination of electrode gripping and supporting means, an electro-magnet coil around said electrode, a core of magnetic material within said coil, and means shielding said core and coil from the arc comprising a metallic plate of high electrical resistance positioned around the electrode and across the ends of said core and coil adjacent the operating end of the electrode.

1,980,448
SUSPENSION JOINT
Edgar S. Stoddard, Berwyn, Ill., assignor to The Conover Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1931, Serial No. 545,607
2 Claims. (Cl. 248—16)

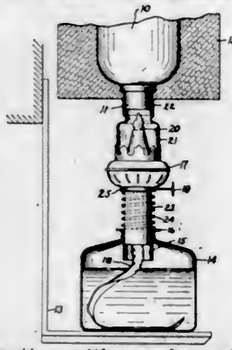
1. In combination, a sink shelf having a cylindrical flange provided with an inwardly and upwardly turned edge spaced therefrom to form a supporting channel, a tank provided with an outwardly and downwardly turned upper edge, said

downwardly turned edge being removably fitted into said supporting channel to form a suspen-



sion joint, and a U-shaped gasket spacing said edges and supporting the weight of said tank.

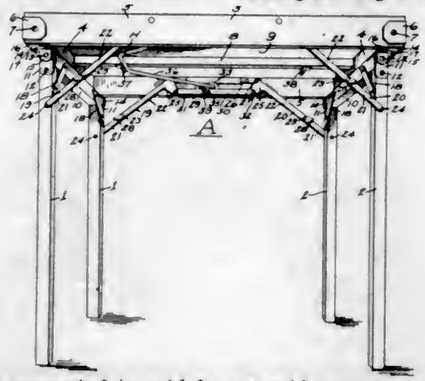
1,980,449
FLUID FUEL BURNER
Oskar Erik Birger Sundblad and Bengt Axelsson Grahn, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware
Application June 15, 1933, Serial No. 675,878
In Germany June 21, 1932
1 Claim. (Cl. 158—94)



In combination with an element to be heated provided with a vertical heating flue, a reservoir for liquid fuel having a circular opening in the top thereof, a cylindrical sleeve fixed in said opening, a support for said reservoir below the lower end of said flue, a wick type fuel burner having an upwardly extending chimney and a depending tubular portion affording communication with said reservoir and reciprocable in said sleeve, and a coil type spring around said tubular portion between said burner and a flange on the upper end of said sleeve to urge said burner upwardly with respect to said reservoir to normally maintain the upper end of said chimney in coextensive relation with the lower end of said flue.

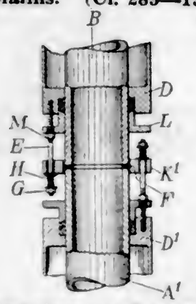
1,980,450
ARTICLE OF FURNITURE OF THE FOLDING TYPE
Charles J. Symmonds, Chevy Chase, Md.
Application April 26, 1934, Serial No. 722,575
4 Claims. (Cl. 45—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An article of furniture of the folding type comprising a frame having ends, a unitary leg member pivoted thereto at each end, common control means, leg moving means connected to said common control means and said unitary leg members, a friction bearing and guide member associated with certain of said leg moving means



and connected to said frame, said common control means comprising a bail link and means provided thereon contacting with said friction bearing and guide member to operate said leg moving means upon the operation of said common control means.

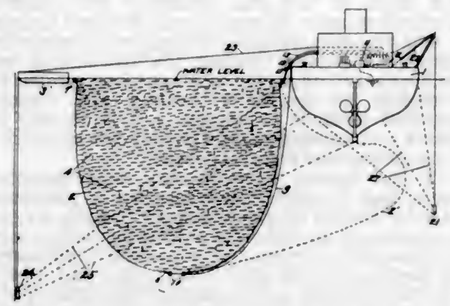
1,980,451
TUBE JOINT
Fred L. Taylor, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 17, 1932, Serial No. 617,728
2 Claims. (Cl. 285—130)



1. In a coupling structure for connecting a pair of flow tubes both of difficultly machinable metal and arranged end-to-end, at least one of said tubes being arranged within a jacketing tube, for a temperature controlling medium, of substantially greater diameter than the enclosed tube and presenting at its end an inwardly projecting shoulder tightly encompassing the enclosed tube, and arranged adjacent the mating flow tube, a separate collar mounted on said mating tube in alignment with the shoulder of said jacket, means for holding said collar against movement along the carrying tube and toward said jacket, and draw bolts mounted in said collar and threaded into said shoulder.

1,980,452
FISHING METHOD AND APPARATUS
Reuben S. Tice and Mary H. Littlefield, Monterey, Calif.; said Tice assignor to said Littlefield
Application January 10, 1934, Serial No. 706,047
17 Claims. (Cl. 43—4)

1. The method of fishing which comprises creating an electrified zone in the water and moving said zone around the area containing the fish so



as to concentrate them into a school, then surrounding the concentrated fish with a purse seine.

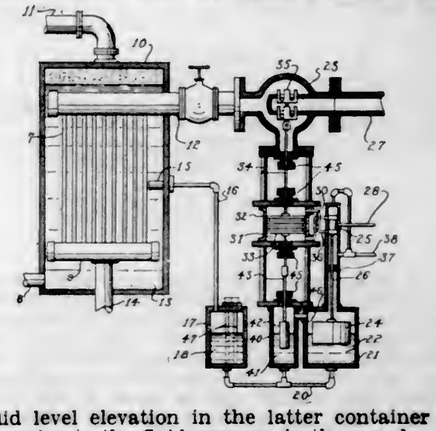
1,980,453
ORNAMENTAL DISPLAY DEVICE
Harry W. Tucker, Shaker Heights, Ohio, and William S. McLeish, New York, N. Y.
Application December 23, 1932, Serial No. 648,531
6 Claims. (Cl. 40—148)



1. A display device comprising two sheets of flexible resilient material secured together along one edge by a substantially limp connection, openings therethrough, means for securing other sheets of material to said first mentioned sheets so that they may be viewed through the openings, and a supporting means common to said two first mentioned sheets and causing them to mutually flex each other.

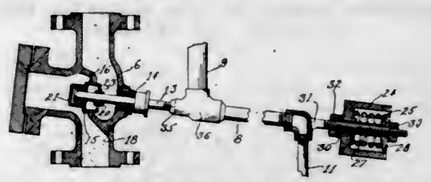
1,980,454
TEMPERATURE CONTROLLING MEANS
Vincent V. Veenschoten, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application January 23, 1932, Serial No. 588,312
7 Claims. (Cl. 236—18)

1. Apparatus for regulating the temperature of a fluid, comprising a vessel containing a fluid submerged in the fluid to be regulated, means for passing heat energy to the liquid, a valve for regulating the flow of said heat energy, a plurality of containers each containing a liquid and with the lower portions of the containers in communication with each other, means in one of the containers operatively associating the liquid surface therein with the said valve, and means causing the liquid level elevation in the latter container to be responsive to the movement of the valve, the upper portion of one of the containers being in communication with the vessel, whereby the



liquid level elevation in the latter container is responsive to the fluid pressure in the vessel.

1,980,455
VALVE FOR FEED WATER REGULATORS
Vincent V. Veenschoten, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application April 22, 1932, Serial No. 606,790
3 Claims. (Cl. 251—46)

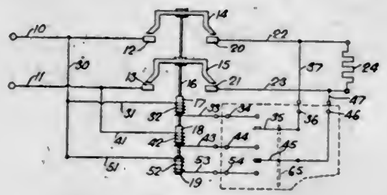


1. A valve comprising a casing, a valve seat threaded into said casing, a valve stem and a valve closure, and a stem guide, said seat being positioned between said closure and said guide, said stem projecting loosely through said guide, said seat and said closure, an enlargement on the inner end of the stem, said guide being connected to the seat and having fluid passageways therethrough, and said seat and guide being annular.

1,980,456
ELECTROMAGNETICALLY OPERATED SWITCH
Alfred P. Walker, Jr., Pelham Manor, N. Y., assignor, by mesne assignments, to Burnham Boiler Corporation, Irvington, N. Y., a corporation of New York
Application November 14, 1928, Serial No. 319,341
Renewed January 16, 1932
19 Claims. (Cl. 175—375)

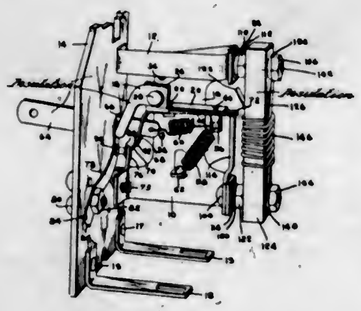
1. In an electromagnetically-operated switch, the combination with a plurality of pole members adapted to be connected respectively to line conductors, of a plurality of contact members adapted to contact respectively with said pole members, whereby conducting relations are established between a normally dead current-consuming device and live line conductors, electromagnetic means for moving said contact members into circuit-closing contact with said pole members, a control circuit for actuating said electromagnetic means comprising portions adapted to energize said means, said portions being connected respectively about said contact

members, and a series connection for said portions normally at the potential of the dead side of said contact members.



19. In a circuit of the class described, a source of current, a load, a switch interposed between said current supply and said load for completely disconnecting said load from said source, and electrically operated actuating means for closing said switch, said means being connected across said switch and in such a way as to receive the full potential thereof when said switch is open, and to receive only a substantially small potential thereof when the switch is closed.

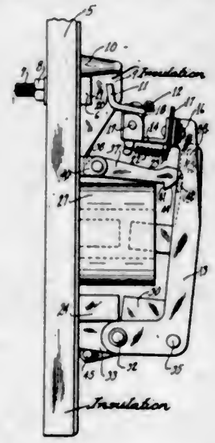
1,980,457
SWITCH
Calvin J. Werner, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 27, 1932, Serial No. 639,750
14 Claims. (Cl. 200—116)



1. A switch, comprising in combination, an insulating mounting having an aperture therein, brackets secured to said mounting, a contact carrying member secured to said mounting, a resilient contact carrying member also secured to said mounting, said contact carrying members having contacts mounted thereon and in cooperative relation, said resilient contact carrying member being normally biased so as to cause said contacts to engage, a cam rotatably mounted on one of said brackets and located in position to engage said resilient contact carrying member, a lever arm secured to said cam and rotatably mounted therewith, a member slidably mounted on said lever arm and having an angularly projecting extension at one end, a resilient member urging said cam against said resilient contact carrying member and overcoming the said normal biasing force to separate said contacts, a thermostatic latch positioned to engage the slidably mounted member and hold said cam away from said resilient contact carrying member against the urging of said resilient member, a heating element associated with said thermostatic latch and electrically connected to one of said contacts which element if sufficiently heated causes said latch to flex and disengage said slidably mounted member to permit said resilient member to separate said contacts, and a manual operating member extending through the aperture in said mounting and engaging said angularly projecting extension for manually causing said slidably mounted member to engage said latch and for sliding said slidably mounted member to cause it to be disengaged from said latch.

12. In a switch, a thermostatic latch assembly, comprising in combination, a strip of insulating material having an opening therethrough, a heater coil wound on said strip so that the turns thereof cross said opening, a thermostatic latch member secured at one end to said strip and having a portion thereof surrounded by the turns of said coil, means for making connections to said coil, and means for mounting said strip on the switch.

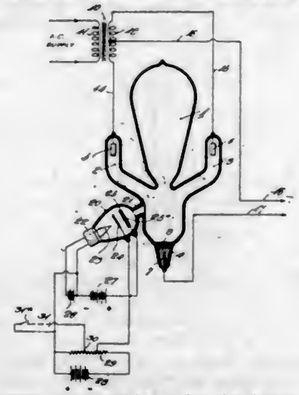
1,980,458
LATCHED-IN CONTACTOR RELAY
Raymond Westerfelhaus, St. Louis, Mo., assignor to Frank Adam Electric Co., St. Louis, Mo., a Corporation of Missouri
Application August 14, 1931, Serial No. 557,071
6 Claims. (Cl. 200—87)



1. A magnetic switch including in combination, a fixed contact, a movable contact, a carriage frame for said movable contact, means for latching said carriage frame in circuit-closing position, a magnet coil, an armature and armature frame therefor, and means including a roller pivotally and slidably carried by said armature frame, effective to open said switch upon alternate energizations of said magnet coil.

1,980,459
METHOD AND APPARATUS FOR CONTROLLING MERCURY ARC RECTIFIERS
Edwin L. White, Chevy Chase, Md.
Application February 19, 1932, Serial No. 594,139
11 Claims. (Cl. 175—363)

1. A mercury arc rectifier including a tube enclosing a plurality of discharge paths, an extension on said tube, a grid glow tube connected with said extension with the axis of said grid glow tube aligned with at least a portion of one of said discharge paths, a plurality of electrodes within said grid glow tube including a cathode, a control grid and an anode, and means for projecting electrons from said grid glow tube through said anode into the discharge paths in



said mercury arc rectifier for ionizing the paths in said mercury arc rectifier tube.

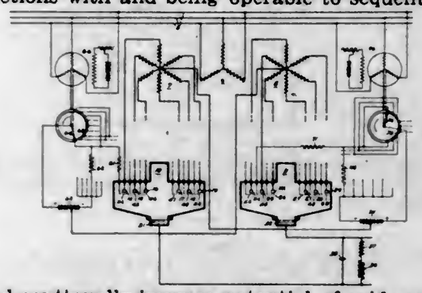
1,980,460
ADJUSTABLE SPRAY NOZZLE
Sanford E. White, Santa Monica, Calif.
Application November 8, 1933, Serial No. 697,155
2 Claims. (Cl. 299—131)



1. A spray nozzle body having a cylindrical passageway longitudinally therethrough, one end thereof being adapted to be connected with a hose, a cylindrical sleeve, open at both ends and slidably fitting within said body and having at its outer end a valve portion connected with the body of the sleeve with arm portions, the outer end of said nozzle body having an annular valve seat around the outlet thereof to receive and be closed by said valve portion, an operating member inserted transversely through the wall of said nozzle body, and operating connections between said operating member and said sleeve, said connections being a rack on the outside of said sleeve and a gear inside of said nozzle body and operating on said rack, when said operating member is turned, whereby said sleeve is moved longitudinally to move said valve portion to and from said valve seat in the outer end of said nozzle body.

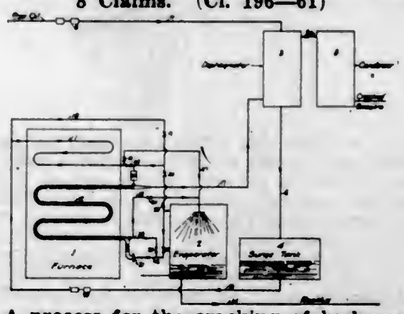
1,980,461
ARCING FREQUENCY CHANGING SYSTEM
Stefan Widmer, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application June 15, 1932, Serial No. 617,400
In Germany June 15, 1931
5 Claims. (Cl. 172—281)

5. In a system for converting alternating current of one frequency into alternating current of another frequency, a pair of alternating current rectifiers each comprising a cathode, a plurality of anodes, and a plurality of control electrodes severally associated with the said anodes thereof, an alternating current input circuit, an alternating current output circuit, transformer means comprising a pair of secondary windings each divided into a plurality of star-point connected phase-displaced sections, the phase-displaced sections of each said winding being severally connected with the anodes of a different one of said rectifiers and the star-point connection thereof being connected with the said cathode of the other of said rectifiers and with said output circuit, source of control current connected with and imparting to said control electrodes of each said rectifier potential of sign and magnitude more negative than the potential of the cathode thereof, distributor switch means having connections with and being operable to sequentially



and continually impress potential of said sources of control current momentarily on the control electrodes of each said rectifier alternately of sign and magnitude more positive than the cathode thereof and at such varied recurring periods as to permit such recurring sequential initiation of flow of current through said anodes as to supply substantially sine wave alternating current of predetermined frequency to said output circuit relative to the voltage frequency of said input circuit.

1,980,462
CRACKING OF PETROLEUM VAPORS
Andrew McGregor Wood, Miri, Sarawak, Borneo
Application January 14, 1931, Serial No. 508,671
8 Claims. (Cl. 196—61)

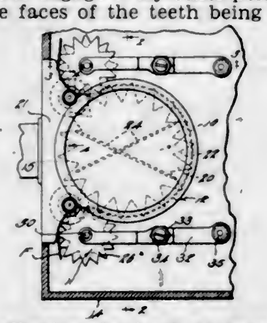


1. A process for the cracking of hydrocarbon oil in the vapor phase comprising heating a tubular stream of oil to a temperature insufficient for cracking, partly vaporizing the oil and separating resultant vapors from the liquid oil, passing the vapors thus freed from the liquid oil again through the heating zone at a cracking temperature, counter current to the stream of liquid oil in indirect heat exchanging relationship therewith, and heating the vapor stream to vapor phase cracking temperature during such passage.

1,980,463
FILM-HANDLING MECHANISM
Walter L. Wright, Santa Monica, Calif., assignor to Synchrome Corporation, Los Angeles County, Calif., a corporation of California
Application May 31, 1930, Serial No. 458,429
11 Claims. (Cl. 271—2.4)

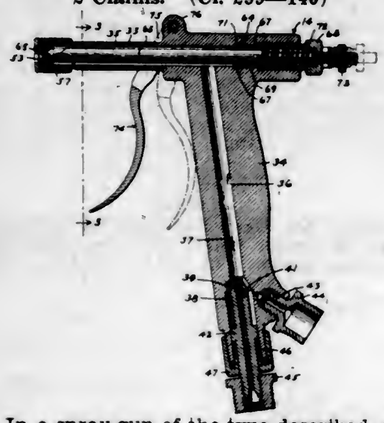
1. A mechanism for handling a film perforated at its margins including, a main sprocket having

teeth spaced to engage every other perforation of the film, the faces of the teeth being outwardly



convergent allowing the teeth to enter the perforations of the film so that the film is supported on the teeth.

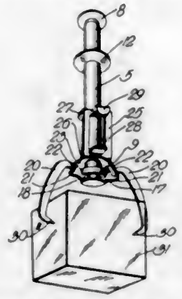
1,980,464
PAINT SPRAYING APPARATUS
Guy A. Yedd, Oakland, Calif.
Application May 8, 1931, Serial No. 535,866
2 Claims. (Cl. 299—140)



1. In a spray gun of the type described, a body providing a tubular discharge barrel, a valve stem disposed axially in said barrel and of less size than the body bore whereby to define a fluid passage therealong, a conical valve carried at the forward end of said stem, and a member fixed at the forward end of said barrel and comprising a sleeve portion fittedly engaged in the barrel bore and slidably receiving the stem and a transverse outer end portion providing a discharge port axially therethrough and for control by said valve, said first portion of said member having longitudinal slots to provide laterally spaced fluid passages along the valve stem portion, said slots terminating at the inlet mouth of said discharge port whereby fluid discharged therefrom is directed radially inwardly against said valve.

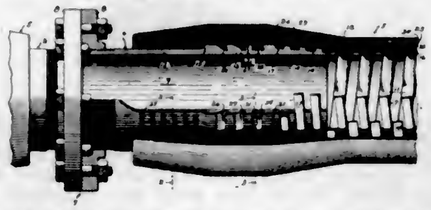
1,980,465
ICE CUBE TONGS
Alfred H. Ackerson, Glen Ellyn, Ill., assignor to Utili-Tong, Inc., Chicago, Ill., a corporation of Illinois
Application November 25, 1932, Serial No. 644,300
3 Claims. (Cl. 294—115)

1. In a tongs having a tubular body portion and a stem mounted for reciprocal movement therein, the combination of a grooved collar press fitted over the lower end of said stem, a second collar press fitted over the lower end of said body portion and having integral angularly extending yoke portions, tong members having cam portions and hook portions, said members being passed through said yoke portions to engage said



cam portions in said grooved collar and to engage said hook portions about said yoke portions, and a spring member normally maintaining said stem in raised position to close said tongs.

1,980,466
HOSE CONNECTION
Jose M. Angeja, Oakland, Calif.
Application February 23, 1932, Serial No. 594,488
4 Claims. (Cl. 285—80)

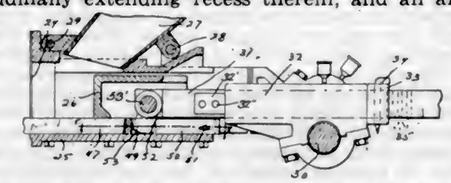


1. In a jointure of the character described, a hose comprising an inner layer of liquid-pervious fabric defining the hose bore and terminating short of the hose end, a layer of rubber composition overlying the fabric layer and extending from the hose end for the length of the hose, a pipe element disposed within the hose bore to extend inwardly of the end of said fabric layer and providing a shoulder extending circumferentially therearound opposite the end of said fabric layer, a layer of the rubber composition interposed between the element and fabric layer and joining the first layer of rubber composition beyond the end of the said fabric layer whereby the latter is completely embedded in the rubber composition at the pipe element, a second fabric layer extending from the said hose end and engaging about said first layer of rubber composition, and a tying member tensionally encircling said second fabric layer and first layer of rubber composition outwardly of said shoulder of the pipe, said rubber layers vulcanized in their places and to the elements contacted by them.

1,980,467
STOKER
Royce L. Beers, Detroit, Mich., assignor to Detroit Stoker Company, Detroit, Mich., a corporation of Michigan
Original application November 30, 1928, Serial No. 322,832. Divided and this application December 19, 1931, Serial No. 582,137
8 Claims. (Cl. 74—579)

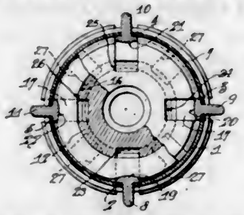
8. In a stoker, a fuel feeding mechanism including a ram, a driving rod therefor pivotally

connected thereto, a pusher bar having a longitudinally extending recess therein, and an arm



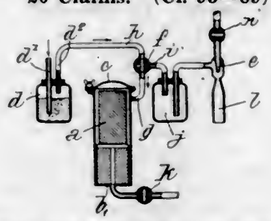
rigidly secured to the driving rod and projecting into the recess in said pusher bar.

1,980,468
PROCESS AND APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL FILAMENTS
Erich Brauer, Kelsterbach, near Frankfort-on-the-Main, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application April 9, 1932, Serial No. 604,250
In Germany April 25, 1931
5 Claims. (Cl. 242—72)



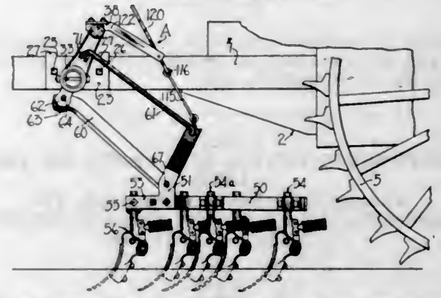
5. In a spool, in combination, a perforated cylindrical portion provided with a plurality of slots, said slots running longitudinally of the cylinder, a plurality of T-shaped bars adapted to fit within and extend through said slots, and means comprising a spool holder for resiliently holding said bars in position in said slots, said spool holder being grooved circumferentially at a plurality of positions, and having resilient rings within said grooves.

1,980,469
DEVICE FOR CONTROLLING THE ACTION OF A FLUID
Jean Breton, Bellevue, France
Application January 11, 1933, Serial No. 651,125
In France January 16, 1932
20 Claims. (Cl. 95—89)



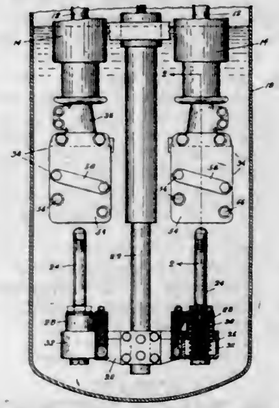
1. A device for controlling the action of a gas soluble in a liquid on an object, which comprises in combination, a vessel adapted to receive said object, means for closing said vessel in a fluid-tight manner, a vacuum trompe worked by means of a liquid in which the gas in question is soluble, means for feeding said gas, and means for connecting said vessel alternately with said trompe and with said gas feeding means, whereby the trompe, when connected with said vessel, both exhaust the gas therefrom and dissolves said gas in the liquid above referred to.

1,980,470
CULTIVATOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 20, 1933, Serial No. 672,002
23 Claims. (Cl. 97—47)



1. A cultivator comprising a wheel supported frame, a pair of cultivating rigs movably supported at one side of said frame, and means for raising and lowering said rigs in upwardly converging paths, whereby said rigs approach each other as they are raised.

1,980,471
CIRCUIT INTERRUPTER
George A. Burnham, Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, Boston, Mass., a corporation of Massachusetts
Application November 28, 1932, Serial No. 644,658
8 Claims. (Cl. 200—150)



1. A circuit interrupter comprising means providing an oil containing pressure-generating chamber and a tortuous outlet passage therefor having a free opening into the bottom of said chamber at the bottom of the oil body therein, a contact member in said chamber, a cooperating contact member having its arcing end movable along the length of a tortuous part of said outlet passage into and out of engagement with said first contact member, said chamber being substantially closed except for said outlet passage, and means for normally maintaining said chamber and outlet passage full of oil.

1,980,472
BALL
Joseph W. Clarke, St. Louis, Mo., assignor of one-half to Hugh K. Wagner, St. Louis, Mo.
Application July 15, 1929, Serial No. 378,198
7 Claims. (Cl. 273—60)

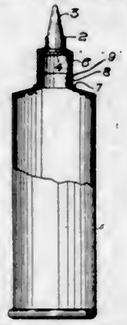
1. A prepared blank of covering material for a ball having an edge portion adapted to be folded

over, the line of the fold being provided with a series of perforations preformed for receiving a lace, and the free edge of said edge portion being



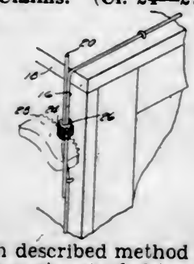
nicked in staggered relation to said perforations to prevent buckling in folding the edge portion over the body of the blank.

1,980,473
DISPENSING DEVICE FOR PASTE OR THE LIKE
Thomas N. Coffelder, Pittsburgh, Pa.
Application August 8, 1931, Serial No. 555,875
1 Claim. (Cl. 221—60)



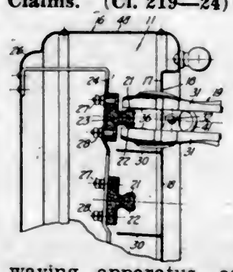
In a container for dispensing paste or the like a combined dispensing and sealing means comprising an adaptor having a screw thread for engagement with the threaded portion of the nozzle end, and having a cylindrical nozzle at one end and a valve disposed in said nozzle, said valve having a cylindrical body portion intimately engaging the inner wall of the nozzle and having a flange contiguous with said cylindrical body portion which, together with the cylindrical portion, constitutes the seal for protecting the contents of the tube against the atmosphere, and said valve being further provided with a tapered portion of substantial length which is adapted to project outwardly of the dispensing nozzle and which, when depressed, provides a dispensing opening of regulable area.

1,980,474
METHOD OF MAKING WIREBOUND BOXES
Gus L. Colbie, Brooklyn, N. Y., assignor to F. MacGovern Corporation, New York, N. Y., a corporation of New York
Application April 23, 1932, Serial No. 607,098
3 Claims. (Cl. 24—27)



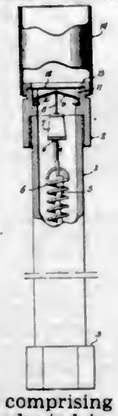
1. The herein described method of splicing the ends of a binding wire stapled to and around the outer surfaces of a box, which method comprises arranging oppositely extending ends of said wire closely adjacent and parallel one to another, with each of said ends projecting beyond a motion-restraining means permanently associated with such box such as a staple driven into such box around another portion of said wire or a section of the wire bent around a box corner, grasping a relatively short portion of said overlapping wire sections at a point intermediate of said restraining means by suitable twisting mechanism and causing them to rotate one about the other at the point so grasped; whereby, the free ends of said overlapping wire sections being held in their original positions by said restraining means, oppositely coiled double helices of intertwisted wire sections will be formed extending in opposite directions from the point grasped by said twisting mechanism.

1,980,475
HAIR WAVING APPARATUS
William H. H. Davis, San Francisco, Calif., assignor to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application January 3, 1933, Serial No. 649,848
4 Claims. (Cl. 219—24)



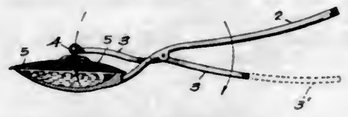
4. In hair waving apparatus, an electrical heater unit comprising a plurality of metallic members in which heat can be stored, said members being formed to embrace a round strand of hair, and electrical heating means associated with said members, the terminals of said heating means being electrically connected to said members, whereby said members serve as electrical contactors.

1,980,476
LIQUID FUSE
Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application November 21, 1932, Serial No. 643,593
4 Claims. (Cl. 200—120)



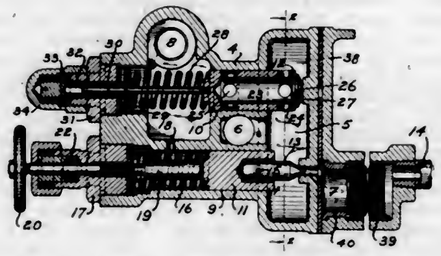
1. A liquid fuse comprising an insulating tubular body portion adapted to contain an arc extinguishing liquid and having upper and lower contacts, means located within said tube including a fuse link for normally electrically connecting said contacts, said upper contact being an open ring and having screw threads, a rupturable diaphragm closing said upper contact, a clamping ring nut screwed upon said upper contact for clamping said diaphragm in place, and a vapor and liquid shield carried by said clamping ring and removable therewith as a unitary structure.

1,980,477
SPOON
Charles A. Ertola and Arthur L. Slee, San Francisco, Calif.
Application October 30, 1933, Serial No. 695,793
4 Claims. (Cl. 30—22)



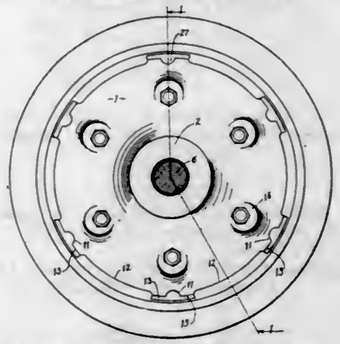
1. A new article of manufacture comprising a pair of pliers having a bowl formed upon one jaw thereof; and a flexible cover mounted upon the other jaw of said pliers for covering said bowl, said cover being arranged to be moved into said bowl when said pliers are closed to extrude the contents of said bowl therefrom.

1,980,478
FLUID PRESSURE CONTROL MECHANISM
Herman C. Frentzel, Jr., Milwaukee, Wis., assignor, by mesne assignments, to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 19, 1931, Serial No. 523,703
3 Claims. (Cl. 137—153)



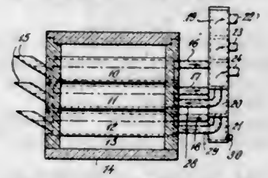
1. In combination, a casing forming a chamber having a pair of bores of uniform cross-section communicating therewith throughout the full cross-section of both bores, a plunger slidable along each of said bores, a fluid intake communicating with said chamber to subject said plungers to pressure over the entire cross-sectional areas thereof, resilient means for urging said plungers toward said chamber in opposition to the fluid pressure therein, a fluid outlet communicating with said chamber, a valve carried by one of said plungers for controlling the delivery of fluid through said outlet, and a fluid pressure relief passage communicating directly with both of said bores remote from said chamber, the other of said plungers having an end portion movable into said chamber and provided with lateral ports exposed to said passage and to said chamber respectively only when said portion enters said chamber for permitting escape of fluid from said chamber through said other plunger to said relief passage.

1,980,479
WHEEL
Chauncey W. Gannett, Wellington, Ohio, assignor to The Wellington Machine Company, Wellington, Ohio, an organization of Ohio
Application March 25, 1932, Serial No. 601,245
6 Claims. (Cl. 301—63)



6. In a disc type wheel, a rim having an inwardly radially extending rib portion, a pair of outwardly axially dished discs of sheet metal, the peripheries of the discs and the rim having circumferentially spaced cooperating surfaces wedgingly engageable, the portions of the discs and the rim intermediate said circumferentially spaced engageable surfaces being spaced apart, securing means for drawing the discs together with the circumferentially spaced surfaces of the rim and the discs in rigid wedging engagement, and mutually interlocking means on the rim and discs preventing relative rotative movement.

1,980,480
PURIFYING ZINC METAL
Philip M. Ginder, George T. Mahler, and Howard M. Cyr, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application January 10, 1933, Serial No. 650,982
6 Claims. (Cl. 75—28)

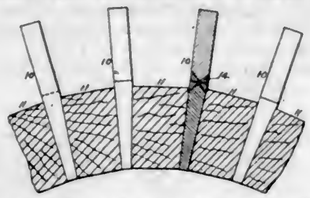


1. The method of purifying zinc metal which comprises distilling a plurality of baths of impure molten zinc metal in a series of separate retorts, passing the impure zinc vapor from each of said retorts through an individual reflux column where a substantial amount of said vapor is condensed to molten zinc, and permitting the condensed zinc refluxing back from each of said columns to flow into the retort in the series, following the retort delivering impure zinc vapor thereto.

1,980,481
ACIDPROOF BEATER BAR
Frank M. Gloyd, Dayton, Ohio, assignor to Simonds Worden White Company, Dayton, Ohio, a corporation of Ohio
Application June 23, 1931, Serial No. 546,218
1 Claim. (Cl. 92—22)

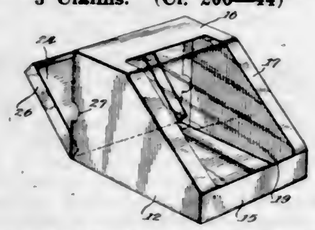
A beater bar comprising a bar of steel adapted to serve as the lower part thereof, a bar of stain-

less steel, and an intervening stratum of steel uniting said bars and attached to each by fusion,



said intervening stratum being in cross section substantially the shape of an hour glass.

1,980,482
CONTAINER
Louis J. Golden, Highland Park, Ill., assignor to B. & B. Shoe Company, Chicago, Ill., a corporation of Illinois
Application April 18, 1931, Serial No. 531,055
3 Claims. (Cl. 206—44)



1. A non-collapsible container of the character described, comprising a bottom, a pair of side walls, a front wall of less height than the rear edge of said side walls, a top wall of less width than said bottom wall, and an inclined wall joining said front and top walls, said inclined and top walls having a substantial central area cut out therefrom to form a relatively large front opening, means for closing said opening comprising a flexible transparent sheet, and a hingedly mounted member for closing the rear end of said container, said closure member being securely held in closed position by frictionally engaging the sides of said container.

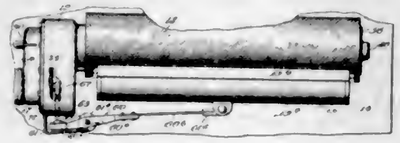
1,980,483
RESIN AND RESIN FORMING COMPOUND
Rowland Hill, Blackley, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 3, 1932, Serial No. 641,113. In Great Britain November 17, 1931
11 Claims. (Cl. 260—2)

1. Polymeric alpha methyl methacrylate resin being characterized by its thermoplasticity, toughness, and hardness.

4. A molding composition comprising a thermoplastic polymeric alpha methyl methacrylate resin, said resin softening only above 100° C. and being capable of setting from a plastic moldable condition into a rigid solid within a comparatively small temperature range.

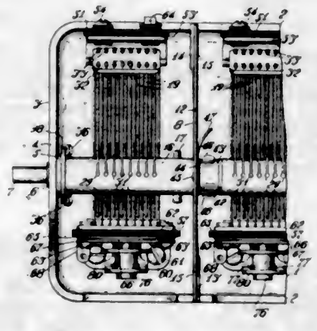
1,980,484
IRONING MACHINE
John T. Hume, Chicago, and Harold L. Hart, River Forest, Ill., assignors to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application February 25, 1932, Serial No. 594,980
13 Claims. (Cl. 68—9)

3. The combination in an ironing machine, of an ironing roll rotatable about a horizontal axis, an ironing shoe, means for rotating said roll, a lever supporting said shoe and pivoted to move above a vertical axis, and means for actuating



said lever to move said shoe toward and from said roll.

1,980,485
CONDENSER
Peter G. Jacobson, Chicago, Ill., assignor to Reliance Die & Stamping Co., Chicago, Ill., a corporation of Illinois
Application June 18, 1930, Serial No. 462,036
7 Claims. (Cl. 175—41.5)

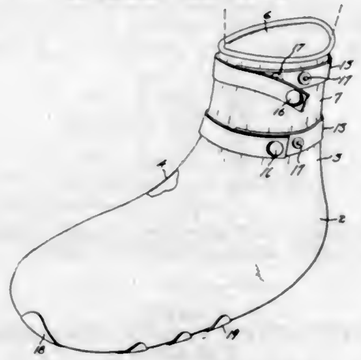


1. In a condenser, a rotatable shaft, a tubular sleeve adapted to be fitted about a portion of the shaft, there being a plurality of pairs of slots formed at intervals in the sleeve spaced longitudinally thereof, each pair of slots being positioned in the same plane perpendicular to the axis of the shaft and one at either side of the sleeve, the slots intersecting the cylindrical passage through the sleeve, there being enlarged openings formed at one pair of adjacent ends of each pair of slots, and a plurality of condenser plates, each plate being of substantially the same thickness as one of the slots, the plate being formed with a recess shaped to receive the portions of the sleeve remaining between the slots of a pair, this recess having a larger circular central portion to receive the shaft, the free edges of the plate at the open end of the recess being upset into the openings to rivet the plate to the sleeve.

3. In a condenser, a rotor element comprising a supporting shaft, there being a shallow annular channel formed in the shaft, a split slip-ring of conductive metal fitted in the channel, the edge portions of the shaft at the sides of the channel being rolled in over the edge portions of the slip-ring.

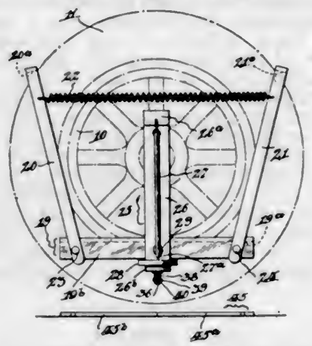
5. In a condenser, a capacity adjustment comprising a fixed condenser plate, a supporting post positioned at right angles to the plate but insulated therefrom, a spool slidably mounted on the post, the inner flange of the spool forming a movable plate member, a spring contact member engaging a portion of the spool remote from the fixed plate and urging the spool away from the fixed plate, and a screw for adjustably forcing the spool toward the fixed plate against the force of the spring.

1,980,486
SURGICAL FOOT COVERING
Le Roy M. King and Waldo E. Tournat, Oakland, Calif.
Application November 14, 1931, Serial No. 575,006
1 Claim. (Cl. 36—4)



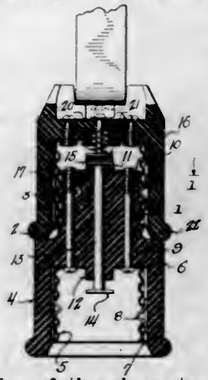
In a stocking of the character described, a liquid-proof foot-conforming body made of rubber sheeting and having an opening for the insertion or withdrawal of the foot, the portion of the body arranged to contain the ankle portion of the foot being disproportionately relatively large and the portion of the body adjacent and defining the opening being disproportionately relatively small, a plurality of spaced substantially parallel extending elastic bands carried by the body and arranged to encircle said last mentioned portion thereof when disposed about the foot, means to adjustably connect the ends of the bands, and a sole portion at the bottom of the body comprising a plurality of transversely extending strip portions and having its outer side provided with a non-skid surface.

1,980,487
INCLINATION GAUGE
David S. Klauder, Jr., Wyomissing Pa.
Application March 24, 1933, Serial No. 662,460
15 Claims. (Cl. 33—203)



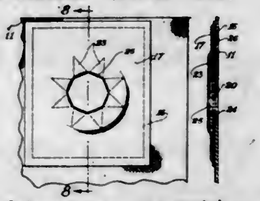
1. A device for registering the angle of inclination of an element which is adapted to effect tilting of a turnably mounted object, comprising a gauge adapted to be connected with said object for movement therewith and having in combination a tilt actuated indicator, and a substantially horizontally positioned dial adapted to cooperate with the latter and having a series of markings thereon extending in a straight line arranged obliquely with respect to the radius line of the arc of rotation of the dial center point.

1,980,488
SOCKET EXTENSION ADAPTER
William D. Kyle and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application February 14, 1930, Serial No. 428,353
4 Claims. (Cl. 173—344)



4. In a device of the character described, an electrical socket member having a fixed contact, a movable contact, and a short-circuiting switch operable by the movable contact and normally closed, in combination with an adapter having a portion receivable in the electrical socket member and having a socket, a metal ferrule within the socket of said adapter, means electrically connecting the ferrule with the fixed contact on said member, and movable contact means extending through the adapter for contact with the movable contact on said socket and for actuation thereof to open said switch.

1,980,489
UPHOLSTERING COVER
Howard F. Leopold, Chicago, Ill.
Application March 30, 1934, Serial No. 718,156
3 Claims. (Cl. 45—138)

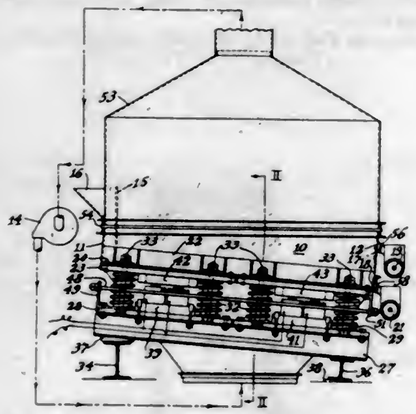


1. An upholstery cover comprising a sheet of flexible material having a series of sector portions formed therein providing a circular opening for the reception of a member projecting from the upholstery over which said cover may be arranged, a reenforcing member arranged upon said sheet around the perimeter of said opening and having said sector portions secured thereto, and a second reenforcing member arranged over said sector portions and first-named reenforcing member and secured to said sheet.

1,980,490
CONCENTRATOR
Martin J. Lide, Birmingham, Ala.
Application November 4, 1929, Serial No. 404,630
5 Claims. (Cl. 209—326)

2. In a separator, a separating pan having an inclined perforated bottom, a frame for the pan extending parallel to the bottom, a sub frame

extending parallel to the pan frame, supporting springs between the two frames, springs adapted to limit the upward movement of the pan, bolts joining the frames to adjust the compression of



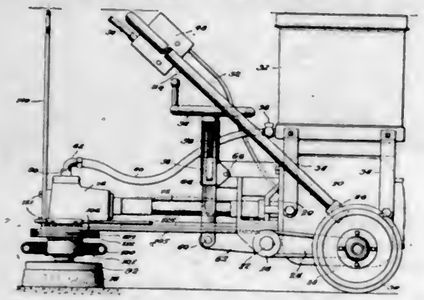
all of said springs, springs adapted to resist horizontal movement of the pan towards the upper end of the sub frame, and rigid means adapted to stop horizontal movement of the pan towards the lower end of the sub frame.

1,980,491

TERRAZZO GRINDING APPARATUS

Arthur William Mall, Chicago, Ill.

Application June 10, 1933, Serial No. 675,223
14 Claims. (Cl. 51—177)



1. The combination of a horizontally disposed motor, a flexible shaft extending therefrom, a wheeled support secured to said motor at one end thereof, a vertically disposed face grinding wheel supported at the end of said flexible shaft and cantilever spring means for supporting the same, said spring means extended from said wheel support.

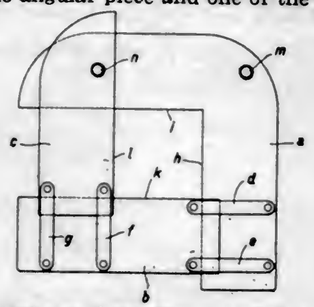
1,980,492

DIAPHRAGM RESTRICTING THE IMAGE FIELD IN APPARATUS FOR PROJECTION WITH TRANSMITTED LIGHT

Franz Meyer, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany

Application January 5, 1933, Serial No. 650,311
In Germany January 14, 1932
2 Claims. (Cl. 88—24)

1. A diaphragm restricting the image field in apparatus for projection with transmitted light, this diaphragm consisting of an angular piece of a dark translucent material and two other parts at least one edge of which is rectilinear, also these two other parts being of a dark translucent material, a parallel guide disposed between the angular piece and one of the said rec-



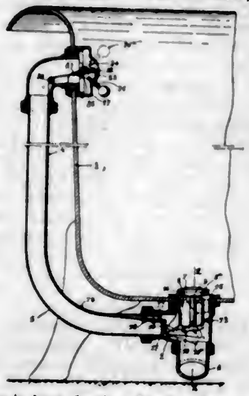
tilinear parts, and another parallel guide disposed between the two rectilinear parts.

1,980,493

EMPTYING DEVICE FOR BATHING-TUBS OR THE LIKE

Jacques Henri Morisseau, Paris, France

Application September 30, 1932, Serial No. 635,484
In France May 4, 1932
8 Claims. (Cl. 4—199)



1. An emptying device for bathing-tubs and the like, comprising an overflow tube, a valve located at the lower portion of said overflow tube and adapted to open and close the emptying orifice of said bathing-tub or the like, a lever supporting said valve, an oscillating handle located at the upper end of said overflow tube, a spindle on said handle and flexible means pivoted at one end to said spindle and at the other end to said lever, two journals supporting said lever, recesses in the wall of said emptying orifice for receiving said journals, said recesses being preferably so arranged that the forces exerted upon said lever by said flexible means and by said valve apply said journals against the bottom of said recesses.

1,980,494

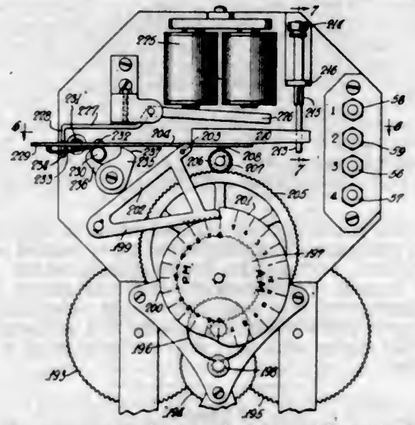
SIGNALING AND RECORDING SYSTEM

Jamin S. Morse, New York, N. Y.

Application October 30, 1931, Serial No. 572,017
16 Claims. (Cl. 234—37.5)

1. In an electrical signaling and recording system for recording the tours of duty of a plurality of watchmen, said recording being simultaneously accomplished upon a single record for all of said watchmen together and upon separated records, one for each watchman, the former serving to indicate the location of the watchman and the latter to indicate the activity of the watchman for

immediate reference, an automatic signaling arrangement including a clock mechanism, a cam-shaped dial with elevated and depressed portions driven from said clock mechanism, a gearing arrangement between said dial and said clock mechanism to rotate said dial once in every twenty-four hour periods, a follower associated with said cam-shaped dial, a worm driven by said clock mechanism, a normally open contact arrange-



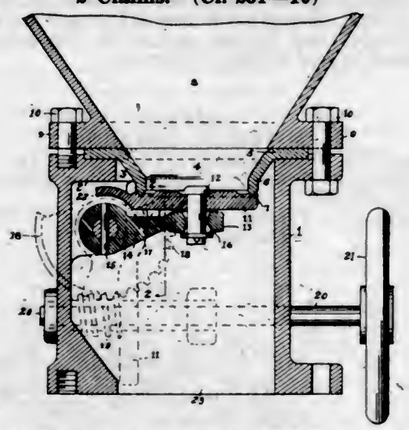
ment, a contact closing device, said contact arrangement being driven by said worm against said device, means associated with said follower and with said contact arrangement to prevent actuation of said contact arrangement upon contact of the follower with the elevated portions of said dial, a manually operated device and means for disengaging said contact arrangement and said worm incidental to operation of said manual device.

1,980,495

VALVE

James F. Muir, Brookline, Mass.

Application April 16, 1931, Serial No. 530,482
Renewed April 4, 1934
2 Claims. (Cl. 251—10)



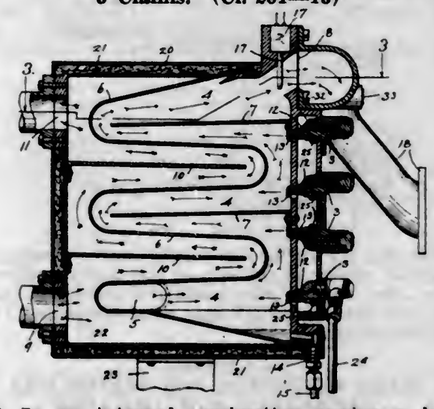
1. In a valve construction, a casing, a downwardly-facing valve-seat at its upper side, a shaft, an arm carried thereby, a valve member carried by the arm for moving the valve member to the seat and away therefrom, and a shield carried by the valve at the edge thereof nearest the shaft and closing the space between the valve-seat and the valve member at the said edge when the valve is moving from closed to open position.

1,980,496

LOW GRADE FUEL VAPORIZER FOR INTERNAL COMBUSTION ENGINES

Harry E. Musselwhite, Portland, Oreg., assignor to Leslie E. Crouch and David W. Cushman, both of Portland, Oreg.

Application June 24, 1933, Serial No. 677,388
3 Claims. (Cl. 261—13)



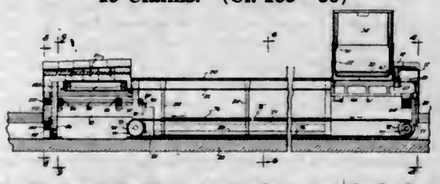
1. In an internal combustion engine a low-grade fuel vaporizer comprising a fuel-tank, a housing divided by a partition into adjoining vaporizing and heating chambers, the vaporizing chamber provided with an air inlet and a drain at the bottom, said drain connected with the fuel-tank, said vaporizing chamber connected at the top with the intake manifold of the engine, an atomizing nozzle discharging into said vaporizing chamber, a high pressure pump connecting said nozzle with said fuel-tank, said heating chamber connected with the exhaust manifold of the engine, and an additional atomizing nozzle, also connected by a high pressure pump with the fuel-tank, discharging into the vaporizing chamber.

1,980,497

SYSTEM OF SEATING

Thomas P. Musgrave, East Orange, N. J.

Application May 11, 1933, Serial No. 670,577
19 Claims. (Cl. 155—33)



1. In combination, a single row of chairs arranged side by side, means for lowering and transferring the end chair at one end of the said row to the opposite end thereof and for subsequently raising the chair back into said row, including means for moving said row of chairs longitudinally during the movement of said end chair from one end of the row to the other.

1,980,498

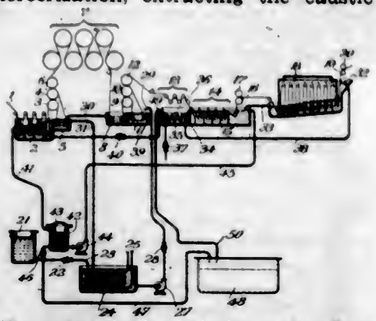
METHOD FOR MERCERIZING COTTON FIBERS

Alfred Nitsche, Chemnitz, Germany

Application February 14, 1931, Serial No. 515,713
In Switzerland March 5, 1930
3 Claims. (Cl. 8—20)

1. A method of mercerizing cotton goods under recuperation of the caustic soda contained in

the waste water, which includes impregnating said goods with a relatively high caustic soda content as compared with the amount required for the mercerization, extracting the caustic soda

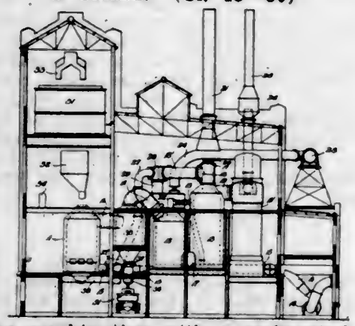


from the mercerized goods by water flowing in counter course to the run of the latter to form a wash lye, cooling said wash lye down and passing said goods through said wash lye prior to the mercerization.

1,980,499
DUST QUENCHER FOR WATER GAS APPARATUS AND THE LIKE

George C. Pfaff, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a corporation of Maryland

Application February 25, 1931, Serial No. 518,180
2 Claims. (Cl. 48—80)



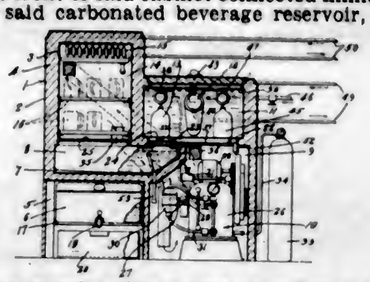
1. The combination with a carbureted water gas apparatus comprising a generator, a carburetor communicably connected with the generator for gas flow therethrough, and a dust collector in the line of communication between the generator and carburetor, of a dust quenching chamber connected with the dust collector for communication therewith and adapted for receiving dust therefrom and for quenching and discharging the dust as quenched dust while closed off from the dust collector and during simultaneous collection of dust thereby, a plurality of superposed, oppositely inclined, downwardly directed, stationary dust baffles arranged in said quenching chamber for baffling dust during passage thereof through the quenching chamber, and means for supplying dust-quenching liquid to said quenching chamber for mixture with dust on said baffles.

1,980,500
DRAFT APPLIANCE FOR CARBONATED BEVERAGES

Lewis I. Reed, Berkeley, Calif.

Application April 16, 1932, Serial No. 605,652
Renewed July 23, 1934
8 Claims. (Cl. 225—21)

1. In a carbonated beverage dispensing device, a cabinet having a plurality of compartments for housing a syrup mix storage tank, a carbonator, a carbonated beverage storage reservoir, means interconnecting said syrup tank with said carbonator, means interconnecting said carbonator and said carbonated beverage reservoir, a faucet on the front of said cabinet connected immediately to said carbonated beverage reservoir, a dis-

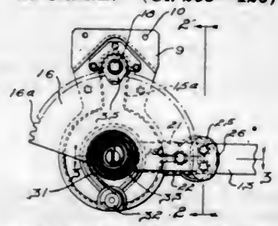


pensing vessel-cooling compartment in said cabinet, refrigeration means in said last named compartment, and means intercommunicating said last named compartment with said syrup tank compartment and said carbonator whereby said refrigeration element maintains the temperature of said syrup tank and said carbonator at a low value.

1,980,501
WINDOW REGULATOR

John H. Roethel, Detroit, Mich.

Application April 25, 1932, Serial No. 607,343
13 Claims. (Cl. 268—126)

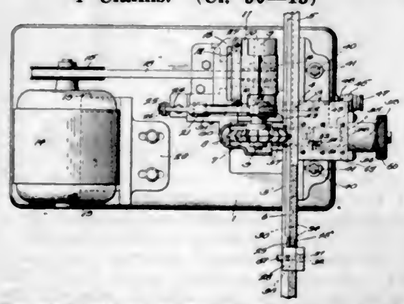


1. In a window regulator, the combination of a support, a gear carried thereby, a swinging arm, a driving connection between the gear and arm, and releasable locking means for the arm controlled by said driving connection.

1,980,502
MITERING MACHINE

Harry B. Rouse, Chicago, Ill., assignor to H. B. Rouse & Company, Chicago, Ill., a corporation of Illinois

Application February 19, 1932, Serial No. 594,005
4 Claims. (Cl. 90—15)



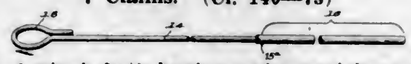
1. In combination, a reciprocably mounted head having a cutter, a support for positioning a strip in the path of the cutter and arranged whereby

the strip is cut cross-wise thereof, said support mounted adjustable toward and from the path of the cutter for regulating the depth of cut to be made in the strip in producing connected or severed strip sections, a clamp element movably mounted on the support and arranged for clamping the strip thereon, a lever pivotally mounted on the support for operating the clamp element and having a free end portion normally extending substantially parallel to the direction of adjustable movement of the support, a movably mounted operating element having slidable contactual connection with said lever end portion and arranged for operating the lever, and means providing a resilient operable connection between the head and the operating element whereby when the head is moved toward the support the clamp element is resiliently applied substantially under a given pressure at various adjustments of the support.

1,980,503
BALE TIE

Alvin V. Rowe, Galesburg, Ill.

Application March 21, 1934, Serial No. 716,736
7 Claims. (Cl. 140—73)

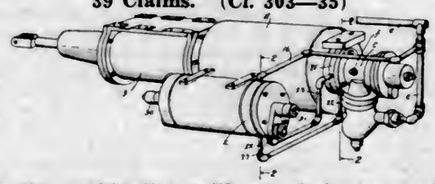


1. A wire bale tie having a wire receiving means at one end, the main wire portion of the bale tie being formed of straight drawn wire and the other end being more pliable to permit tying thereof to the receiving means.

1,980,504
PRESSURE CONTROL DEVICE FOR AIR BRAKE MECHANISM

Oliver Seifferle, Portland, Oreg., assignor to International Air Brake Control Company, Portland, Oreg., a corporation of Oregon

Application May 9, 1932, Serial No. 610,135
39 Claims. (Cl. 303—35)

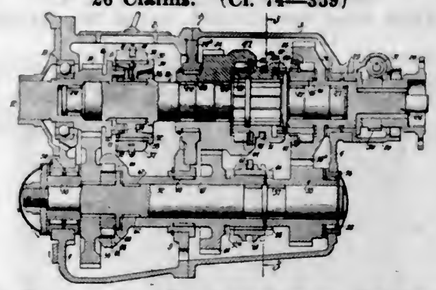


1. In combination with an air-brake mechanism including a triple valve element, a control-device interposed between the brake-pipe and the auxiliary reservoir, and in which the exhaust port of the brake cylinder is located, said control device comprising a retaining compression chamber and a second compression chamber, a diaphragm separating said chambers, a main duct connecting one of said chambers with the auxiliary reservoir, a control valve operated by said diaphragm, said valve in its normal position opening said duct and said exhaust port, in its other positions closing both said duct and said exhaust port, means adapted normally to place said control valve in its normal position and to resist the flexing of said diaphragm in one direction relatively to predetermined differences in pressures in said chambers, a supplemental control valve for said duct operated by pressure in said auxiliary reservoir when greater than that in the first mentioned chamber, a duct connecting the other of said chambers with the auxiliary reservoir, a valve adapted to close the latter duct, such valve operated by pressure in the brake cylinder, manual means adapted to render the latter valve inoperative, an auxiliary duct connecting the first mentioned chamber with said auxiliary reservoir, a third valve also operated by pressure in the brake chamber controlling said auxiliary duct.

1,980,505
AUTOMOTIVE TRANSMISSION

Herbert C. Snow and Arthur A. Stone, Auburn, Ind., assignors to Manning & Co., Chicago, Ill., a corporation of Illinois

Application April 14, 1933, Serial No. 666,116
26 Claims. (Cl. 74—359)

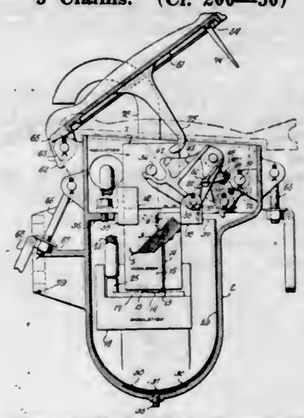


1. In an automotive transmission, the combination of a driving shaft, an arbor, means for driving the arbor, primary and secondary jack shafts journalled on said arbor, a power take-off shaft, means including an overrunning clutch for driving the primary jack shaft from said arbor, operable means for coupling the primary and secondary jack shafts together, and means for driving the power take-off shaft from the secondary jack shaft.

1,980,506
OIL FUSE

Alwin G. Steinmayer, Milwaukee, and William O. Schultz, South Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Original application June 27, 1930, Serial No. 464,220. Divided and this application December 23, 1931, Serial No. 582,744
5 Claims. (Cl. 200—50)



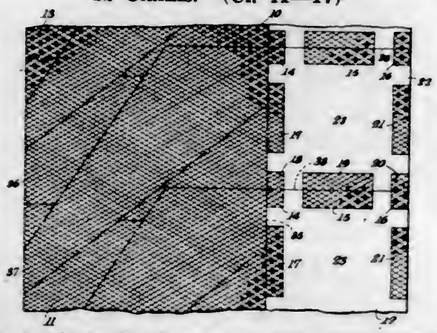
1. In a device of the class described, a casing, a cover for said casing, one unit of an interlocking means carried by said cover, a movable member having movable contacts and a fuse normally connecting said contacts, stationary contacts carried within said casing and engageable by said movable contacts when said movable member is moved to switch closed position, operating means for moving said movable member to open and closed position, said movable member being freely removable when said operating means is in

open position, means cooperating with and releasable by said cover for locking said operating means in open position when said cover is open, and a second unit of said interlocking means carried by said movable member and interlocking with said first unit when said movable member is in closed position.

1,980,507
HANDKERCHIEF AND TIE SET AND METHOD OF MAKING SAME

Adolph Tausik, New York, N. Y.

Application May 2, 1933, Serial No. 668,938
12 Claims. (Cl. 41—17)

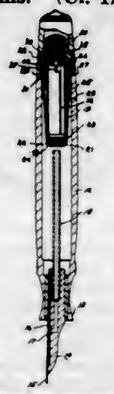


1. A piece of silk woven goods, comprising a completely all-over decorated tie portion of sufficient width to permit ties to be cut therefrom on the bias and an integral handkerchief portion adjacent the tie portion and extending from the juncture of said portions to an edge of the goods, and adapted to be severed by transverse cuts into handkerchiefs free of any pattern over the major portion of its area, the lesser part of said handkerchief portion being decorated repeatedly at spaced intervals with the same ink as the tie portion to match accurately in color, shade, and design, the decoration of the tie portion, and to leave a substantial part of spaced central areas the handkerchief portion undecorated, and thereby being adapted to produce white or uncolored handkerchiefs, the decoration of the handkerchief portion merging into the decoration of the tie portion.

1,980,508
FOUNTAIN PEN FILLING DEVICE

Ivan D. Tefft, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin

Application October 6, 1932, Serial No. 636,436
16 Claims. (Cl. 120—47)

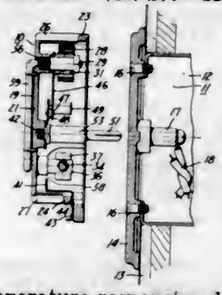


1. In a fountain pen, the combination with a barrel serving as an ink reservoir, flexible means closing one end portion of the barrel and adapted to be flexed to vary the atmospheric pressure therein, means supporting said flexible means in said barrel, reciprocable means connected to said flexible means for flexing the latter, means for securing said support means in said barrel, both said support means and securing means having guide connection with said reciprocable means, said reciprocable means having an operating part projecting beyond one end of said barrel and said securing means, and means detachably carried by said securing means normally forming a continuation of said barrel and concealing said securing means and said operating part.

1,980,509
TEMPERATURE RESPONSIVE DEVICE

George A. Tuck, San Francisco, Calif., assignor to Atlas Heating and Ventilating Co., Ltd., San Francisco, Calif., a corporation of California

Application October 26, 1931, Serial No. 571,019
Renewed September 21, 1934
2 Claims. (Cl. 200—138)



1. In a temperature responsive device for controlling an electrical circuit, a casing formed of front, side and upper and lower end walls, said upper and lower end walls having openings to permit ventilation of the interior of the casing, all of said walls being formed as an integral molded structure of insulating material, a stud positioned within the casing adjacent one end thereof, said stud being mounted on said front wall, a spiraled bimetallic strip surrounding said stud and carried by the same, a lever arm secured to the outer end of said strip and extending generally in the direction of the other end of the casing, a standard positioned within the casing adjacent the other end thereof, said standard being carried by said front wall, an electrical contact carried by said standard, another electrical contact carried by the free end of said lever arm and adapted to cooperate with said first named contact, and a pair of prong-like electrical terminals mounted upon the side walls of said casing and projecting from the rear face of the same, said terminals having electrical connection with said contacts.

1,980,510
PROCESS FOR PRODUCING SAFETY GLASS

George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application February 26, 1931, Serial No. 518,371
6 Claims. (Cl. 49—81)

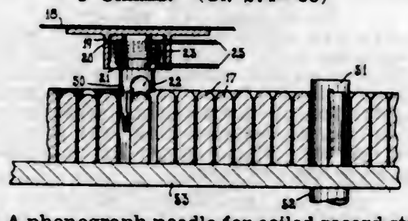


1. The process of producing safety glass, consisting in properly arranging suitably treated laminations in superimposed relationship to produce a sandwich, subjecting the sandwich thus formed to a preliminary pressing operation, then subjecting the marginal portions of the laminations to the action of a solvent, then applying a permanent weather resisting seal of plastic material to the sandwich, and then subjecting the sandwich, including the seal, to the action of a fluid under pressure.

1,980,511
PHONOGRAPH NEEDLE

Wiley D. Wenger, Shenandoah, Iowa

Application June 12, 1933, Serial No. 675,446
3 Claims. (Cl. 274—38)



1. A phonograph needle for coiled record strips, comprising a needle body having an end portion adapted to engage against the edge of the coiled record strip to transmit vibrations therefrom, and a guide member carried by the needle and extending in off-set relation therebeyond for engagement between the convolutions of the coiled record strip to hold the end of the needle in register with the edge of the strip when the coiled record strip is bodily turned.

1,980,512
VEHICLE BRAKE

John William White, Detroit, Mich.

Application April 27, 1931, Serial No. 533,297
7 Claims. (Cl. 188—78)



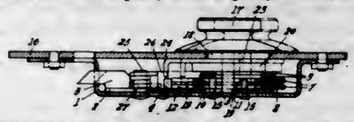
1. The combination with a brake drum, of a stationary head therefor, a pair of shoes within said drum on opposite sides thereof, each shoe being pivotally connected at one end to said head, the free ends of said shoes being spaced apart a predetermined distance, a mechanical operating unit for said shoes comprising a casing mounted on said head within said drum intermediate the free ends of said shoes and having cylindrical end portions and an enlarged central portion, plungers slidable in the cylindrical end portions of said casing and having recessed ends, a rotary cam within the enlarged portion of said casing for engaging said plungers, screw threaded studs engaging the recesses in the ends of said plungers and at their outer ends bearing against said shoes, and nuts on said studs bearing against said plungers and rotatively adjustable to increase the projection of the studs to compensate for wear in the brake shoes.

1,980,513
PUZZLE LOCK

Luise Zeumer, geb. Kleiber, Karlsruhe in Baden, Germany, assignor to Eugene Leuner, Zurich, Switzerland

Application October 2, 1930, Serial No. 485,883
In Germany October 14, 1929
3 Claims. (Cl. 70—53)

1. A puzzle lock, comprising in combination a locking means, a rotatable, shiftable knob, a pin carrying said rotatable shifting knob, two tumbler discs rotatable about said pin, pins forming a hub about which said tumblers rotate, two hook-shaped levers pivotally mounted on said last mentioned pins and intersecting in front of said rotatable knob pin, and a projection on each

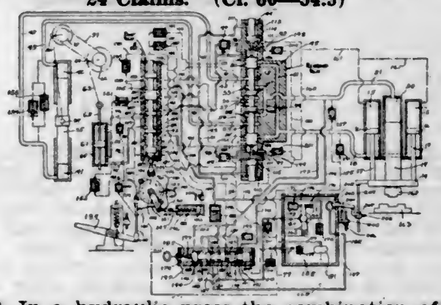


of said tumbler discs adapted to be acted upon by the outer ends of said levers.

1,980,514
HYDRAULIC PRESS

Walter Ferris, Milwaukee, and Glen Macomber, Waukesha, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 30, 1929, Serial No. 389,368
24 Claims. (Cl. 60—54.5)



8. In a hydraulic press the combination of a reciprocating hydraulic impeller, a hydraulically actuated ram, hydraulic connections through which said ram is reciprocated synchronously by and with said impeller, a valve for rendering said ram active or inactive, means operable on said valve to effect continuous reciprocation of said ram, and means operable on said valve to stop ram reciprocation, said last named means being operable only at the end of a return stroke of said ram.

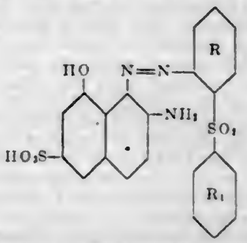
11. In a hydraulic press the combination of a reciprocating hydraulic impeller, a hydraulically actuated ram reciprocated synchronously by and with said impeller, means for advancing and retracting the range of reciprocation of said ram, means for starting the reciprocation of said ram, and means responsive to said last named means for controlling said advancing and retracting means.

1,980,515
ACID WOOL AZO DYESTUFFS

Erich Fischer, Bad Soden-on-the-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 20, 1933, Serial No. 667,113. In Germany May 2, 1932
5 Claims. (Cl. 260—92)

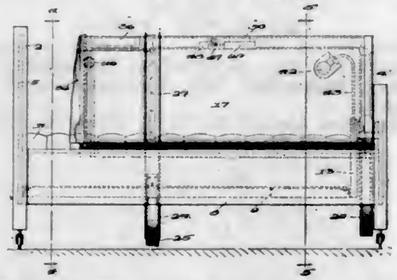
1. The azo dyestuffs of the general formula:



wherein the nuclei R and R_1 are unsubstituted or at least one of them contains a substituent of the

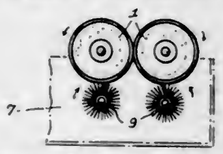
group consisting of halogen, alkyl and alkoxy, forming, when dry, red or violet powders, being soluble in hot water and yielding on wool red shades of good levelling power and of good fastness to light.

1,980,516
BED
George W. Gail, Ruxton, Md.
Application February 20, 1932, Serial No. 594,287
7 Claims. (Cl. 5—334)



1. In a bed, the combination with a rectangular mattress supporting frame, of a semi-cylindrical insulated enclosure associated therewith, said enclosure terminating short of the head of the bed, and means for rotatably supporting the enclosure from the said rectangular frame, the foot end of said enclosure being pivotally supported at its axis of rotation and the other end being circumferentially supported from the sides of said frame.

1,980,517
SEED CLEANER
Ezra A. Good, Clarksville, Mich.
Application March 11, 1932, Serial No. 598,267
Renewed May 7, 1934
1 Claim. (Cl. 209—113)



A seed cleaning device comprising a supporting frame having one end higher than the other end, a number of pairs of canvas covered rubber rollers having trunnions at their ends, the trunnion at one end of each roller being journalled in the high end of the frame, and the opposite trunnion in the lower end of the frame whereby said rollers are diagonally arranged, the rollers of each pair contacting each other and the pairs of rollers being spaced apart, one trunnion of a roller of each pair being extended, a worm gear on said extended part, a transverse shaft rotatably supported by the frame and having worms thereon engaging the worm gears, means for driving said shaft in a direction to rotate the rollers of each pair in opposite directions, means for feeding material into the space formed by the rollers of each pair and at the high end of said rollers, means for receiving the material passing from the lower ends of said rollers, a brush roller located under and paralleling each of the first-mentioned rollers, said brush roller having a trunnion at each end thereof journalled in the high and low end portions of the frame, gears connecting one trunnion of each brush roller to a trunnion of the first-mentioned roller above it, a pan supported by the frame, and the upper portion of which receives the brush rollers, the bottom of the pan paralleling the brush rollers and being spaced below the same, and a discharge spout at the low end of the pan.

1,980,518
MATERIAL FOR COATING METAL
James H. Gravell, Elkins Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application May 17, 1932, Serial No. 611,926
7 Claims. (Cl. 148—6)

4. As a new article of manufacture, a material for surfacing metal including an acid salt resulting from an alkali or alkaline earth metal and an inorganic trihydric metal etching acid, said salt being typified by mono-calcium phosphate; an ionizing solvent; unburnt clay; and a salt of a metal less basic than iron typified by copper nitrate as herein described.

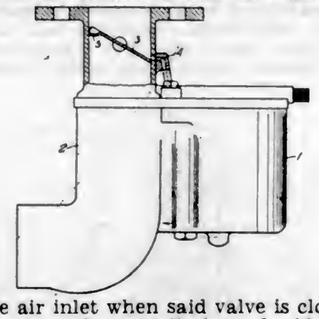
1,980,519
RADIO-ACTIVE RUBBER THREADS
Walter Grunzig, Stuttgart, and Carl Baumgärtel, Zeulenroda, Germany, assignors to Julius Rompler Aktiengesellschaft, Zeulenroda, Germany
Application May 21, 1932, Serial No. 612,682
In Germany June 1, 1931
3 Claims. (Cl. 174—88)



1. A method of manufacturing radio-active garments, bandages or the like, comprising adding an aqueous solution of a radio-active material to a rubber latex, precipitating radio-active rubber from the mixture, forming rubber threads out of said rubber, and working the radio-active rubber threads into a textile fabric.

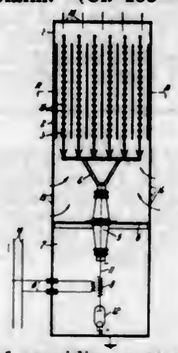
1,980,520
CARBURETOR
Nils Gustaf Albert Gustafsson, Stockholm, Sweden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden, a corporation of Sweden
Original application May 7, 1930, Serial No. 450,473. Divided and this application January 26, 1933, Serial No. 653,692. In Sweden February 26, 1930
2 Claims. (Cl. 261—41)

1. In a carburetor for internal combustion engines having an air inlet and a mixture outlet, the combination of a butterfly valve located in said outlet, a fuel inlet opening for idle running discharging into said outlet on the engine side of said butterfly valve both at the closed and open positions of said valve, the said valve when closed having the edge of one side thereof adjacent to said fuel inlet, the edge of the other side of said valve opposite said fuel inlet being formed with a projection on the face of said valve directed to-



wards the air inlet when said valve is closed and with a cavity on the opposite face of said valve.

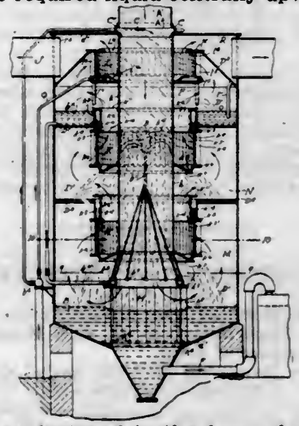
1,980,521
METHOD FOR SUPPLYING AND CLEANING GAS BY ELECTRICAL ACTION
Carl Hahn, Berlin-Siemensstadt, Germany, assignor to International Precipitation Company, Los Angeles, Calif., a corporation of California
Application January 22, 1932, Serial No. 588,191
In Germany January 19, 1931
1 Claim. (Cl. 183—7)



The method of providing a supply of substantially clean gas which comprises producing an electric discharge in a high potential electric field between a plurality of discharge electrode elements and opposing collecting electrode means and thus creating an electric wind by the action of said electric discharge, said discharge electrode elements and collecting electrode means being so disposed as to cause the electric wind thus produced throughout said electric field to have a component in one common direction sufficient to product a body flow of gas through said field in said direction, said electric wind constituting the sole means for producing flow of gas through said electric field, and causing electrical precipitation of suspended particles from said gas on said collecting electrode means by the action of said electric discharge and electric field.

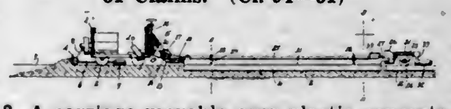
1,980,522
APPARATUS FOR THE TREATMENT OF GASES
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Original application June 25, 1930, Serial No. 463,734. Divided and this application January 19, 1931, Serial No. 509,749
9 Claims. (Cl. 183—24)

2. The herein described continuous apparatus for the mutual treatment of gases and liquids at high velocities and requiring such velocities, comprising a vertically extended sump or chamber closed at the bottom for the retention of liquid and open at the top for the release of gas, in combination with means for maintaining liquid at given level in the lower part of said chamber, a gas entrance duct extending downward within said chamber and opening thereinto above the liquid level, said duct being proportioned to compel the downward flow of gas at high velocity and serving to direct the gas stream against the liquid in the lower part of the chamber, a nozzle device positioned above the liquid level and adapted to direct the required liquid centrally upward with-



in said gas duct and in the form of a substantially solid liquid stream or fountain coincident with the axis of said duct, and, supply means adapted to supply liquid to said nozzle device to cause said solid stream of liquid to rise into the upper part of said duct against the downward thrust of the gas; until the top of said liquid stream is radially filmed, then shattered and thus uniformly diffused as mist radially throughout said upper part of the duct, and the lower part of said duct affording space within which the gas and minutely divided liquid thereafter move together until expelled from the lower end of said duct.

1,980,523
ROAD BUILDING MACHINE
John N. Heltzel, Warren, Ohio
Application December 28, 1927, Serial No. 242,985
31 Claims. (Cl. 94—51)

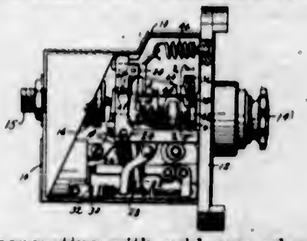


3. A carriage movable over plastic concrete, a joint installing means trailing from the carriage, and a platform trailing from the carriage adjacent to said means, said means and platform being free at their rear portions for movement with reference to the carriage.

1,980,524
DEFROSTER SWITCH
Malcolm E. Henning, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application July 10, 1933, Serial No. 679,681
12 Claims. (Cl. 200—83)

1. For use with a control mechanism including a cyclically operated movable member and adjustable means for adjusting the normal range

thereof, a cam movable by said adjustable means, means in addition to said adjustable means for modifying the operation of a device controlled by said control mechanism to secure either a temporary non-normal operating cycle or continuous operation of said device comprising a resisting



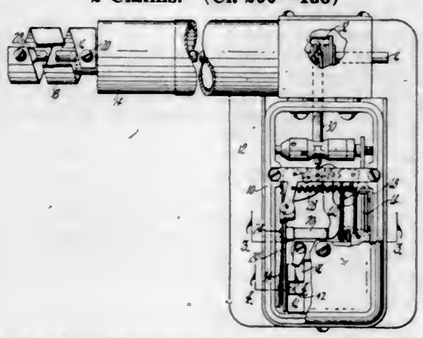
member cooperating with said cam when moved to a predetermined position to resist movement of said movable member for securing said non-normal cycle of operation, said cam having a lobe to positively move said cyclically operated movable member to secure said continuous operation.

1,980,525

BURNER AND IGNITION CONTROLLER WITH SHUT-DOWN

Malcolm E. Henning, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa

Application November 16, 1931, Serial No. 575,278
2 Claims. (Cl. 200—138)



1. A control structure comprising a switch including a switch arm and a contact leaf spring carried thereby, a burner switch, said switch arm and leaf spring being temperature actuated and means interposed between said switches for obstructing movement of said leaf spring to closed circuit position from open circuit position when said switch arm moves to closed circuit position and while the second switch is in closed position, said means being engageable with the edge of said leaf spring when said second switch moves to closed position before said leaf spring moves to open position and thereupon being constrained to assume its obstructing position as soon as said leaf spring does moves to open circuit position.

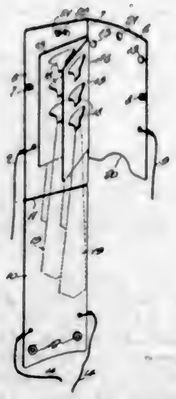
1,980,526

NECKTIE HOLDER AND PRESSER

Moses Herzog, Washington, D. C.

Application December 14, 1933, Serial No. 702,378
5 Claims. (Cl. 100—57)

1. A four-in-hand tie holder and press comprising a backboard, an intermediate board hinged on a vertical line to said backboard to fold to a closed position in front of said backboard, a front board hinged to the lower end of said backboard, to fold to a closed position in front of the closed intermediate board, and a leaf board hinged on a vertical line to said backboard to lie between the latter and the closed intermediate board, said leaf board having tie-holding means, said boards being of such rela-



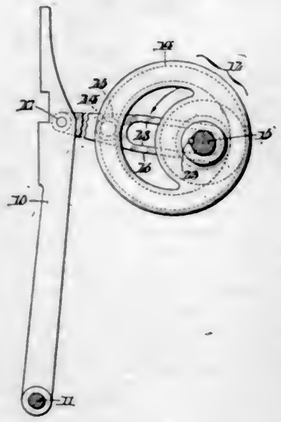
tive sizes that the lower ends of ties whose central portions are held in said means will extend downwardly below said back, intermediate and leaf boards for folding with said front board against the closed intermediate board; and means for holding said boards in closed relation.

1,980,527

MECHANICAL MOVEMENT

William R. Hewton, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application August 18, 1933, Serial No. 685,688
19 Claims. (Cl. 74—55)



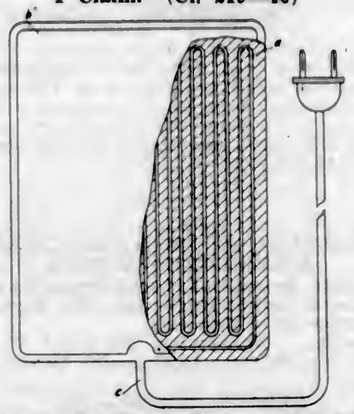
1. A mechanical movement comprising rotary cam means affording a track with mergent circular grooves, one within the other and respectively concentric and eccentric to the axis of rotation; a link pivotally connected to an element which is to be reciprocated and confined to endwise movement relative to the cam axis by virtue of a slotted connection with the latter and having a follower in engagement with the cam track; and means to cause the follower to alternately follow the concentric and eccentric curvatures of the cam track.

1,980,528

ELECTRIC HEATING PAD

Josef Hübl, Vienna, Austria, assignor to firm "Pelithe" Holding A. G., St. Gallen, Switzerland, a company of Switzerland

Application March 22, 1932, Serial No. 600,492
In Austria March 28, 1931
1 Claim. (Cl. 219—46)



An electric heating pad comprising a flexible resistance wire provided with an asbestos covering plaited thereon and wound around an asbestos core, and supply wires electrically connected with the said resistance wire and a carrier for the said resistance wire consisting of rubber the said resistance wire being completely vulcanized into the said carrier and the said supply wires being completely embedded in a sheath of rubber integral with the said carrier and extending from the said carrier to a plug contact over a considerable length whereby any contact of the body to which the pad is applied with the said plug contact is avoided.

1,980,529

ORIENTING DEVICE FOR CORE DRILLS

William A. Hunsucker, Los Angeles, Calif.

Application March 3, 1928, Serial No. 258,815
12 Claims. (Cl. 234—5.3)



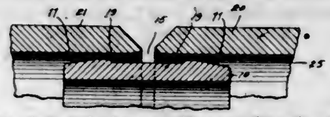
1. For use in combination with a core barrel, a device for determining the orientation and inclination of said core barrel comprising: a compass having a movable indicator; releasable clamping means biased to clamp said indicator; means for releasably holding said clamping means from action; a plumb bob provided with a penetrating point; plumb bob supporting means including a suspended support and gripping means for releasably holding said suspended support against downward movement; means beneath said plumb bob for receiving said penetrating point upon downward movement of the latter; a timing device; and unitary means controlled by said timing device for releasing said indicator clamping means for action and said gripping means from action at a predetermined time.

1,980,530

SOLID RING PIPE LINER

Frank C. Hutchison, Kansas City, Mo., assignor to The Linde Air Products Company, a corporation of Ohio

Application October 23, 1931, Serial No. 570,703
6 Claims. (Cl. 285—111)



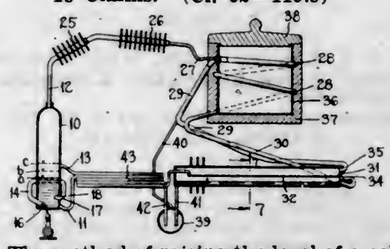
1. In a joint between the ends of pipe sections; a liner having a detachable spacing ring for spacing said ends; and a hinge and a clasp in said ring by which it may be detached from said liner after said joint has been assembled.

1,980,531

ABSORPTION REFRIGERATING SYSTEM

Oscar Johnson, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware

Application March 2, 1931, Serial No. 519,330
In Germany May 12, 1930
15 Claims. (Cl. 62—119.5)



13. The method of raising the level of a column of liquid which comprises heating the liquid to form vapor which rises through the column in the form of bubbles, collecting below the liquid level bubbles of the vapor to accumulate a relatively large volume of vapor, and injecting the larger volume of vapor into said column.

1,980,532

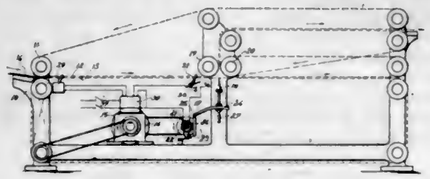
FOLDING MACHINE

Leo M. Kahn, New York, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application May 3, 1930, Serial No. 449,593
6 Claims. (Cl. 270—83)

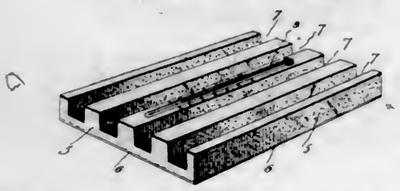
1. In a folding device of the class described in combination of means for carrying an article to be folded, a folding mechanism comprising a plurality of independently operated fingers arranged in alignment transversely of the direction of movement of the article to be folded, conveyor tapes spaced apart and having a contact switch therebetween, electrical connections between said

switch and said fingers whereby the depression of one switch will actuate a connecting finger



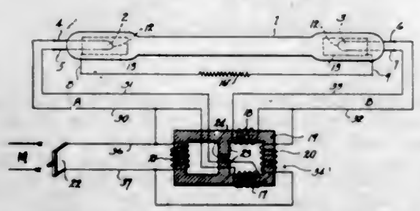
and means for preventing such actuation when said switch is not depressed.

1,980,533
DENTAL MIXING SLAB
Clifford S. Kile, Hutchinson, Kans.
Application June 27, 1932, Serial No. 619,595. Renewed April 10, 1934
4 Claims. (Cl. 32—39)



1. A dental mixing slab comprising a major portion of porous material to absorb water and allow evaporation of said water to cool the slab, and a minor portion impervious to water and disposed at the upper side of the slab to provide a working surface.

1,980,534
GAS ARC LAMP
Kurt F. J. Kirsten, Seattle, Wash., assignor to Kirsten Lighting Corporation, a corporation of Washington
Application March 4, 1932, Serial No. 596,753
1 Claim. (Cl. 176—124)



In combination, a source of electricity, a gas arc lamp having electrode filaments at opposite ends, a shield enclosing each filament in spaced relation thereto, a conductor connecting said shields and forming a shunt across the arc circuit and a transformer reactor connected with the source of electricity for supplying current to the arc and filament circuits.

1,980,535
BUCKLE
Louis La Ferney, Griffithville, Ark.
Application January 26, 1933, Serial No. 653,697
1 Claim. (Cl. 24—195)

As a new article of manufacture, a buckle comprising a backing plate provided at opposite ends with right angularly bent flanges having inclined cam slots, the central portion of said plate being formed with a longitudinally elongated maintenance boss, a slidable clamping plate superimposed upon the backing plate and confined between said flanges, said clamping plate being provided with opposed lugs having slidable cam



co-action with said slots, said clamping plate being formed with a retaining hook, and an elongated adaptation hole for co-operation with said boss to permit a band end to be firmly clamped between the plates and forced by the boss into said adaptation hole.

1,980,536
MANUFACTURE OF DI-(HYDROXYETHYL)-AMINONITROBENZENES
Hans Lange, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 22, 1933. Serial No. 703,676. In Germany December 24, 1932
7 Claims. (Cl. 260—128)

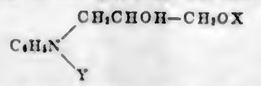
1. The N-bis-hydroxyethylaminonitroaryls of the benzene series forming in the purified state yellow to red crystals, being difficultly soluble in the cold in aliphatic and aromatic hydrocarbons and water, forming salts with inorganic acids and being not distillable at ordinary pressure.

1,980,537
MANUFACTURE OF 2-NITRODIPHENYL
Hans Lange, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 22, 1933, Serial No. 703,677. In Germany December 24, 1932
2 Claims. (Cl. 260—142)

1. The process which comprises nitrating diphenyl with strong nitric acid in the presence of a solvent of the group consisting of carbon tetrachloride and chloroform.

1,980,538
β.γ-HYDROXYPROPYLOXYALKYLAMINO BENZENES AND THE γ-ALKYLESTERS THEREOF
Hans Lange, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 22, 1933, Serial No. 703,678. In Germany December 24, 1932
16 Claims. (Cl. 260—128)

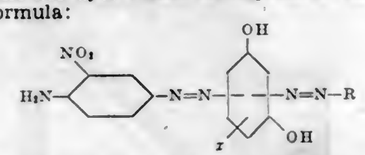
1. The tertiary amines of the benzene series corresponding to the general formula



in which X is hydrogen or an alkyl group, Y represents hydroxyalkyl, and in which the benzene nucleus may contain one or more substituents of the group consisting of alkyl, alkoxy and halogen, said amines being distillable under diminished pressure without decomposition, forming with inorganic acids water-soluble salts and coupling easily with aromatic diazo compounds in a medium acid by the presence of acetic acid.

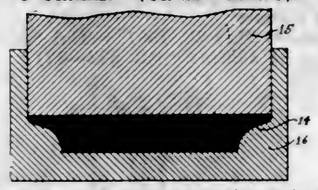
1,980,539
AZO DYE
Werner Lange, Dessau-Ziebigk in Anhalt, and Ulrich Dreyer, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 25, 1933, Serial No. 667,938. In Germany July 7, 1932
16 Claims. (Cl. 260—72)

1. The azo dyes which correspond to the general formula:



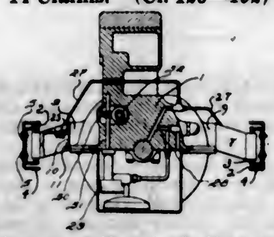
wherein R means a radicle of the benzene or naphthalene series and x means hydrogen or the radical —COOH, said dyes dyeing on leather yellow-brown to brown tints having a good fastness to the action of alkalies.

1,980,540
METHOD OF MAKING TROLLEY SHOES
Anthony J. Langhammer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application June 4, 1931, Serial No. 542,111
3 Claims. (Cl. 29—155.55)



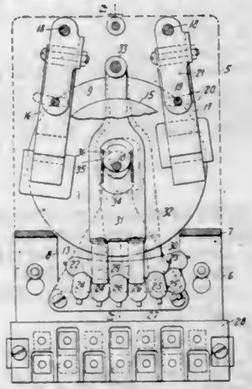
1. The method of manufacturing a trolley shoe which consists in separately coining a pair of trolley shoe sections each having a complementary groove segment from a mixture of powdered metals having different fusion points, sintering said coined mixture at a temperature below the fusion point of one of the metals and above the fusion point of the other metal, impregnating said sections with mobile lubricant, and securing said sections together with the groove segments thereof in registration.

1,980,541
HYDRAULIC CONTROL FOR MOTOR MOUNTINGS
Roger K. Lee., Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application September 18, 1930, Serial No. 482,783
14 Claims. (Cl. 123—192)



1. A motor mounting including a support, a member to be supported, a rubber cushion yieldably connecting said support and said member, a releasable friction element on said member coacting with said support, and actuating mechanism responsive to variations in the speed of operation of said motor for controlling said friction element.

1,980,542
CIRCUIT CONTROLLING DEVICE FOR ELECTRIC SIGNS AND THE LIKE
George H. Leland, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application March 31, 1930, Serial No. 440,380
17 Claims. (Cl. 200—32)



1. In a mechanism of the character described, a mercury tube switch having a contact near each end thereof and an intermediate contact between said end contacts and containing mercury in sufficient quantity to connect said intermediate contact with either of said end contacts, an arm pivotally mounted at one end, having at its other end means to support said switch and having an opening therethrough between its ends, a shaft extending through the opening in said arm, and a disk eccentrically mounted on said shaft and arranged to act on said arm and impart oscillatory movement thereto.

1,980,543
WETTING AGENTS
Eli Lurie, New York, N. Y.
No Drawing. Application June 13, 1931, Serial No. 544,293
11 Claims. (Cl. 260—159)

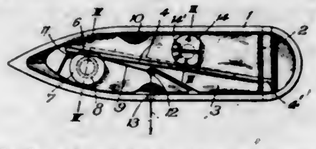
1. A method which comprises treating naphthalene with a halide of the class consisting of aryl and alkyl compounds in the presence of catalytic amounts of aluminum chloride and sulphonating the resulting product.

7. A method which comprises treating naphthalene with a tertiary alkyl halide of 4 or more carbon atoms in the presence of catalytic amounts of aluminum chloride and sulphonating the resulting product.

1,980,544
THREAD BRAKE FOR SHUTTLES, PARTICULARLY OF SHUTTLE EMBROIDERING MACHINES
Adolf Meier, Weinfelden, Switzerland
Application December 5, 1933, Serial No. 701,014
In Switzerland December 31, 1932
3 Claims. (Cl. 112—233)

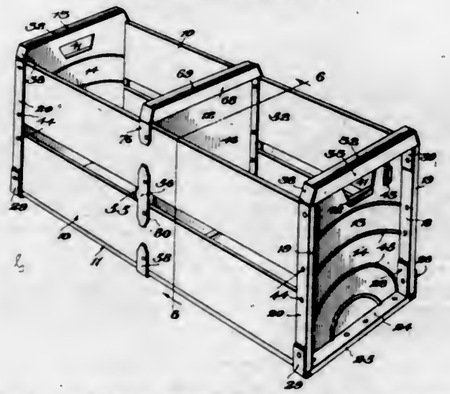
1. In a thread brake for shuttles particularly of shuttle embroidering machines, in combination, a shuttle, a cover for said shuttle, an abutment

member mounted for free rotation on said cover, a flat braking face on said abutment member perpendicularly disposed to said cover in the path of the thread unwinding from said shuttle, a substantially straight elastic pressure arm adapted to cooperate with said flat braking face for braking engagement with said thread, a rotatable



and angularly adjustable pressure element cooperating with said pressure arm in opposed relationship to said abutment member and urging said pressure arm towards said braking face to exert a regulated pressure effect on said thread, and a scale provided on said pressure element for indicating the magnitude of the pressure adjusted.

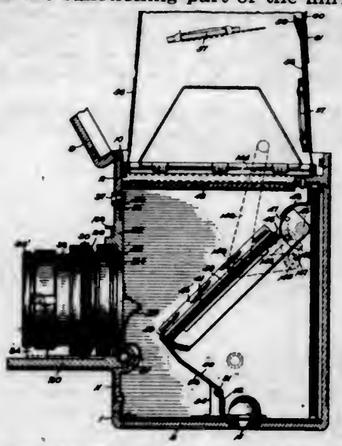
1,980,545
CONTAINER STRUCTURE
William C. North, Sebring, Fla.
Application August 24, 1931, Serial No. 559,063
Renewed April 9, 1934
10 Claims. (Cl. 217—36)



1. A container comprising side and bottom walls, and one-piece sheet metal end closures, each end closure comprising a central portion of substantially the same height, and width as the container, channel formations at the sides and the bottom of said central portion receiving the ends of the side and bottom walls, respectively, and tongues formed as end extensions of certain of the walls of certain of said channel formations, said tongues being secured in reinforcing engagement with certain of the walls of certain of the other channel formations.

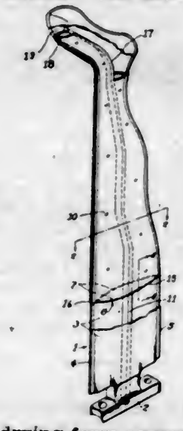
1,980,546
PHOTOGRAPHIC CAMERA
William H. Petit and Edson S. Hineline, Rochester, N. Y., assignors to Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application March 29, 1933, Serial No. 663,326
46 Claims. (Cl. 95—42)

1. A photographic camera provided with a suitable casing, a substantially right angled door member mounted for swinging movement in said casing, a lens mounted on said door member, and a mirror mounted within the lens casing and movable into functioning and non-functioning positions, said door being mounted in such relation to the functioning part of the mirror that



said door in closing acts to move said mirror into non-functioning position.

1,980,547
HOSIERY DRYING FORM
Thomas W. Prosser and John H. Wahlbeck, Kankakee, Ill., assignors to Paramount Textile Machinery Company, Chicago, Ill., a corporation of Illinois
Application May 23, 1931, Serial No. 539,488
3 Claims. (Cl. 223—17)



2. A hosiery drying form comprising spaced inner and outer shells and a longitudinal medial vane within said form, said inner shell having a channel adapted to receive said vane, whereby the outer and inner shells and the vane may be jointed together.

1,980,548
CHANGEABLE EXHIBITOR
Michael S. Quinte, Burbank, Calif.
Application June 24, 1933, Serial No. 677,493
1 Claim. (Cl. 40—28)

A structure of the class described comprising a base including a backing board having upper and lower longitudinal guides, a facing sheet fastened to the visible surface of said backing board, longitudinally spaced divider elements converting said sheet into distinct display areas, distinguishable pictures printed on the sheet in each area, each picture being composed of a primary part printed in black and a complementary part printed in red, and a slidable color screen comprising a frame slidably mounted in said guide, said frame including a red transparent

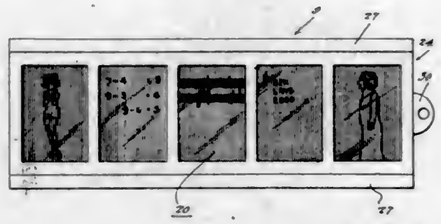


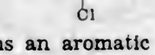
plate of glass or equivalent material, said plate being divided into distinct areas registrable with the first-named area in a manner to permit the red colored portion of the printed matter to be obscured from view.

1,980,549
C-SUBSTITUTED PYRIMIDINES OF THE ANTHRAQUINONE SERIES
Heinrich Raeder, Leverkusen-Schlebusch, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 1, 1932, Serial No. 614,845. In Germany June 3, 1931
2 Claims. (Cl. 260—32)

2. The compounds of the probable formula:—



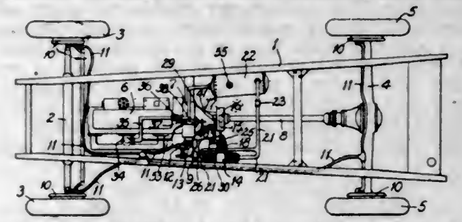
wherein A stands for an anthraquinoid radical, Ar means an aromatic radical, n stands for one of the numbers 1 or 2 and wherein the nitrogen atom marked (a) is attached to an alpha-position of the anthraquinoid radical and the nitrogen atom marked (b) is attached to the meso-position vicinal to said alpha-position, said compounds being of a yellow to violet coloration, soluble in concentrated sulfuric acid and in the usual organic solvents with most various colorations these compounds being obtainable by heating an alpha-aminoanthraquinone with a carboxylic acid alkylimide halogenide of the formula:—



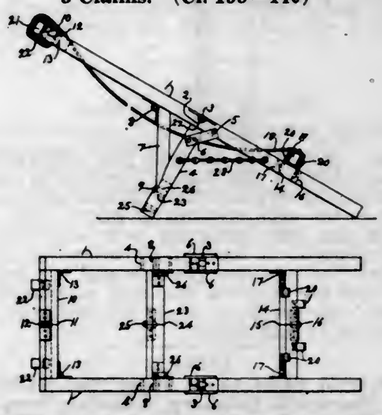
wherein Ar means an aromatic radical and R_2 means an alkyl group.

1,980,550
AUTOMOBILE
Melvin A. Robiee, Clayton, Mo.
Application June 6, 1932, Serial No. 615,500
4 Claims. (Cl. 123—119)

1. An automobile including an internal combustion motor, an air compressor adapted and arranged to be driven by the momentum of said automobile independently of rotation of said motor by said momentum, a storage tank for air from said compressor, a duct from said tank to said motor arranged and positioned whereby compressed air from said tank may be used to increase the charge of fuel supplied to the cylinders of said motor, and means controlled by the accelerator for said motor for rendering said compressor inoperative during acceleration of said automobile.



1,980,551
FOLDING CHAIR
Roderic O'Conor Ross, Dublin, Irish Free State
Application September 8, 1933, Serial No. 688,544
In Great Britain October 5, 1932
3 Claims. (Cl. 155—140)

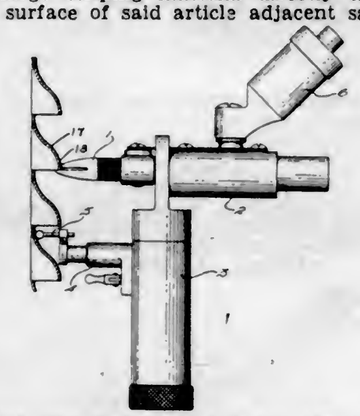


1. A folding chair comprising, in combination, a pair of main supporting side members each of which is made up of two parts in alignment one of the two parts being hinged to its other part whereby in unfolded position they constitute in alignment the main supporting side members of the chair, a supporting leg under each side member and hingedly connected to one of its parts and having its end bearing against the hinged parts at their juncture and adapted to act as a support to both of its parts aforesaid, a strut hingedly connected under the other part of each side member, an indent in each supporting leg in which the lower end of each respective strut is adapted to fit, a webbing on upper and lower cross bars, cross bracing members formed of hinged sections hingedly connected to said side members the cross bars of the webbing supported by means on the cross bracing members.

1,980,552
PAINT STRIPING NOZZLE
Frank P. Ryan, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1930, Serial No. 495,435
2 Claims. (Cl. 91—62.6)

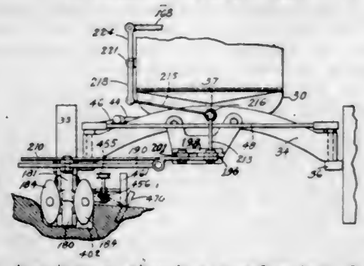
1. In a striping device including a body portion having a striping material discharge passage, a striping pen mounted on said body portion adapted to simultaneously apply striping material on adjacent angularly disposed side and edge surfaces of an article, said pen comprising a longitudinally extending discharge tube com-

municating with said passage and having an outlet, a concave pen nib having a cavity therein and extending in advance of the outlet of said tube and having spaced edge portions disposed in a common plane located at the lower extremity of said outlet and substantially parallel to said tube for receiving the edge portions of said article and positioning the outlet of said tube to discharge striping material directly upon the side surface of said article adjacent said edge



thereof, the cavity of said pen nib extending substantially to the forward extremity thereof for collecting striping material and applying the latter to the edge portions of said article, and a second pen nib extending over said tube and terminating at a location between the forward extremity of said first pen nib and the outlet of said tube for abutting said side surface of said article and predetermining the distance from the latter to said outlet.

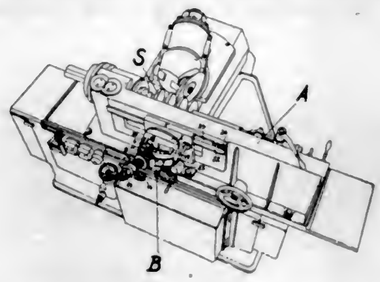
1,980,553
POWER OPERATED TRACTOR GUIDE
Charles K. Salisbury, Waterloo, Iowa
Application June 16, 1930, Serial No. 461,663
15 Claims. (Cl. 97—49)



1. A tractor, a steering mechanism for said tractor, a power mechanism to move said steering mechanism, a guide adapted to follow a path, and a control for said power mechanism to move said steering mechanism in the direction and to the extent determined by said guide when said guide and said steering mechanism have been deflected relative to each other.

1,980,554
METHOD OF AND DEVICE FOR PRODUCING CONJUGATE WORM GEARINGS
Heinrich Schicht, Huckeswagen, Germany, assignor to firm: W. Ferd. Klingelnberg Sohne, Remscheid-Berghausen, Germany
Application December 30, 1932, Serial No. 649,617
In Germany June 3, 1932
6 Claims. (Cl. 51—278)

2. The method of producing worm gearing in which the dimensions of the worm correspond accurately to those of its conjugate worm gear, which method consists in setting up a worm forming machine with the hob to be used in cutting

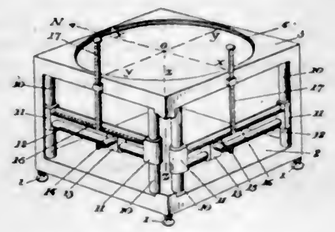


the conjugate worm gears as a master model, measuring the dimensions of the hob, and then forming a worm according to the dimensions of said hob.

1,980,555
PROCESS FOR TREATING OILS WITH AN ALKALINE SULPHIDE
Walter A. Schulze and Frederick E. Frey, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application January 7, 1932, Serial No. 585,389
10 Claims. (Cl. 196—44)

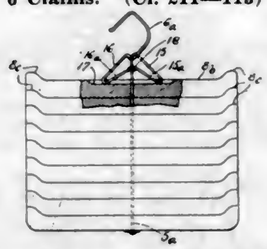
6. The method of stabilizing oils, which have been sweetened by means of copper-containing reagents, against deterioration through catalytic oxidation, which comprises intimately contacting the oil in liquid phase, subsequent to treatment thereof with the metallic reagent, with a solution of a compound capable of yielding sulphide or hydrosulphide ions, at substantially atmospheric temperature.

1,980,556
PHOTOGRAPHIC SURVEYING APPARATUS
Viktor Sintich, Dresden-Weisser Hirsch, Germany
Application September 24, 1932, Serial No. 634,745
In Germany September 28, 1931
15 Claims. (Cl. 33—1)



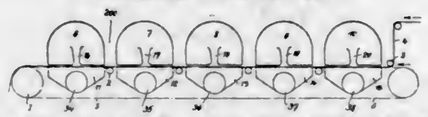
1. In a photographic surveying apparatus, a frame, a system of Cardanic members mounted on said frame to turn about the origin of a system of coordinates and to be tilted about axes intersecting in the origin, a picture holder suspended from one of said members, a model of control points suspended from another of said members, and sighting means carried by a third one of said members for observing the control points on the picture and their reproduction on the model, said holder, model and sighting means being universally movable with respect to each other.

1,980,557
GARMENT HANGER
Louis Snitzer, Los Angeles, Calif.
Application April 23, 1934, Serial No. 721,843
6 Claims. (Cl. 211—113)



1. A garment hanger comprising a plurality of vertically arranged laterally extending bars, and a suspending member having a stem passing vertically through said bars and supporting them in a laterally swingable relation to each other, said bars being resilient to provide for gripping garments between them, said suspending member having a laterally extending resilient portion engaging an upper bar of said plurality of bars to augment the yieldingness of said bars with relation to each other.

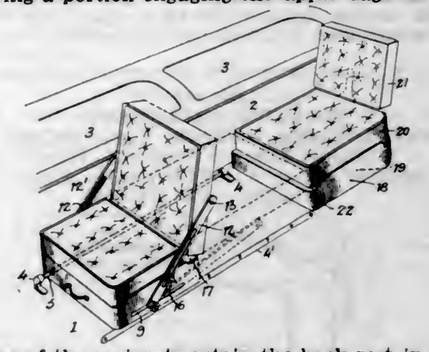
1,980,558
DRYING OF FABRICS
Karl Fritz Tandel, Chemnitz, Germany, assignor to C. G. Haubold A.-G., Chemnitz, Germany, a joint-stock company of Germany
Application January 6, 1934, Serial No. 705,592
In Germany September 13, 1932
2 Claims. (Cl. 34—48)



1. Apparatus of the character described including, in combination, a fabric supporting pervious conveyor belt, a series of spaced air chambers disposed above the belt with their lower walls adjacent the belt and each formed with means to discharge a narrow stream of air onto the top of the fabric from edge to edge, means for directing the air thus discharged in a direction parallel to the surface of the fabric, and a series of spaced suction boxes, each disposed below an air chamber and its air directing means and under the belt, the upper wall of each box being formed to withdraw the air supplied by its corresponding chamber along a much greater distance lengthwise of the belt than the width of the air stream from the chamber.

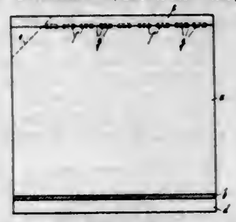
1,980,559
VEHICLE BODY CONSTRUCTION
Arthur S. Thompson, Ontario, Calif.
Application March 5, 1934, Serial No. 714,134
2 Claims. (Cl. 155—7)

2. In vehicle body construction, means for providing seating and sleeping accommodations, comprising front and rear open casings, seats in said front and rear casings, a rigid back rest associated with the rear open casing and seat, said front casing having a longitudinal slot in each of its side walls, a rod having its ends passing through said slots, an adjustable back rest for said front casing, a pair of slotted links having their upper ends pivotally connected with said back rest and their lower ends connected with the projected ends of said rod, and studs adjustable in the slots of said links and means to clamp said studs in position along said slots, said studs having a portion engaging the upper edge of the



sides of the casing to retain the back rest in desired adjustment, and means connected with said front open casing to allow it to have a sliding movement.

1,980,560
DUPLICATING BLOCK
Gustav Thyssen, Krefeld-Forsthaus, Germany
Application June 27, 1931, Serial No. 547,405
In Germany October 31, 1930
5 Claims. (Cl. 282—22)



1. A duplicating block, comprising in combination alternately superposed writing and carbon sheets bound together and perforated on the binding edge, said carbon sheets projecting beyond said writing sheets at the edge opposite the binding edge and being cut away along the line of perforations on the binding edge leaving narrow perforated connecting strips arranged at intervals apart along the perforation line.

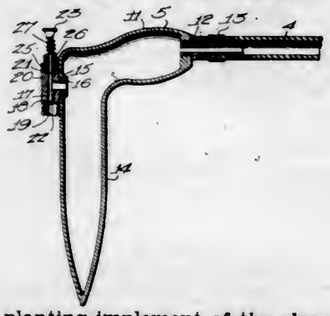
1,980,561
WELDED JOINT
Robert L. Wagner, Astoria, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 21, 1929, Serial No. 408,848
13 Claims. (Cl. 113—112)



10. A method of forming a fusion-welded joint between the edges of two pieces of metal which comprises assembling said edges in opposed and spaced relation; disposing a metal strip opposite one side of the space between said edges and overlapping both of said pieces but contacting with the latter only at intervals; from the other side of said space, applying a welding flame to said edges, to the opposed portions of said pieces and said strip, and into the spaces between such intervals of contact, to heat such edges and op-

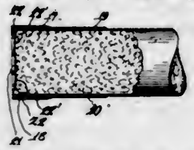
posed portions to a welding temperature; and, during the application of said welding flame, melting additional metal and depositing this molten metal between such heated edges and between such heated opposed portions and into said spaces between said intervals of contact.

1,980,562
PLANTING IMPLEMENT
George M. Walker, Nashville, Tenn., assignor to M. Daniel Johnson, Nashville, Tenn.
Application July 5, 1933, Serial No. 679,115
2 Claims. (Cl. 111—6)



1. A planting implement of the character and for the purpose described in which liquid is conducted from a tank to a setting pin, said pin having a grasping portion, a tapered pin portion, a vertically disposed valve mounting having a nipple formed with threads to engage a threaded opening in the upper outer portion of said pin and in communication therewith, a nozzle and valve seat in said valve mounting, and a spring controlled valve in said valve mounting.

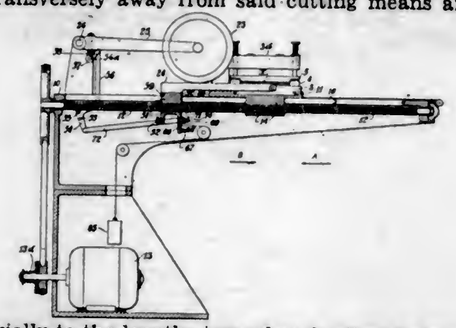
1,980,563
CIGARETTE
William J. Walker, Jr., Philadelphia, Pa.
Application February 24, 1931, Serial No. 517,890
8 Claims. (Cl. 131—52)



1. A paper filtering device for cigarettes comprising a sheet of paper extending transversely of the cigarette in the line of travel of the smoke, having an opening with torn and stretched paper fibers exposed at the edges and means for holding the paper filter material in position.

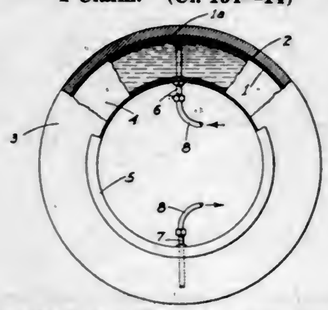
1,980,564
JOINING RUBBER ARTICLES
Harry Willshaw, Sutton Coldfield, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,727
In Great Britain August 1, 1933
22 Claims. (Cl. 154—9)

1. Apparatus for joining the ends of lengths of rubber which comprises a cutting means having a rolling cutting edge, means for clamping said ends to be joined, means for moving said clamping means relatively to said cutters transversely to said lengths into progressive engagement by said cutters to cut the ends of said lengths transversely from one side to the other and means for moving said clamping means transversely away from said cutting means and



axially to the lengths toward each other to bring said ends into abutment.

1,980,565
METHOD OF SECURING A REENFORCING LINER IN A TIRE
Herbert J. Woock, Lodi, Calif., assignor to Super Mold Corporation, Lodi, Calif., a corporation of Nevada
Application March 20, 1933, Serial No. 661,684
1 Claim. (Cl. 154—14)



The method of sealing the inner surface of a tire comprising inserting therein a liner faced on one side with unvulcanized rubber, distorting the tread portion of the tire from the outside to substantially flatten the same and thus spread any crevices or holes opening to the interior of the tire and concurrently applying pressure against the liner from the interior of the tire to cause the liner rubber to be pressed into and seal such crevices, and then vulcanizing the rubber.

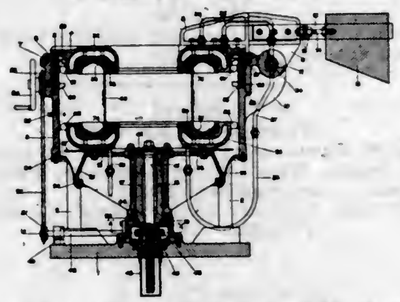
1,980,566
CONTAINER
Henry H. Wright, Upper Montclair, N. J., assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 21, 1931, Serial No. 558,538
11 Claims. (Cl. 18—57)



1. In a method of making containers, the steps which comprise forming a wet tube of a material which shrinks upon drying, disposing means constituting or adapted to cooperate with a closure in one end of the wet tube, drying

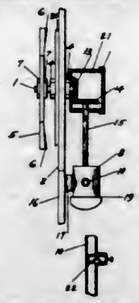
said tube and means on a mandrel whereby the tube conforms to the shape of the mandrel and secures said means in place, and removing the dried tube and its associated means.

1,980,567
APPARATUS AND PROCESS FOR THE MANUFACTURE OF PNEUMATIC TIRES
William Leicester Avery, Bishop's Stortford, England, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 19, 1927, Serial No. 227,101. Renewed October 27, 1932. In Great Britain October 22, 1926
4 Claims. (Cl. 18—17)



4. In an apparatus for expanding pulley bands, a closed chamber provided with side walls in opposed relation having cooperating molding surfaces, said side walls being provided with means for heating the said molding surfaces, at least one of said side walls being provided with a passageway materially smaller than the pulley band to be expanded yet sufficiently large to permit the insertion of an air-bag therethrough, a connection between said side wall and the remainder of the chamber, and said side wall being movable away from the remainder of the chamber to a position permitting the insertion of an unexpanded pulley band between the side wall and the remainder of the chamber.

1,980,568
WINDSHIELD CLEANER
Walter M. Beckwith, Pittsfield, Mass.
Application May 1, 1933, Serial No. 668,777
3 Claims. (Cl. 20—40.5)

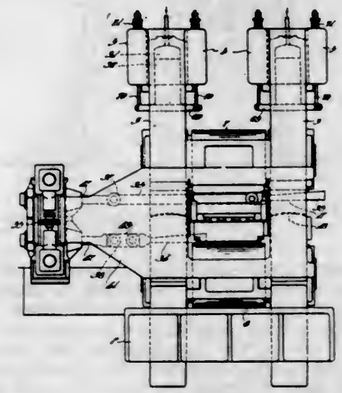


1. In a device of the class described comprising a transparent fixed disk supported adjacent a window pane, said disk provided with a beveled edge to carry rain or moisture to the bottom of said disk, a transparent movable disk support adjacent said fixed disk, means to operate said movable disk by air pressure acting on slots inserted therein.

1,980,569
METHOD OF PREPARING ABSORBENT LOW IN SALTS AND FREE FROM ACID
Daniel S. Belden and William Kelley, Los Angeles, Calif., assignors to Filtrol Company of California, Los Angeles, Calif., a corporation of California
Application September 2, 1930, Serial No. 479,278
5 Claims. (Cl. 252—2)

1. A process of producing an activated clay which comprises: treating a clay with a solution of acid in water for a sufficient time to allow the acid to substantially fully react with the clay; washing the treated clay to remove the water soluble impurities therefrom; heating the washed clay to a sufficient temperature and for a sufficient time to drive off the water therefrom; and washing the dried clay to remove any water soluble impurities therefrom.

1,980,570
ROLLING MILL
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1932, Serial No. 628,675
29 Claims. (Cl. 80—56)



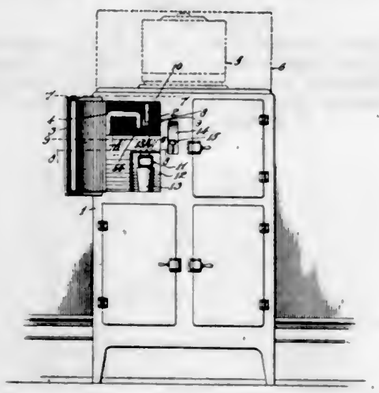
2. A rolling mill comprising a plurality of backing rolls, housings for the respective ends of said rolls, bearing blocks for said rolls that are separated by spacing blocks at each end thereof, working rolls between said backing rolls and having bearing blocks located between said spacing blocks, means for placing said housing and said backing roll bearing blocks and said spacing blocks under stress prior to introduction of material to be rolled, and means for adjusting the spacing of the bearing blocks for said backing rolls whereby when metal is rolled between said working rolls, stress is transferred from said spacing blocks to said working rolls.

3. A rolling mill comprising a plurality of backing and working rolls, bearing blocks therefor at each end thereof, means comprising wedges co-operating with said bearing blocks at each end of said rolls to determine the thickness of the material rolled thereby, and mechanism comprising two pointers for indicating the relative adjustments of the wedges at the respective ends of said rolls and a dial cooperating with said pointers to indicate the distance between the working rolls corresponding to said adjustments.

15. A rolling mill comprising a pair of housings, a plurality of backing rolls having bearing

blocks, a spacing block between each pair of bearing blocks at the respective ends of the rolls, and means for initially placing said housings, said bearing blocks and said spacing blocks under stress greater than that caused by the rolling pressure when metal is passing through the mill, and said spacing blocks and said bearing blocks being of greater cross-sectional area than said housings, and thereby causing the unit stress on said bearing blocks and said spacing blocks to be proportionately less than that on said housings.

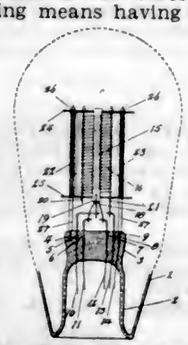
1,980,571
MEANS FOR OBTAINING ICE-BLOCKS FROM AN AUTOMATIC TYPE REFRIGERATOR
Leon S. Brach, East Orange, N. J.
Application March 15, 1932, Serial No. 598,904
26 Claims. (Cl. 62—108.5)



1. Means for obtaining ice-blocks from an automatic refrigerator including a plurality of individual and separable containers having means by which they may be engaged for the purpose set forth, mechanism for advancing certain of said containers in transverse rows through the freezing part of the refrigerator, other mechanism for advancing a single row of containers outside said freezing part of the refrigerator, one at a time to an unloading station while maintaining those within the freezing part of the refrigerator stationary until all in said outside row have been moved to said unloading station, mechanism for ejecting the frozen blocks from the containers as they reach the unloading station, additional mechanism for moving the empty containers to a water-filling station, further mechanism for filling each container as it passes through the filling station, and means extending outside the refrigerator for starting said means into operation.

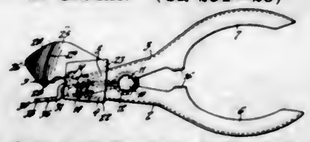
1,980,572
ELECTRON DISCHARGE DEVICE AND METHOD OF MANUFACTURING
Henry F. Callahan, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application July 25, 1933, Serial No. 682,074
2 Claims. (Cl. 250—27.5)

1. The combination of a press having support wires therein, an electrode having posts with their ends in alignment with the ends of said wires, an insulator electrode spacer at the lower end of said electrode and tubular coupling means overlying the ends of said wires and posts, said tubular coupling means having one end seated



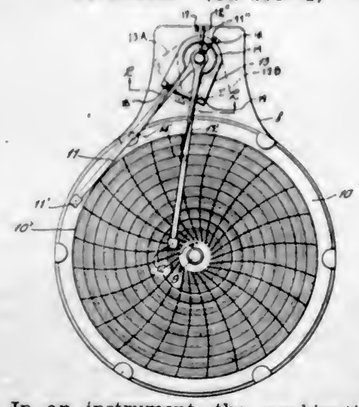
against the edge of the press and the other end seated against said insulator.

1,980,573
STAPLE EXTRACTOR
John F. Cavanagh, Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application February 3, 1934, Serial No. 709,613
12 Claims. (Cl. 254—28)



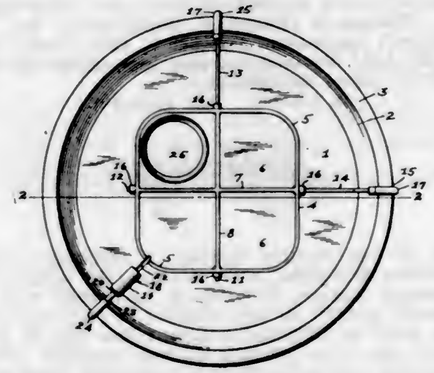
1. In a device of the type indicated, the combination of a pair of pivoted members, a substantially flat blade on one of the members inclined to the pivotal axis of said members and having a wedge-shaped point adapted for insertion under the head of a staple, and means on the opposite member adapted to slide across the top of said blade to engage the head of the staple to cause its legs to be withdrawn from the work as they are held by the angularly disposed edges of the point on the blade.

1,980,574
INSTRUMENT EXHIBITING MECHANISM
George W. Chenicek, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 23, 1933, Serial No. 657,934
10 Claims. (Cl. 234—1)



10. In an instrument, the combination with an actuating element and two exhibiting members all pivoted to turn about a common axis, driving means for each member comprising two projections carried by said element one or the other of which is adapted to engage the corresponding member and move it with the element accordingly as the latter turns in one direction or the other, and means operative on movement of said element in one direction through an intermediate position of the latter to then disengage one member from the projection adapted to move that member in the last mentioned direction, and operative on movement of said element in the opposite direction through said intermediate position to then disengage the other member and the projection adapted to move the last mentioned member in the last mentioned direction.

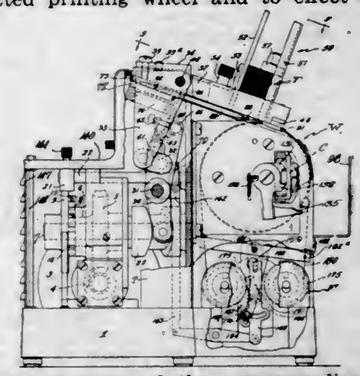
1,980,575
TRAY RECEPTACLE HOLDER
Victor L. Covert, Millvale, Pa.
Application July 26, 1933, Serial No. 682,228
3 Claims. (Cl. 65—65)



2. In combination, a receptacle holder for a service tray comprising, a wire frame, intersecting partition members having their ends rigidly secured to said frame and dividing the latter into a plurality of separate compartments, supporting legs fixed to and depending from said frame for spacing the latter from the tray, a pair of connecting arms joined with the lower ends of respective supporting legs and having hooked ends engaging the peripheral edge of the tray, and means connecting with said frame and engaging the edge of the tray for securing said frame to the tray.

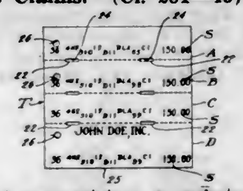
1,980,576
PRINTING MACHINE AND METHOD
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application January 19, 1933, Serial No. 652,468
32 Claims. (Cl. 101—66)

1. Printing mechanism comprising a supporting arbor, a plurality of printing wheels having symbol impressing elements upon their peripheries and having internal teeth engaging the arbor to permit the wheels to rotate thereabout, a plurality of indicating wheels having similar symbols and teeth engaging the arbor, a carriage slidable in relation to the arbor, a shaft rotatably mounted upon the carriage, a pair of spaced pinions mounted upon the shaft and selectively engageable with one of the printing wheels and a corresponding indicating wheel whereby the shaft may be rotated to adjust a selected printing wheel and to effect simul-



taneous movement of the corresponding indicating wheel.

1,980,577
TICKET
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application January 19, 1933, Serial No. 652,467
6 Claims. (Cl. 281—43)



1. A ticket comprising a substantially rectangular body of sheet material having rows of feed openings extending parallel to one of the outer edges of the ticket and defining separable ticket sections, the row of feed openings adjoining said parallel edge of the ticket being spaced therefrom at a greater distance than the spacing of the opposite edge of the ticket from the row of feed openings adjoining the same, whereby the ticket has a plurality of sections with the section adjoining one end having a smaller area than the section adjoining the opposite end.

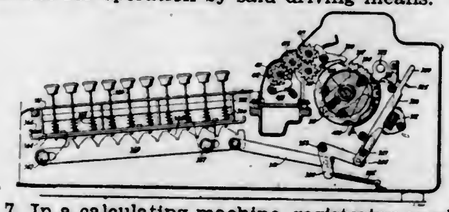
1,980,578
ART OF TREATING CAST IRON CASTINGS
John W. Ford, Hillsboro, Ill., assignor, by direct and mesne assignments, to John H. Bruninga, trustee for the stockholders of Ford Process Corporation, a Missouri corporation whose charter has been forfeited
No Drawing. Application February 10, 1922, Serial No. 535,652. Renewed December 15, 1932
17 Claims. (Cl. 148—21.8)

5. In the art of heat treating cast iron, the process comprising, heating the casting, while packed with a menstruum of cast iron and copper or copper alloy, by the action of an oil flame, in order to adjust the carbon content substantially as and for the purpose set forth.

1,980,579
CALCULATING MACHINE
Carl M. F. Friden, Piedmont, Calif., assignor to Marchant Calculating Machine Company, Emeryville, Calif., a corporation of California
Application November 13, 1929, Serial No. 406,861
11 Claims. (Cl. 235—79)

2. In a calculating machine, registering elements, an actuator therefor, driving mechanism

for said actuator, means for controlling operation of said elements by said actuator comprising a plurality of devices each operable by said driving means to maintain said actuator in position to drive said elements through one step, and means for selecting varying numbers of said devices for operation by said driving means.



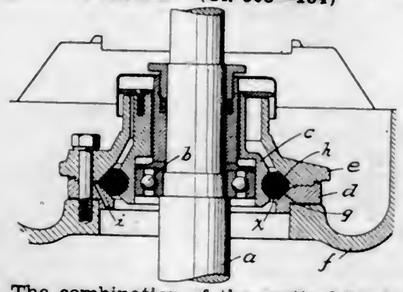
7. In a calculating machine, registering mechanism, an actuator therefor comprising a driving element adjustable in the plane of its driving movement, driving means for said actuator, and means comprising a plurality of members settable by said driving means for effecting adjustment of said element.

1,980,580

GUIDE BEARING FOR SPINDLES OF CENTRIFUGES

Vincent J. Gilmore, Wappingers Falls, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application May 13, 1933, Serial No. 670,913
3 Claims. (Cl. 308—184)



1. The combination of the vertical bowl-driving spindle of a centrifugal separator, a spindle-guiding bearing member, a rubber-like ring surrounding and supporting said member, an enclosing frame, means secured to the frame and providing two frustro-conical surfaces surrounding and clamping between them said bearing-supporting ring and providing also a substantially annular channel spacing apart the large diameter ends of said frustro-conical surfaces, there being a passage communicating with said channel and the interior of the frame.

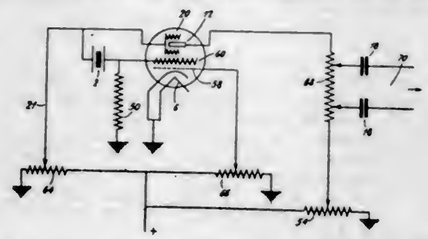
1,980,581

CRYSTAL CONTROLLED OSCILLATOR

De Witt R. Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application June 4, 1931, Serial No. 542,091. Divided and this application July 8, 1932, Serial No. 621,415. In Great Britain May 6, 1932
2 Claims. (Cl. 250—36)

1. An oscillation generator comprising an electron discharge device having an anode, a cathode, a grid adjacent said anode, a grid adjacent said cathode, and a grid intermediate said grids; a single piezo-electric crystal connected between the grid adjacent said anode and said intermediate grid, a non-inductive resistance connected between said intermediate grid and said cathode, a non-inductive resistance connected between said anode and said cathode from which



high frequency undulatory electric currents may be derived, and means for subjecting the grid adjacent said cathode to a suitable operating potential with respect to said cathode.

1,980,582

RESISTANCE ELEMENT FOR RAIL HEATERS

William H. Greenfield, Philadelphia, Pa.

Original application October 7, 1930, Serial No. 486,897. Divided and this application July 30, 1932, Serial No. 626,573
2 Claims. (Cl. 219—19)



1. In an electric heater, a resistance unit therefor including a refractory tube upon the external surface of which a resistance wire is spirally wound, an end member of non-conducting material disposed adjacent one end of said tube, the inner surface of said member being provided with a recess of noncircular cross section, and a stud projecting axially through said member, said stud being provided with an enlarged intermediate portion of non-circular cross section adapted to be seated within said recess and with a tubular extension adapted to be projected within the bore of said refractory tube, and means extending diametrically through said tube and tubular extension whereby to prevent relative rotation between said tube and end member.

1,980,583

NAIL SET

James R. Gurley, Akron, Ohio, assignor to Bessie M. Gurley, Akron, Ohio, and himself

Application April 28, 1932, Serial No. 607,990
Renewed April 4, 1934
8 Claims. (Cl. 145—46)



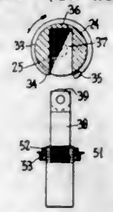
1. In a device of the character described, an elongated body of elastic rubber terminating at one end thereof in a tapered nose, said body having a longitudinally disposed bore, a tool mounted in said bore, the executive end of said tool terminating in spaced relation to the end of the nose whereby the nose will be distorted when forced against an object causing the executive end of said tool to project therefrom.

1,980,584

METAL WORKING MACHINE

Arthur F. Hanson, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 22, 1932, Serial No. 606,774
10 Claims. (Cl. 219—4)



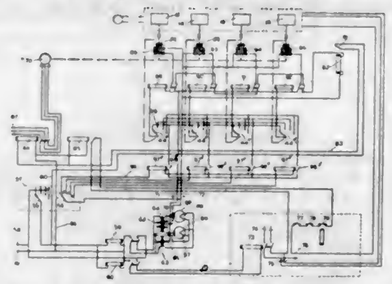
2. A metal working machine having in combination, relatively movable dies and actuating mechanism therefore including a cam arranged to control the die movement during the working operation and a slot in said cam arranged to receive a follower in nested relation during the work charging or discharging operations.

1,980,585

RADIO TRANSMITTER CONTROL APPARATUS

Sumner D. Haberle, East Orange, and Robert J. Davis, Nutley, N. J., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application October 6, 1933, Serial No. 692,364
2 Claims. (Cl. 250—17)



1. In combination, a radio set, means controlling the application of cathode heating current to said set, means for controlling the application of anode current to said set, a plurality of separately adjustable tuning units for said set, a motor for driving said units, a plurality of clutches one for each of said units, means for remotely controlling the simultaneous energization of said clutches, means to render said heating current control means effective to apply heating current to the cathodes of the radio set upon the energization of said clutches, means for effecting the selective deenergization of said clutches, and means to prevent the application of said anode current until all said clutches have been selectively deenergized.

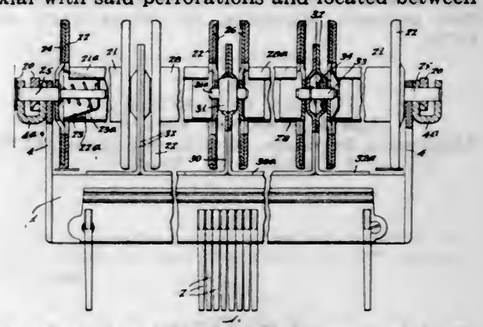
1,980,586

SECTIONAL SPOOL FOR TUBE FRAMES AND THE LIKE

Edgar F. Hathaway, Wellesley, and Walter Bixby, Boston, Mass.

Application May 14, 1931, Serial No. 537,305
7 Claims. (Cl. 139—10)

1. A sectional yarn spool embracing in its construction two coaxially aligned spool sections having sheet metal end heads provided with centrally disposed gudgeon-receiving perforations in mutual alignment, and a supporting gudgeon, revolubly mounted in a bearing coaxial with said perforations and located between



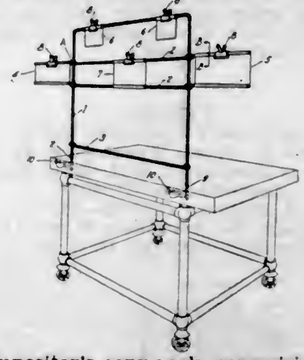
the adjacent end heads and dimensioned to fit into and project through and beyond said central perforations a sufficient distance to permit axial play of both end heads in relation to the gudgeon while the spool is being revolved.

1,980,587

COMPOSITOR'S COPY RACK

Ben E. Hayes, Jackson, Mich.

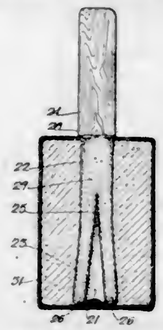
Application December 21, 1933, Serial No. 703,497
1 Claim. (Cl. 276—1)



A compositor's copy rack, comprising a frame having a plurality of reinforcing members, laterally disposed crosswise thereof, at any desired intervals, and two or more of said cross-members being located near the top of the frame and all of same being fixedly attached to the frame at points of contact therewith, and the corresponding ends of any two or more of said cross-members being extended beyond one outward vertical side of the frame and forming marginal reinforcements and supports to platelike members fixedly attached thereto so as to comprise rigid winglike attachments to the rack; and movably attached to the opposite, outward, vertical side of the frame, one or more similar winglike members comprising plates with marginal reinforcement rods extending lengthwise of the plates and beyond the same at one end thereof, said extended ends of the rods being turned around the side member of the frame so as to form a hingelike attachment between said movable winglike member and the rack frame, in such manner as to permit a backward and forward swinging movement of the said movable member; and having fixedly mounted in pendant position upon the top of the rack frame, and upon any one or more of the frame cross-members, platelike members, and mounted

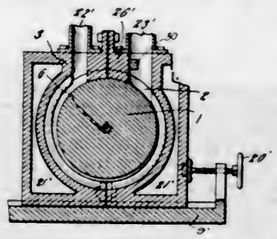
upon said platelike members and upon the fixed and movable winglike members suitable means for holding in place upon the rack, printer's copy, dummy sheets, instruction sheets and other like printer's materials, as substantially set forth.

1,980,588
FROZEN CONFECTION
Adolph Hopp, New York, N. Y.
Application December 16, 1931, Serial No. 581,285
4 Claims. (Cl. 99—16)



1. A frozen confection comprising a frozen body having a passage therein, and a handle, said handle being expansible into engagement with the side walls of the passage to secure the handle to the frozen body.

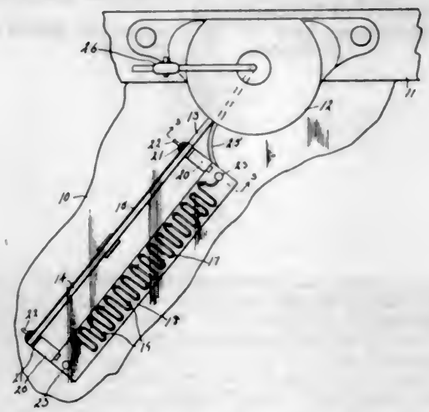
1,980,589
CAPILLARY COLLOID MILL
Solomon F. Acree, Washington, D. C.
Application September 11, 1924, Serial No. 737,209
Renewed June 27, 1932
8 Claims. (Cl. 83—14)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



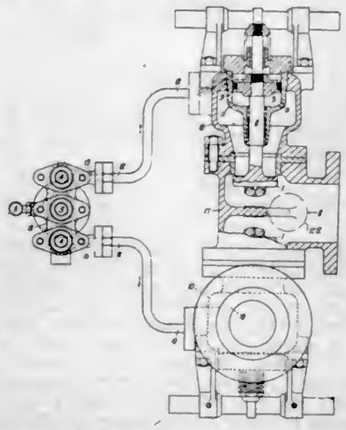
2. A colloid mill comprising a rotor adapted to be rotated at high speed, a casing enclosing said rotor, said casing approaching said rotor continuously in the direction of its rotation for a considerable arc around said rotor and an inlet adjacent the portion of said arc where said spacing is greatest and an outlet adjacent the portion of said arc where the spacing is least.

1,980,590
WINDSHIELD CLEANER
Charles Kelley Knight, Upper Darby, Pa.
Application December 19, 1928, Serial No. 326,978
1 Claim. (Cl. 219—19)

In a device of the kind described, a flexible transparent support capable of flexing sufficiently to pass over ice encrustations formed upon the outer surface of a wind shield glass, a heating element of bare wire fixed directly against a face of said support whereby said support has a tendency to maintain the heating element in direct contact with the ice encrustations, and means carried by said support whereby the complete device may be attached to a wind shield wiper.

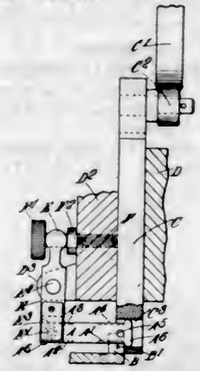


1,980,591
SAFETY VALVE INSTALLATION FOR STEAM GENERATORS
Donald MacNicoll, Cardonald, near Glasgow, Scotland
Application December 14, 1932, Serial No. 647,116
1 Claim. (Cl. 137—53)



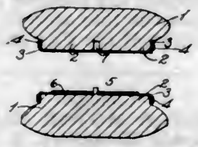
A safety valve installation comprising a pair of independently operable safety valves having a common inlet and normally held seated under load due to inlet pressure, an actuating piston connected to each of said valves, each piston being adapted to be displaced in the direction to impart opening movement to the connected valve by pressure fluid admitted to one side of said piston, unequally spring-loaded auxiliary valves remote from said safety valves and each controlling the passage of pressure fluid to one of said pistons, a spring-loaded sentinel valve in parallel with said auxiliary valves, and set to open at the same pressure as the more lightly loaded auxiliary valve, an audible alarm device in series with said sentinel valve, and a connection controlled by said sentinel valve for admitting fluid pressure to said alarm device.

1,980,592
STAPLING OR DISCONTINUOUS WIRE STITCHING MACHINE
John Irving Nasmith and Wilfred Kirby, London, England, assignors to Vickers-Armstrongs Limited, Westminster, England, a British company
Application March 5, 1932, Serial No. 596,960
In Great Britain May 30, 1931
12 Claims. (Cl. 1—2)



1. Cutting mechanism for a machine of the kind referred to, comprising a movable and rockable knife bar, actuating mechanism for rocking the knife bar and means whereby the rocking knife is freely connected with its actuating mechanism so that it can be slidably adjusted by longitudinal or endwise movement of the knife bar to bring a new portion of the cutting edge into the cutting position without the use of a tool and without dismantling or removing any part of the machine or mechanism.

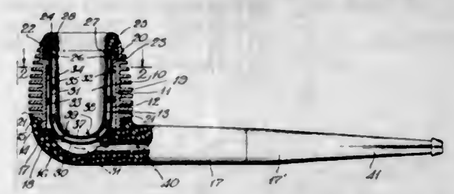
1,980,593
RAZOR BLADE DRIER
Erik Gustaf Nyman, Eskilstuna, Sweden, assignor to Axel Nelson, Great Neck, N. Y.
Application February 24, 1933, Serial No. 658,336
In Sweden May 2, 1932
2 Claims. (Cl. 15—218)



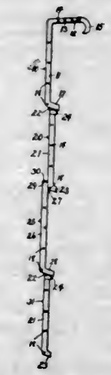
1. A drier for safety razor blades comprising two blocks each having a flat surface covered with water-absorbent material, one of said blocks having a hole extending into its said flat surface and the other one having a pin extending from its said flat surface into said hole.

1,980,594
SMOKING IMPLEMENT
Charles M. Palmer, Brooklyn, N. Y., assignor to Frank N. Mariani, New York, N. Y.
Application February 4, 1933, Serial No. 655,265
2 Claims. (Cl. 131—12)

1. In a smoking implement, the combination of, a seat, a hollow sleeve having a plurality of spaced and superimposed fins and including a reduced portion removably mounted on said seat, a pair of spaced cups disposed within said sleeve and spaced therefrom, said sleeve having an inwardly projecting shoulder, one of said cups comprising a rim removably mounted on said shoulder, said rim being rabbeted and defining a flange, the other of said cups having an enlarged rim removably mounted on said flange, and an annular member removably connected to an upper portion of the sleeve for holding the rabbeted rim to said shoulder and said enlarged rim against said flange.



1,980,595
FIRE ESCAPE
John H. Parsons, Ridley Park, Pa.
Application February 13, 1933, Serial No. 656,454
2 Claims. (Cl. 228—44)

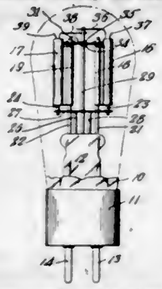


1. A fire escape comprising a plurality of ladder sections including side rails and rungs mounted therein, said sections pivotally connected end to end by rotatably mounting the side rails of one section upon an end rung of the preceding section, said sections being foldable on one another in zig-zag fashion with the center of gravity of all but the uppermost section off the center of their pivot points, whereby said sections will automatically swing outward for unfolding, adjustable suspension means at the upper end of the uppermost section, feet projecting inwardly from the lower ends of each section when considered with the ladder in an extended condition, stops carried by some of the sections and cooperating with adjacent sections to limit the opening movements of the sections, and a catch carried by one section and cooperating with another section to maintain all of the sections in their folded positions.

1,980,596
ELECTRON DISCHARGE TUBE
Walter E. Poor, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 11, 1931, Serial No. 521,779
9 Claims. (Cl. 250—27.5)

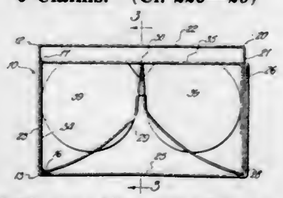
1. A tube comprising an enclosing envelope, a plurality of filaments, a plate adjacent each filament separately surrounding the same, upright supports for the plates, a member fastened to said supports and fitting snugly between and against the opposed outer surfaces of the plates and

holding the latter from movement relative to each other, said member being in the form of a sheet



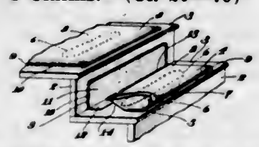
of insulation mounted in a plane extending substantially at right angles to the axes of said plates.

1,980,597
COLLAPSIBLE EGG BOX
Samuel Reich, Brooklyn, N. Y.
Application September 14, 1932, Serial No. 633,021
6 Claims. (Cl. 229—29)



1. A foldable egg box comprising a box body open at its top and provided with an inwardly foldable bottom wall, a filler section folded into said box body and integral with one of the side walls thereof, said filler section including a bottom wall of substantially inverted V-shape, spaced transverse partition members, and interfitting means between the apex portion of said V-shaped bottom wall and the respective partition members for securing said partition members in fixed even spaced relation cross wise of said V-shaped bottom wall.

1,980,598
MEANS FOR MAKING FLOOR COVERINGS MOTH REPELLENT
Lubomir P. Saponoff, Brooklyn, N. Y.
Application August 10, 1932, Serial No. 628,227
4 Claims. (Cl. 20—79)

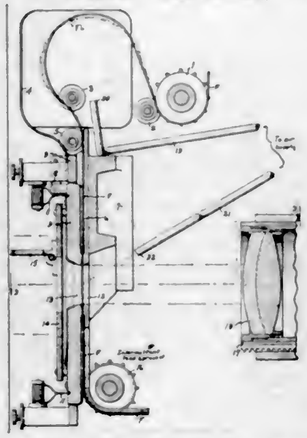


1. A floor covering comprising a top cover or carpet, and a subjacent perforated air-agitating bottom sheet adapted to rest upon the floor with an air-space between its under side and the floor so that the compressing action of the foot in treading upon the top cover or carpet serves to agitate the air above said floor.

1,980,599
PROCESS FOR THE PRODUCTION OF RUBBER LATEX CONCENTRATES
Paul Scholz, Frankfort-on-the-Main, Germany, assignor to Revertex Limited, London, England, a corporation of England
No Drawing. Application January 25, 1932, Serial No. 588,811. In Germany January 29, 1931
9 Claims. (Cl. 18—50)

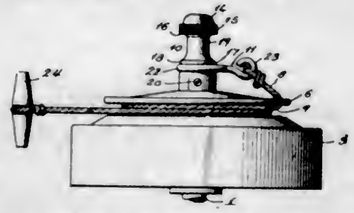
1. A process for the production of rubber-latex concentrates with a content of 70–85% of dry substance by evaporation in the presence of protective colloids and free strong non-volatile alkali in which the content of the alkali is so adjusted that titration of a sample of the concentrate after about 60-fold dilution in volume and in the presence of an indicator the inversion point of which is in the vicinity of the neutral point (i. e. at pH=7) reveals a free-alkali content of 80 to 180 milli-equivalents per kg. of the concentrate.

1,980,600
MOTION PICTURE PROJECTION MACHINE
George K. Spoor, Chicago, Ill., assignor to Spoor Natural Vision Corporation, Chicago, Ill., a corporation of Illinois
Application December 14, 1932, Serial No. 647,174
7 Claims. (Cl. 88—17)



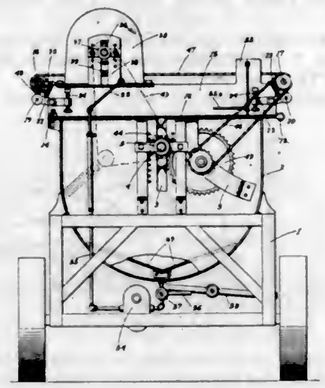
1. In a motion picture projecting apparatus, a film gate having a light aperture therein, means for intermittently feeding the film through the gate and past the aperture, and means for applying a continuous stream of gases medium under pressure against the film as exposed at the aperture so as to strike it at approximately its geometric center for the purpose of continuously forcing it against the film gate to prevent movement and vibration of the film during projection.

1,980,601
OUTBOARD MOTOR STARTER
Charles W. Stickel, Rochester, N. Y., assignor to Walton Products Company, Rochester, N. Y., a firm
Application June 3, 1933, Serial No. 674,225
11 Claims. (Cl. 123—185)



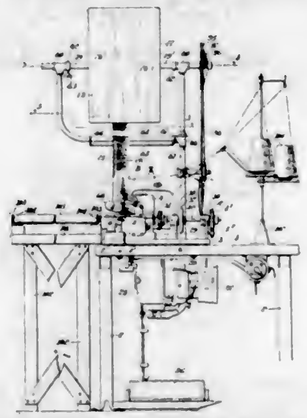
1. In an outboard motor starter, the combination with a flywheel, of an adapter fastened to said flywheel, a flywheel-encircling rope, and means fastening said rope to said adapter, whereby when said rope is unwound from said flywheel to start a motor, said fastening means and adapter will prevent whip of said rope.

1,980,602
TRAY CLEANER
Theodore F. Toniatti, Modesto, Calif.
Application November 28, 1933, Serial No. 700,057
4 Claims. (Cl. 15—77)



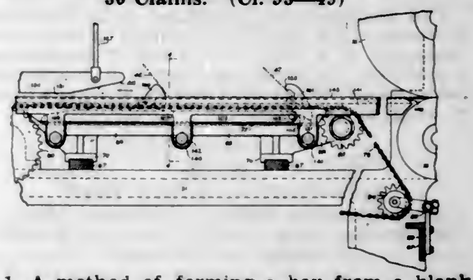
1. A tray washer including an open ended enclosure through which a tray is moved lengthwise, guides mounted in said enclosure to engage the outer side faces of the tray as it is moved, ledges extending along each guide to support the top edges of the sides of an inverted tray, said ledges being spaced apart, and scrubbing means to engage the bottom of the tray and the top edges of the sides as exposed between the ledges.

1,980,603
TANDEM SEWING MACHINE OUTFIT
Irving F. Webb, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 27, 1932, Serial No. 648,854
16 Claims. (Cl. 112—2)



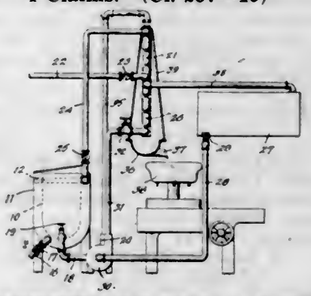
1. The combination with a plurality of sewing machines arranged in tandem, one behind another, each of said sewing machines having stitch-forming and feeding mechanisms and a presser-foot, of an edge-guide disposed in advance of the presser-foot of a rearwardly disposed machine, and work-supporting means at one side of the tandem machines inclined to shift the work into snug engagement with said edge-guide as the work is being fed through the sewing machines.

1,980,604
METHOD AND APPARATUS FOR MAKING CARTONS
Theodore Von Thien, Nyack, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application February 18, 1933, Serial No. 657,365
30 Claims. (Cl. 93—49)



1. A method of forming a box from a blank comprising a box bottom, inner end-wall members at the ends of the bottom, side walls at the sides of the bottom, each having outer-end-wall-forming end-extensions one longer than the other; the blank having a central score through said bottom and inner end-wall members, the longer of said end extensions each having a score from top to bottom, said method comprising folding said inner end-wall members on said bottom; folding the thus folded blank along said central score with said members inward to superpose the side walls and superpose said extensions; applying adhesive to the exposed faces of the thus superposed shorter end extensions; folding each longer extension at its score to superpose the free margin of the longer upon the free margin of the shorter extension; and securing the superposed margins together.

1,980,605
APPARATUS FOR PASTEURIZING MILK
John H. Wade, Fairfield, Conn.
Application August 25, 1932, Serial No. 630,446
4 Claims. (Cl. 257—10)



1. In pasteurizing apparatus, a liquid receptacle, heat exchange means associated with said receptacle for introducing a heating medium into relation with the liquid to bring all of the liquid therein simultaneously to a given temperature, means for cutting off said heating medium, a cooling element, means for supplying cold water to said cooling element, means for gradually carrying the liquid from said receptacle to and flowing it in relation to said cooling element, a pipe from said cooling element to said heat exchange means whereby the cooling water is carried from said cooling element into cooling relation with the liquid in said receptacle to simultaneously cool the remaining liquid therein as it is gradually taken therefrom and flowed in relation to said cooling element, and means for cutting off said pipe from said heat exchange means.

1,980,606
SECONDARY CELL

Edmundo Almeida, London, England, assignor of one-half to Arthur Du Cros, Sussex, England

No Drawing. Application August 17, 1932, Serial No. 629,237. Renewed May 24, 1934. In Great Britain July 28, 1931

4 Claims. (Cl. 136—20)

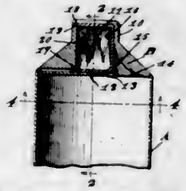
1. A secondary cell consisting, in its condition of readiness for use, of a container, an electrolyte consisting of a solution of a salt of manganese, a negative electrode containing a manganese oxide, and a positive electrode comprising a higher oxide of manganese.

1,980,607
SELF-SEALING PASTE TUBE

Hans Christian Andersen, Mahtowa, Minn.

Application June 7, 1933, Serial No. 674,747

1 Claim. (Cl. 221—60)



In a collapsible tube having a discharge head provided with an outwardly tapered delivery mouth, a shelf interiorly of the tube and arranged at the inner side of the head, the said head, at its inner side, being cut away to form a seat for the said shelf, a closure member of substantially U-shape fitted within the mouth and having one side limb superimposed upon the shelf and the other side limb closing the outer end of the said mouth, the outer end of the mouth being formed with a slot for accommodating said other side limb of the closure member, and a spring located to urge the closure member in a direction whereby the said other side limb thereof will close the outer end of the mouth, the closure member and said head being adapted to entirely enclose said spring for its concealment both on the opening and closing movement of said closure member.

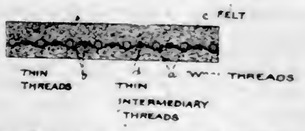
1,980,608
FELT FOR PAPER MACHINES

Adolf Bong, Gloggnitz, Austria, assignor to firm Aktiengesellschaft der Oesterreichischen Fezfabriken, Vienna, Austria

Application July 17, 1931, Serial No. 551,573

In Austria January 19, 1931

1 Claim. (Cl. 139—426)



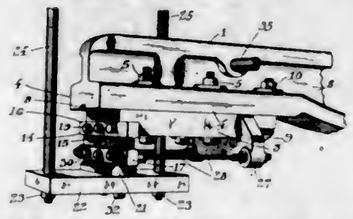
A tubular felt body for rolls of paper machines comprising an inner and an outer layer of felt of fullable material, an inlay between said layers composed of thick weft threads of extraordinarily great strength running in substantially circumferential direction of said body without undulation, a thin weft thread between each pair of said thick threads, and thin warp threads adapted to hold the weft threads together, said warp and weft threads being spaced sufficiently apart to provide open interstices to permit interlocking of the inner and outer felt layers, whereby a firm contraction of the felt body around the roll is attained.

1,980,609
ADJUSTABLE NOSE IRON FOR WEIGHING SCALES

Alfred Bousfield, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application March 19, 1931, Serial No. 523,805

5 Claims. (Cl. 265—71)



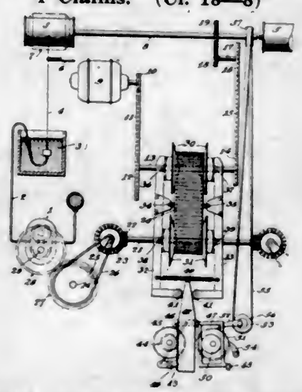
5. A nose iron for weighing scales adjustably mounted on the tip end of the transverse extension lever of a scale, and resilient means connected to the lever end and wall of the scale pit adapted to hold the lever in position and prevent excessive lateral play of the lever and nose iron, comprising a laterally extending check rod provided with spaced, longitudinal notches forming webs disposed at right angles to each other, whereby the said nose iron and lever are resiliently held and permitted to move slightly both vertically and laterally by the flexing of the said webs, when subjected to vibration.

1,980,610
RAYON SPINNING MACHINE

Julius Brenzinger, Fairfield, Conn., assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn., a corporation of Connecticut

Application May 9, 1930, Serial No. 450,950

4 Claims. (Cl. 18—8)



1. A rayon spinning machine including: a pump to deliver fluid material to be formed into thread or the like, a rotatable spool to wind the thread as it is being formed with a gradually accelerated effective speed as the diameter of wound material increases thereon, means to rotate the spool at a substantially constant speed, a change-speed transmission means to drive the pump, and a rectilinearly movable taper-member actuated by the rotation of the spool to automatically adjust said transmission means to gradually increase the speed of the pump.

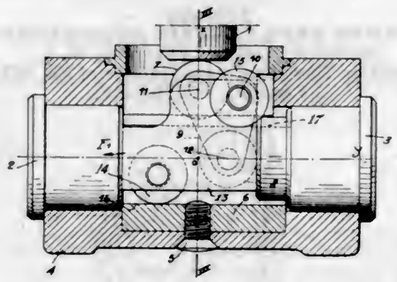
1,980,611
BRAKE

Louis Charles Brisson, Boulogne-sur-Seine, France, assignor to Société Anonyme: Société des Freins Hydrauliques S. de Lavaud, Paris, France

Application October 28, 1932, Serial No. 640,098

In France November 3, 1931

4 Claims. (Cl. 188—78)



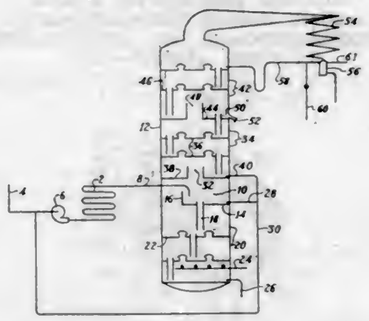
1. In a device for transmitting stresses to brake jaws, a fixed frame, two opposite movable receiving plungers having one and the same geometrical axis, a driving plunger so arranged that its geometrical axis is perpendicular to the preceding one, a bent lever, means for supporting the said lever in such a manner that one of its ends is in contact with the driving plunger and the other with one of the receiving plungers, the said supporting means being operatively associated with the other plunger.

1,980,612
APPARATUS FOR DISTILLATION

George B. Coubrough, Long Beach, Calif., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application July 7, 1931, Serial No. 549,130

1 Claim. (Cl. 196—108)



An apparatus for continuously distilling petroleum oils containing asphalt having, in combination, a column having a stripping section, a collecting deck at the top of the stripping section, a heater for heating the oils and asphalt together in the liquid phase, a feed line to the heater, means for discharging oils from the heater onto the collecting deck, a draw-off pipe leading from the collecting deck, a pump for pumping material from the collecting deck to the feed line, a steam admission pipe at the bottom of the column, and an overflow pipe for carrying residue from the collecting deck downwardly in countercurrent with the steam.

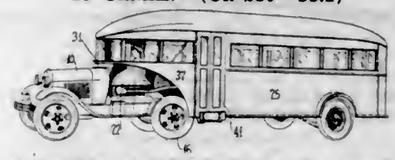
1,980,613
MOTOR VEHICLE

Glenn H. Curtiss, deceased, late of Country Club Estates, Fla., by Lena P. Curtiss, executrix, Miami Springs, Fla., assignor to Curtiss Aerocar Company, Inc., a corporation of Florida

Application April 1, 1931, Serial No. 526,920

Renewed January 30, 1934

19 Claims. (Cl. 280—33.1)



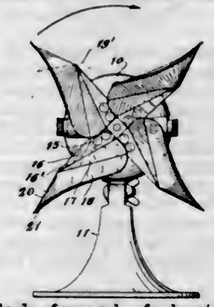
6. A vehicle of the character described comprising a tractor having a vertical, annular housing carrying operating controls within its body, a trailer pivotally connected therewith and having a superimposed housing structure in open communication with said control housing structure, said annular housing being in vertical axial alignment with said pivotal connection.

1,980,614
ELECTRIC FAN

Lynden N. Davy, Butte, Mont.

Application March 15, 1933, Serial No. 660,834

9 Claims. (Cl. 170—159)



1. A fan blade formed of sheet material and having its leading edge portion nearest the root of the blade arranged at an angle of incidence of approximately zero, a leading edge portion near the tip arranged at an angle of incidence of substantially ninety degrees, and connecting portions of intermediate incidence.

1,980,615
FOLDING CHAIR

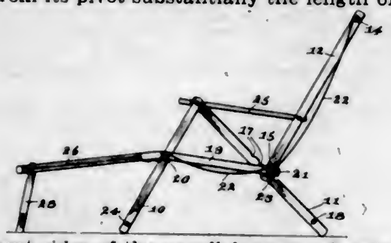
Lilley W. Emerson, Hooksett, N. H., assignor of one-half to Harry A. Freedman, Brooklyn, N. Y.

Application March 16, 1933, Serial No. 661,149

5 Claims. (Cl. 155—117)

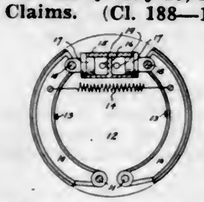
4. A collapsible chair comprising front leg and back rest portions, and arm rest and seat portions, respectively forming opposite sides of a parallelogram pivoted at its corners, and a rear leg constituting a diagonal of the parallelogram to which it is connected at one end and at an intermediate point in its length, one of said connections being pivotal and the other releasable, the back rest portion projecting beyond its pivot with the arm rest portion in one direction to an extent substantially the length of the arm rest portion, the front leg portion projecting beyond its pivot with the seat portion in the opposite direction to an extent substantially the length of

the seat portion, and the rear leg portion extending from its pivot substantially the length of two



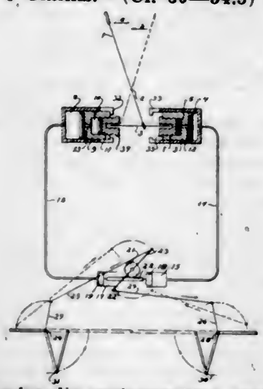
adjacent sides of the parallelogram, whereby the chair can be compactly folded.

1,980,616
CYLINDER FOR HYDRAULIC BRAKES
Ernst Engel, Frankfort-on-the-Main, Germany, assignor to Alfred Teves, Frankfort-on-the-Main, Germany
Application July 2, 1931. Serial No. 548,446
In Germany May 19, 1930
2 Claims. (Cl. 188—152)



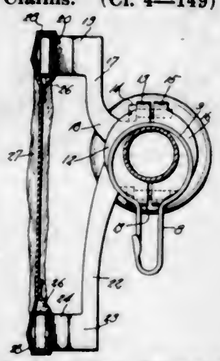
1. In a braking mechanism, in combination with a movable element desired to be braked, a pair of braking members adapted to be moved to engage said movable element to be braked and thereby to restrain movement of the latter, a cylinder, freely mounted and disposed between the braking members, and having open ends and a transverse diaphragm, pistons in and closing the open ends of the cylinder, each being connected to a braking member, and separate fluid pressure conduits leading into the cylinder, one on each side of the diaphragm, between the latter and the piston.

1,980,617
HYDRAULIC OPENING AND CLOSING DEVICE
Ernst Engel, Frankfort-on-the-Main, Germany, assignor to Alfred Teves Company, Frankfort-on-the-Main, Germany
Application October 26, 1931, Serial No. 571,148
In Germany May 30, 1931
6 Claims. (Cl. 60—54.5)



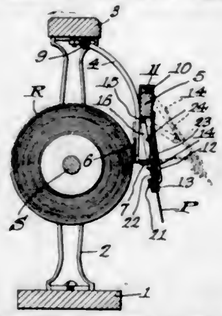
1. In a hydraulic reciprocating system, a pair of opposed fixed driving cylinders, a substantially cylindrical piston in each, a smaller cylinder and piston in each of the first mentioned pistons, floating drive means unconnected to but adapted to abut each of the smaller pistons adapted to act compressively thereupon when moved in opposite directions, thereby exerting no tractile effort on one of the smaller pistons when compressively moving another.

1,980,618
SHOWER BATH CURTAIN AND BRACKET
Nathaniel Gaines, Elizabeth, N. J.
Application November 14, 1933, Serial No. 697,988
5 Claims. (Cl. 4—149)



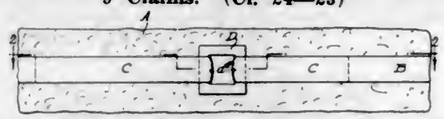
1. A shower bath curtain fixture comprising a pair of semi-circular clamping members for each end of a shower curtain rod, an upwardly extending arm formed on each pair of the semi-circular clamping members, a downwardly extending arm formed on each pair of the semi-circular clamping members, a valance rod extending between the upwardly and downwardly extending arms respectively, and a valance strip supported at opposite edges on the valance rods.

1,980,619
HOLDER FOR PAPER ROLLS
Frank Garrett, Yakima, Wash.
Application October 1, 1932, Serial No. 635,831
3 Claims. (Cl. 242—55.5)



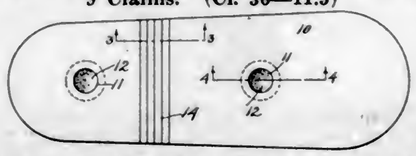
1. A holder for paper rolls including a structure for supporting the roll, a body strip mounted to move relative thereto, means thereon for engaging the roll to hold it against free rotation, a tearing strip mounted to swing relative to the body strip, means for holding the end portions of the paper sheet against the tearing strip but also for free movement relative thereto, said tearing strip being shiftable away from the roll by upward pressure of the end portion of the paper sheet while being pulled from the roll and being shiftable by gravity downwardly toward the roll and along the end portion of the paper sheet when relieved of pressure from the sheet, thereby to support the end of the sheet below and away from the tearing strip, a rotatable member on the body strip, a weight connected thereto, a tongue on the tearing strip, and a lifting finger on said member thrusting against the tongue for transmitting pressure from the weight to the tongue and tearing strip to counterbalance a portion of the weight thereof.

1,980,620
COTTON TIE BUCKLE
Arthur B. Haswell, Birmingham, Ala.
Application November 23, 1933, Serial No. 699,447
9 Claims. (Cl. 24—23)



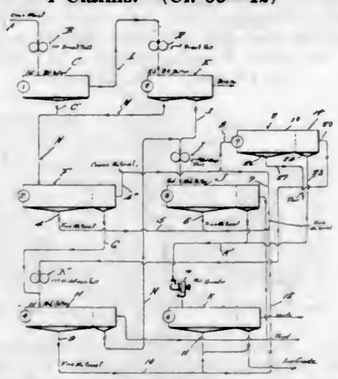
1. A bale tie comprising a metal strap and a once piece buckle consisting of integral end members and side members defining a closed strap-receiving aperture, each of said end members having a curved inward blunt edged projection effective to initially engage the strap and deform it upon the imposition of a load thereon.

1,980,621
SANITARY SANDAL
Robert I. Innis, Winthrop, Mass.
Application April 26, 1934, Serial No. 722,454
9 Claims. (Cl. 36—11.5)



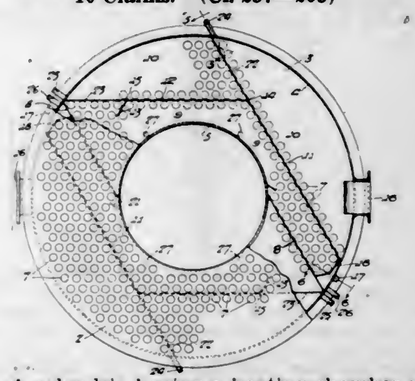
1. A sanitary sandal or sole consisting of a single piece of thin sheet material having means for adhesively and removably fastening it in position upon the sole of a foot.

1,980,622
WHEAT FLOUR MILLING PROCESS
Cyrus S. Johnson, Thompson Township, Fulton County, Pa.
Application February 15, 1930, Serial No. 428,701
4 Claims. (Cl. 83—42)



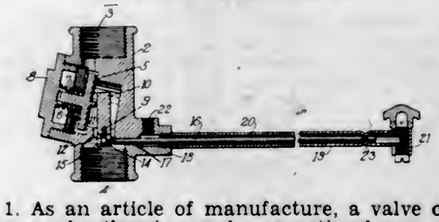
1. In a milling system including the bolters, crushing rolls and conduits for connecting the said elements together, an auxiliary bolter, conduits connecting the same with the soft material outlets of the other bolters, a conduit connecting the auxiliary bolter to one of the coarse material outlets of one of the other bolters whereby said coarse material will be mixed with the soft material to cause a pulverizing action thereon, and conduits for leading the coarse materials from the tail end of the auxiliary bolter to some of the crushing rolls.

1,980,623
CALANDRIA
Robert Kay and Arthur Kruse, Eleele, Territory of Hawaii
Application May 15, 1934, Serial No. 725,792
10 Claims. (Cl. 257—203)



1. A calandria having a heating chamber provided with two compartments, each of said compartments having a plurality of circulatory courses for a heating medium, one course of each compartment having an inlet port for the heating medium and another course thereof having an outlet port therefor, the inlet and outlet ports of each compartment being disposed adjacent the same side of the calandria and the end of the course of each compartment communicating with the inlet port being disposed adjacent the end of the course communicating with the outlet port.

1,980,624
THERMOSTATIC VALVE
John J. Kenney, Pittsburgh, Pa.
Application December 8, 1930, Serial No. 500,756
4 Claims. (Cl. 158—117.1)

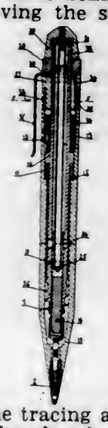


1. As an article of manufacture, a valve casing, a valve therein, a valve operating lever operably connected to said valve, and heat responsive mechanism including an element movable lengthwise for rocking said lever and a guide for an end of said element, said end of said element being coupled to said lever by a ball and cylindrical socket connection.

1,980,625
FOUNTAIN PEN
Jean Laforest, Colombes, and Jean Pignon, Aubervilliers, France
Application October 2, 1933, Serial No. 691,840
In France October 10, 1932
6 Claims. (Cl. 120—43)

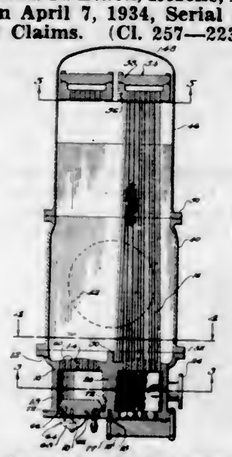
1. A fountain pen comprising in combination: a barrel having a tapered end, a metal cone secured to this tapered end and perforated with a

conduit bored according to three diameters of successively decreasing cross section constituting three chambers, a freely movable tracing ball, a freely movable regulating ball arranged above the tracing ball, both balls being placed in that of said chambers having the smallest diameter, a



ball valve above the tracing and regulating balls and arranged in the chamber having an intermediate diameter, a bead at the end chamber of smallest diameter for preventing the tracing ball from falling out of the latter, the lower portion of the chamber receiving the ball valve constituting a seat for the same.

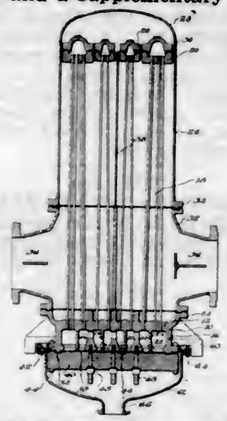
1,980,626
HEAT EXCHANGE APPARATUS
Charles H. Leach, Roselle, N. J.
Application April 7, 1934, Serial No. 719,502
7 Claims. (Cl. 257—223)



1. Heat exchange apparatus comprising a supporting base, radially disposed ribs to form liquid spaces, a tubular cooling system connected with the base and communicating with the spaces, and a detachable cover member for at least one of the spaces seating with the pressure against the base.

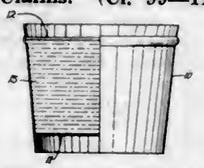
1,980,627
HEAT EXCHANGE APPARATUS
Charles H. Leach, Roselle, N. J.
Application April 11, 1934, Serial No. 720,095
9 Claims. (Cl. 257—223)

1. Heat exchange apparatus for handling hot oil vapor comprising a tubular cooling system, means for providing flow of vapor about the tubular cooling system, passages for directing fluid flow through the interior of the cooling system, a cover member for detachably closing the fluid passages designed to normally resist the pressure therein, and a supplementary cover enclos-



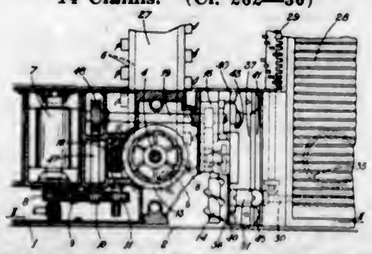
ing the pressure cover and surrounding the joint formed thereby.

1,980,628
MILK DESSERT
Karl J. Monrad, Little Falls, N. Y.
Application March 23, 1931, Serial No. 524,705
7 Claims. (Cl. 99—11)



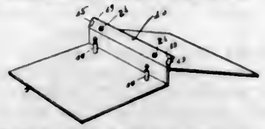
1. The method of packaging a curdled milk dessert so that it can be delivered from the place of making to a distant point which consists in placing the dessert in a paper receptacle of such absorbent qualities as to take up the slight amount of whey formed while the dessert is being transported, so as to avoid the presence of the whey when delivered or consumed.

1,980,629
COAL CUTTING MACHINE AND THE LIKE
Matthew Smith Moore, Malvern, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England, a British company
Application October 12, 1933, Serial No. 693,348
In Great Britain October 22, 1932
14 Claims. (Cl. 262—30)



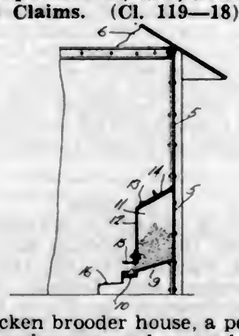
1. In a mining machine, the combination of a casing, an endless chain mounted for movement into and out of said casing, cutter picks on said chain, a sprocket wheel in said casing for driving said chain, means comprising a partition arranged in proximity to said sprocket wheel for engaging and deflecting cuttings carried by said chain, and a conveyor worm supported in said partition adjacent said sprocket wheel and pointing away therefrom.

1,980,630
BOOKBINDER
Edgar W. Otto, Los Angeles, Calif.
Application October 23, 1933, Serial No. 694,801
5 Claims. (Cl. 129—23)



4. In a binder, a locking mechanism comprising a spring member having spaced locking portions and separated ends, an operating member disposed between the separated ends and designed to slide between the ends for enlarging the space between the locking portions.

1,980,631
CHICKEN BROODER HOUSE
John D. Overholt, Wooster, Ohio
Application September 21, 1932, Serial No. 634,252
2 Claims. (Cl. 119—18)



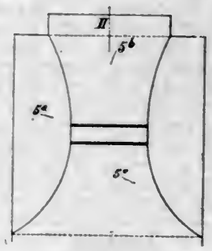
1. In a chicken brooder house, a perpendicular wall, feed troughs arranged around the base of the wall and elevated screen treads for approach to the feed troughs, each feed trough having the wall of the brooder house form the back wall thereof, a depressed feed tray carried by the feed trough in a plane above the screen tread and an adjustable cover whereby the opening is varied to permit chicks to get heads only into feed tray.

1,980,632
APPARATUS AND METHOD FOR DEVELOPING AND GRAVEL TREATING WELLS
Jasper Q. Peeples, Richmond, Va.
Application October 29, 1932, Serial No. 640,317
27 Claims. (Cl. 166—21)



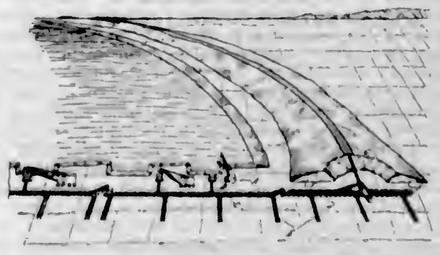
1. An attachment for wells comprising a short pipe section adapted to be secured to the upper end of a strainer, a small pipe therein having its lower end communicating with an opening in the pipe section and its upper end adapted to be connected to a combined water and gravel supply pipe and means for closing the lower end of the pipe when water and gravel are not being fed therethrough.

1,980,633
WIND-SCREEN ENSURING DIRECT VISION THROUGH THE AIR
Yves Léon Jacques Pottier, Paris, France
Application April 16, 1930, Serial No. 444,814
In France July 25, 1929
1 Claim. (Cl. 296—84)



In a wind-shield for vehicles, a rear wall having an observation opening therein, upper and lower front walls arranged to provide an observation opening therebetween, the second mentioned opening being situated in front of and opposite the first mentioned opening, lateral walls connecting the front walls to the rear wall and forming therewith a channel in vacuo extending from the upper part of the upper front wall and to the observation openings, the lower front wall being concaved for effecting under the relative action of the wind in front of the second mentioned opening and transversely thereto a deflection of the air, the streams of air passing in front of the second opening escaping over the upper front wall and preventing the admission of air through the second mentioned opening.

1,980,634
METHOD FOR BUILDING LEVEES
William E. Philips, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application November 14, 1932, Serial No. 642,518
9 Claims. (Cl. 61—30)



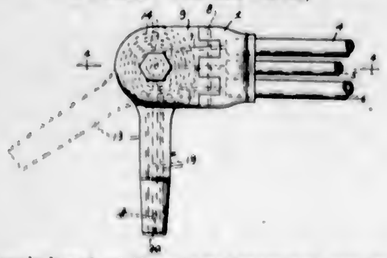
1. The method of building levees which comprises removing material from a borrow pit, disintegrating the material, continuously and uniformly moving the material to the site of the levee, depositing material along zones following the opposite longitudinal edges of the levee site to form the toes of the levee, and then depositing material between the toes to form a core portion of the levee.

1,980,635
THUMB GUARD
William R. Rasmussen and Thomas Ogden, Lynwood, Calif.
Application June 5, 1931, Serial No. 542,380
1 Claim. (Cl. 2—21)



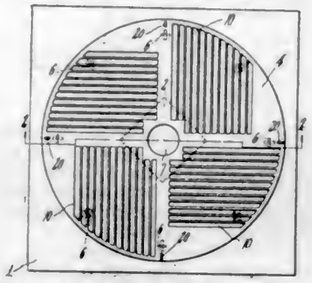
A thumb-guard comprising an elongated tubular metal body conforming in shape to the contour of the thumb, said body having its upper end closed and concaved, the lower end of the body being disposed on a plane at right angles to the axis of the body and provided with a recess in its peripheral edge to fit the crotch of the thumb whereby the guard is held against rotary movement, and corrugations formed in one side of said body for a portion of its length, said corrugations being disposed at right angles to the longitudinal axis of said body.

1,980,636
TORCH HEAD
Frank M. Roumillat, Portsmouth, Va.
Application January 26, 1934, Serial No. 708,466
1 Claim. (Cl. 158—27.4)



A torch head of the class described comprising a stationary member having a counterbored transverse opening therein and including a substantially flat face portion having spaced, annular, concentric channels therein, the stationary member further having ducts therein communicating with the channels, a hinged member pivotally mounted on the stationary member and adapted to be positioned in spaced, opposed relation to the flat face portion thereof, the opposed faces of the stationary member and the hinged member having annular, integral annular flanges thereon, the hinged member having a counterbored transverse opening therein aligned with the first-named opening, a female bolt mounted in the first named opening, a male bolt mounted in the second named opening and threadedly engaged in the female bolt, said bolts extending between the stationary and hinged members and constituting means for securing the latter in operative position, and an adjustable nozzle, said nozzle comprising a substantially circular hub portion journaled on the female bolt between the stationary and the hinged members, said hub portion having a plurality of spaced, annular concentric channels therein registering with the first-named channels, said hub portion further having annular marginal rabbets therein accommodating the annular flanges on the stationary and hinged members, the nozzle having ducts therein extending from the channels in the hub portion to the free end of said nozzle.

1,980,637
EDUCATIONAL GAME
Florence Savory, Chelsea, Mass.
Application November 2, 1932, Serial No. 640,811
1 Claim. (Cl. 273—136)

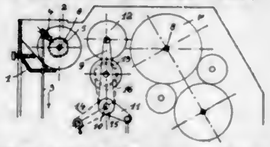


In combination, a game board pivoted for rotation about a center, sets of ways arranged in segmental portions of said board about said center in position to be presented successively into the same relation to a player as said board is rotated, a plurality of character-carrying blocks for association in desired sequence along said ways, said ways cooperating with said blocks to hold said blocks with their characters visible to all the players, and a receptacle for containing a plurality of said blocks positioned at said center.

1,980,638
METHOD FOR MAKING HYDROGENATION PRODUCTS OF KETONES OF THE PYRIDINE AND PIPERIDINE SERIES
Georg Scheuing and Ludwig Winterhalder, Nieder-Ingelheim-on-the-Rhine, Germany, assignors to firm of C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany, a society of Germany
No Drawing. Application June 1, 1929, Serial No. 367,837. In Germany June 1, 1928
35 Claims. (Cl. 260—35)

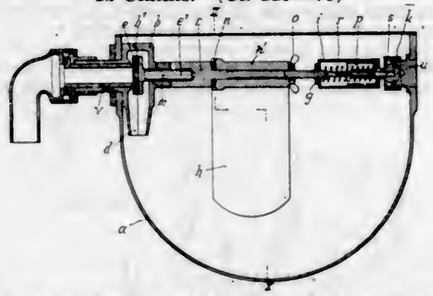
1. A method consisting in hydrogenating a compound having five carbon and one nitrogen atoms, in cyclic union and at least one side chain containing a keto group in one of the α-positions, by treating the starting material with hydrogen in the presence of a hydrogenation catalyst and in the presence of an organic solvent, until at least one mol of hydrogen is taken up and at least one keto group is transformed into a secondary alcohol group.

1,980,639
INKING APPARATUS AND METHOD OF OPERATING THE SAME
Alfred Schlesinger, Berlin, Germany
Application March 7, 1932, Serial No. 597,362
In Germany July 16, 1929
6 Claims. (Cl. 101—350)



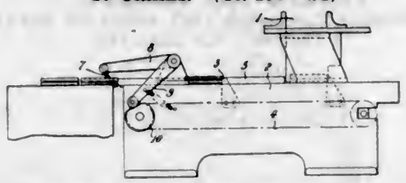
1. An inking apparatus, comprising a member for supplying ink, a main rubbing apparatus comprising an ink receiving member, a subsidiary rubbing apparatus, comprising rollers, means for bodily moving said subsidiary rubbing apparatus from said ink supplying member to said receiving member for transmitting ink from said supplying member to said receiving member, and means for rotating said rollers with a circumferential velocity different from the velocities of said ink supplying and ink receiving members.

1,980,640
DRINKING TROUGH FOR ANIMALS
Georg Schneider, Essen, Germany
Application January 23, 1934, Serial No. 707,986
In Germany November 12, 1932
12 Claims. (Cl. 119—75)



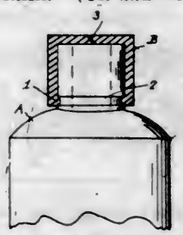
1. A drinking trough for animals comprising in combination with a trough, a water inlet, means for closing said inlet comprising a valve, said valve being movable in the direction of the water current flowing through said inlet to open the same, means for operating said valve comprising a stationary element having a cam surface, a longitudinally slidable shaft in operating engagement with said valve, and an element on said shaft having a complementary cam surface engaging the cam surface of said stationary element, means within said trough operable by the animal for rotating said second cam element with respect to said stationary element for moving said shaft in the opening direction of said valve to permit the valve to open, and means for normally retaining said valve in closed position.

1,980,641
ARTICLE FEEDER FOR PACKING MACHINES
Albert Alexander Stone, Deptford, London, England
Application December 18, 1933, Serial No. 703,023
In Great Britain December 21, 1932
10 Claims. (Cl. 198—24)



1. In a packing machine the combination with a continuous conveyor having at least one article engaging pusher piece to deliver the articles to a position at which they are left stationary, of a conveyor element operative in a path transverse to said continuous conveyor, said stationary position of the articles being situate intermediate of said conveyors, each article, as it is delivered to the stationary position, moving the article already in that position into the path of said conveyor element, and an element disposed above said position and pivotally mounted for operative engagement with the uppermost surface of an article in said position to move such article out of engagement with the article last ejected from said position.

1,980,642
PASTE TUBE CAP
James W. Tanfield, Jersey City, N. J.
Application April 9, 1934, Serial No. 719,758
1 Claim. (Cl. 221—60)



A cap for a paste tube comprising a body of resilient material and including a flange for fitting over the neck of a paste tube and a top part, said top part having a diametrically arranged slit therein, the ends of which terminate in spaced relation from the flange, said slit sloping from the upper face of the top part to the lower face thereof, whereby one wall of the slit overlaps the other wall, the overlapping wall forming a lip and said top part having a pair of short slits therein for separating the ends of the lip forming part from adjacent parts of said top part.

1,980,643
PAINT MIXER
Cyrus R. Tibbetts, Los Angeles, Calif.
Application July 6, 1933, Serial No. 679,231
1 Claim. (Cl. 259—126)

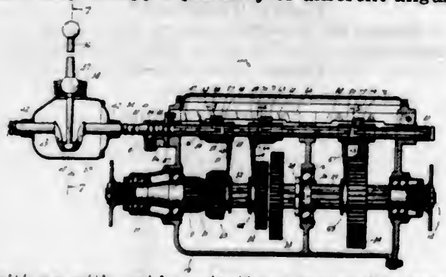


A tool for mixing paints and the like comprising a rigid apertured foot, parallel apertured side flanges depending from two edges of the foot and having cutting corners and scraping edges, and a handle extending from the foot, the space between the flanges being open between the ends of the flanges.

1,980,644
GEAR SHIFTING MECHANISM
Francis M. Vandervoort, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1931, Serial No. 547,632
12 Claims. (Cl. 74—477)

1. In a transmission having a shiftable element, a shaft having splines thereon, a shifter fork bearing upon said splines and having inwardly extending projections of substantially less angular extent than the angular extent of the spaces between the splines on said shaft, whereby said

shaft may occupy a plurality of different angular



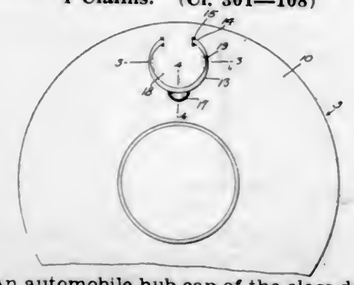
positions with said projections engaged between said splines.

1,980,645
BUILDING CONSTRUCTION
Edmond F. Vensie, Philadelphia, Pa., assignor to Frederick M. Vensie, Philadelphia, Pa.
Application June 14, 1932, Serial No. 617,073
8 Claims. (Cl. 72—118)



8. In a building construction, a tubular unit slitted throughout its length to form opposed spring jaws, a panel abutting the slotted face of said unit, a nail passing through said panel and slot and having a serrated end engaging said unit, and a tongue within said unit for directing said nail to the position at which said serrations engage said unit.

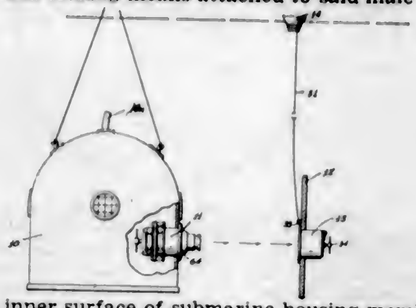
1,980,646
VEHICLE WHEEL HUB CAP
John J. Vickerilla, Paterson, N. J.
Application June 18, 1934, Serial No. 731,187
4 Claims. (Cl. 301—108)



1. An automobile hub cap of the class described comprising a resilient snap-in cap, and a hingedly attached finger ring carried thereby, said cap being formed with a keeper groove for reception of said finger ring, said groove being of a diameter in relation to the normal diameter of the finger ring to spread the finger ring when it is seated in said groove, whereby to employ the resilient retention properties of said ring to aid in holding it in the groove.

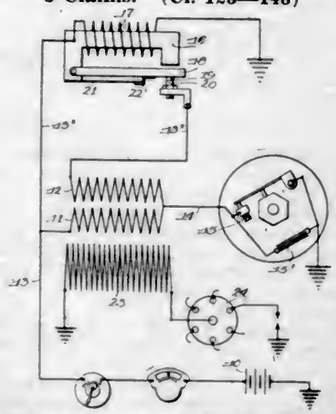
1,980,647
SUBMARINE LIFE SAVING APPARATUS
Bento A. Viveiros, Cambridge, Mass.
Application August 5, 1933, Serial No. 683,828
7 Claims. (Cl. 114—16.5)

1. A submarine life saving apparatus comprising the combination of a housing member embedded in the wall of a submarine; a float member adapted to fit inside said housing having its outer surface flush with the exterior of the said housing in its normal position, a man-hole cover hinged at the inner end of said housing, a screw shaft member located in the center of said man-hole cover and axially disposed to said housing, the outer end of said shaft engaging in a threaded orifice in the said float member, locking means surrounding said shaft member on said man-hole cover and adapted to lock said man-hole cover to the inner end of said housing in a watertight manner, means for unlocking said man-hole cover from either side of man-hole cover, a second housing member adapted to be attached to a diving bell having a male outer cylinder adapted to engage inside of said submarine housing member and locking means attached to said male end



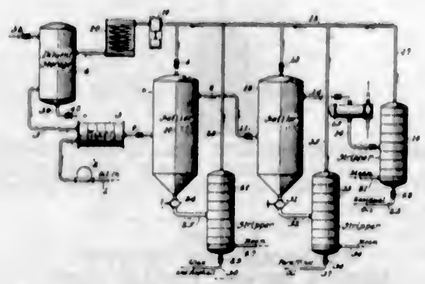
and inner surface of submarine housing member, a beveled valve seat and valve lip located on said submarine housing and diving bell housing respectively adapted to form a seal between the two said housings, means located inside of said diving bell and attached to said diving bell housing adapted to lock said diving bell housing tightly to said submarine housing member, a valve member located axially within said diving bell housing adapted to tightly close its exterior end and to remain closed until after the two said housings are solidly bonded together, means for releasing said valve and the removal of same from said diving bell housing, said valve retaining and removing mechanism comprising a compression member located within said diving bell attached to the rear end of said male portion of the said housing.

1,980,648
BATTERY IGNITION SYSTEM
Charles J. Voge, Chicago, Ill.
Application January 6, 1933, Serial No. 650,417
3 Claims. (Cl. 123—148)



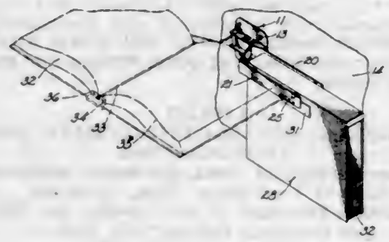
1. A battery ignition system comprising a coil having two primary windings, and means for electro-magnetically connecting said windings in parallel in the primary circuit, said means including a relay automatically actuated by variations in the voltage of the primary circuit.

1,980,649
LUBRICATING OIL PROCESS
Vanderveer Voorhees, Hammond, Ind., and John A. Anderson, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1932, Serial No. 620,192
13 Claims. (Cl. 196—13)



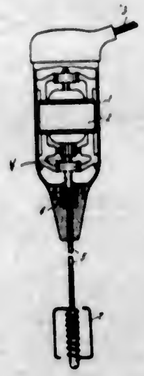
1. The process of separating from substantially wax free mineral lubricating oils, a paraffinic fraction having a lower viscosity temperature coefficient than the oil treated, comprising diluting the oil with a solvent of high fluidity, refrigerating the solution to a temperature below that required to separate wax, whereby said paraffinic oil fraction is crystallized, separating said crystallized oil fraction from the remaining solution, discarding the oil remaining in solution and recovering and melting the crystallized oil fraction.

1,980,650
BOOK OR BOOK COVER SUPPORTING DEVICE
Leonard M. Webber, Los Angeles, Calif.
Application June 18, 1932, Serial No. 617,941
11 Claims. (Cl. 45—58)



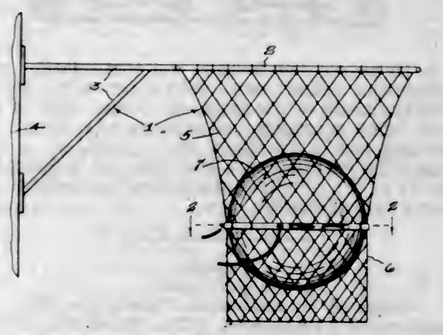
1. In a book supporting device, the combination of: a bracket member adapted to be secured to a supporting surface; and a book supporting member attached to said bracket member and adapted for pivotal attachment to the covers of a book adjacent its binding to provide an axis normal to said book in closed position so that said book may be swung relative to said book supporting member and about said axis to closed position suspended from said book supporting member and to open position above said book supporting member.

1,980,651
ELECTRIC DRIVE FOR DOMESTIC UTILITY DEVICES
Wilhelm Weimers, Berlin, Germany, assignor to Siemens - Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application December 22, 1932, Serial No. 648,359½. In Germany December 22, 1931
1 Claim. (Cl. 259—135)



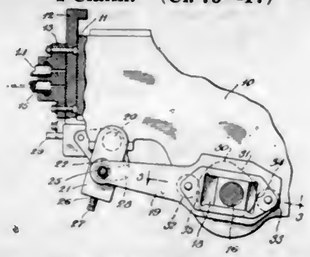
A device for electrically driving domestic utility devices, comprising a handle, an electric motor securely supported in said handle, a removable tip on said handle and an operating shaft adapted to carry a utility device at its outer end and being journalled within said tip, and a slip clutch between said operating shaft and the motor shaft, said clutch consisting of the motor shaft end, split for a suitable length, and a coupling sleeve fixed on the operating shaft and frictionally engaging the split motor shaft end, said sleeve being located within said handle tip and held thereby in engagement with the motor shaft end.

1,980,652
BASKET BALL GOAL INDICATOR
Rudolph F. Wiezel, Liverpool, and Henry G. Berberich, Syracuse, N. Y.
Application December 7, 1933, Serial No. 701,352
10 Claims. (Cl. 273—1)



1. In a basket-ball goal, the combination with a basket having a throat through which the ball passes, the throat having radially expansible and contractile means of such dimension relative to the ball as to be expanded by the ball when passing therethrough through the throat, and indicator means operable by the expansion of said means.

1,980,653
UPSETTING MECHANISM
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application September 9, 1932, Serial No. 632,364
1 Claim. (Cl. 78—17)



In an upsetting mechanism, in combination, a gate adapted to be reciprocated toward and from a work piece; a punch carrier movably carried by the gate, punches carried by the carrier, means for actuating said carrier, said means including a drive shaft, cams on said shaft, a pitman operated by said cams and operatively connected to said carrier, one of said cams contoured to advance said pitman and another of said cams being contoured to retract said pitman to move said carrier to index said punches in line with said work piece and an abrupt projecting cam portion actuating said pitman to move said carrier a short distance at different speed when one of said punches is indexed with respect to said work piece and during the advancing movement of said gate, said short movement combined with the gate movement producing an angular movement of said carrier and punch, said indexing cam being so contoured as to allow such short movement.

1,980,654
ELECTRIC HEATER
Carl R. Anderson, Erie, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application May 19, 1932, Serial No. 612,191
3 Claims. (Cl. 219—37)



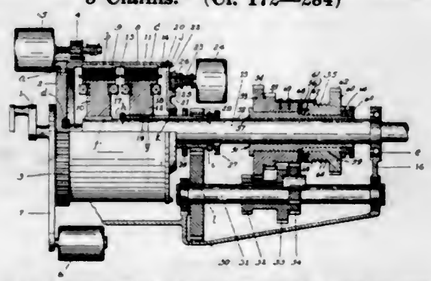
3. In an electric heater, the combination of a supporting metal strip, said strip being folded longitudinally of the strip, the folded edge of the strip being provided with a series of notches; insulating blocks arranged in the notches; a wire extending within and along the fold locking the blocks in the notches; and a heating element secured in said blocks.

1,980,655
HAND GRIP
Mildred D. Balistreri, Pittsburgh, Pa.
Application February 3, 1933, Serial No. 655,034
1 Claim. (Cl. 15—246)

In combination, a handle grip comprising a tubular rubber body portion having open ends, an annular rib formed at each end of said body portion and projecting beyond the inner and outer sides of the wall of said body portion, an adhesive agent covering the entire inner area of said body portion excepting the surfaces of said annular ribs, and a cylindrical cushioning element constructed from softer material than said body portion surrounding and adhesively secured to said body portion, the outwardly projecting portions of said annular ribs overlapping the respective ends of said cushioning element, substantially as described and for the purpose set forth.

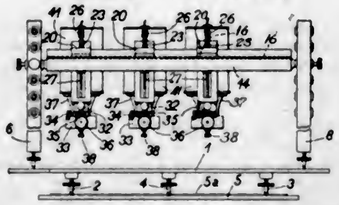


1,980,656
TRANSMISSION SYSTEM
David A. Barnett, Hamden, Conn.
Application July 20, 1932, Serial No. 623,523
8 Claims. (Cl. 172—284)



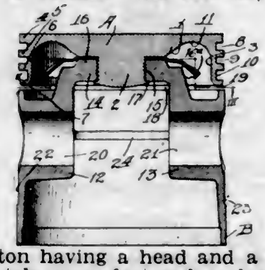
1. A transmission comprising a prime mover, a driving shaft, a driven shaft, first electro-magnetic means for transmitting power directly between said shafts at all speeds of said prime mover, second electro-magnetic means for transmitting additional power indirectly between said shafts at a reduced speed ratio only, and means for automatically connecting and disconnecting said second means between said shafts without affecting transmission of power by said first mentioned means.

1,980,657
APPARATUS FOR PLOTTING MAPS FROM PHOTOGRAPHS
Walther Bauersfeld, Jena, Germany, assignor to firm of Carl Zeiss, Jena, Germany
Application February 16, 1933, Serial No. 657,047
In Germany February 22, 1932
3 Claims. (Cl. 33—20)



1. An apparatus for plotting maps from photographs taken from aircraft, comprising a projection surface and at least one supporting rod, means being provided for adjusting each of the supporting rods relatively to the said projection surface, at least three image projectors being movably mounted on each supporting rod.

1,980,658
PISTON
George H. Blettner, Chicago, Ill., assignor to Renette Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1931, Serial No. 583,826
6 Claims. (Cl. 309—21)



1. A piston having a head and a skirt which are separately manufactured and subsequently assembled together, the skirt having piston pin bosses integrally formed therewith and a bridge connecting said bosses, said head having a centrally disposed enlarged portion or shank for engaging with the central portion of the bridge for connecting the head to the bridge, and a dished washer of high heat conductivity characteristics on said shank interposed between the head and the bridge to dissipate heat from the head under working conditions of the piston and having a free depending flange adapted to contact with oil inside the piston, said central portion of the head and said bridge being permanently connected together.

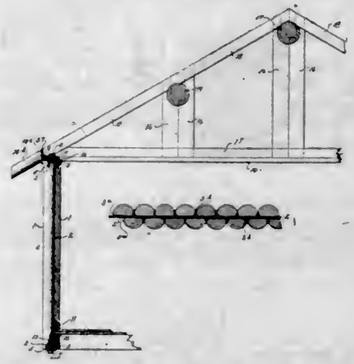
1,980,659
NOTE-BLOCK
Johannes Boldt, Kiel, Germany
Application November 11, 1932, Serial No. 642,188
1 Claim. (Cl. 281—9)



In a note block for wrist straps a windowed casing, a table beneath the window in said casing, outwardly directed legs for said table having forked outer ends, a pair of spindles extending longitudinally through said casing and journaled with one of their ends in one of the end walls of said casing and with their other end in the forked ends of the table legs, and carrying operating knobs, said spindles longitudinally slotted for holding the ends of a paper band guided over the table beneath said window upon the rotation of said spindles by their knobs, paper feeding members on said spindles, and means for limiting the outward movement of said spindles.

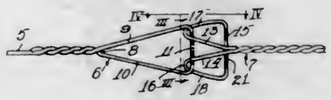
1,980,660
CONSTRUCTION OF LOG CABINS
Charles W. Bonn, St. Clair, Mich.
Application May 10, 1933, Serial No. 670,236
8 Claims. (Cl. 20—1)

1. A building wall construction including a thin flat wall, a plurality of log members formed by dividing logs longitudinally to form each member with a flat side and a side formed by the natural curved log surface, said members being secured with their flat sides against the opposite sides of said thin wall in opposed relation and covering said sides, members extending transversely of the ends of the several log members and adapted to



force by a movement of said members toward said log members, the log members at each side of said thin wall into firm contact therewith, and means for so moving said members to firmly clamp said log members against the opposite sides of said thin wall.

1,980,661
BALE TIE
Albert F. Bradley, Sterling, Ill., assignor to Northwestern Barb Wire Company, Sterling, Ill., a corporation of Illinois
Application December 27, 1932, Serial No. 648,917
15 Claims. (Cl. 24—27)

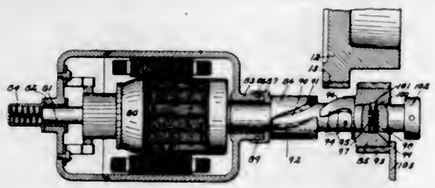


1. In a bale tie, two cooperating tie ends, a permanently closed loop on one of said tie ends, said loop including a base portion at the forward end thereof and two side portions forming a triangle being widest at the base, a hook on the other said tie end including a return bent bight, said hook being wider at the end of the bight than is said loop at the base.

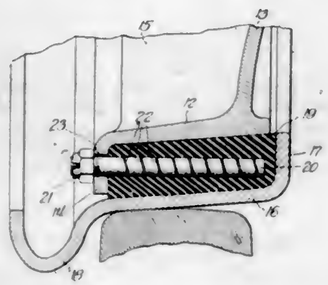
1,980,662
ENGINE STARTING MECHANISM
Carl P. Brockway, Paterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio, a corporation of Delaware
Application May 7, 1921, Serial No. 467,635
Renewed October 26, 1932
10 Claims. (Cl. 74—9)

1. In a drive mechanism, the combination of a shaft, a power transmitting element secured to the shaft for rotative movement therewith; a pinion positioned on the shaft and slidable relative thereto and movable to operative and non-operative positions frictional means for normally holding said pinion to said shaft; a separable connection between the pinion and power transmitting element, said connection being effective to move said pinion axially into operative position accompanied by the transmission of progressively increasing force from the shaft, as the shaft is positively accelerated in speed, and to move the

pinion axially out of operative position when the pinion speed is positively accelerated, said frictional means adapted to thereafter hold said pinion in non-operative position.



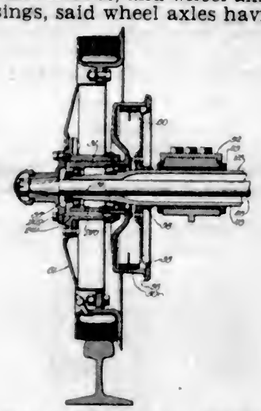
1,980,663
WHEEL
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Tructractor Company, Battle Creek, Mich., a corporation of Michigan
Application August 4, 1932, Serial No. 627,410
1 Claim. (Cl. 295—11)



A wheel for rail cars comprising an endless rim of conical configuration, a flange formed on said rim and extending radially outwardly therefrom, a tire for said wheel, said tire being of conical configuration and having a flange extending radially inwardly therefrom, said flanges cooperating with said rim and tire to form a substantially closed pocket therebetween when said tire is positioned on said rim, resilient means comprising an endless ring having walls of generally conical configuration confined within said pocket, and means extending through one of said flanges and being adjustable to draw said resilient means and tire toward said flange and thereby tighten said resilient means and tire on said wheel by reason of the wedging action between the resilient conical ring with the conical rim and tire.

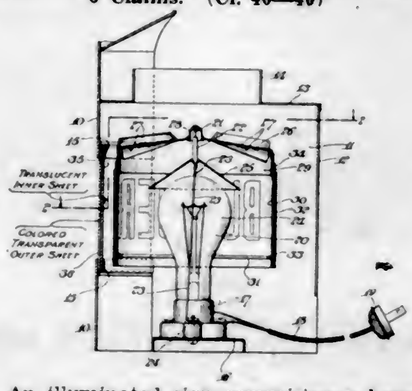
1,980,664
RAIL CAR
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Tructractor Company, Battle Creek, Mich., a corporation of Michigan
Application March 3, 1933, Serial No. 659,535
20 Claims. (Cl. 105—118)

1. A truck for rail cars and the like comprising, in combination, longitudinally disposed side frames, axle housings non-rotatably carried near the ends of said frames, and wheel axles disposed in said housings, said wheel axles having bearing



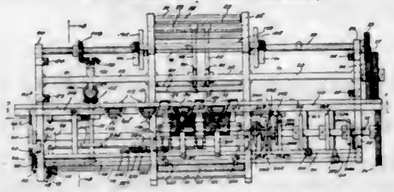
support on said housings and adapted to have limited lateral movement therein.

1,980,665
ILLUMINATED SIGN
Samuel Corbman and Joseph Corbman, Philadelphia, Pa.
Application June 16, 1933, Serial No. 676,032
6 Claims. (Cl. 40—40)



1. An illuminated sign comprising a housing, a lamp mounted therein, a rotatable device pivotally mounted above said lamp and having a transparent cylinder disposed around said lamp, an annular member spaced with respect to said transparent cylinder thereby to provide an annular pocket, a plurality of letter strips interchangeably mounted in said annular pocket, the housing having a window opening, and a screen extending across said window opening upon which the lettering is projected.

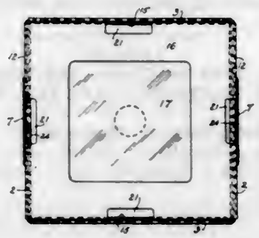
1,980,666
LOOM AND FABRIC
George Crompton, Jr., Flushing, N. Y.
Application January 30, 1933, Serial No. 654,139
40 Claims. (Cl. 139—1)



1. In a loom, the combination with shedding means, and means for beating up in spaced sections, of knitting means in spaced sections complementary to the sections of the means for beating up, and wefting means cooperating with both said shedding means and said knitting means.

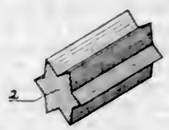
19. In a loom, a plurality of warps, a plurality of knitting instrumentalities, wefting means to lay weft, shedding and beating up means to cause said weft to form woven sections with said warp, and actuating means to cause said knitting instrumentalities to knit sections, joining said woven sections, and means to form selvages on each side of each of the woven sections.

1,980,667
BERRY BOX
Walter F. Daley, Pelham Manor, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application May 26, 1933, Serial No. 672,952
8 Claims. (Cl. 229—45)



1. A berry box of the class described comprising a walled body formed of one piece, and having four sides and a bottom, two opposite sides having glued, bent over edge flaps to reinforce the edges thereof, the other two opposing sides having bent over edge flaps which are stapled at spaced places to their respective side walls to provide a cover lock flap space therebetween and a slitted out stop in the last named sides and adjacent to the edges thereof, to form a stop for a coacting cover lock.

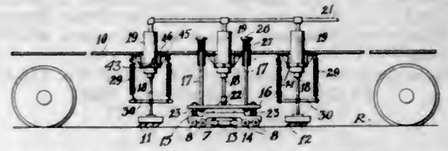
1,980,668
REENFORCING BAR FOR CONCRETE
Charles Stratton Davis, Pittsburgh, Pa.
Application January 20, 1932, Serial No. 587,699
1 Claim. (Cl. 72—111)



A reenforcing bar for concrete being in the form of a prism between any two parallel cross sectional planes whose uniform cross section is that of a 6-pointed star.

1,980,669
FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application April 25, 1932, Serial No. 607,310
7 Claims. (Cl. 175—183)

1. In a flaw detector adapted to be mounted on a car, a current brush carriage, a detector carriage, and means for supporting said carriages on said car independently of each other,

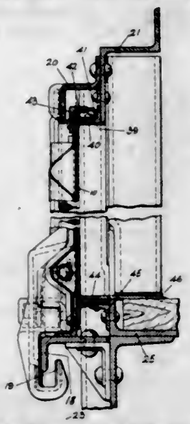


said last named means including means whereby said carriages may move relative to said car.

1,980,670
INHIBITOR FOR NITRIDING PROCESSES
Harold A. Eckman, Oak Park, and Henry W. Maack, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application June 20, 1931, Serial No. 545,834
5 Claims. (Cl. 134—1)

1. A protective coating or inhibitor for use in a nitriding process comprising a cementitious material consisting of 30% to 40% ammonium phosphate in solution, 3% to 10% boric acid in water solution, and a pigment including 35% to 90% tin powder, 5% to 60% ground silica and 1% to 25% ground kaolin, the inhibitor deriving its hardening and setting characteristics from the chemical reaction between the liquids and solids.

1,980,671
CAR DOOR CONSTRUCTION
Carl E. Eklind and Wilfred A. Beauchamp, Chicago, Ill.
Application September 14, 1932, Serial No. 633,137
5 Claims. (Cl. 189—46)



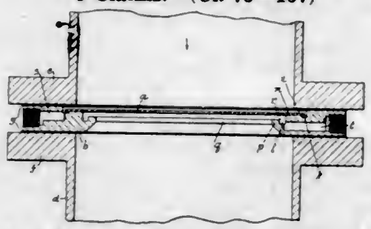
1. In a railway house car having a door opening, a sliding door for closing said opening, a metallic sealing strip secured to said car adjacent to a vertical edge of said door opening, a metallic sealing strip secured to a vertical margin of said door, said strips cooperating in the closed position of said door to exclude relatively large particles of foreign matter from entering said car at said margin of the door, an additional flexible strip secured to said car adjacent to said vertical edge of the door opening, said door sealing strip engaging and deforming said flexible strip in the closed position of the door to provide a dust seal at said margin of the door, and cooperating means secured to said car and said door for similarly providing a dust seal for the remaining margins of said door.

1,980,672

ORIFICE PLATE FOR FLOW METERS

Friedrich Viktor Anton Ernst Engel, London, England, assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application November 30, 1931, Serial No. 578,009
In Germany December 2, 1930
5 Claims. (Cl. 73—167)



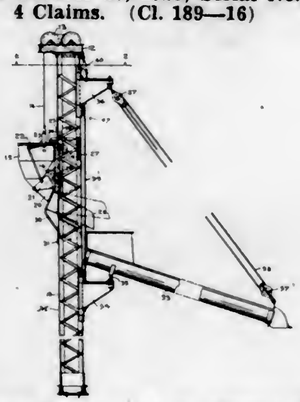
1. A differential pressure producing device, comprising a ring for insertion between adjacent flanges of a conduit, and having stepped down portions in one face thereof and a groove in each of said stepped down portions, said ring having a pressure connection extending from the outer periphery and communicating with each of said grooves and an orifice plate carried by the first stepped down portion.

1,980,673

APPARATUS FOR HOISTING AND DISTRIBUTING LOOSE MATERIAL

John P. Faber, Dunellen Borough, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey

Application October 20, 1928, Serial No. 313,679
4 Claims. (Cl. 189—16)



4. The combination with an erected sectional mast, of a frame slidably secured thereto and movable up and down thereon throughout the height thereof, a support for workmen carried by said frame, and a device on said frame for moving an additional section of the mast to position on top of said erected section after said frame has been elevated to the proper height.

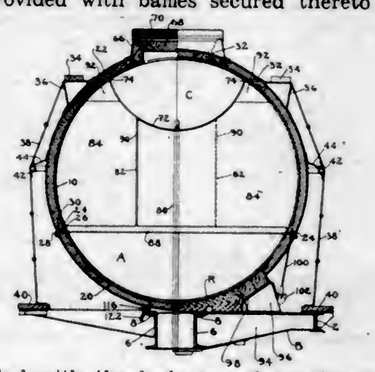
1,980,674

TANK CAR

Clyde H. Folmsbee, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application June 1, 1933, Serial No. 673,843
17 Claims. (Cl. 62—17)

1. In a railway car tank for the transportation of liquid lading, a body, and means for maintaining the liquid lading at a low temperature comprising refrigerant holding containers in the body and provided with baffles secured thereto and



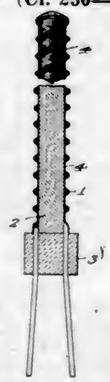
connected with the body and depending below the containers to increase the effective cooling areas.

1,980,675

METHOD AND MEANS FOR PREVENTING HEATER-CATHODE LEAKAGE IN A RADIO TUBE

Mark N. Fredenburgh, Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application May 2, 1932, Serial No. 608,835
5 Claims. (Cl. 250—27.5)



1. A heater assembly for an indirectly heated cathode of an electron discharge tube comprising a tungsten wire wound into a helix around a vitrified insulating core rod which consists of 95% beryllium oxide and 5% silica, and a thin vitrified insulating coating adherent to and covering both said wire and said core consisting of 95% beryllium oxide and 5% silica.

4. A fine powder for electrically insulating the heater element from the cathode sleeve of an indirectly heated cathode composed of fine particles of a sintered mixture of approximately 95% substantially pure beryllium oxide and approximately 5% silicon dioxide.

1,980,676

FINISHING TEXTILE FABRICS

John T. Gibbons, Wilmington, Del., assignor to Joseph Bancroft & Sons Co., Rockford, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 26, 1933, Serial No. 682,290
3 Claims. (Cl. 91—68)

1. The method of producing a permanent crease resistant finish in textile fabrics which comprises treating the fabrics, after the removal of the natural waxes and coloring materials therefrom, with a sizing containing latex and a vulcanizing agent in solution; drying and working the fabric while the latex is being set to prevent adhesion between its crossed threads at the regions of their overlap; washing the fabric with water soluble soap capable of extracting the materials of the sizing by which the latex was held in suspension; and thereupon drying the fabric a second time.

1,980,677

BUFFER MECHANISM FOR RAILWAY PASSENGER CARS

Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware

Application April 15, 1933, Serial No. 666,259
20 Claims. (Cl. 105—14)



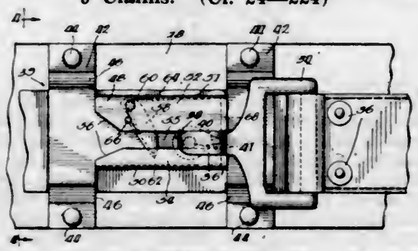
1. In a railway car having a wall element and a diaphragm face plate element, a buffer mechanism positioned between said elements comprising spaced apart bearings on one of said elements, a leaf spring having its medial portion attached to the other of said elements, each end of the spring provided with a semi-cylindrical race, each of said races provided with a ball having a rollable engagement therewith, each of said balls having a rollable engagement with one of said bearings, each of said bearings being of sufficient area to allow the ball to roll horizontally and vertically thereon.

1,980,678

BUCKLE FOR LINEMEN'S BELTS

Emmett R. Gordon, Chicago, Ill., assignor to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois

Application January 13, 1932, Serial No. 586,359
9 Claims. (Cl. 24—224)



1. In a lineman's belt, a buckle, a hook insertible in said buckle, means for restraining said hook from rotation in one direction, and means for allowing rotation of said hook in the other direction, said buckle and said hook being so constructed and arranged that said hook must be rotated through an appreciable angle in one direction and then in the opposite direction in order to release it from engagement with said buckle.

1,980,679

ANIMAL-SLAUGHTERING APPARATUS

William George Graham, Brooklyn, Pretoria, Transvaal, Union of South Africa

Application November 5, 1930, Serial No. 493,621
In the Union of South Africa April 14, 1930
7 Claims. (Cl. 17—1)

3. An apparatus for slaughtering animals comprising a pen having an entrance opening in one end and through which the animals are driven heads first, a track in the pen, a tippler alined with the entrance opening of the pen, a stall movable through the entrance opening of the pen and having an open end into which the animals are successively backed during forward movement of the stall, means between the pen and tippler for reversing the endwise position of the stall when moved from the pen, tracks on the tippler upon which the stall is received, and means for rotating the tippler to invert the stall and the animal therein.

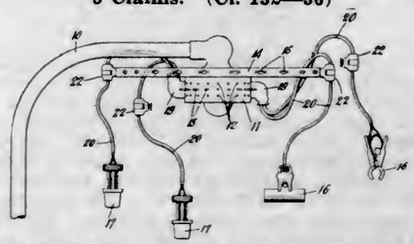


1,980,680

PERMANENT WAVING

Carl G. Gross, Mount Vernon, N. Y., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application November 23, 1932, Serial No. 643,993
5 Claims. (Cl. 132—36)



1. A device for supporting a permanent waving heater cord comprising a member provided with a pair of spaced apart axially alined apertures through which the heater cord may slide, an annular member to surround said cord and positioned between said apertures, a pin extending radially from said annular member and slidable in said first member, spring means for moving said annular member out of alinement with said apertures to frictionally grip said cord, and a supporting pin extending from said first member by which the device may be supported.

1,980,681

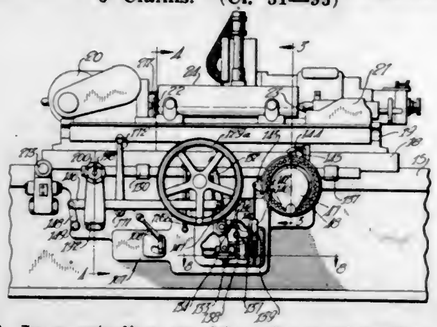
WALL BOARD

Arthur Hugo Harrison, Gold Pines, Ontario, Canada

No Drawing. Application October 28, 1933, Serial No. 695,667
6 Claims. (Cl. 154—2)

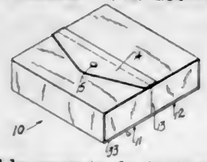
3. A wallboard comprising a core containing lime at least 60% of which is carbonated within the core, and paper liners adhering to said core.

1,980,682
GRINDING MACHINE
Robert E. W. Harrison, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application August 10, 1931, Serial No. 556,124
6 Claims. (Cl. 51—95)



1. In a grinding machine the combination of a bed, a slide carried thereby and movable relative thereto, a grinding wheel carried by the slide, means for actuating the slide including an adjusting screw, a plurality of control stations for operating the screw, each control station including a manually operable hand wheel, and a mechanical pick feed mechanism.

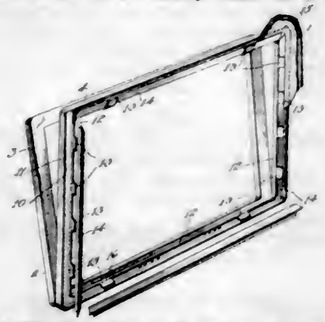
1,980,683
PORTABLE RECEPTACLE
Robert Herrmann, New York, N. Y.
Application August 10, 1934, Serial No. 739,201
9 Claims. (Cl. 150—34)



1. A portable receptacle including a plurality of elongated rigid containers each having bottom, side and end walls and being open at the top in the open position of the receptacle, said containers being spaced in lengthwise substantially parallel relation to each other, a bottom wall element extending between and permanently hingedly interconnecting the bottoms of the containers and being of sufficient length so that the containers are foldable along said hinge lines to lie with their sides against the bottom wall element and with their open ends in register with each other, said bottom wall element resting on the same plane with the container bottoms in the said open position so as to tend to maintain said bottoms in flat resting position on said plane, and means for maintaining said containers in said overlying relation.

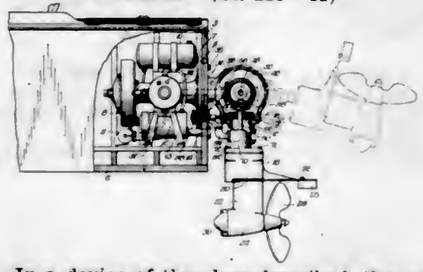
1,980,684
HAND BAG
William C. Hiering, Newark, N. J., assignor to J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application January 30, 1932, Serial No. 589,843
3 Claims. (Cl. 150—46)

1. In a hand bag, a pair of interlatching, hingedly connected corresponding frame members, each frame member being made from a suitable blank of material of rectangular shape and channel shaped in cross section, having an inner side wall and having outer and inner flanges directed outwardly at right angles thereto, said frame members being hingedly connected together so that they may close with adjacent inner side walls touching each other, the inner flange of each frame member being of considerably less height than the outer flange and being provided with a plurality of spaced lugs, provided with apertures to enable them to be easily bent to a position



parallel with the side wall, inlays positioned in the channels of the rectangular frame, said inlays having their adjacent ends mitered to provide a neat fit at the corners of the frames, bag covering material clamped tightly in the inlays, said inlays being clamped securely between said lugs and side wall.

1,980,685
MARINE MOTOR
Harry L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana
Application August 17, 1931, Serial No. 557,568
10 Claims. (Cl. 115—41)

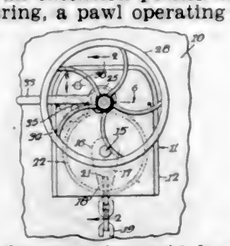


1. In a device of the class described, the combination of a water vehicle having a gas engine provided with a horizontally disposed shaft, a propeller carrying housing adapted to be submerged in the water beneath the lower end of said water vehicle and including a substantially vertically disposed driven shaft operatively connected with the horizontal shaft, means for turning said propeller carrying housing for steering, an unbalanced resistance on said housing for counteracting propeller torque, and means constructed and arranged to permit said propeller carrying housing to tilt upwardly about a transverse horizontal axis substantially above the level of the water vehicle, and means for disconnecting the steering mechanism during the tilting movement.

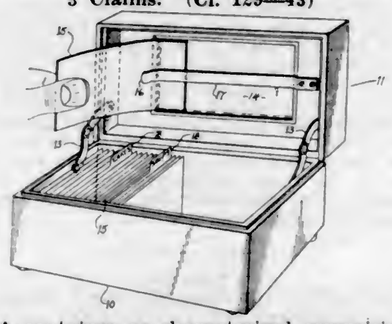
1,980,686
RAILWAY BRAKE
Charles C. Kinsman, Chicago, Ill., assignor to Universal Draft Gear Attachment Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1932, Serial No. 619,033
2 Claims. (Cl. 74—505)

1. In a brake operating mechanism, a brake drum, a gear movable with said drum, a brake operating shaft, a pinion on said shaft engaging

said gear for rotating said drum, an eccentric bearing for said shaft, a lever arm secured to said bearing for rotating the same, a lug on said bearing, a second pinion engaging said gear, a ratchet wheel movable with said second named pinion, a pawl engaging said ratchet wheel, said pawl having an extension positioned above said eccentric bearing, a pawl operating weight having a finger for engaging said lug for holding said weight in inoperative position when said bearing is in one position, a projection on said weight for engaging said pawl for releasing the same when said lever arm is in another position and means on said bearing for engaging said pawl extension for positively holding said pawl in inoperative position when said lever arm is moved to a third position.



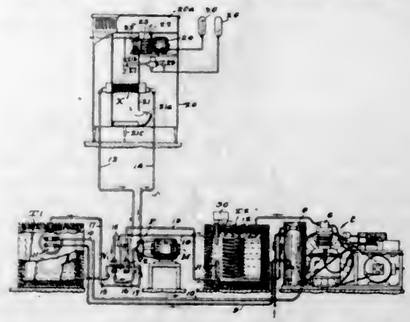
1,980,687
CARD INDEX CONTAINER FOR RECIPES
Alma M. Lassen, New York, N. Y.
Application June 16, 1933, Serial No. 676,063
3 Claims. (Cl. 129—43)



1. A container as characterized comprising a box-like body portion, a cover therefor, said cover being provided with an opening therein of approximately the dimensions and shape of the cards to be carried by said box-like portion, a transparent filler for said opening, resilient means normally exerting a pressure against said transparent filler to permit the insertion of cards such as contained in said body portion to hold said cards in service to be exposed through said filler, and means for supporting the cover on said box in service relation for convenient presentation of said cards when in use, said means embodying a flexible hinge uniting said cover and body portion along one edge thereof, and brace members adjustably connecting said body portion and said cover.

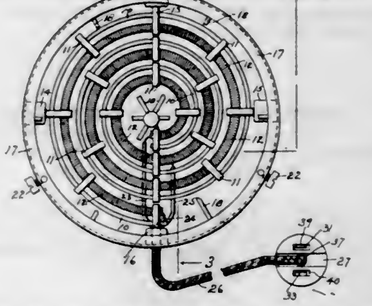
1,980,688
AIR CONDITIONING AND REFRIGERATION SYSTEM
Carroll E. Lewis, Minneapolis, Minn., assignor, by mesne assignments, to Lewis Air Conditioners, Inc., Minneapolis, Minn., a corporation of Delaware
Application May 29, 1930, Serial No. 456,936
6 Claims. (Cl. 62—115)

1. In cooling and refrigeration systems, a refrigeration unit, a cooling element, a source of cold fluid supply connected with said cooling element and chilled by said refrigeration unit, a reserve source of hot fluid supply also connected with said cooling element, a common means for setting up a circulation with either of said fluid



supplies through said cooling element and means for simultaneously connecting one of said sources of fluid supply with said element and disconnecting the other source of fluid supply with said element.

1,980,689
ELECTRIC HEATING ATTACHMENT FOR ELECTRIC FANS
Louis Ludwig, Brooklyn, N. Y.
Application April 8, 1933, Serial No. 665,091
4 Claims. (Cl. 219—39)

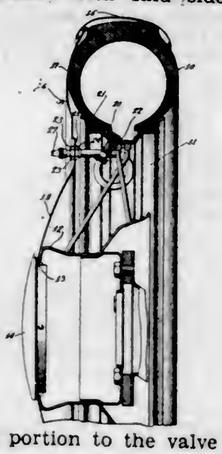


1. An electric heater of the class described, comprising a resistance element, a support for said element, means for securing the heater to the front face of an electric fan, the resistance element connected by wires to an attachment plug having prongs for tapping an electric current, and means contained within said attachment plug whereby the attachment plug of the fan to which the heater is attached may be connected to the heater attachment plug in such a manner that the circuit of the electric fan motor will be connected in series parallel with the resistance element of the heater.

1,980,690
SPARE TIRE COVER CONSTRUCTION
George Albert Lyon, Detroit, Mich., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application August 21, 1933, Serial No. 686,085
3 Claims. (Cl. 150—54)

1. In a spare wheel and cover construction, a tire including a relatively rigid valve stem, a side portion for disposition over a side of a wheel

and having a valve stem opening therein and means associated with said side portion for

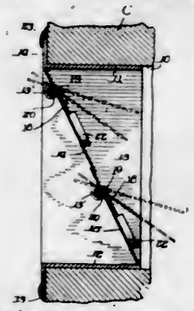


securing said portion to the valve stem of the spare tire.

1,980,691
DOUBLE CARBONATES OF SODIUM AND AMMONIUM
Robert Burns MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application March 21, 1932, Serial No. 600,379
3 Claims. (Cl. 23—61)

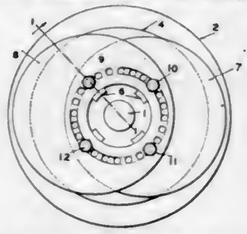
1. As a new product, a double salt containing the components Na, NH_4 and CO_3 in the ratio of 1:1:1 and water of crystallization.

1,980,692
CHIMNEY DRAFT REGULATOR
George W. Mason, Chicago, Ill.
Application January 4, 1934, Serial No. 705,191
2 Claims. (Cl. 236—45)



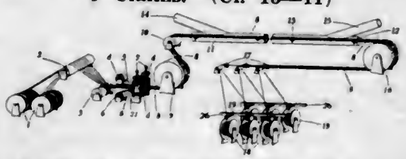
1. In an automatic chimney draft regulator, the combination of a rectangular frame adapted to fit an opening in a chimney wall, hinge lugs formed as half-bearings on the inner surfaces of the side walls of said frame intermediate the upper and lower ends of said side walls, a plurality of shutters each of a length such that its end edges slidably engage with said inner surfaces of the side walls, and hinge pintles mounted on and axially spaced from the outer surfaces of said shutters and lying inwardly of the end edges of the latter, said pintles being located above the middle and below the top edge of each shutter respectively, and each shutter being insertible and removable through the space above its cooperating pintle bearings.

1,980,693
BALANCING DEVICE
Walter J. Newman, Maplewood, and Fred W. Munson, Overland, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Missouri
Application March 22, 1933, Serial No. 662,034
3 Claims. (Cl. 74—573)



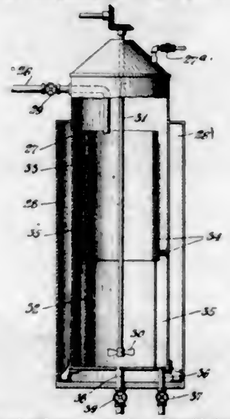
1. In a dynamo electric machine, the combination of a rotor, a pair of identical circular balancing discs of uniform thickness, each provided with an eccentric opening, means for mounting said discs on the rotor with the axes of the openings coinciding with the axis of the rotor, each of said discs also being provided with a pair of 90 degree arcuate slots positioned on diametrically opposite sides of the eccentric opening, a plurality of equally spaced holes intermediate the slots, a pair of bolts on the rotor positioned diametrically opposite the axis thereof and each extending through a slot in each disc whereby in balancing the rotor it is only necessary to loosen the bolts, rotate the discs relative to the rotor and bolts and to each other to place them in an adjusted position and then tighten the bolts to secure the discs in said adjusted position, and a second pair of bolts on the rotor positioned diametrically opposite the axis thereof and each adapted to cooperate with a hole or an end of a slot in each disc to additionally secure the discs to the rotor and to prevent their rotation relative to the rotor after the discs have been adjusted to the balanced position.

1,980,694
APPLICATION OF COVERINGS TO WIRES APPLICABLE TO THE INSULATION OF ELECTRIC CONDUCTORS AND TO OTHER PURPOSES
George Hinde Nisbett, Lancashire, England, assignor to British Insulated Cables Limited, Lancashire, England, a British company
Application July 16, 1932, Serial No. 622,840
In Great Britain July 29, 1931
9 Claims. (Cl. 18—11)



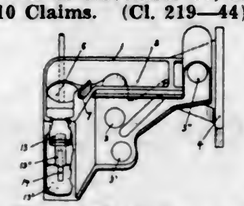
1. A method of covering wire with paper in which the wire and the moistened paper above and below it are fed between two rolls, the wire and paper passing through the space formed by registering grooves in said rolls with a portion of both the upper and the lower paper extending laterally from this space on at least one side of the grooves, the paper being joined by causing adherence between the upper and lower parts by the combined action of the water in the paper and of the heavy pressure exerted by the rolls.

1,980,695
ART OF PRESERVING FRESH FRUIT JUICES IN THEIR NATURAL STATE
Isaac H. Polk, Monrovia, Calif., assignor, by mesne assignments, to Sunset Packing Corporation, Los Angeles, Calif., a corporation of California
Application November 25, 1932, Serial No. 644,360
22 Claims. (Cl. 99—11)



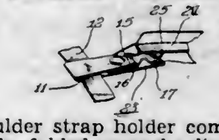
1. In the art of preserving fruit juices in natural state, the process which comprises subjecting a body of freshly extracted fruit juice containing pulp particles, together with oily and other contaminants, to the action of a partial vacuum until a substantial quantity of the pulp has been caused to pass upwardly through said body of juice and form a supernatant layer containing such contaminants, removing at least the upper part of said layer, and packaging the residual juice.

1,980,696
ELECTRICALLY HEATED MELTING POT, PARTICULARLY FOR LINOTYPES
Jean Rabaté, Paris, France, and Wytze Beije Smits, Cassel-Wilh, Germany
Application December 1, 1932, Serial No. 645,156
In France November 30, 1931
10 Claims. (Cl. 219—44)



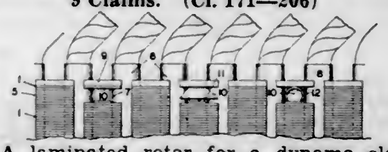
1. Electrically heated melting pot for linotypes and the like, comprising a pot proper made of aluminum and having a small capacity of about seven kilograms of metal, a casing for said melting pot being of the largest size permissible by the room available on the linotype and made of aluminum polished inside and out, braced tubes for supporting said melting pot in said casing, heat insulating material spacing said melting pot from said casing, apertures in the casing for charging the melting pot with the metal to be melted and for the passage of a piston rod for operating a piston in a well formed in the melting pot to discharge the melted metal therefrom, one side of the melting pot having removable heating elements, an automatic thermo-regulator, electrical leads and other accessories arranged thereon, and a heat insulated door in said casing in front of said side of the melting pot.

1,980,697
SHOULDER STRAP HOLDER
Herman Rabey, Chicago, Ill.
Application July 21, 1933, Serial No. 681,447
3 Claims. (Cl. 24—73)



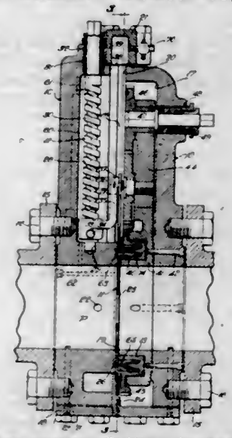
1. A shoulder strap holder comprising a strip adapted to be folded around a lingerie strap, securing means on said strip for enclosing said strap therewithin, and a spring clip at one end of the strip adapted to be readily anchored to the edge of the fabric of an outer garment adjacent the shoulder seam, said clip having bowed portions, lengths which cross, return bends and overlapping extremities, whereby the clip can be opened by manual pressure applied to said bowed portions.

1,980,698
ROTOR FOR DYNAMO-ELECTRIC MACHINES
Earl Thomas Reardon, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 25, 1932, Serial No. 619,259
9 Claims. (Cl. 171—206)



1. A laminated rotor for a dynamo electric machine provided with a plurality of circumferentially distributed recesses in the peripheral surface of the laminæ, balancing weights in a selected number of said recesses, and means comprising portions of the laminæ for retaining the weights in their recesses.

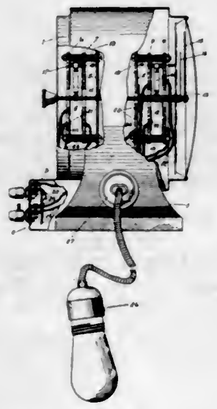
1,980,699
ORIFICE METER FITTING
Henry H. Robinson, Los Angeles, Calif.
Application February 29, 1932, Serial No. 595,845
17 Claims. (Cl. 137—75)



1. An orifice meter fitting including, a body having a fluid passage, a seat in the body around the passage, a shiftable orifice plate adapted to extend across the passage and engage the seat, means for clamping the orifice plate against the

seat and for sealing with the seat when the orifice plate is out of the passage, and fluid pressure means for sealing with the seat.

1,980,700
ELECTRICAL APPLIANCE TIME CONTROL
Morris Edward Rosen, New York, N. Y.
Application July 21, 1933, Serial No. 681,448
2 Claims. (Cl. 161—5)



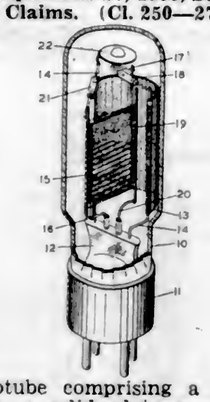
1. In a clock movement, an hour hand sleeve having a brush arm and a pair of brushes connected thereto, a pair of insulated discs secured to said clock movement having contact segments mounted thereon in alternate relation whereby said brushes moved by said clock movement make contact with a segment on one of said discs, and before leaving said segment in their path of travel make contact with a segment on the opposite disc to provide a continuous circuit of such segments as may be connected, separate switches connected to each of the segments, hour designations adjacent each of said switches, and connections forming a control circuit including said brushes, segments and switches whereby the hour at which said circuit is to be closed can be selected by said switches.

1,980,701
GOLF PRACTICE DEVICE
Mitchell G. Rosengarten, Philadelphia, Pa.
Application December 23, 1932, Serial No. 648,527
7 Claims. (Cl. 273—35)



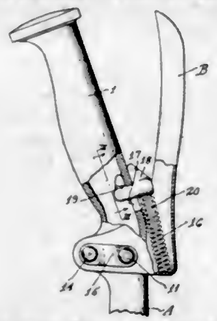
1. A golf practice device comprising a disc of sheet material, for representing a golf ball, permanently deformable locally by the stroke of a golf club against its edge, so as to thereby register the incidence of the club and the force of the stroke, and completely circular in outline, substantially, so as to correspond to a ball in balance and flight.

1,980,702
PHOTOTUBE
Bernard Salzberg, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1933, Serial No. 691,117
5 Claims. (Cl. 250—27.5)



1. A phototube comprising a light sensitive photocathode, a solid plate secondary emitter electrode positioned to receive photoelectrons emitted from said photocathode, and a grid-like collector electrode surrounding said secondary emitter electrode.

1,980,703
HANDLE GRIP FOR LEVERS
Ray A. Sandberg, Waukegan, Ill., assignor to Oakes Products Corporation, Detroit, Mich., a corporation of Michigan
Application January 20, 1934, Serial No. 707,458
14 Claims. (Cl. 74—535)

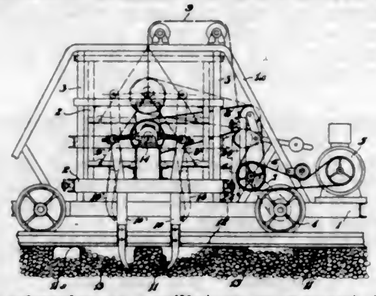


1. A handle grip for levers including in combination with a lever, a latch handle pivoted thereto for rocking movement, a spring for maintaining said handle in normal position, said lever having a slot in it, a notched clip for hooking engagement with the slot of said lever and having a part for engaging said spring to prevent accidental displacement of said spring and clip.

1,980,704
BALLAST TAMPING MACHINE
Auguste Scheuchzer, Renens, Switzerland
Application September 1, 1932, Serial No. 631,431
In Switzerland September 8, 1931
11 Claims. (Cl. 104—12)

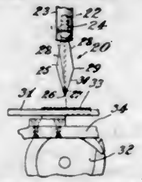
1. A ballast tamping machine comprising a truck adapted to travel on the railroad track, a vertically movable frame mounted on the truck, a motor on the truck, pairs of cooperating tamping tools carried by said movable frame, each pair of tools including two spaced levers pivoted on the movable frame intermediate their ends, a tamping jaw carried by one end of each lever, a shaft mounted on the movable frame, means for

connecting said shaft to the motor to impart rotation to the shaft, eccentrics mounted on the shaft, means for yieldably connecting the other end of each of said levers to one eccentric on the



shaft whereby an oscillatory movement is imparted to said levers upon rotation of the shaft, and means for varying the distance between the two levers of the pairs of cooperating tamping tools.

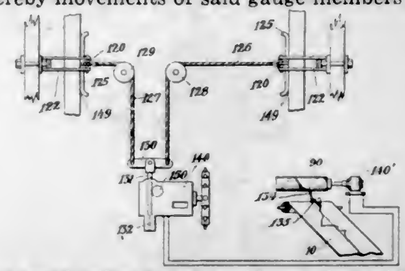
1,980,705
INTERMEDIATE COURSE HEMSTITCHING AND SEWING MACHINE ATTACHMENTS FOR PRODUCING THE SAME
Victor J. Sigoda, Brooklyn, N. Y.
Application May 6, 1932, Serial No. 609,591
6 Claims. (Cl. 112—81)



1. A sewing machine hemstitch device including, with an oscillating feed motion and a sewing hook, a blade to cooperate with the hook to lockstitch and produce a line of stitching, said blade having a sewing point, spaced edges provided on the blade and extending upwardly from the sewing point, said edges being formed on extensions complementary to the flat portion of the blade and lying in the plane of the blade so that when the blade is disposed edgewise to the feed motion and transversely with respect to the cross threads of the work, its extensions and edges will also be transversely disposed in respect thereto for spreading cross threads in opposite directions to form cross bars constricted between their ends so as to give the bars a fan-shaped form from the points of constriction, and an eye in the blade for carrying to the cooperating hook, thread to be lockstitched to the bars at the points of constriction whereby to maintain the bars in fan-shaped form, with the line of stitching under the oscillating feed motion extended between the lockstitched constrictions.

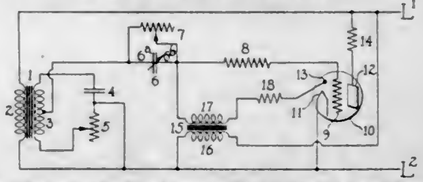
1,980,706
TRACK RECORDER SYSTEM
Elmer A. Sperry, deceased, late of Brooklyn, N. Y., by Edward G. Sperry, executor, Brooklyn, N. Y., assignor to Sperry Products, Inc., a corporation of New York
Original application February 6, 1924, Serial No. 690,930. Divided and this application December 31, 1931, Serial No. 584,044
12 Claims. (Cl. 234—1)

1. In a track gauge recorder carried by a railroad car, gauge members adapted to engage the respective rails, a recorder, and a connection between said gauge members and said recorder whereby movements of said gauge members rela-



tive to each other actuate said recorder, said connection having means whereby said recorder is unaffected by equal movements of said gauge members in the same direction.

1,980,707
CIRCUIT CONTROLLER
Carroll Stansbury, Wauwatosa, and Glendon C. Brown, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 7, 1931, Serial No. 573,588
12 Claims. (Cl. 175—363)



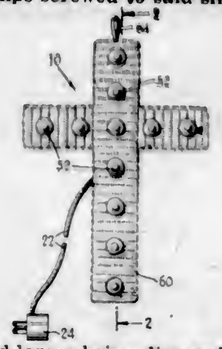
1. The method of controlling the flow of current through a gaseous electronic tube subjected to an alternating potential and having a controlling electrode which consists in periodically storing energy in a circuit, effecting discharge of said energy to produce periodically a transient voltage, superposing an alternating potential upon said transient voltage and subjecting said controlling electrode to the resultant potential.

12. In combination, an alternating current supply, a circuit to be supplied thereby, a gaseous electron tube for controlling the current of said circuit and having a cathode, an auxiliary anode and a control electrode, an adjustable condenser and a parallel adjustable substantially non-inductive impedance, a transformer having a primary winding connected across said supply and a secondary winding provided with an intermediate tap, said condenser being connected between said control electrode and said intermediate tap, a second condenser and a second impedance for connecting the respective end terminals of said secondary winding to said cathode, a second transformer having a primary winding connected across said supply and having a secondary winding connected in circuit with said auxiliary anode and said control electrode.

1,980,708
DECORATIVE ILLUMINATED DEVICE
Louis Szel, Toronto, Ontario, Canada, assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application August 18, 1933, Serial No. 685,679
12 Claims. (Cl. 240—10)

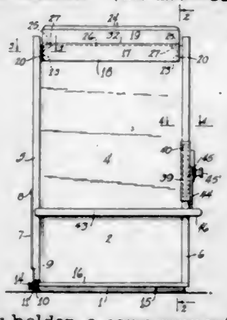
1. In a decorative device, a frame, screw shells mounted on said frame, a box made of foldable sections enclosing said frame and shells and hav-

ing openings registering with the mouths of said shells, and lamps screwed to said shells, the bulb



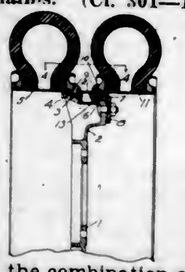
portions of said lamps being disposed on the outside of said box.

1,980,709
COPYHOLDER
Bonnie E. Van Alstyne, San Francisco, Calif.
Application July 30, 1934, Serial No. 737,629
14 Claims. (Cl. 120—33)



1. In a copy holder, a copy supporting member, a top portion removably secured to the member and having a slot for receiving a note book cover, said portion being positioned on the member for disposing the slot either in back of the member or in front of the member for causing the note book cover to be disposed either in back or in front of the member.

1,980,710
WHEEL
Jewell W. Vanderveer, Syracuse, N. Y., assignor to Erie Malleable Iron Company, Erie, Pa., a corporation of Pennsylvania
Application February 8, 1930, Serial No. 426,825
4 Claims. (Cl. 301—13)



1. In a wheel, the combination of a wheel center having an axially inner beveled seat on its outer periphery; an inboard rim having a beveled surface engaging said seat; an outboard rim; clamps engaging the outboard rim and forcing it axially inwardly; a spacing ring between the rims, said spacing ring being of channel form; alining shoulders on the wheel center; and cam surfaces on the ring formed by deflecting a side wall of the ring, said surfaces engaging the alining shoulders and positively limiting the axial outward movement of the inboard rim.

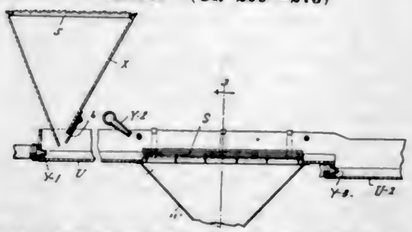
1,980,711
PURIFICATION OF ALIPHATIC MONOCARBOXYLIC ACID ESTERS
William J. Bannister and Ignace J. Krchma, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application September 15, 1930, Serial No. 482,153
4 Claims. (Cl. 260—106)

1. A process for increasing the concentration of a substantially water-insoluble aliphatic monocarboxylic acid ester in a solution comprising essentially said ester and a substantial proportion of an aliphatic monohydric alcohol which is more soluble in water than said ester, which comprises extracting said mixture, a plurality of times, with water, the total volume of water per volume of initial mixture being approximately N volumes in the following formula:

$$N=\frac{10(C_2-C_1)}{100-C_1}$$

where C_1 equals the initial percentage concentration of ester by weight and C_2 equals the weight percentage concentration of ester desired.

1,980,712
HYDRAULIC COAL CLEANER AND GRADER
Laurence E. Barrett and Charles Johnson, Montreal, Quebec, Canada
Application September 16, 1931, Serial No. 563,192
Renewed April 11, 1934
1 Claim. (Cl. 209—273)

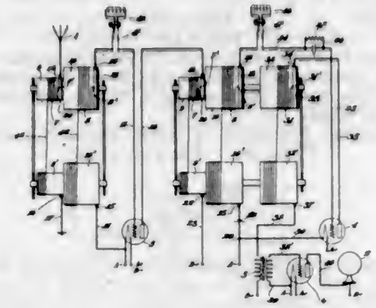


In an apparatus of the class described, a plurality of communicating trough sections, each of said trough sections being provided with longitudinally spaced imperforate bottom portions, means for depositing coal in one of the sections, nozzles for directing water into the trough sections to maintain the coal in suspension and turbulence, and grids of different size, one in the bottom of each trough section and located between the spaced imperforate bottom portions thereof, said grids comprising arcuate-shaped supports having a plurality of spaced, longitudinally extending blades thereon, the thickness of the blades tapering gradually downward.

1,980,713
RADIO RECEIVING SYSTEM
Melvin B. Benson, New York, N. Y., assignor, by mesne assignments, to Melvin B. Benson Corporation and Melvin B. Benson
Application July 30, 1930, Serial No. 471,686
4 Claims. (Cl. 250—20)

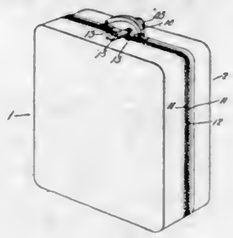
1. In a radio transmitting and amplifying system the combination of detecting and amplifying

devices and circuits with a variable reactance coil in one of the circuits comprising both variable capacity and inductance and including a form and flexible wire windable and unwindable about said form in a variable number of turns and



means for winding and unwinding said wire, the means for winding and unwinding the wire comprising a pair of rotatable drums one being a short circuiting drum and the other having a capacity plate in electrical relation with the reactance coil.

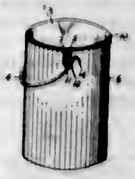
1,980,714
TRAVELING BAG
Jessica M. Brady, Yorktown, N. Y., assignor to Bradka Holding Corporation, Rye, N. Y., a corporation of New York
Application December 5, 1928, Serial No. 323,977
Renewed April 12, 1934
8 Claims. (Cl. 190—41)



1. A traveling bag of box-like form comprising a pair of front and rear rigid sections hinged together along their lower edges; vertical and horizontal partitions dividing the interior of one of said sections and defining a pair of shoe-receiving compartments disposed one above the other and separated by a horizontal partition; hinge means connecting said horizontal partition to the section and adapting it to fold to an inoperative position within the section to place the two compartments in communication and thereby form a larger compartment; a front wall for the upper compartment connected to the horizontal partition and adapted to shift with it to inoperative position and uncover the upper compartment space; and releasable means to hold said partition and front wall in operative position.

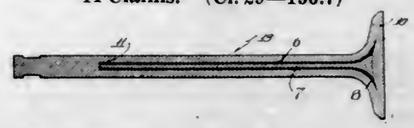
1,980,715
RECEPTACLE
Edward Brosler, Pittsburgh, Pa.
Application December 31, 1929, Serial No. 417,754
11 Claims. (Cl. 220—17)

8. An inner container and an outer container, said outer container extending at least to the approximate plane of the upper edge of said inner container, a carrying bail swingably mounted on and secured to said inner container, said bail



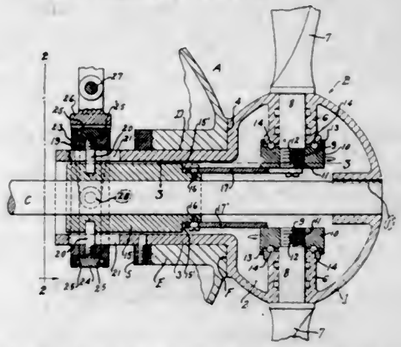
being of such dimensions as to extend beyond the confines of said outer container, said outer container having a portion removed therefrom to receive said bail.

1,980,716
METHOD OF MAKING INLAID METAL VALVES
Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application May 20, 1931, Serial No. 538,786
11 Claims. (Cl. 29—156.7)



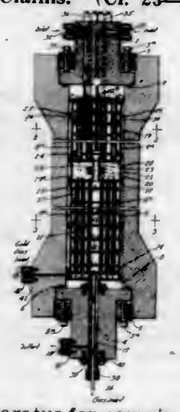
1. The method of making a cooled valve, which comprises extruding a metallic blank containing a tube formed of a metal having a relatively high rate of heat conductivity and an insert of another metal within said tube to form a head and stem on the blank with the tube and insert disposed in the stem and spread out in the head.

1,980,717
PROPELLER
Charles G. Eckhold, Overland, Mo.
Application May 14, 1930, Serial No. 452,192
2 Claims. (Cl. 170—163)



1. In combination with the housing of an internal combustion engine, a propeller comprising a hollow support, said support having a tubular portion which extends into said housing, blades adjustably supported by said support, the interior of said hollow support and the interior of the engine housing being in communication with each other through said tubular portion of said support so that lubricant may pass from the interior of the engine housing into the hollow support to lubricate mechanism associated with said adjustable blades.

1,980,718
CATALYTIC APPARATUS
William J. Edmonds, Baytown, Tex., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Original application October 6, 1928, Serial No. 310,843. Divided and this application December 18, 1929, Serial No. 415,085
4 Claims. (Cl. 23—289)



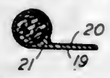
1. In an apparatus for carrying out exothermic chemical reactions, the combination within a converter shell of adjacent intercommunicating heat exchanger and reaction chambers, an inlet opening into the heat exchanger for introduction of cold reactants therein, a communicating passage for passing said heated reactants from the heat exchanger to the reaction chambers, means for passing heated reactants in thermal contact with all the catalysts contained in the reaction chambers, a plurality of inlets for introduction of cold reactants into the stream of said hot reactants and into thermal but not direct contact with the catalyst at a plurality of points throughout the catalyst mass in addition to those points necessary to accommodate for the normal heat gradient of the catalyst, means for severally controlling the rates of flow of said cold reactants through said inlets, means for passing the mixture of said reactants through all of the catalyst, and means for passing the reaction products through the heat interchanger in thermal contact with the reactants.

1,980,719
HEATING ELEMENT FOR ELECTRIC COOKING AND HEATING APPARATUS
Leopold Egger, Bregenz, Austria, assignor to Volta G. m. b. H., Lindau, Germany
Application June 1, 1931, Serial No. 541,418
In Germany February 23, 1931
1 Claim. (Cl. 219—19)



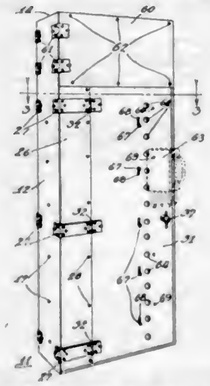
An electric heating element for electric cooking and heating apparatus, comprising in combination a rod-shaped metal sleeve open at one end and closed at the other end, three insulating rods made of ceramic material inserted in a plane side by side in said metal sleeve and filling the same, the outer rods each having a longitudinal groove on its side adjacent said middle rod, said middle rod being shorter than the two outer rods and having two longitudinal grooves one on each side forming with the grooves in said outer rods passages of circular cross-section, a coiled resistance wire in said passages and bent around the inner end of said middle rod and adapted to be removed by pulling out said middle rod.

1,980,720
PACKING
Charles F. Field and Zeno E. Flick, Kansas City, Mo., assignors to Charles F. Field Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application February 21, 1930, Serial No. 430,238
1 Claim. (Cl. 154—45.5)



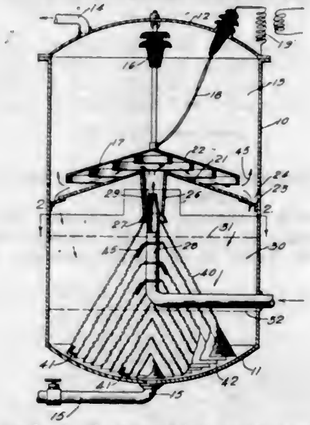
A packing including an imperforate tube having an integral longitudinally extending wing, and a lubricant impregnated wick in the tube composed of shreds of fibrous material.

1,980,721
PANELBOARD AND TESTING MEANS THEREFOR
Paul S. Jenkins, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application June 4, 1928, Serial No. 282,557
2 Claims. (Cl. 175—183)



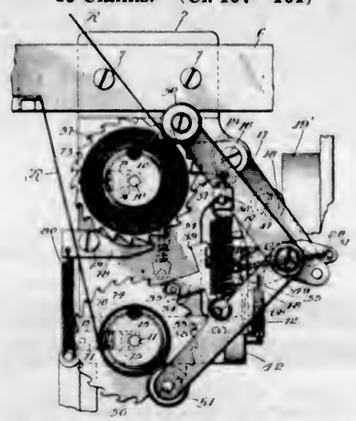
1. In combination, a panelboard casing, a plurality of circuit connecting devices mounted within said casing in groups respectively connected in a plurality of branch circuits, a test jack included in each of said circuit connecting devices, a door in said casing having holes therein respectively in alignment with said test jacks, a plurality of closure plates slidably mounted on said door and each adapted normally to close the holes in alignment with the test jacks of one of said branch circuits, a test plug having a number of contacting portions corresponding to the number of test jacks in each of said branch circuits, and means operable from outside the casing for moving said plates individually out of closing relation to said holes in the casing to permit the insertion of the contacting portions of the test plug through said holes into contact with the corresponding test jacks of any of said branch circuits, said test plug comprising a portion adapted to be automatically engaged by the closure plate for any of the groups of holes through which the contacting portions of said test plug are inserted to lock the test plug in operative position during testing operations.

1,980,722
METHOD OF AND APPARATUS FOR AGGLOMERATING SUSPENDED PARTICLES
Murray E. Garrison, Long Beach, Calif., and William F. Van Loenen, Casper, Wyo., assignors to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application March 18, 1930, Serial No. 436,733
16 Claims. (Cl. 204—24)



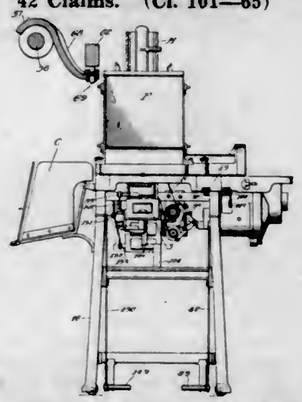
1. A method of separating agglomerated particles of water from an oil, which includes the steps of: forming a film of said oil; bringing said particles of water and said oil into contact with said film, whereby said oil unites with said film and said water passes through said film; moving the oil in said firm upward and away from said film in the form of an oil stream; collecting the oil in said oil stream; and collecting said water after it is discharged through said film.

1,980,723
INK RIBBON FEEDING AND REVERSING MECHANISM
Emmett C. Hartley, Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application December 15, 1930, Serial No. 502,399
15 Claims. (Cl. 197—161)



1. An ink ribbon feeding and reversing mechanism comprising a pair of ribbon spools rotatably mounted on a frame, an operating member for imparting a step-by-step movement to said spools, a shifting member including independent shifting portions, said operating member having independent portions thereon respectively adapted for cooperation with said shifting portions and normally disengaged therefrom in the movement of said operating member, and means for moving said shifting member into position whereat one of the shifting portions thereon is disposed to engage the cooperating of the independent portions on the operating member to disconnect said operating member from one of said spools and connect it with the other of said spools to effect reversal in the direction of movement of said spools.

1,980,724
PRINTING MACHINE
Emmett C. Hartley, Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application December 22, 1930, Serial No. 503,914
42 Claims. (Cl. 101—65)

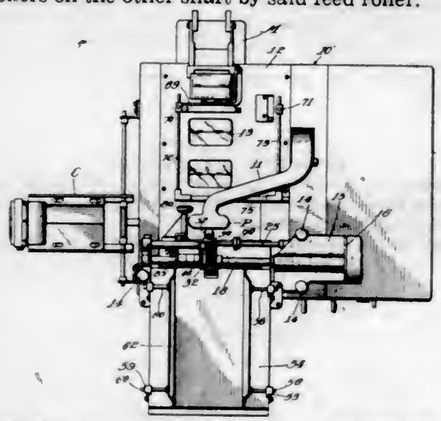


1. In a printing machine, operating means, means sequentially moving printing devices through the machine, latch means for connecting the moving means to the operating means, means collecting said printing devices after passage thereof through printing position in the machine, and means for preventing operation of the moving means when a predetermined number of printing devices have been collected in said collecting means, said means including a settable member for unlatching said latch means, and detecting means for controlling the positioning of the settable member.

1,980,725
PRINTING MACHINE
Emmett C. Hartley, Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application December 22, 1930, Serial No. 503,915
23 Claims. (Cl. 101—287)

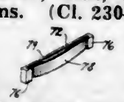
19. In combination with a printing machine including an intermittently operated printing mechanism, means for feeding sheets and the like to the printing mechanism and including a constantly operating drive shaft, a sheet feeding roller mounted on said drive shaft, a pawl on said feed roller, a ratchet on said shaft, means urging said pawl toward said ratchet, means holding said pawl disengaged from said ratchet and including an engageable portion, means on the intermittently operable printing mechanism adapted for contact with said engageable portion to retract said holding means whereby said pawl may move into engagement with said ratchet to connect said feed roller to said drive shaft, said means including another shaft, rollers mounted

on said shaft, and means connecting the other shaft to the drive shaft for operation therewith to rotate the rollers on said other shaft at a higher rate of speed than the speed of rotation of the rollers on the drive shaft to effect rapid withdrawal of a sheet or the like moved to the rollers on the other shaft by said feed roller.



22. In combination with a printing machine including an intermittently operated printing mechanism, a device for feeding sheets to the printing mechanism and including a drive shaft and a feed roller mounted on the shaft, means controlled by the printing mechanism for intermittently connecting the roller to the shaft, said device including another shaft, means for withdrawing sheets after operation thereon by the printing mechanism and including an operable member, means for operating the operable member from the other shaft, a cam on said drive shaft, a collar fast on said drive shaft intermediate said cam and said feed roller, means independent of said collar and connecting said cam to said feed roller, and means operated by said cam for controlling the operation of said withdrawing means.

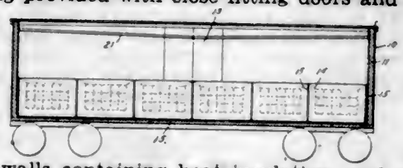
1,980,726
COMPRESSOR
James F. Higbee, Detroit, Mich., assignor of one-half to Stephen A. Griggs, Detroit, Mich.
Application March 27, 1931, Serial No. 525,816
2 Claims. (Cl. 230—157)



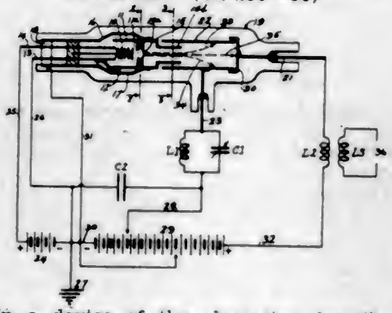
1. A spring seal of the class described comprising a longitudinal member of rigid construction, said member having a plane face on one side thereof throughout its length and folded over to provide U-shaped extremities for the member, and a spring member of somewhat greater length than the plane faced side of the rigid member having its ends anchored in said U-shaped extremities.

1,980,727
CHEMICAL CONTAINER
Eugene A. Hults, Saltville, Va., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application May 12, 1931, Serial No. 536,740
9 Claims. (Cl. 62—91.5)

1. In a vehicle, the combination of a body having a floor and side and end walls, a plurality of independent closed containers mounted within said body on said floor and forming a continuous series from end to end of the body, said containers being provided with close fitting doors and having walls containing heat insulation, and cushioning and insulating material filling the spaces between adjacent containers and between said containers and the walls and floor of the vehicle.



1,980,728
THERMIONIC DEVICE AND CIRCUIT THEREFOR
Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y., a corporation of New York
Application October 9, 1931, Serial No. 567,805
15 Claims. (Cl. 250—36)



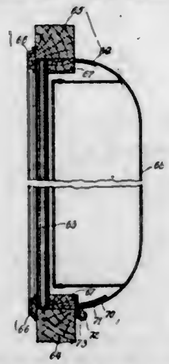
1. In a device of the character described, a cathode, an anode, a member adapted to shield said cathode and direct an electron stream therefrom in a predetermined path, means surrounding a portion of said path and connected to a source of current whereby the movement of electrons therein toward said anode is accelerated, and control means adjacent said path adapted to attract or repel electrons therefrom, said control means connected to a steady source of positive potential with respect to said cathode, the magnitude of said positive potential being adjusted to a value from which positive increments of said potential cause said electron stream to be repelled from said control element and negative increments cause said electron stream to be attracted to said control element.

1,980,729
ELECTRIC FURNACE
Albert Loppacker, Bloomfield, N. J.
Application July 26, 1929, Serial No. 381,155
9 Claims. (Cl. 219—36)



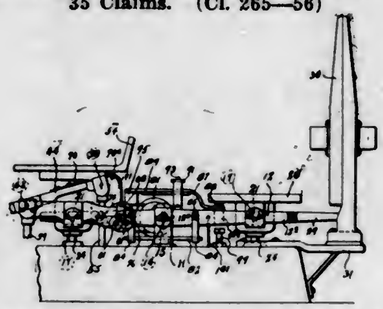
1. A furnace comprising a tube of insulating material, a heating coil wound thereon, an outer shell dimensioned to provide a gas chamber about the tube, and end sealing rings between the tube and shell, the rings also supporting the tube in concentric relation to the shell, and gas supply and discharge tubes passing through the respective sealing rings.

1,980,730
DOOR STRUCTURE
Frank J. Matchette, New York, N. Y., assignor to The Servidor Company, New York, N. Y., a corporation of New York
Application October 2, 1930, Serial No. 485,873
4 Claims. (Cl. 20—16)



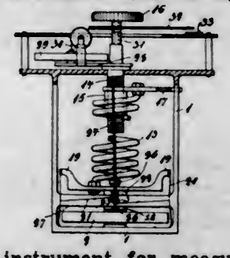
1. In combination, a door comprising stiles and rails defining a frame, a panel supported by the stiles and rails and closing the space therebetween, said panel being remote from one face of the frame and defining therewith a recess of appreciable depth, a closure member disposed at the face of the frame remote from the panel and being of sufficiently greater extent than the panel to contact at its edges the frame when the closure member is in closed position, said closure member being of considerable depth and defining with said recess and when in closed position a compartment of greater depth than the closure member, and means hingedly securing said closure member to said door, said means being attached to said closure member at a point inwardly of the marginal edges thereof.

1,980,731
WEIGHING SCALE
Arthur E. Michener, Bellevue, Ohio
Application August 27, 1931, Serial No. 559,621
35 Claims. (Cl. 265—56)



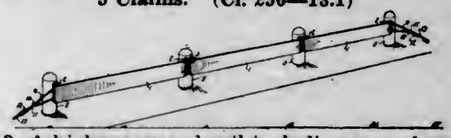
1. An automatic tare compensating scale comprising a main scale lever, a tare lever carried by one end thereof, yielding means for maintaining said tare lever in one position and adapted to permit said tare lever to move in accordance with the weight of the tare placed on said scale, a track carried by said scale lever, a compensating member movably mounted on said track, and operative connections between said tare lever and said compensating member for limiting the compensating movement of the latter in accordance with the movement of said tare lever wnen the latter is moved from its normal position.

1,980,732
COMPENSATING DEVICE IN MEASURING APPARATUS
Josua Gabriel Paulin, Eskilstuna, Sweden
Application May 28, 1929, Serial No. 366,558
In Sweden June 14, 1928
4 Claims. (Cl. 73—4)



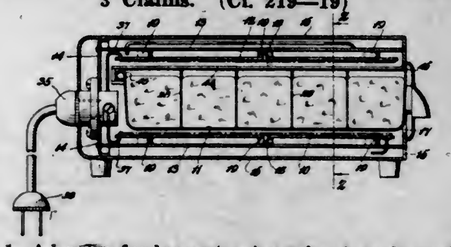
4. In an instrument for measuring variable forces, in combination, a member movable under the influence of the forces to be measured with a certain elastic hysteresis, a second member likewise movable under the influence of said forces with a greater hysteresis relatively to the movements thereof, an indicating device comprising two parts, means for adjusting one of said parts in accordance with the movements of the first member, and separate means for adjusting the second part in accordance with the movements of the second member, independently of the first member and in a counter-acting sense with relation to the indication represented by the first mentioned adjustment so as to compensate for the action of the elastic hysteresis of the first member.

1,980,733
HIGHWAY GUARD RAIL
Wallace W. Russell, Kansas City, Mo.
Application September 8, 1931, Serial No. 561,521
5 Claims. (Cl. 256—13.1)



2. A highway guard rail including spaced supports, cooperative strips of metal having rolled end portions, adjustable means for connecting the rolled portions of adjacent strips to individually tension said strips, and means for securing said strips to the supports.

1,980,734
LOOSENING ICE CUBES
Helena S. Sadtler, Erdenheim, Pa., assignor of one-half to Hobart N. Durham, Jackson Heights, N. Y.
Application August 22, 1930, Serial No. 476,998
3 Claims. (Cl. 219—19)



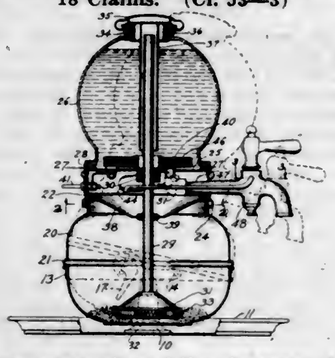
1. A heater for loosening ice cubes in a domestic refrigerator tray including in combination a cas-

ing adapted to receive and closely surround the tray from which the ice cubes are to be loosened and into which one end of the ice tray is received and resistance heating elements supported by and within said casing, one of said elements extending over the bottom of the tray and positioned below said tray and the other of said elements being positioned above said tray, the heater for the top of the tray having its parts spaced from each other similarly to the spacing of the partitions in the tray to register with said partitions.

1,980,735
APPARATUS FOR MAKING COFFEE INFUSIONS AND THE LIKE

John E. Smith, Plainfield, N. J.

Application September 28, 1929, Serial No. 395,803
18 Claims. (Cl. 53—3)

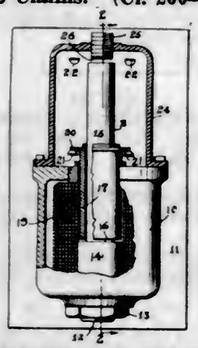


1. In an apparatus of the character described, a pair of rigidly connected vessels, a stand on which the vessels are mounted to oscillate, a siphon providing communication between said vessels, means for supplying heat to one of the vessels, and means controlled by the position of the vessels for turning said heat on and off.

1,980,736
ELECTRORESPONSIVE DEVICE AND APPARATUS

Lev A. Trofimov, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 19, 1928, Serial No. 271,164
26 Claims. (Cl. 200—97)

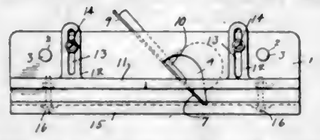


4. The combination of an electromagnet having a stationary primary winding and a movable secondary winding, a pair of normally-closed contacts operated by the said movable secondary winding, means controlled by the electromagnet for quickly opening the said contacts, and means controlled by the electromagnet for delaying the closure of the said contacts.

1,980,737
RABBET PLANE

Rudolf Wolf, St. Thomas, Virgin Islands

Application November 7, 1933, Serial No. 697,021
1 Claim. (Cl. 145—20)

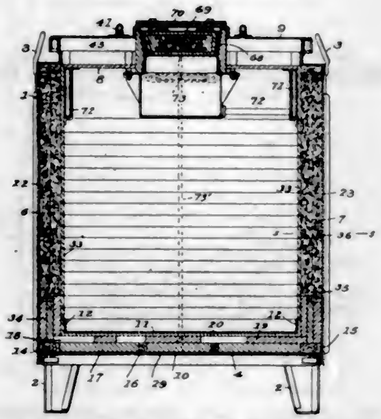


A rabbet plane comprising a body having a hole at each end extending entirely through the body from opposite sides, a removable handle projecting through the holes and extending beyond the sides thereof, an opening extending through the body from one side to the other and an opening extending upwardly from said second named opening and through the top of the said body, a cutting blade secured in said last named opening, an adjustable depth gauge on one side of the body and having ears projecting upwardly therefrom and each provided with an elongated slot, a screw projecting through each of said elongated slots to hold the said depth gauge in the adjusted position on the body, an adjustable width gauge on the bottom of said body and provided with elongated slots therein, and a screw extending through each of said elongated slots to hold the said width gauge in the adjusted position on the bottom of the body.

1,980,738
REFRIGERATOR CONTAINER FOR CONTAINER CARS

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware

Original application September 15, 1931, Serial No. 562,982. Divided and this application July 7, 1932, Serial No. 621,266
7 Claims. (Cl. 62—91.5)



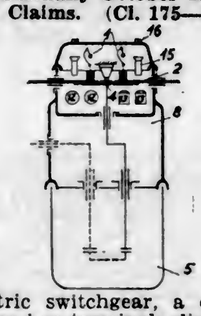
1. A container for container cars having a commodity receiving space, a roof, a ceiling spaced from the roof, a refrigerant container chamber in the upper portion of the body pendent from said ceiling and spaced from the walls of the body, said chamber having an inlet thereto extending downward through the ceiling and roof and said space having an inlet thereto in one of the walls of the body, closures for said inlets, a fluid circulating duct in said upper portion of the body extending around the walls thereof and about the refrigerant containing chamber in

spaced relation thereto, and outlet and return connections between said chamber and said portion of the body.

1,980,739
ELECTRIC SWITCH GEAR

Fritz Andorff, Viernheim, and Willy Speidel, Ludwigshafen-on-the-Rhine, Germany, assignors to Aktiengesellschaft Brown Boveri et Cie, Baden, Switzerland, a joint-stock company of Switzerland

Application October 15, 1931, Serial No. 568,934
In Germany October 15, 1930
6 Claims. (Cl. 175—298)

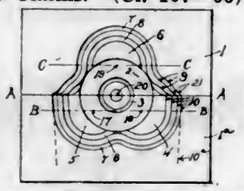


3. In electric switchgear, a casing provided with fixed bus-bar terminals disposed in a substantially straight line, and means for connecting the adjacent ends of said terminals comprising switch contact means supported for movement into and out of a position between and in alignment with said terminals to make contacting engagement with the respective adjacent ends thereof whereby the current flows in a straight path through said terminals and said switch contact means bridging the same.

1,980,740
MOLD FOR THE MANUFACTURE OF THREE-POCKET ICE CREAM CONES

James Balton, Baltimore, Md., assignor, by direct and mesne assignments, of one-fourth to Joseph Shapiro, Baltimore, Md., one-fourth to Issac Shapiro, Chicago, Ill., and one-fourth to Nathan Shapiro and one-fourth to Samuel Shapiro, both of Chelsea, Mass.

Application October 13, 1933, Serial No. 693,520
5 Claims. (Cl. 107—66)



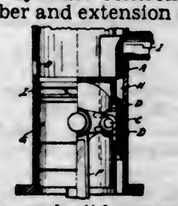
1. A two-part split female mold containing a molding cavity comprising a stem and three bowl or head portions, the axis of the stem cavity lying in the parting plane of the mold, one complete bowl or head portion cavity and parts of the two other bowl or head portion cavities lying in one mold half and the remaining parts of the said other two bowl or head portion cavities lying in the other half of the mold.

1,980,741
PISTON AND CYLINDER ASSEMBLY

Aldo Bevacqua, Milan, Italy

Application February 11, 1931, Serial No. 515,122
In Italy March 7, 1930
5 Claims. (Cl. 123—47)

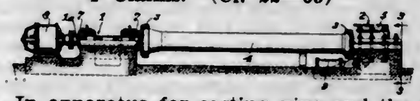
1. In the combination of a fluid motor, a cylinder, a piston reciprocable in said cylinder, an actuating member for said piston, inlet and outlet ports in said cylinder, a segmental slide reciprocable in the direction of said piston for controlling only one of said ports, an extension fixed to said actuating member for operating said slide, a port in said slide adapted to register with the port in the cylinder controlled thereby, said actuating member and extension adapted to operate said piston and slide upon the admission stroke of the engine to uncover said port in said slide at the time of registry thereof with the port in the cylinder controlled thereby, and upon the exhaust stroke to cover said port in said cylinder by the piston and slide assembly, the other one of said ports in said cylinder being controlled only by said piston.



1,980,742
PIPE CASTING APPARATUS

Bernhard Bigler, Phillipsburg, N. J.; Esther Henningsen Bigler executrix of said Bernhard Bigler, deceased

Application March 27, 1933, Serial No. 663,013
4 Claims. (Cl. 22—65)

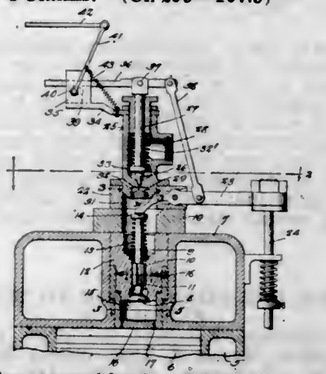


1. In apparatus for casting pipe and the like a flask, means at each end of said flask for supporting the same, said means having a compensating engagement with the ends of said flask to provide for axial misalignment of said supporting means, and means for imparting rotary motion to one of said supporting means, the other supporting means being capable of rotary motion with the flask, substantially as described.

1,980,743
OIL FUEL FEED DEVICE

Joseph Edward Blanding, New London, Conn., assignor of one-half to Patrick B. McNamara, Groton, Conn.

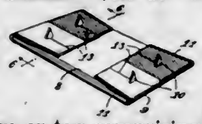
Application January 4, 1932, Serial No. 584,738
4 Claims. (Cl. 299—107.5)



1. A valve assembly for internal combustion engines, comprising a body portion adapted to be positioned in the intake opening of the engines,

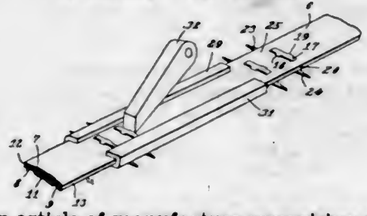
said valve assembly comprising a body portion including a lower section and a removable section, a valve mounted in each section and adapted to control the passage of fuel through the body portion, and an adjustable plug between the valves, regulating the quantity of fuel passing from the upper section to the lower section.

1,980,744
EMBLEM
Fred L. Borchert and William Borchert, Rockford, Ill.
Application May 27, 1933, Serial No. 673,235
2 Claims. (Cl. 40—1.5)



1. An emblem or tag comprising a sheet metal body bent to substantially V-shape, each of the arms of the V being provided with one or more punched in triangular shaped spurs so as to leave the openings formed thereby between the spurs and the crotch of the V, each of the arms of the V being further provided with punched slits extending from the triangular openings toward the crotch of the V, the edges of said slits forming envelope clinching jaws, and a fabric envelope covering the outer surfaces of said V-shaped body and having its ends folded inwardly and pierced by said spurs, the extremities of the envelope having portions received between the clinching jaws, and the edges of said slits forming the jaws being forced back into the slits, whereby to close the jaws and grip the envelope so as to retain it in position on the body independently of the spurs.

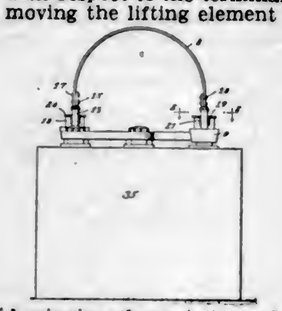
1,980,745
TAG STRUCTURE
William Borchert and Fred L. Borchert, Rockford, Ill., assignors to The Tagit Company, Rockford, Ill., a corporation of Illinois
Application June 20, 1931, Serial No. 545,823
14 Claims. (Cl. 40—25)



8. An article of manufacture comprising a continuous strip of fabric adapted to be severed at intervals to form a plurality of laundry tags, metal staples in said strip spaced to rest near opposite ends of said tags, the prongs of each of said staples passing through said strip at points spaced from the edges of said strip and lying in spaced substantially parallel relation to the adjacent side of said strip whereby guiding and supporting means may be interposed therebetween.

1,980,746
DEVICE FOR CONNECTION TO TERMINAL ELEMENTS
William Borchert, Rockford, Ill.
Application March 7, 1932, Serial No. 597,179
7 Claims. (Cl. 294—114)

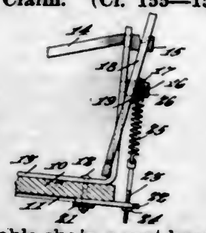
1. In a device for connection to a terminal element or post, a lifter element shaped to receive a terminal post and having downwardly converging faces opposite said terminal posts, gripping elements between said faces and said terminal post, a cage holding the gripping elements supported on said lifter for longitudinal movement with respect to the terminal post, and means for moving the lifting element independently of said gripping elements to wedge the latter between said terminal post and the converging faces of the lifting element and establish a lifting connection, and means on the cage manually operable for moving both the lifting element and the gripping elements, when the latter have been released, to remove said lifter from said terminal post.



1,980,747
CLEANING COTTON SWEEPINGS
Joseph W. Bowersox, Berwyn, Ill., assignor, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 24, 1930, Serial No. 423,283
4 Claims. (Cl. 19—66)

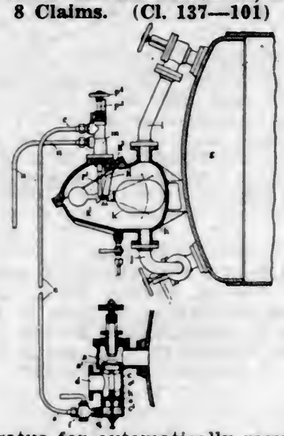
1. The method of cleaning cotton waste rendered greasy and moist by contact with mineral oil, which consists in agitating the greasy moist waste to open the fibers and remove débris therefrom, mixing the greasy opened cotton fibers with a chemically inert moisture absorbent material, agitating the fibers and absorbent material to cause the oil and moisture in the fibers to be absorbed by the said absorbent material, and removing the oil and moisture saturated material from the agitated fibers.

1,980,748
CHAIR
Charles Di Bella, Caldwell, N. J.
Application October 21, 1933, Serial No. 694,640½
1 Claim. (Cl. 155—156)



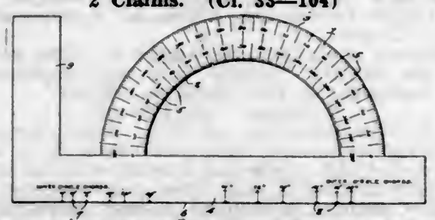
In an adjustable chair, a seat having arms, pairs of horizontally alined brackets extending rearwardly of the arms, a rod rotatably supported by either pair of brackets, a back for the chair, means for connecting the back to the rod, members attached to the said rod and projecting therefrom, springs each one of which has its upper end connected to one of the aforesaid members, an adjustable element for each of the springs connected to the lower ends of said springs, and a pair of stationary members each fixed to the seat of the chair and attached to each of the adjustable elements.

1,980,749
AUTOMATIC FEED REGULATION OF LIQUID INTO WORKING CONTAINERS
Sydney Rupert Dight, Haslar, Gosport, England, assignor, by mesne assignments, to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland, a corporation of the United Kingdom
Application February 3, 1932, Serial No. 590,668
In Great Britain March 31, 1931
8 Claims. (Cl. 137—101)



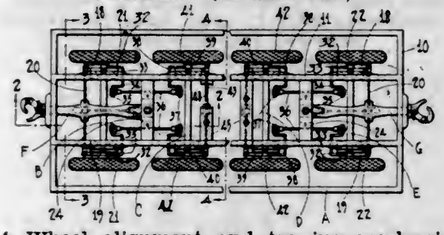
1. Apparatus for automatically regulating the feed of liquid into containers against pressure, comprising a feed inlet valve, a seat upon which the said valve rests to interrupt the feed, a piston in fixed relation to said feed inlet valve with the seat in interposed position, a chamber in which the said piston moves, said chamber being closed by said piston, a float-operated valve responsive to the variations of the level of liquid in the container and closed when the float falls, a passage for leakage from said chamber controlled by said float-operated valve, and a throttle valve determining the entry of liquid from the feed supply into the chamber and serving gradually to arrest the said entry of liquid on movement of the piston to open the feed inlet valve.

1,980,750
EDUCATIONAL DEVICE
Edna Leola Dixon, Baltimore, Md.
Application September 14, 1932, Serial No. 633,189
2 Claims. (Cl. 33—104)



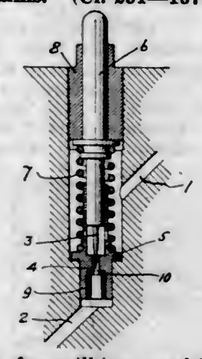
1. A device for making possible the drawing of regular polygons by the blind, comprising a member having a semi-circular edge, and a bar permanently connected to said member and having a fiducial edge, said member being provided on its semi-circular edge with notches defining the arcs subtended by the sides of regular polygons inscribed on a circle of which the semi-circular edge forms part, the bar being provided on its fiducial edge with notches which are spaced apart at such distances as to define the length of the sides of the aforesaid polygons, all of the notches mentioned being of sufficient depth and width as to be identified readily by a blind person by means of the sense of touch.

1,980,751
WHEEL ALIGNMENT AND TURNING MECHANISM FOR TRAILER CARS
Greig Dunlop, Saskatoon, Saskatchewan, Canada
Application November 8, 1933, Serial No. 697,145
6 Claims. (Cl. 280—33.5)



4. Wheel alignment and turning mechanism for trailer trucks and the like comprising a trailer framework, a plurality of wheeled trucks supporting the framework, said trucks being disposed in groups, a draw bar swingably mounted on the framework, radius rods extending between the wheels of each truck, connecting means between one of said radius rods and draw bar, link connections between the corresponding wheels of adjacent trucks in a group whereby on movement of the draw bar the wheels of each truck in a group will move to a corresponding degree in the same direction, and means in connection with each group of trucks for maintaining the wheels of said group in alignment when not influenced by the draw bar.

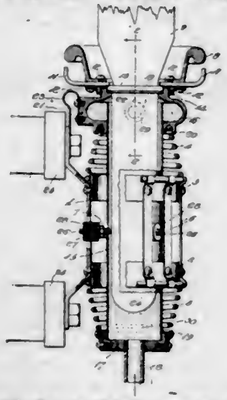
1,980,752
REGULATOR FOR MILKING MACHINES
Sven August Eskilson, Stockholm, and Georg Karl Vilhelm Johanson, Lidingo, Sweden, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden, a corporation of Sweden
Application February 4, 1931, Serial No. 513,295
In Sweden March 4, 1930
8 Claims. (Cl. 251—137)



1. A regulator for milking machine pulsators comprising a member provided with an orifice forming an air flow passage, an elastic disc having an orifice registering with said air flow passage and a needle, the body of which is larger than the disc orifice, normally extending into and throttling the orifice in said member, said

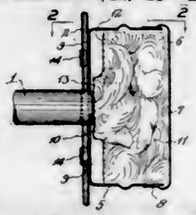
needle being movable by manual force axially within the orifice in said member and the orifice in said disc to thereby effect cleaning of the throttling surfaces of said needle and the orifice in said member.

1,980,753
HIGH POWER TUBE SUPPORT AND COOLING SYSTEM
Louis A. Gebhard, Washington, D. C., Edwin Lee White, Honolulu, Territory of Hawaii, and Corrie F. Rudolph, Washington, D. C., assignors, by mesne assignments, to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1926, Serial No. 116,591
Renewed February 13, 1929
3 Claims. (Cl. 250—27.5)



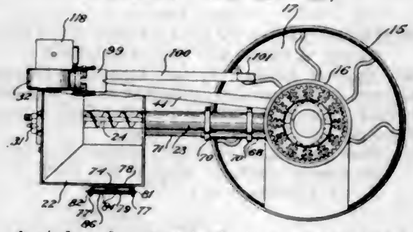
1. A support for a high power electron tube structure having a depending cylindrical anode comprising a receptacle for enclosing the anode of said electron tube structure, a pair of ring members located adjacent the center of said receptacle and supported from a frame structure, a pair of coiled spring members disposed between said ring members and said receptacle, a fluid inlet adjacent the lower end of said receptacle and a fluid outlet adjacent the opposite end of said receptacle whereby cooling fluid may be circulated around said anode and mechanical vibration prevented from reaching said electron tube structure.

1,980,754
INSECT TRAP
Leslie G. Henning and John Rein, Cleveland, Ohio, assignors to The H & R Sales Company, Cleveland, Ohio, a corporation of Ohio
Application April 26, 1930, Serial No. 447,538
Renewed April 4, 1934
4 Claims. (Cl. 43—132)



1. An insect trap comprising a perforated housing; resilient means therein normally projecting through the perforation thereof for holding insect-entangling means; and means formed on said housing for securing the trap in mounted position.

1,980,755
STOKER
Jesse L. Hinderer, Canton, Ohio
Application September 6, 1932, Serial No. 631,795
6 Claims. (Cl. 110—45)



1. A stoker furnace including a coal feed tube, an upwardly curved feed chamber communicating with the feed tube, and a tuyère block communicating with the upper end of the feed chamber, the upper portion of the inner surface of said tuyère block being in the form of an ellipse with its major axis at right angles to the axis of the feed tube.

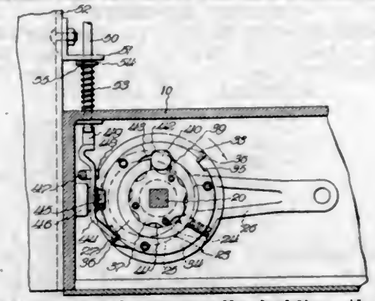
1,980,756
THERMALLY CONTROLLED SWITCH
Joseph C. Hoover, Detroit, Mich., assignor of sixty one-hundredths to Emil F. Bahls and Malcolm D. Riker, both of Detroit, Mich.
Application October 15, 1931, Serial No. 569,005
3 Claims. (Cl. 200—122)



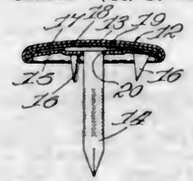
1. A device of the character described comprising an insulating block having a recess opening through one face thereof, a pair of electrical contacts therein, an electrical resistance element connected to the contacts, the major portion of the same positioned in the recess below the face of the insulating block through which the recess opens, a thermostatic bimetal element positioned adjacent and in spaced relation to the major portion of the resistance element, one end of the same connected to one of the contacts, and a third electrical contact positioned adjacent and in spaced relation to the movable part of the thermostatic bimetal element.

1,980,757
CLUTCH
Rudolph W. Janda, Berwyn, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Original application September 26, 1930, Serial No. 484,542. Divided and this application September 21, 1931, Serial No. 563,944
7 Claims. (Cl. 192—27)

6. In combination, an outer clutch member having an annular flange defining a recess and provided with an opening therethrough, an inner clutch member in said recess and free from the outer member, a coupling member operating in the opening and movable into and out of engagement with the inner clutch member, a yoke member fitting about the flange and movable thereabout, said yoke member having a recess adapted for reception of the outer portion of the coupling member when said recess is aligned with the opening, yielding means urging the yoke in a direction to move said recess of the yoke member out of alignment with the opening and thereby move the coupling member inwardly into engagement with the inner clutch member, and releasable means for normally holding the yoke member in inoperative position.

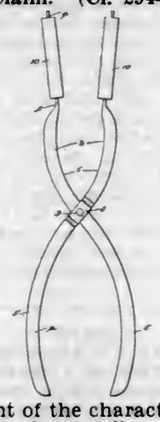


1,980,758
PUSHPIN
Joseph Komorous, Riverside, Ill., assignor to Parisian Novelty Company, Chicago, Ill., a corporation of Illinois
Application August 10, 1933, Serial No. 684,593
1 Claim. (Cl. 40—10)



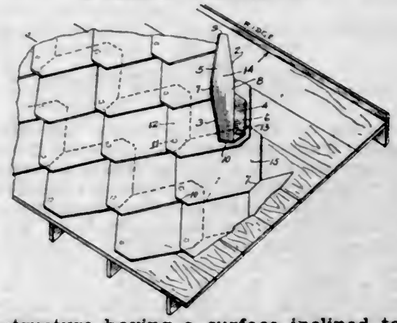
A push pin comprising a head formed of an apertured disk having a prong bent therefrom to project rearwardly beyond the head, a cover portion connected with said disk and a headed shank extending through the aperture in said disk, with the head of said shank confined between said disk and cover portion.

1,980,759
TONGS
George Kroto, New Rochelle, N. Y.
Application December 26, 1933, Serial No. 704,014
1 Claim. (Cl. 294—118)



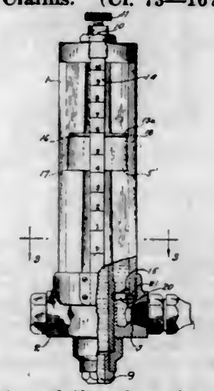
An implement of the character described comprising a pair of pivotally connected handles each of channeled sheet metal construction, each of said handles being provided with flattened out portions at a pair of their adjacent ends to provide jaw portions, each of the said jaw portions being provided with an enlargement at each end thereof, and a resilient sleeve adapted to be stretched over each of the jaw portions so as to seat between the enlargements, said flat jaw portions being in opposed relation so that a relatively broad gripping surface is available when the implement is in use.

1,980,760
SHINGLE
Thomas M. Mayfield, El Paso, Tex.
Application May 9, 1932, Serial No. 610,255
1 Claim. (Cl. 108—7)



A structure having a surface inclined to the horizontal and adapted to receive roof covering material, a covering secured to said surface and including rows of overlapping flexible shingles, each shingle having a nailing flap bent under the body thereof and having the crease formed by said flap extending at an acute angle to the horizontal, each flap being completely covered by the body of the shingle and nailed to said surface closely adjacent to the bottom edge of the shingle and through the central part of the shingle immediately below it and the top part of the shingle below it and in direct contact with the said surface.

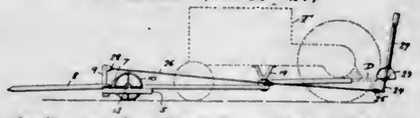
1,980,761
FLOW METER
Frank C. Mock, East Orange, and Clinton H. Havill, South Orange, N. J., assignors to Bendix Research Corporation, East Orange, N. J., a corporation of Indiana
Application September 17, 1930, Serial No. 482,618
12 Claims. (Cl. 73—167)



12. In a device of the class described, an upright container, a tube mounted coaxially within said container, said tube having a tapered wall constructed of a metallic substance, a float surrounding said tube, and means for controlling the flow between said float and tube comprising

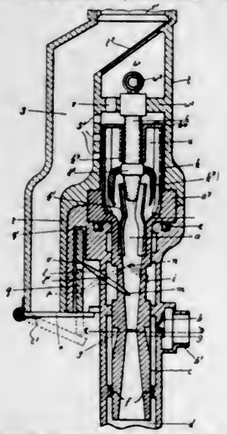
a metering member movable with the float and constructed of a material having the same coefficient of expansion as the material composing the wall of said tube, said metering member being secured to the float in spaced relation to the container side wall.

1,980,762
BUCK RAKE OR HAY SWEEP
Joseph Peters, O'Neill, Nebr.
Application April 25, 1934, Serial No. 722,365
1 Claim. (Cl. 56—27)



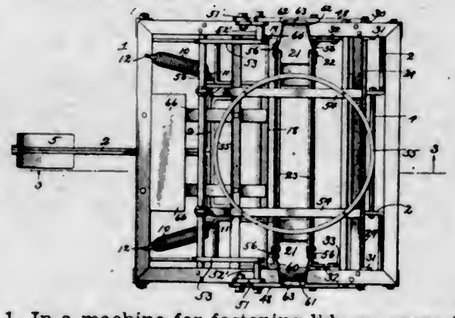
A device of the class described including an elongated frame adapted to be disposed forwardly and transversely of a tractor, wheels for supporting the end portions of the frame, a rake hingedly connected to the forward rail of the frame, a second frame extending rearwardly from the first mentioned frame, and means for swingably engaging the rear of the second mentioned frame under a tractor, a third frame secured to and upstanding from the rake, and means for swinging the third frame for raising and lowering the rake, a fourth frame rockably engaged under the tractor by the same means as the second frame and securely anchored to the tractor at its rear end.

1,980,763
DUST EXHAUSTING APPARATUS
Otto Schreiber, Neunkirchen, Kreis Siegen, Germany
Application April 20, 1932, Serial No. 606,399½
In Germany April 24, 1931
8 Claims. (Cl. 183—8)



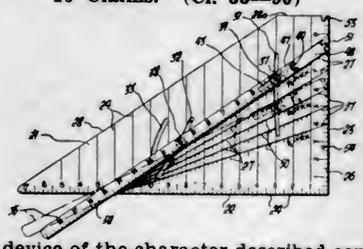
4. In dust exhausting apparatus for use with boring machines an upper dust receiving chamber, a lower dust and liquid receiving chamber, a conduit connecting said upper chamber to the boring machine and a passage connecting it to said lower chamber, a nozzle for delivering liquid through said lower chamber for conveying the dust to a delivery zone, a further nozzle coaxial with and into which said liquid delivery nozzle delivers its liquid, liquid pressure operated means for rotating said further nozzle and scrapers carried by said rotating nozzle for removing dust from the outer surface of the liquid delivery nozzle.

1,980,764
MACHINE FOR FASTENING COVERS TO FRUIT BASKETS
Samuel H. Sheller, Marion, Pa., assignor of one-half to George R. Hamlin, Washington, D. C.
Application September 16, 1932, Serial No. 633,504
41 Claims. (Cl. 140—93)



1. In a machine for fastening lids or covers to containers, automatically-acting means for effecting engagement of the loops on the container with the ends of the fastening slat on the cover, and means for operating said automatically-acting means.

1,980,765
ROOF FRAMING TOOL
Alfred George Sloper, Wagga Wagga, New South Wales, Australia
Application June 9, 1930, Serial No. 460,032
In Australia September 6, 1929
10 Claims. (Cl. 33—90)

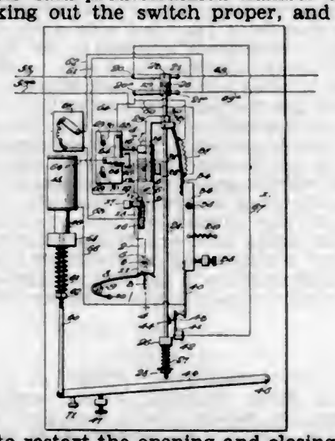


1. A device of the character described comprising a right angled plate provided with a number of slots, a straight edged bar lying against a face of said plate and having a longitudinally elongated slot near one end extending crosswise of one of said slots in said plate, guide members spaced longitudinally of said bar and projecting into said slots, one of said guide members extending through said slot in the bar, whereby the bar may be angularly adjusted on said plate, an arm pivotally attached to said bar by the guide member which passes through the slot in the bar so that the arm outstands from the face of the plate, and a second arm pivoted at one end to the outer end of said first arm and pivoted at its other end to the adjacent end of said bar.

1,980,766
INTERMITTENT CYCLING SWITCH FOR ELECTRICAL CIRCUITS
Reuben Theodore Smith, Newton, Miss.
Application January 16, 1933, Serial No. 652,085
17 Claims. (Cl. 175—294)

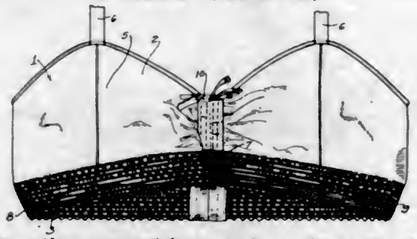
1. In an intermittent cycling switch, a base, a circuit switch proper connected between the service line wires and the load wires of an electric circuit, means governed by an overload on the load wires for opening and closing said switch

proper periodically during the overload and for a predetermined number of cycles, means operative after said predetermined number of cycles for locking out the switch proper, and manual



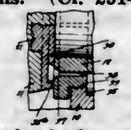
means to restart the opening and closing cycling of the switch proper after the lock-out while the overload persists and means for thereafter continuing the opening and closing of the switch indefinitely so long as the overload persists.

1,980,767
BRASSIÈRE
Howard B. Snader, Reading, Pa.
Application October 3, 1932, Serial No. 636,069
1 Claim. (Cl. 2—42)



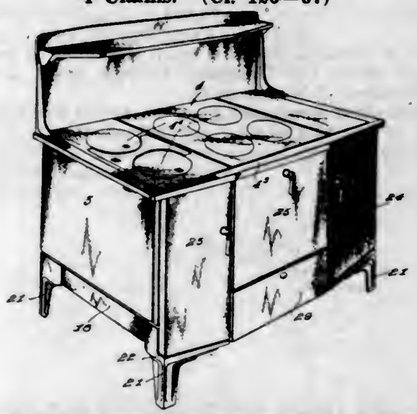
Brassière comprising a sheer inelastic body portion freely enveloping the breasts and a relatively stiff band of elastic webbing fixed to the bottom edge of the body portion adapted to encircle the body of the wearer contractively in a zone beneath the breasts affording a firm line of support for the breasts solely at the base, leaving them otherwise free to assume a natural contour determined by said support, and the front of the band being deflected upwardly toward the middle of the front, in the unworn garment, whereby when the band is distended by the body of the wearer, the lower edge will be tensioned to a greater extent than the upper edge, to prevent rolls.

1,980,768
LUBRICATED GATE VALVE
Harry G. Specht, Montclair, N. J., assignor to Eastwood Wire Corporation, Belleville, N. J., a corporation of New Jersey
Application December 2, 1930, Serial No. 499,480
4 Claims. (Cl. 251—59)



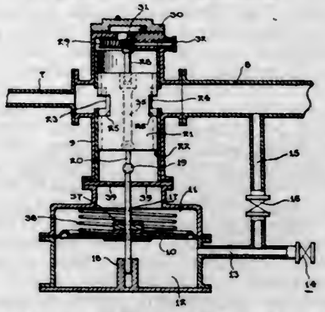
1. In a valve, a valve body, a valve seat in said body, a valve adapted to engage said seat, a lubricant channel in said valve closed by said seat in the closed position of said valve, said lubricant channel having inwardly diverging side walls adapted to retain lubricant during the opening of the valve and in the open position of the valve and when out of register with said valve seat.

1,980,769
RANGE CONSTRUCTION
Jacob Teller, New Rochelle, and Arthur P. Schulz, New York, N. Y., assignors to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York
Application April 26, 1932, Serial No. 607,614
4 Claims. (Cl. 126—37)



1. A range construction comprising a base, a range body mounted on said base and having a central compartment and lateral compartments, a front frame for said body having openings defining entrances to said compartments, said frame having an intermediate portion substantially parallel with the back of the range and lateral rearwardly inclined portions at an angle to said range back, and panels carried by said front frame for covering the several openings therein.

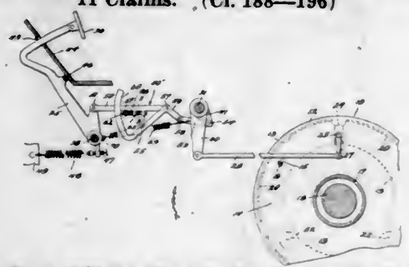
1,980,770
GAS MIXING APPARATUS
Rosswell W. Thomas, Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application April 14, 1931, Serial No. 530,091
2 Claims. (Cl. 48—184)



1. An apparatus of the class described, comprising a casing having first and second inlet ports, a sleeve valve movably mounted in said casing and having ports cooperating with said first and second ports, first and second gas-tight chambers, a movable partition separating said

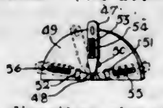
chambers, an outlet conduit for the casing communicating with the valve ports and with the first gas-tight chamber, means operatively connecting the movable partition and valve for causing movement of the partition to impart longitudinal movement to the valve, means for turning the valve to circumferentially adjust the valve ports relatively to said first and second ports, the means for turning the valve including slidably connected pin members and socket members, a rotatable worm gear carrying some of said members and having its axis of rotation coaxial with the axis of the valve, and a manually operated screw meshing with said gear for rotating said gear.

1,980,771
SLACK ADJUSTER
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 17, 1931, Serial No. 575,669
11 Claims. (Cl. 188—196)



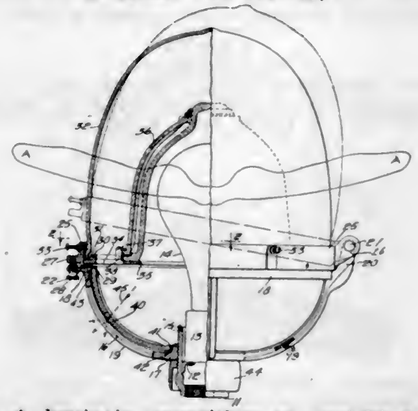
1. In a vehicle, the combination with the vehicle brake, of a control member, and means operatively connecting said control member and brake, said means including a pair of links, means connecting said links and movable with respect thereto, and resilient means for urging said link-connecting means in one direction to disalign said links to decrease the effective length thereof.

1,980,772
DIRECTION INDICATOR
William Allan Traill, Westmount, Quebec, Canada
Application November 27, 1931, Serial No. 577,573
1 Claim. (Cl. 177—339)



In a vehicle direction signal system, a signal unit comprising a common central base portion, similarly shaped individual enclosed signal portions generating from said common base along the radii of a circle having its center in said base portion and lying in a single plane, each of said signalling portions being provided with a directionally significant symbol, a lamp within each signal portion, means for mounting said unit on a vehicle with the plane of said signal portions vertical and transverse of the longitudinal axis of the vehicle, a switch for said signal unit comprising a face plate, means for mounting said face plate convenient to the driver of the vehicle and in a plane parallel to the plane of said signal portions, translucent windows arranged in said face plate along radial lines from a common center point on said plate and corresponding in position to the position of the respective signal portions of said signal unit, each window provided with the same symbol as its corresponding signal portion, a switch arm, means for pivotally mounting said arm on said face plate at the said center point thereon and on the side adjacent the driver of the vehicle, said arm having a shape similar to that of the respective signal portions of said signal unit and being provided with a slot through which said translucent windows in the face plate are respectively visible as said arm is turned on its pivot, a pilot light for each window of said face plate and means for mounting the same adjacent the respective windows on the opposite side of said plate from the switch arm, contact means for said switch operated by said arm, a source of current and circuits, said contact means and circuits being so arranged that when the arm is opposite any window the corresponding pilot light and signal light are illuminated, whereby said signal portions may be selectively illuminated and said switch arm and window give a visual representation of said illuminated portion.

1,980,773
LIGHTING UNIT
Davis H. Tuck, Norwalk, Conn., and Wilson Rosebraugh, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application December 31, 1931, Serial No. 584,084
4 Claims. (Cl. 240—25)

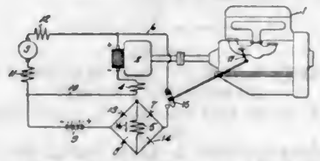


1. A luminair comprising an upright lamp bulb, a refractor open at the bottom and disposed about the lamp bulb for concentrating light into upward directions, a diffusing bowl of larger outside diameter than the refractor placed below the refractor for receiving and transmitting in downward directions the direct light emitted below the refractor, a skeleton frame member to receive the diffusing bowl, a refractor supporting ring secured to the frame member and carrying the refractor, an outer protective envelope carried by the ring, and means to clamp the ring and frame member together.

1,980,774
MANUFACTURE OF GOODS OF OR CONTAINING RUBBER OR THE LIKE
Douglas Frank Twiss, Wylde Green, and Edward Arthur Murphy, Erdington, Birmingham, England, assignors to Dunlop Rubber Company, Limited, Birmingham, England, a British corporation
No Drawing. Application March 31, 1931, Serial No. 526,767. In Great Britain May 21, 1930
7 Claims. (Cl. 18—50)

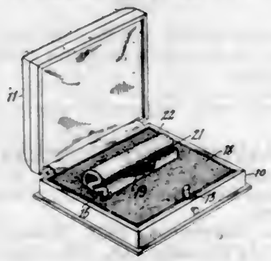
7. A method of making a "whole" latex concentrate containing all the original constituents of the natural latex in the correct proportions which comprises incorporating the correct proportions of a concentrated latex serum remaining from concentration of latex by centrifuging into a concentrated latex obtained by centrifuging.

1,980,775
EXCITATION SYSTEM FOR DYNAMO-ELECTRIC MACHINES
Stephen J. Vouch, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 11, 1933, Serial No. 693,124
5 Claims. (Cl. 172—239)



1. An excitation system for dynamo-electric machines including a field-exciting winding, a battery, another source of voltage, means dependent upon the voltage of said source being less than a predetermined value and including an asymmetrical conductor connected to said battery and said winding for providing auxiliary excitation of said winding by said battery, and means dependent upon the voltage of said source being greater than a predetermined value and including a second asymmetrical conductor connected to said battery and said winding for causing charging of said battery by the entire current flowing in said winding from said source of voltage.

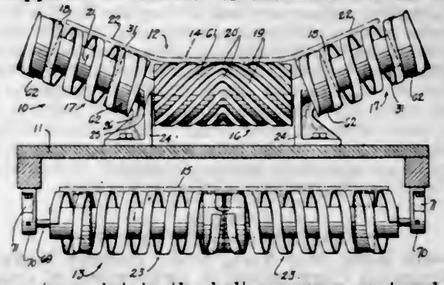
1,980,776
DISPLAY BOX
Jerome Warner, Buffalo, N. Y.
Application February 24, 1933, Serial No. 658,338
5 Claims. (Cl. 206—75)



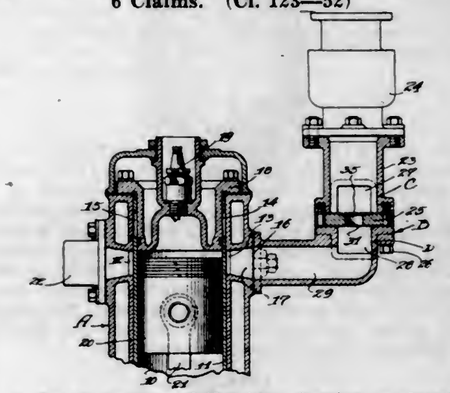
1. A display box for jewelry or a similar article, comprising a bed having a recess in its upper side provided with two longitudinal bearing walls and two transverse stop walls at opposite ends of said bearing walls, and a pillow adapted to support an article and having a longitudinal cylindrical surface adapted to rotatably engage said bearing walls and two flat transverse surfaces at opposite ends of the cylindrical surface which engage with said stop walls.

1,980,777
SUPPORTING MEANS FOR CONVEYER BELTS
John Zollinger, Oakhurst, N. J.
Application May 6, 1933, Serial No. 669,695
6 Claims. (Cl. 198—192)

1. A troughing roll for belt conveyers including a central horizontal section and end sections upwardly inclined from the end section, the end sections having peripheral helical ridges extending in opposite directions for the different end sections to maintain the belt conveyer centered on the troughing roll.

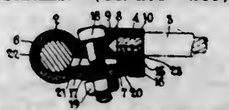


1,980,778
ENGINE
Carl F. Bachle, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 7, 1931, Serial No. 567,379
6 Claims. (Cl. 123—52)



1. In an engine of the type having a plurality of cylinders each provided with an intake port and having valve means associated therewith, a fuel mixture conducting manifold structure having a primary header and a secondary header, the latter extending generally longitudinally of the engine and communicating with said intake ports, said headers having a common intermediate wall separating same and provided with passages for connecting the end portions of said headers, said wall having one or more passages for connecting said headers intermediate the end portions and provided with a groove extending longitudinally along the floor of the primary header.

1,980,779
BATTERY CABLE TERMINAL
Louis Benny, Buffalo, N. Y., assignor to Herve C. Holly, Lockport, N. Y.
Application December 29, 1932, Serial No. 649,435
3 Claims. (Cl. 173—259)



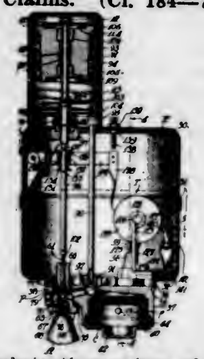
1. A battery post and cable connector comprising a unitary structure having spaced arms joined at one end to form a battery post clamp, the free end portion of one arm including a cable

receiving chamber and the free end of the other arm having an upraised jaw portion extending into said chamber, arcuate serrations on the face of one of said portions for gripping a cable, bolt holes through said arms intermediate their ends, a threaded bolt disposed through said holes and a nut on said bolt to apply clamping pressure to said arms, the distance from said jaw portion to the bolt being greater than the distance from said post clamp to the bolt, whereby the jaw portion is movable into clamping action in advance of the clamping action of the post clamp.

1,980,780
CHASSIS LUBRICATION

Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Application September 20, 1930, Serial No. 483,165
32 Claims. (Cl. 184—7)

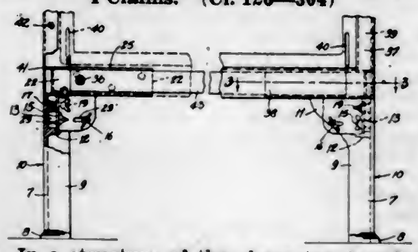


1. A central lubricating system of the character which includes a reservoir, a force pump, a plurality of lubricant filled distributing conduits into which lubricant from the reservoir is forced by the pump, flow-retarding means at the conduit outlets, and timer means synchronized with the pump and acting intermittently to cut off the supply of lubricant thereto from the reservoir.

1,980,781
RANGE

William A. Busick, St. Louis, Mo.

Application May 31, 1932, Serial No. 614,451
4 Claims. (Cl. 126—304)



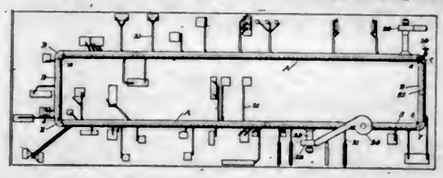
1. In a structure of the character described a body frame, a corner supporting bracket attached to said frame, said bracket having depending leg securing portions, said leg securing portions having slots formed therein, said leg securing portions being joined together by a connecting portion.

1,980,782
MATERIAL HANDLING SYSTEM

Raymond E. Caller, Scarsdale, N. Y.

Application July 15, 1931, Serial No. 550,972
8 Claims. (Cl. 302—11)

1. In a dust collecting system a self clearing main comprising a tubular duct forming a loop, branch supply pipes communicating therewith, air exhaust means communiting with said duct, an outlet in said duct positioned to discharge ma-

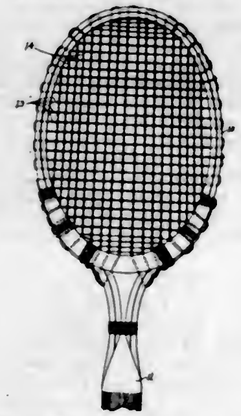


terial from the loop, and a material conveyor operative within said duct.

1,980,783
TENNIS RACKET AND METHOD OF STRINGING SAME

Howard A. Cook and Stanley T. Cook, Southfield, Mass.

Application October 8, 1932, Serial No. 636,836
3 Claims. (Cl. 273—73)

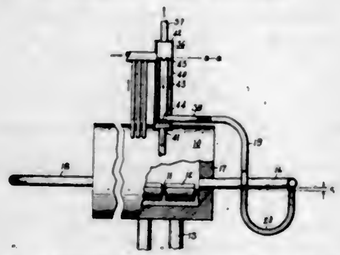


1. A tennis racket string comprising a single water-proofed strand of rawhide twisted into cylindrical shape.

1,980,784
ELASTIC FLUID GENERATOR

Bevis P. Coulson, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 1, 1932, Serial No. 635,770
18 Claims. (Cl. 122—318)

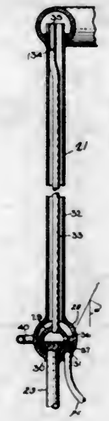


1. In a mercury vapor generator of the type in which a fixed quantity of fluid is sealed in the system and stands at a predetermined level when cold, a plurality of drums for containing mercury liquid to be evaporated, and a liquid equalizing pipe between two drums having its ends connected to said drums at points above the cold liquid level and below the hot liquid level.

1,980,785
ELASTIC FLUID GENERATOR

Bevis P. Coulson, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 29, 1932, Serial No. 649,350
14 Claims. (Cl. 122—235)

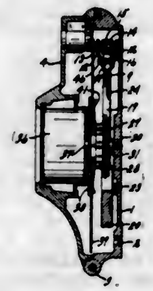


1. In an elastic fluid generating arrangement of the type in which a fixed quantity of fluid is sealed in the system and stands at a predetermined level when cold, a drum for containing liquid to be evaporated, a heating unit located below the level of the drum, and means for connecting the unit to the drum, said means including a conduit having a portion with a V-notch communicating with the drum at a point above the cold liquid level in the drum for conducting liquid from the drum to the unit at a rate disproportionately greater than the rise in liquid level.

1,980,786
RECORDER

Henry R. Cool, Cleveland, Ohio, assignor to The Service Recorder Company, Cleveland, Ohio, a corporation of Ohio

Application November 4, 1931, Serial No. 572,999
20 Claims. (Cl. 234—5.6)

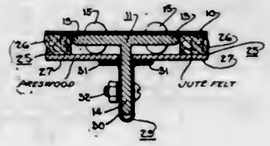


1. In a motion recorder, a casing comprising two cooperating parts, a carrier movably mounted in one casing part, a stylus movably supported thereby, a rotatable actuator for said carrier, motor means in the other casing part and having a driving element, and means for yieldingly coupling said driving element and said actuator for continuously rotating said actuator.

1,980,787
VEHICLE STRUCTURE

Frederick E. Dayes, Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware

Application August 9, 1933, Serial No. 684,337
3 Claims. (Cl. 296—28)

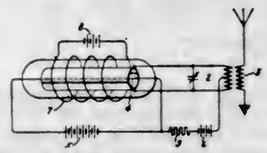


1. In a bus structure, in combination, a metal sheathing, angular posts for supporting the sheathing, said posts comprising a head and flange, the head seating against the sheathing and being connected to it, the flange extending inwardly, a finishing panel disposed parallel to the sheathing and abutting against the flange of the post, and a substantially U-shaped clamping member for retaining the panel in position, the clamping member enclosing the flange of the post and being detachably connected therewith to provide for the removal of the panel to gain access to the inside of the sheathing.

1,980,788
ELECTRON DISCHARGE SYSTEM

Kenneth C. De Walt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 17, 1930, Serial No. 453,392
6 Claims. (Cl. 250—36)



1. An oscillation generator comprising a discharge device having oppositely disposed anodes, a cathode arranged between said anodes, an oscillatory circuit connected between said anodes, a source of direct current potential connected between said anodes and cathode, means for producing a unidirectional magnetic field between said anodes having such value that oscillations are produced in said oscillatory circuit and means for eliminating rapid variations in current flowing between said cathode and anodes with respect to variations in field strength over a certain range thereof.

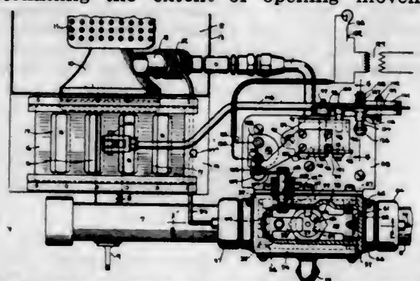
1,980,789
CONTROL APPARATUS

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application April 27, 1933, Serial No. 668,160
20 Claims. (Cl. 236—1)

1. A control apparatus comprising a gas burner, a valve controlling the supply of gas to said burner, means to supply air to said burner, a valve controlling said air supply means, power means, means to transmit motion from said power means to said gas valve, means responsive

to a condition remote from said gas valve for determining the extent of opening movement



of said gas valve, and means operable by said power means to actuate said air valve.

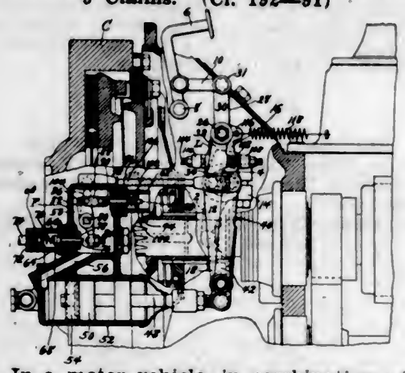
1,980,790

OPERATING MECHANISM FOR CLUTCHES

Willis G. Doyle, Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware

Application December 8, 1932, Serial No. 646,221

9 Claims. (Cl. 192—91)



1. In a motor vehicle, in combination with a clutch, operating mechanism for the clutch comprising a lever assembly, a foot pedal, a pressure regulation lever forming a part of said lever assembly connected with the foot pedal and adapted to shift said assembly, fluid pressure means, a pressure application lever forming a part of said lever assembly connected with said fluid pressure means and adapted to be operated by the latter to shift said lever assembly, a link connecting said levers, and means connected to said link and actuated by movement of said pressure regulation lever for controlling the operation of said fluid pressure means.

1,980,791

APPARATUS FOR SEPARATION OF GASES

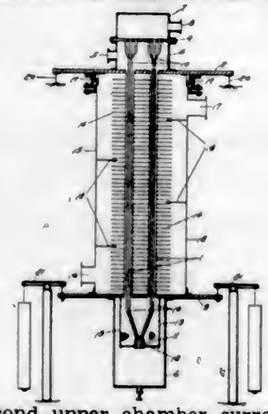
Homer Duggan, Mimico, Ontario, and Ivan R. McHaffie, Montreal West, Quebec, Canada, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware

Application October 18, 1933, Serial No. 694,142

In Canada August 24, 1933

4 Claims. (Cl. 257—228)

1. An apparatus for the separation of gases or vapors by liquefaction comprising an upper plate member connected by a plurality of tubes to a lower plate member, a casing surrounding said tubes and connected to said upper and lower plates to form a gas chamber, means for allowing said casing to expand and contract under variations of pressure and temperature, a lower chamber at the underside of said lower plate and surrounding the lower openings of said connecting tubes, a first upper chamber on the upperside of said upper plate and surrounding the upper openings of said connecting tubes, said connecting tubes forming thereby a passage for gases between said first upper chamber and said lower chamber, a second set of tubes extending through said first upper chamber and through said connecting tubes and opening into said lower cham-



ber, a second upper chamber surrounding the upper openings of said second set of tubes, said second set of tubes forming thereby a passage for gases between said lower chamber and said second upper chamber, one of said plates being rigidly supported, the other plate being floatingly supported in respect to said rigidly supported plate, so as to compensate for differences of length of said first connecting tubes due to contraction and expansion at different temperatures.

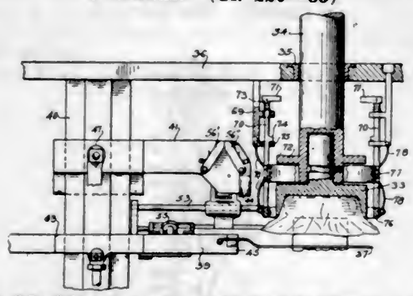
1,980,792

MACHINE FOR AUTOMATICALLY SEALING HOODS ON BOTTLES

John T. Eubank, Sherman, Tex., assignor, by mesne assignments, to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Application August 20, 1931, Serial No. 558,394

9 Claims. (Cl. 226—83)



1. Machine for automatically applying a sealing hood to bottles comprising a forming head, means for presenting a bottle beneath said forming head, means for locating a flat sheet between said bottle and said forming head, means for pushing said bottle and sheet into said forming head for forming the sheet into a hood, means for securing said hood in place, means for driving said bottle presenting means, sheet locating means and securing means, a normally open clutch between said driving means and said sheet locating and securing means, and means

actuated through said forming head for closing said clutch upon upward movement of said forming head occasioned by the presence of a bottle between said forming head and said pushing means.

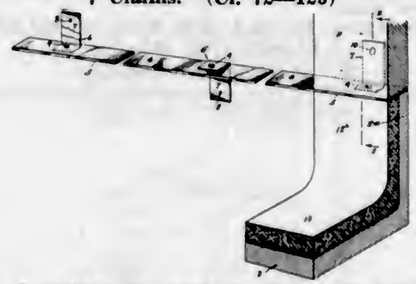
1,980,793

DIVIDING STRIP STRUCTURE

Harry L. Fink, New Rochelle, N. Y.

Application March 31, 1933, Serial No. 663,694

7 Claims. (Cl. 72—125)



1. A divider for surfacing layers in building construction comprising a strip of material having a plain edge to be exposed in the finished surface; and fastening means permitting the strip to be secured to a supporting face before the surface layer is applied, said fastening means comprising ears extending laterally of the strip at the edge opposite to said plain edge, the ears being shaped and positioned to lie against the supporting face and prevent tilting of the strip.

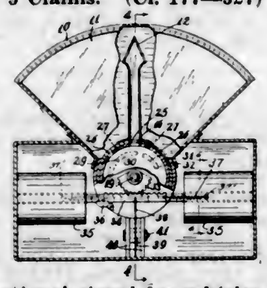
1,980,794

DIRECTION INDICATOR FOR VEHICLES

Harry L. Gebler, New York, N. Y.

Application October 22, 1931, Serial No. 570,276

5 Claims. (Cl. 177—327)



1. A directional signal for vehicles, comprising a casing with a translucent window, a hollow arrow made of translucent material to be internally illuminated and within said casing, a shell shutter element pivotally mounted in said casing and supporting said hollow arrow and having an opening communicating with the interior of said hollow arrow, a drum shutter element within said shell shutter element for cooperation with each other to produce a shutter action and slidably supported coaxially with the axis of pivoting of said shell shutter element and having apertures upon one transverse cross section for the passage of light into the hollow arrow through said opening in the shell shutter element in certain positions of rotation of said shell shutter element and having other apertures on a different transverse cross section for the passage of light into the hollow arrow through said opening in the shell shutter element in a different transverse position of said drum shutter element and in different positions of rotation of said shell shutter element, a lamp within said drum, means for limiting pivoting of said shell shutter element for the opening in said shell shutter element to align with the openings in said drum shutter element, and means for pivoting said shell shutter element.

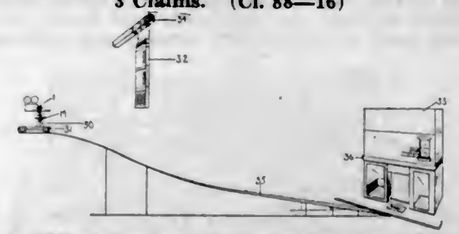
1,980,795

METHOD OF PHOTOGRAPHY

James A. Gibbons, North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application September 22, 1931, Serial No. 564,279

3 Claims. (Cl. 88—16)



1. The method which comprises positioning a motion picture camera in front of relatively spaced miniature and full-sized sets, with the edges of said sets and the axis of the lens of the camera substantially in alignment, the size of the miniature bearing the same relation to the size of the full-sized set that the distance from the camera to the miniature bears to the distance from the camera to the full-sized set, tilting the camera about a horizontal axis passing through its lens to scan the miniature and the full-sized set, and actuating the camera to expose the film therein while the camera is being thus tilted, thereby blending the photograph of the bottom of said miniature set with the photograph of the top of said full-sized set.

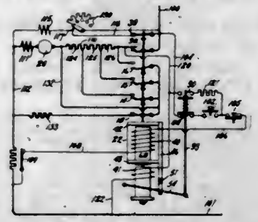
1,980,796

MOTOR STARTER AND CONTROL SYSTEM

Robert W. Goff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 23, 1932, Serial No. 644,047

20 Claims. (Cl. 172—288)



10. In combination, a motor provided with a field winding, a starter comprising a plurality of contacts for controlling the energization of said motor, an operating coil, an operating circuit for energizing said coil to close said contacts, means responsive to the closing of one of said contacts for reducing the energization of said coil, and means for preventing the completion of said operating circuit after said contacts have closed until after the counter-electromotive force of said motor has been reduced a substantial amount.

1,980,797

CHANGE SPEED SYSTEM

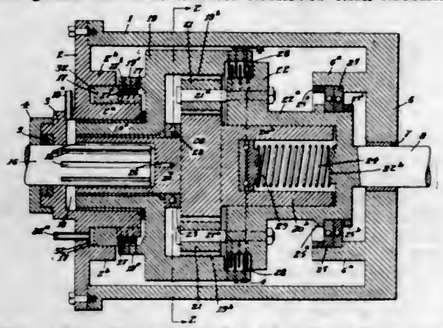
Jesse W. Hale, Newton Center, Mass.

Application June 6, 1933, Serial No. 674,529

15 Claims. (Cl. 74—260)

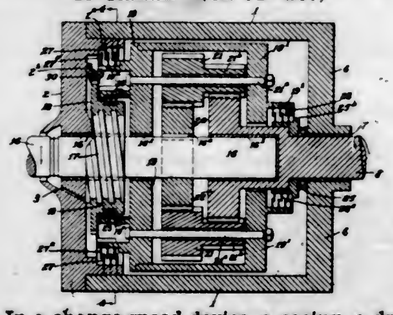
1. In a change speed device, a casing, a driving member axially entrant thereof, a main driving

gear connected for axial movement relative to said driving member, an internally annular geared element, an annular cylinder on said casing externally of the main and internal gear elements, a fluid pressure port for said chamber, a second annular cylinder in said casing, an annular piston in said cylinder, an annular clutch between the main gear member and casing and operably associated with said piston, a fluid pressure port for said second annular cylinder, an inward hub on said main gear, a rotatable driven member thereon and rotatably and slidably bearing on said hub on the main gear, a compression spring between the main gear and casing end, idler gears on said driven member and meshing



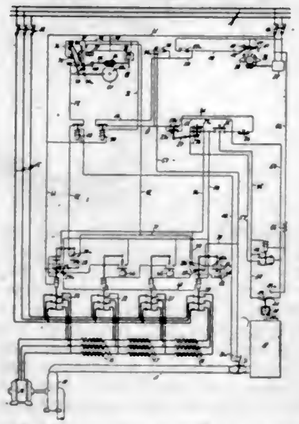
with said main gear and said internal gear, an annular clutch between the internal gear member and the driven member and engageable on the axial movement of the internal gear member relative to the driven member against the action of the said spring, whereby primary drive effected through the main gear and idler gears, the internal gear being held against rotation by pressure applied in the said named cylinder, is progressed by movement of said members by pressure in said first mentioned cylinder to free said internal gear for rotation relative to the casing and interlock it by engagement of the clutch between it and the driven member for a direct drive thereto.

1,980,798
CHANGE SPEED SYSTEM
Jesse W. Hale, Newton Center, Mass.
Application August 7, 1933, Serial No. 683,918
15 Claims. (Cl. 74—260)



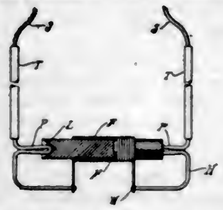
1. In a change speed device, a casing, a driving member axially entrant thereof, a main driving gear on said driving member, a driven shaft, a differential gear connection between said driving and said driven shaft, said differential gear connection comprising an independently mounted slidable gear box with differential gears mounted therein, clutch plates to hold said gear box to said casing, and clutch plates to hold said gear box in contact with said driven shaft, a member on said casing, a carrier adapted to travel over said member, a connection between said carrier and said box permitting free rotation thereof, and means responsive to engine speed to move said carrier in either direction on said member.

1,980,799
CONTROL SYSTEM
Llewellyn C. Hardesty, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1933, Serial No. 659,057
7 Claims. (Cl. 103—25)



1. In a fluid pump control system, a pump, means responsive to a pressure condition in said system for starting said pump, means responsive to the flow of fluid through said pump for stopping said pump upon failure of fluid to flow within a predetermined interval of time after said pump is started, and means for preventing the restarting of said pump for a predetermined interval of time after said pump is stopped.

1,980,800
METHOD OF AND PHYSICAL ARRANGEMENT FOR CONTACT BREAKING AND LIGHTING APPLIANCES
John Allen Heany, New Haven, Conn., assignor to Sirian Lamp Company, New Haven, Conn., a corporation of Delaware
Refiled for abandoned application Serial No. 271,352, January 16, 1919. This application August 23, 1926, Serial No. 131,054. Renewed October 3, 1932
16 Claims. (Cl. 176—17)

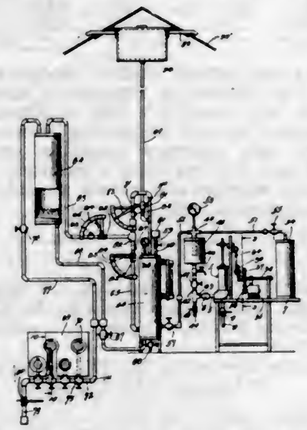


2. The method of electrically insulating adjacent surfaces of turns of coiled wire which are initially close together in conducting relationship which consists in placing said wire adjacent to but movable from a solid surface; surrounding such wire and surface with a gas in a closed container; and heating the wire by the passage of electric current therethrough.

1,980,801
ALLOY
Henry Edwin Holbrook, Irvington, N. J., assignor to The H. A. Wilson Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application June 16, 1933, Serial No. 676,092
2 Claims. (Cl. 75—1)

1. An alloy containing osmium in an amount between 50% and 90%, the remainder being rhodium.

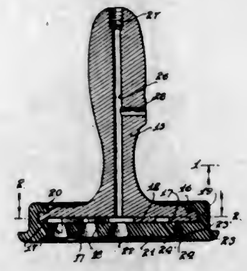
1,980,802
FUEL GAS GENERATOR
Adolph Jagmin, Cicero, Ill.
Application September 29, 1932, Serial No. 635,431
1 Claim. (Cl. 261—21)



In a fuel generating system, a fuel liquid containing tank, means for injecting air under pressure into the tank below the liquid level thereof, a pipe having one end connected with the top of said tank and having its other end connected with the bottom of the tank whereby both air and liquid may be led off therefrom, a pair of valves in said pipe each comprising a body having a restricted passage therethrough and a needle disposed across the passage for controlling the flow of fluid therethrough, said valve passages being in spaced alined relation whereby the fluids passing therethrough will oppose one another and be intimately mixed, a pipe leading off from said first pipe from a point intermediate said valves, a storage tank into the upper part of which said last pipe leads, a pair of rough adjustment valves in said first pipe disposed with said first valves therebetween, a rough adjustment valve in the second mentioned pipe, a fine adjustment valve in the second mentioned pipe between the rough adjustment valve and the storage tank, and means for conducting fuel gas from the storage tank to a point of consumption.

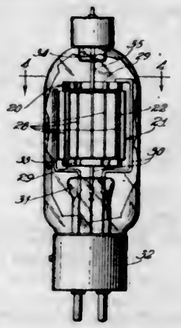
1,980,803
MASSAGE APPLICATOR
Dolletta M. Johnson, Detroit, Mich.
Application March 9, 1931, Serial No. 521,074
2 Claims. (Cl. 128—297)

1. An applicator of the class described, comprising a flat disc-like retaining member having an annular peripheral flange projecting beyond the inner surface thereof, a cup-shaped yieldable contact member, means for detachably securing same to said retaining member, said securing means comprising an upstanding, inwardly projecting annular portion integral with the contact member overlying said flange, said flange contacting the inner surface of the contact member to space the same from the opposed inner surface of the disc-like member, said cup-shaped member having a plurality of openings formed therein



communicating with the space between the disc-like and contact members; and an apertured handle integral with the disc-like member also in communication with said space, and means for maintaining the disc-like and contact members in relatively immovable relationship.

1,980,804
THERMIONIC TUBE
Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y., a corporation of New York
Application March 21, 1931, Serial No. 524,254
2 Claims. (Cl. 250—27.5)

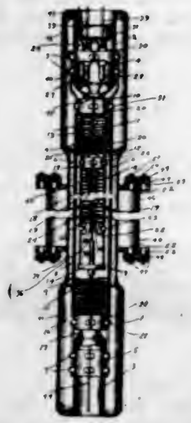


1. A thermionic valve comprising a filament, a grid, said filament and said grid comprising a plurality of straight lengths of material alternately disposed relative to each other and forming a cage, and an anode of cylindrical form disposed parallel to said straight lengths of material and equi-distant therefrom.

1,980,805
ELECTRON TUBE CONSTRUCTION
Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y., a corporation of New York
Application May 22, 1931, Serial No. 539,184
5 Claims. (Cl. 250—27.5)

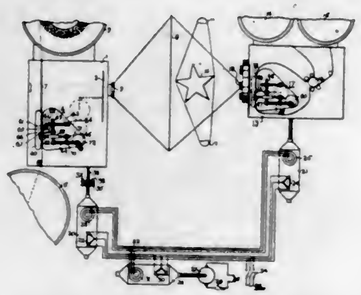
1. A thermionic tube including a container, a filament therein, means at one end of the container forming a support for the filament, a ten-

sioning device for the filament, a disc, a rod mounting the disc in the opposite end of the



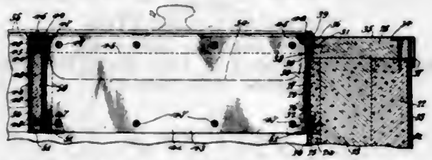
container, and an insulating stem rigid with said disc bearing said device.

1,980,806
COMPOSITE MOTION PICTURES
Hans F. Koenekamp, Venice, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application August 17, 1932, Serial No. 629,123
3 Claims. (Cl. 88—16)



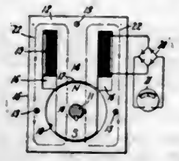
1. Photographic apparatus for making composite motion pictures comprising a motion picture camera, a motion picture projector, a translucent screen there-between, said camera being adapted to photograph action before said screen while motion pictures are projected thereon from said projector, a motor for said camera, a motor for said projector, said motors having field windings and armatures respectively, means for interconnecting said motors for synchronism, a film advancing mechanism for said projector and indicia for indicating the position of said film advancing mechanism, a set of register pins cooperating with said film advancing mechanism, a film advancing mechanism for said camera and indicia for indicating the position of said last mentioned film advancing mechanism, a set of register pins cooperating with said last mentioned film advancing mechanism, means for energizing said field windings to move said armatures into a definite starting position, and means for changing the driving relation between one of said film advancing mechanisms and register pins and its respective motor in accordance with said indicia whereby said film advancing mechanisms may be adjusted for synchronous operation.

1,980,807
REFRIGERATOR CABINET
Albert L. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, a corporation of Pennsylvania
Application October 11, 1932, Serial No. 637,232
11 Claims. (Cl. 220—9)



1. In a refrigerator cabinet having an opening in the top thereof, a supporting member surrounding said opening, a pair of stirrups removably secured to said supporting member for adjustment into different positions on opposite sides of said opening, and a partition extending across said opening and having its ends in removable engagement with said stirrups.

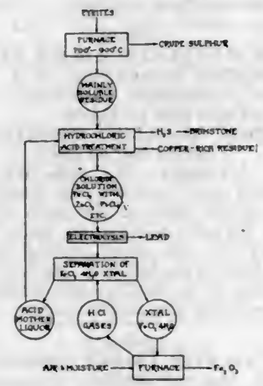
1,980,808
ALTERNATING CURRENT GENERATOR
Joseph K. Leibing, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1933, Serial No. 691,309
10 Claims. (Cl. 171—209)



8. A dynamo electric machine comprising a permanent magnet having a plurality of salient pole pieces of alternate magnetic polarities, a magnetic structure having a peripheral surface which is adjacent the peripheral surfaces of said pole pieces and which is separated therefrom by an air gap, said magnet and magnetic structure being relatively movable, said magnetic structure having a tongue separated from the main body portion of the structure by two slots therein, said tongue projecting inwardly from the main body portion and terminating at said air gap, and an armature winding surrounding said tongue, said main body portion and slots being so shaped in the vicinity of the free end of said tongue near said air gap that the nearby body portion functions as a comparatively low reluctance magnetic shunt for the tongue when the current flowing through said armature winding appreciably exceeds its normal operating value.

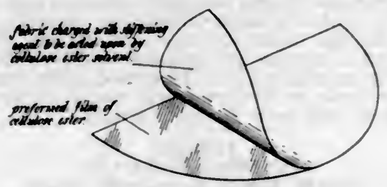
1,980,809
PRODUCTION OF FERRIC OXIDE AND OTHER METAL VALUES FROM PYRITES
Stanley Isaac Levy, London, England
Application March 5, 1928, Serial No. 259,317
In Great Britain February 10, 1928
5 Claims. (Cl. 23—200)

1. A process for the treatment of iron pyrites for the recovery of the elements therefrom, consisting in heating the pyrites in the absence of air to a temperature in the region of 700–900° C., treating the solid monosulphide residue so obtained with strong hydrochloric acid at elevated temperatures to give a solution containing ferrous chloride and the chlorides of zinc and lead,



separating this solution from the solid residue, extracting lead as metal by electrolysis from the solution, separating ferrous chloride by crystallization from the solution, and heating the ferrous chloride so obtained in presence of air and moisture and recovering hydrogen chloride.

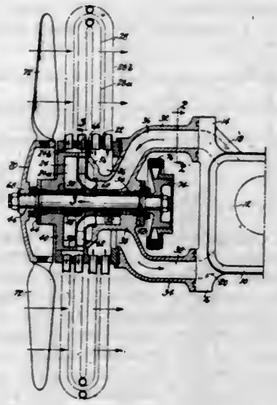
1,980,810
SHOE STIFFENER
Stanley P. Lovell, Newton, Mass., assignor to Arden Box Toe Company, Watertown, Mass., a corporation of Massachusetts
Application June 25, 1932, Serial No. 619,296
11 Claims. (Cl. 154—46)



1. A laminated shoe stiffener, comprising at least three plies bonded together in superposed, face-to-face relationship, the inner ply consisting of a preformed, substantially continuous film of cellulose ester and the outer plies consisting of fabric charged with stiffening agent coming from a source other than said film and capable of being gelatinized by a solvent of said cellulose ester.

1,980,811
COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Fredrik Ljungström, Lidingo, Sweden, assignor to Aktiebolaget Spontan, Stockholm, Sweden, a corporation of Sweden
Application March 17, 1933, Serial No. 661,251
In Germany June 20, 1932
37 Claims. (Cl. 123—174)

1. In a closed circuit cooling system for internal combustion engines, a unitary assembly comprising a radiator, a cooling fan, a pump for circulating cooling fluid and means for driving the fan and pump, said assembly being adapted to be



secured to and to be removed from an engine as a single unit.

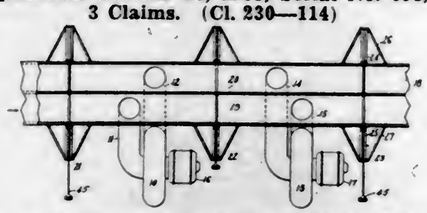
1,980,812
PREPARATION OF TITANIUM COMPOUNDS
William Basil Llewellyn and Howard Spence, Manchester, England, assignors to Peter Spence & Sons, Limited, Manchester, England
No Drawing. Application July 3, 1931, Serial No. 548,704. In Great Britain July 5, 1930
7 Claims. (Cl. 23—117)

1. The process for producing basic titanic sulphate insoluble in water but readily soluble in acids and containing less than 0.5 mol. of SO_3 to each mol. of TiO_3 which process includes precipitation at a temperature below 50° centigrade from a solution containing titanic sulphate by controlled, incomplete neutralization, the neutralization being insufficient to precipitate all of the TiO_2 in the solution.

1,980,813
ARTICLE OF RUBBER AND METHOD OF MAKING IT
Evelyn William Madge, Stockland Green, Birmingham, England, assignor to Dunlop Rubber Company Limited, a corporation of Great Britain
No Drawing. Application February 5, 1931, Serial No. 513,783. In Great Britain March 31, 1930
3 Claims. (Cl. 18—53)

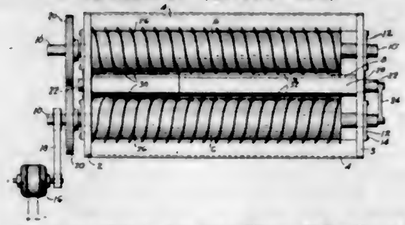
1. A process for the manufacture of porous or microporous articles of vulcanized rubber material from an aqueous dispersion thereof which comprises mixing in said dispersion a member of the group of reagents consisting of the sulphates, chlorides, nitrates and acetates of the alkali metals including ammonium which do not gel or coagulate the dispersion in the quantity present therein, and a member of the group of reagents consisting of the oxides and hydroxides of di- and tri-valent metals which by interaction produce products in situ which in the quantity added at an elevated temperature gel said dispersion to form a continuous medium of the rubber material containing microscopic particles of aqueous liquid, and thereafter vulcanizing the products obtained under such conditions that evaporation of contained liquid is prevented.

1,980,814
COMPRESSOR PLANT
Glenn F. Maughmer, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application October 17, 1933, Serial No. 693,919
3 Claims. (Cl. 230—114)



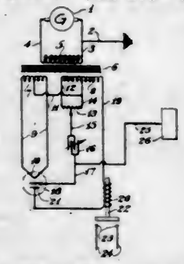
1. In a compressor plant, the combination of two compressors, conduit means defining a channel connected to the inlet of the first compressor and to the outlet of the second compressor and another channel connected to the outlet of the first and the inlet of the second compressor, and valve means in the conduit means on both sides of each connection for connecting in one position the compressors in series and for preventing operation of one of the compressors in another position.

1,980,815
ARTICLE SORTING MACHINE
Douglas M. McBean, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application October 4, 1932, Serial No. 636,125
12 Claims. (Cl. 209—101)



1. In a machine for handling disk-shaped articles of the class described, two rolls horizontally arranged side by side and spaced apart, a rocking bar arranged between the rolls having cylindrical surface portions respectively spaced predetermined distances from the cylindrical surfaces of the rolls, means for rotating the rolls in opposite directions so as to cause their inner surface portions to travel upwardly, and means for oscillating the bar in timed relation thereto.

1,980,816
CONTROLLING APPARATUS
Rex D. McDill, East Cleveland, Ohio
Application December 15, 1932, Serial No. 647,417
8 Claims. (Cl. 175—320)

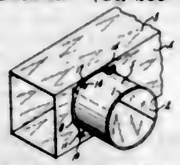


1. Electrical apparatus comprising a source of alternating current, a thermionic valve, transforming means supplying current to the grid and plate of said valve, regulating means controlling the current supplied to said grid, capacitative means controlling the potential of the current supplied to said grid, capacitative means controlling the potential of the current supplied to said grid and arranged to have its capacity varied by an extraneous object.

1,980,817
CASE HARDENED ALLOY STEELS
Ernest C. Moffett, Woodbridge, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 12, 1930, Serial No. 427,943
2 Claims. (Cl. 148—31)

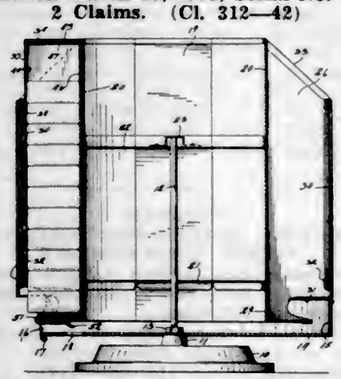
1. An alloy steel having less than 1 per cent of carbon in the body of the steel and having a carburized surface containing more than 1 per cent of carbon, the steel having a fine grain structure, which carburized surface is obtained by hardening in a molten salt bath containing an alkaline earth metal cyanide.

1,980,818
ADAPTER FOR DRAFT REGULATORS
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 6, 1933, Serial No. 664,792
5 Claims. (Cl. 285—105)



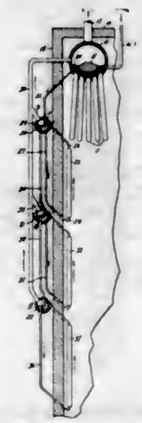
1. In a device of the class described for mounting a draft regulator on a stack breaching of substantially commensurate size, a base having a flange adapted to overlie a side of said breaching with openings for bolting to the latter, and having a circular flange adapted to receive and position a draft-regulator-supporting thimble, said base having means outside said circular flange adapted to receive and position thimble-securing bolts from without said breaching after mounting the base on the breaching, and to secure the heads of said bolts against turning.

1,980,819
VENDING MACHINE
Fred R. Nelson, Greeneville, Tenn.
Application March 15, 1933, Serial No. 660,940
2 Claims. (Cl. 312—42)



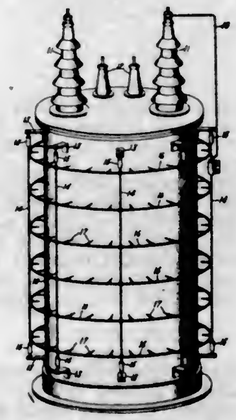
1. A vending machine including a base, an upstanding circular guard flange on the base interrupted at one point, a rotatable magazine mounted upon the base concentric to the guard flange and with its lower end disposed within the flange, the magazine being formed to provide a plurality of radially extending vending compartments each open at its top, each vending compartment having a bottom wall and extending from the rear wall partially across the lower end of the magazine, a carton holder insertible into the compartment through the top thereof and fitting the compartment and having a top, and a bottom wall extending partially across the holder, the front wall of the holder terminating short of the bottom, the rear being open, means detachably locking the lower end of each holder to the bottom wall of the corresponding compartment comprising a clip adapted to embrace the lower wall of the magazine and the lower wall of the holder, the withdrawal of the clip being prevented by said guard flange until the clip is brought into coincidence with the interruption in the guard flange, the inner end of the lower leg of the clip having a downwardly deflected lip and the base having an opening through which a finger may be inserted to engage the lip and dislodge the clip.

1,980,820
ELASTIC FLUID GENERATOR
Anthony J. Nerad, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1932, Serial No. 649,352
12 Claims. (Cl. 122—235)



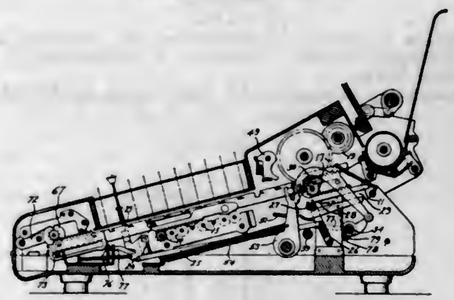
1. In an elastic fluid generating arrangement of the type in which a fixed quantity of fluid is sealed in the system and stands at a predetermined level when cold, a container for liquid to be evaporated, a heating unit located below the level of the container, and conduit means connecting the unit to the container at a point above the cold liquid level of the container for conducting liquid from the container to the unit in response to level changes in the container, the heating unit comprising a header in which the cold liquid stands at an intermediate point so as to provide a liquid space and a vapor space, down-tubes connected to the bottom of the header and up-tubes connected to the lower ends of the down-tubes and communicating with the vapor space in the header whereby the static liquid pressure in the up-tubes is independent from the static liquid pressure in the container and said conduit means.

1,980,821
MEANS FOR COOLING ELECTRICAL APPARATUS
Konstantin K. Palueff, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 27, 1933, Serial No. 682,532
4 Claims. (Cl. 175—265)



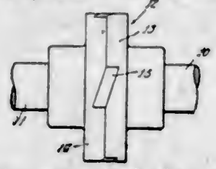
1. The combination with electrical apparatus which develops heat during operation, said apparatus having a high voltage terminal, of conductive means adjacent a surface heated by said apparatus, and means connected to said high voltage terminal for producing corona on said conductive means to increase the cooling effect of the surrounding air.

1,980,822
CHECKWRITER
Edgar Ellsworth Phinney, West Orange, N. J., assignor to Defiance Manufacturing Corporation, Orange, N. J., a corporation of New York
Application April 3, 1934, Serial No. 718,786
3 Claims. (Cl. 101—96)



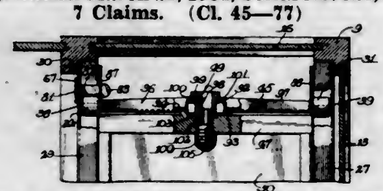
1. In a checkwriter, a bank of single digit keys, numeral designating type carriers including a reversely movable carrier provided with a series of progressively disposed numeral type and a series of regressively disposed numeral type, a setting member selectively adjustable to move the reversible carrier in one or in the other direction, a setting member engaging an adjacent carrier, means cooperating with a key of said bank to reverse the adjustment of the first-named setting member, and means cooperating with said key to control the extent of movement of the adjacent setting member.

1,980,823
COUPLING
Claude L. Post, Chicago, Ill.
Application January 18, 1933, Serial No. 652,336
8 Claims. (Cl. 64—96)



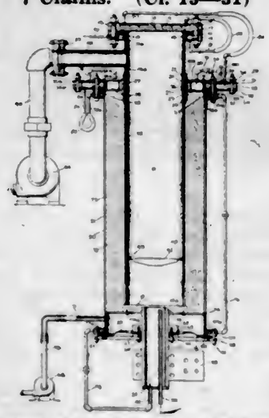
1. A coupling comprised of a pair of elements, each of said elements having a groove provided in a face thereof arranged transverse to the axis of the respective elements, said groove having base portions on opposite sides of the center line of the coupling which extend from the bottom of one wall thereof to the plane of said face and are inclined in opposite directions relatively to each other and a coupling member arranged in said grooves providing means for transmitting motion from one of said first mentioned elements to the other.

1,980,824
DRAWER DEVICE FOR DESKS AND THE LIKE
Maynard H. Raggio, Chicago, Ill.
Application March 21, 1931, Serial No. 524,299
7 Claims. (Cl. 45—77)



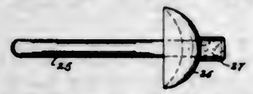
1. In a drawer device comprising a drawer, a guide, and a support connected to the drawer and movably associated with the guide, a connecting means for the support and comprising integral spaced abutments respectively engageable with the support and the drawer, and means for securing the connecting means to the drawer.

1,980,825
FURNACE
William K. Rankin, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application September 30, 1933, Serial No. 691,684
7 Claims. (Cl. 13—31)



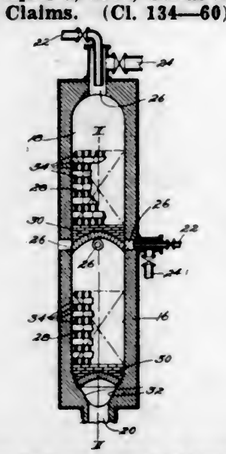
1. A furnace comprising a metal heating chamber, means for heating said chamber, means for maintaining a vacuum in said chamber, a vacuum envelope closed to said heating chamber surrounding the major portion of said chamber and a heat insulating material substantially filling said vacuum envelope.

1,980,826
EAR CLEANING IMPLEMENT
Sydney Reiss, New York, N. Y.
Application May 3, 1933, Serial No. 669,155
10 Claims. (Cl. 128—304)



1. An ear cleaning implement, comprising a handle, a soft guard fixed on one end of said handle, and a cleaning element mounted upon said handle immediately above the center of said guard, a peg being adjustably mounted on the end of said handle immediately adjacent said guard, and said cleaning element comprising covering material engaged over said peg.

1,980,827
APPARATUS FOR THE PRODUCTION OF CARBON BLACK
Forrest C. Reed, Kansas City, Mo.
Application April 8, 1931, Serial No. 528,576
13 Claims. (Cl. 134—60)

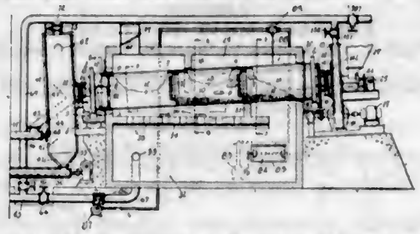


1. Apparatus for producing carbon black comprising a dissociation chamber, and a checkerwork construction within said chamber made up of units each having wedge-shaped edges projecting in the direction counter to the general direction of the gas flow for presenting the surfaces exposed to gas contact in an inclined relation to said direction of gas flow.

1,980,828
APPARATUS AND PROCESS FOR DISTILLING AND TREATING COAL AND OTHER CARBONACEOUS MATERIALS
Harry S. Reed and Ralph D. Lamie, East Lansing, Mich.
Application January 15, 1932, Serial No. 586,756
11 Claims. (Cl. 202—28)

8. The process of distilling carbonaceous material, consisting in distilling the same in a tumbling barrel retort divided into successive compartments through which the material is delivered, heating the said material by external heat

on the said retort and by heat conducting tumbling bodies within the mass of said coal to pulverize and advance the same, delivering both the pulverized solid material and distilled gas and vapors to a separating chamber where the solid material accumulates by gravity in the bottom and the gas with the volatile by-products is dis-

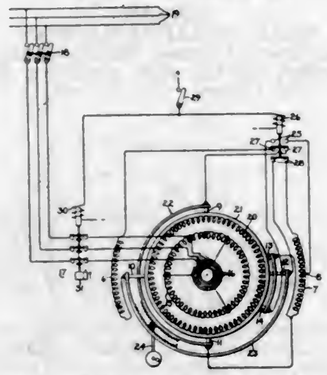


charged, delivering the solid material by a suitable conveyor to an upright gas-making chamber, delivering a jet of superheated steam with entrained hot air upwardly through the floating particles of solid material to produce gas therefrom, and separating the ash and dust from the last aforesaid gas.

1,980,829
PURIFICATION AND REGENERATION OF PLATINUM CATALYSTS
Earl S. Ridler, Shaker Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 22, 1933, Serial No. 677,175
5 Claims. (Cl. 23—238)

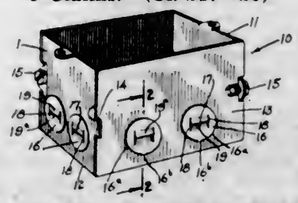
1. The process of regenerating a spent, supported platinum catalyst which comprises impregnating said catalyst with a liquid preparation of a volatile reducing agent and substantially completely removing said liquid preparation from said catalyst.

1,980,830
REGENERATIVE BRAKING OF ALTERNATING-CURRENT COMMUTATOR MOTORS
Percy W. Robinson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 31, 1934, Serial No. 728,243
7 Claims. (Cl. 172—179)



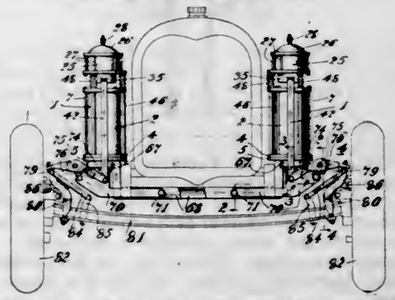
1. A commutator motor of the induction type including a primary member, a commutated winding on said primary member, a secondary member carrying a multiphase winding, and means including switches for alternately establishing connections between said multiphase winding and said commutated winding for producing motor operation and for producing regenerative-braking operation.

1,980,831
ELECTRIC SWITCH OR JUNCTION BOX
Edward M. Rosenfield, New York, N. Y., assignor to Standard Electric Equipment Corporation, a corporation of Delaware
Application April 23, 1932, Serial No. 607,046
5 Claims. (Cl. 247—26)



1. A one-piece "knock-out" construction for an electric switch box having a shear and intersecting cuts normally forming a closure to provide a forcibly displaceable resilient section for permitting entry of a prying tool, said shear extending across the center of the knock-out, the ends of said shear terminating short of the boundary of the disc.

1,980,832
AIR SUSPENSION AND SHOCK ABSORBER
Anibal J. Saforcada, Martinez, Argentina
Application September 17, 1932, Serial No. 633,571
14 Claims. (Cl. 267—65)

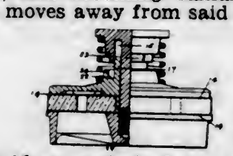


1. A device of the class described comprising a main chamber adapted to contain fluid under pressure, means operatively connected with the body of a vehicle and adapted to super-compress said fluid within a portion of said main chamber, a control chamber, a conduit leading from said main chamber to said control chamber, a slide valve to control the flow of liquid from said main chamber into said conduit, a control valve adapted to permit a flow of super-compressed fluid from said main chamber into said control chamber and to prevent rapid return of said super-compressed fluid to said main chamber.

1,980,833
VALVE
Alfred Varley Sims, Brooklyn, N. Y.
Application September 16, 1929, Serial No. 392,750
3 Claims. (Cl. 251—146)

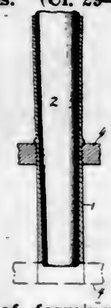
1. The combination with a valve seat having a central post extending therefrom, of a valve disk surrounding said post and adapted to reciprocate toward and away from said seat and rotate about said post, a guard plate surrounding said post and adapted to be reciprocated toward and away from said disk, a spring forcing said guard plate toward said disk, said guard plate and disk being adapted to be moved away from said seat by fluid pressure, a plurality of liquid dashpots comprising pots and dashes operatively connected

to said guard plate, said dash pots surrounding and being at different radial distances from said post, said dashpots coming successively into operation at different portions of the stroke of the guard plate, and becoming cumulative, as the guard plate moves away from said seat, and dis-



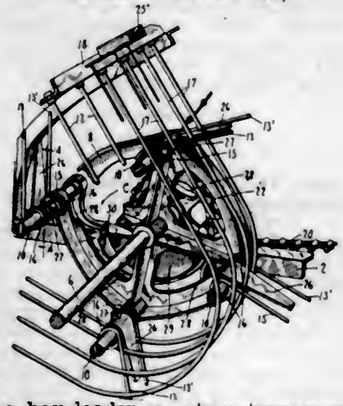
charging liquid successively from an inner dashpot to an outer and finally discharging it from the outer dashpot whereby the resistance and cushioning effect on the guard plate is increased as it moves away from the said seat and decreases as the guard plate is moved toward the valve seat.

1,980,834
METHOD OF MAKING A PROPELLER
John Squires, Hagerstown, Md.
Application March 25, 1929, Serial No. 349,696
Renewed May 18, 1932
9 Claims. (Cl. 29—156.8)



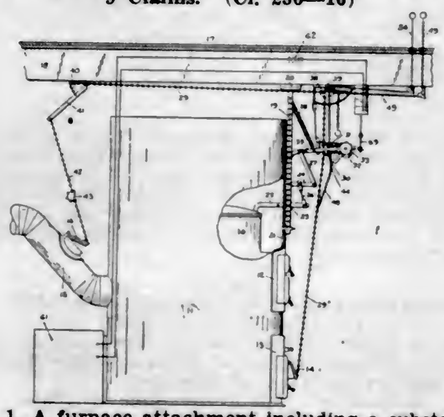
1. The method of forming propeller blades, consisting in fashioning a length of tubular stock to a gradually varying diameter, then gradually decreasing the thickness of its wall from its lesser diameter to its larger diameter extremity by a die operation, then closing its larger diameter end and forming its other end with a supporting portion.

1,980,835
HAY LOADER
Henry Synck, Coldwater, Ohio, assignor to The New Idea Spreader Company, Coldwater, Ohio, a corporation of Ohio
Application May 2, 1934, Serial No. 723,508
7 Claims. (Cl. 56—364)



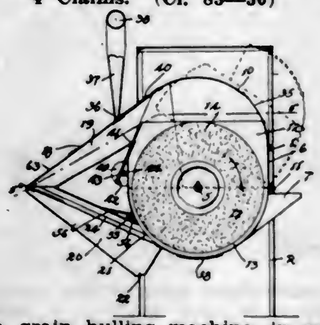
1. In a hay loader, a rotary transversely arranged raking device, a series of resilient spring raking teeth disposed throughout the length of said device, and a raking element of a more rigid character than said teeth carried by said device and cooperating with the teeth at at least one end of said device.

1,980,836
FURNACE HEAT REGULATOR
Paul C. Timm and William P. Timm, Lincoln, Nebr.
Application November 15, 1933, Serial No. 698,162
9 Claims. (Cl. 236—16)



1. A furnace attachment including a substantially horizontal lever having a pivot outside the furnace jacket and in proximity thereto, said lever passing through a vertical wall of the furnace jacket and having its inner extremity in contact with the furnace for lever movements in response to the movements of expansion and contraction of the furnace, means operable by said lever for opening and closing the draft valve and the check valve of the furnace in response to the expansion and contraction movements of the furnace, a remote control for manually opening the draft valve of the furnace, and means automatically operable to close the draft valve of the furnace at a predetermined furnace temperature.

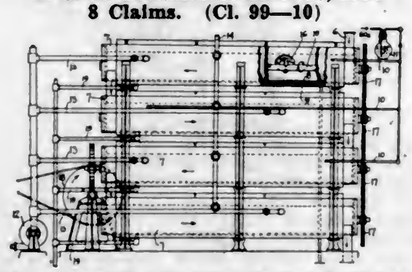
1,980,837
GRAIN HULLING MACHINE
Nelson Tracy, Carman, Manitoba, Canada
Application April 9, 1932, Serial No. 604,197
4 Claims. (Cl. 83—30)



1. In a grain hulling machine, in combination, a casing interiorly divided into a plurality of similar relatively narrow compartments, a rotatably mounted shaft passing longitudinally of the casing and through the compartments, a plurality of discs rotating with the shaft, there being a disc in each compartment, said discs

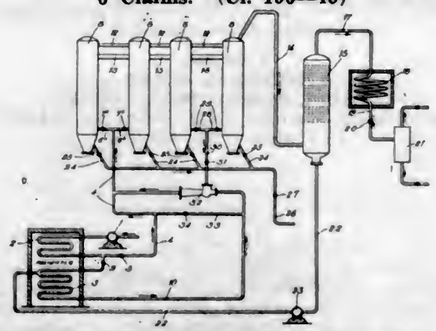
and compartment walls being provided with abradant material, means for feeding grain to be hulled into the first compartment at one end of the casing, grain receiving by-passes exterior of the casing connecting any one compartment with the following compartment, screens in the by-passes and directing the grain passed thereover back into the compartments and means for collecting and discharging from the machine the grain passing through the screens.

1,980,838
PROCESS OF TREATING FAT AND OIL-BEARING SEED PRODUCTS
Gabriel Philip Tussaud, Rickmansworth, England, assignor, by mesne assignments, to Arnold R. Boyd, New York, N. Y.
Application June 27, 1931, Serial No. 547,287
In Great Britain December 16, 1930
8 Claims. (Cl. 99—10)



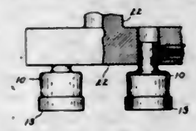
1. A process for treating fat and oil-bearing seeds which comprises soaking same in water and then heating the water-soaked seeds between 110° and 140° C. in the presence of sulphur dioxide gas whereby the fatty and other decomposing constituents therein become stabilized.

1,980,839
PROCESS OF AND APPARATUS FOR CRACKING HYDROCARBON OILS
Joseph B. Webre, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 18, 1931, Serial No. 516,567
6 Claims. (Cl. 196—48)



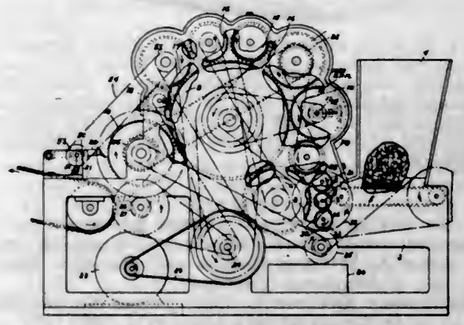
1. In the process of cracking hydrocarbon oil, the steps which comprise heating the oil in a coil to a cracking temperature, passing the heated oil through a plurality of series connected still chambers wherein bodies of oil are maintained under cracking conditions substantially entirely by the contained heat thereof, removing vapors generated within the stills and conducting them to a dephlegmator to form therein a desired vapor fraction which is drawn off to condensing means and a reflux condensate, withdrawing the reflux condensate and reheating it in a separate heating coil to a cracking temperature, passing the heated reflux condensate through an injector pump adapted to withdraw unvaporized residual oil from the last stills of the series and commingle it with the heated reflux condensate, conducting the resulting admixture to the first stills of the series, thereby recycling through the stills a substantial portion of the oil undergoing conversion therein so as to effect turbulent intermingling of the oil in said bodies in order to maintain tarry constituents which ordinarly settle out in the lower portion of the stills to form coke suspended within the bodies of oil wherein they undergo substantial conversion into desirable liquid fractions and to maintain a substantially uniform temperature in all of the stills, whereby a uniform rate of cracking is maintained.

1,980,840
SEAL FOR ELECTRIC LAMPS AND SIMILAR ARTICLES
Daniel K. Wright and Alfred Greiner, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application February 28, 1931, Serial No. 518,988
2 Claims. (Cl. 49—81)



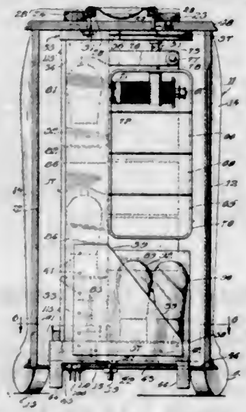
1. The method of uniting a metal thimble with a tubular glass body which consists in first firmly uniting a glass collar to the end of said thimble, then heating to fusion a closed end portion of the tubular glass body and the said collar and then bringing said collared thimble end against said fused end portion and blowing said closed tube end to expand it and to form a tight joint.

1,980,841
PREPARING MACHINE
Elmer T. Wuest, Cincinnati, Ohio
Application December 10, 1931, Serial No. 580,017
14 Claims. (Cl. 19—99)



12. The combination with a carding mechanism comprising toothed elements including a main cylinder and a feeding means for advancing crude material to the carding mechanism, of a high speed toothed element in advance of the carding mechanism and operating at a higher surface speed than the main cylinder and spaced at such a distance from the main cylinder of the carding mechanism elements as to intercept and reject lumps, seeds and foreign objects fed toward the carding mechanism by the feeding means.

1,980,842
RADIO RECEIVING SET
Edward F. Andrews, Chicago, Ill.
Application July 31, 1930, Serial No. 471,949
11 Claims. (Cl. 250—14)



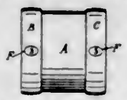
1. A radio receiving set including thermionic tubes in combination with a chassis having a vertical channel member and carrying receiving apparatus, a plurality of said thermionic tubes being vertically arranged in superposed and shielded relation within said vertical channel member, and other thermionic tubes arranged behind said vertical channel member.

1,980,843
BREAD BAND
Oliver B. Andrews, Chattanooga, Tenn.
Application December 7, 1932, Serial No. 646,073
5 Claims. (Cl. 24—17)



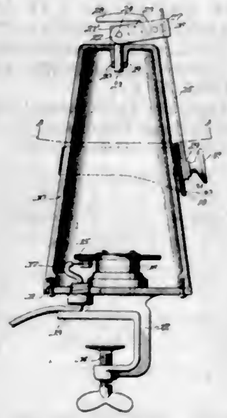
1. A band adapted to encircle sliced bread to hold the same in loaf assembled form, said band having an opening surrounded by adjustable means adjacent an end of the loaf adapted to receive an end of the loaf and frictionally engage the loaf to retain the band in operative position thereon.

1,980,844
NUMBER INDICATING DEVICE
Horace Josiah Ball, Kimberley, England, assignor to William Hollins and Company Limited, Nottingham, England
Application October 4, 1933, Serial No. 692,188
In Great Britain October 6, 1932
3 Claims. (Cl. 40—68)



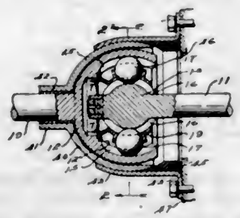
1. A device for indicating numbers and for like purposes comprising in combination a hollow cylindrical body with numbers distributed round the ends thereof, and end covers with rims which fit and are frictionally secured on the ends of the body and cover the numbers on the latter and are each formed with an opening adapted to disclose one of said numbers at a time.

1,980,845
COLLAR PRESSING MACHINE
Walter J. Beattie, Cohoes, N. Y., assignor to The Beattie Manufacturing Company, Cohoes, N. Y., a corporation of New York
Application March 12, 1934, Serial No. 715,244
16 Claims. (Cl. 68—9)



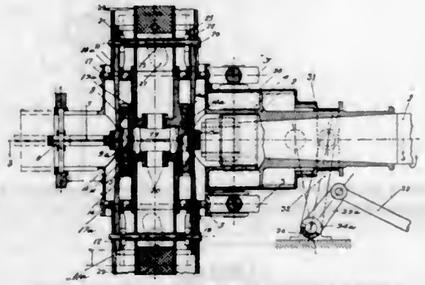
1. A collar pressing machine comprising a collar supporting form and an ironing appliance operatively associated therewith to facilitate ironing of the exterior surfaces of collars on said form, said form comprising a substantially vertically disposed tapering body having a length in excess of its mean diameter and adapted to receive collars of different sizes at different levels in snug fit thereon, said ironing appliance comprising an ironing pad mounted for movement on an axis disposed centrally of the form and around the outer surface thereof, said pad having a concave ironing surface disposable in ironing engagement with collars of all sizes positioned on said form at all different levels thereon.

1,980,846
UNIVERSAL JOINT
Merrill I. Bradley, Detroit, Mich.
Application March 9, 1931, Serial No. 521,039
15 Claims. (Cl. 64—91)



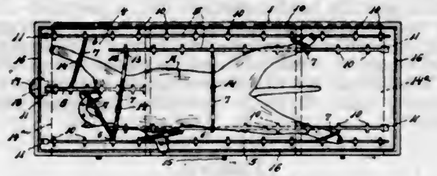
1. A universal joint for a shaft which includes, in combination, a socket and a ball member provided with raceways, a plurality of balls disposed in said raceways and interconnecting said socket and ball member for transferring torque therethrough, and additional balls, independent of the first said balls and raceways, for retaining the ball member in united relation to said socket.

1,980,847
DEVICE FOR REGULATING THE PITCH OF VARIABLE PITCH PROPELLERS DURING FLIGHT
Louis Bréguet, Paris, France, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France, a company of France
Application September 30, 1931, Serial No. 566,099
In France June 16, 1931
8 Claims. (Cl. 170—163)



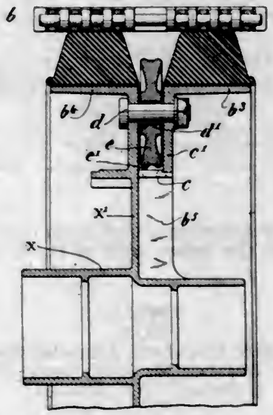
1. In a device for automatically regulating the pitch of a propeller, a driving shaft, a hub slidably and rotatably mounted on said shaft, at least one connecting rod between said shaft and said hub for transmitting the stresses from one to the other, at least two propeller blades, at right angles to said shaft journalled in said hub in line with each other on either side of the axis of said shaft, two bearings in said hub for rotatably supporting each propeller blade about an axis at right angles to said shaft, said two bearings being disposed on either side of the axis of said shaft respectively, a support rigidly fixedly to said shaft, a roller carried by said support, and a cam carried by each of said propeller blades adapted to cooperate with said roller for adjusting the pitch of said blade according to the position of said hub on the axis of the driving shaft.

1,980,848
X-RAY TABLE
Rhea D. Cass, Lakewood, Ohio
Application November 29, 1932, Serial No. 644,869
5 Claims. (Cl. 250—34)



1. An operating table of the character described, comprising a table having an operating surface provided with a plurality of guide slots arranged in pairs, each slot being provided with cooperating opposing flanges and terminating short of one end of the guide slot, securing means for holding a subject to be examined against movement relative to the table, the said securing means comprising cooperating strap members and guide blocks disposed in the said slots, the said blocks having a portion thereof upwardly extending between the said flanges, each of the guide slots having locking slots of substantially the same dimensions as the said blocks extending transversely of the guide slots at intervals along the guide slot and adapted to receive the said blocks for securing the same against accidental displacement from adjusted position along its guide slot, and fastening means for securing each strap to its respective block.

1,980,849
DUAL WHEEL
Walter Christie, East Orange, N. J., assignor to Charles R. Lord and Clayton Farris, both of Newark, N. J.
Original application April 30, 1928, Serial No. 274,097. Divided and this application May 6, 1932, Serial No. 609,573
2 Claims. (Cl. 74—241)

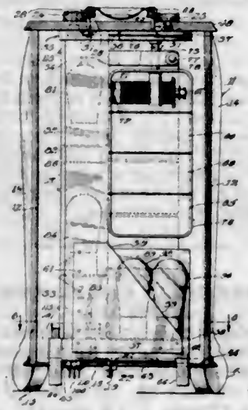


1. A wheel adapted for use with an endless track adapted to pass around the wheel and provided with driving lugs, said wheel comprising a hub, spokes, a plurality of fellies, said fellies being laterally spaced to provide an annular recess for receiving the driving lugs and one of said fellies being detachable from the wheel, said detachable felly having an inwardly extending portion and said spokes having portions affording seats for the latter, means for rigidly connecting said fellies in spaced relation, and rollers carried by said connecting means and disposed in the recess between the fellies for cooperating with said driving lugs.

1,980,850
STORAGE APPARATUS
Malcolm S. Clark, Warren, Ohio, assignor, by direct and mesne assignments, of one-fifth to Starrett Building Company, a corporation of Illinois, one-fifth to Harnischfeger Corporation, a corporation of Wisconsin, one-fifth to Walter W. Ahlschlager, Inc., a corporation of Illinois, nineteen one-hundredths to Albert B. Fridaker, Chicago, Ill., one-tenth to Bert B. Balkema, Detroit, Mich., and one one-hundredth to Edwin A. Roehling
Continuation of application Serial No. 277,584, May 14, 1928. This application November 8, 1930, Serial No. 494,438
21 Claims. (Cl. 214—16.1)

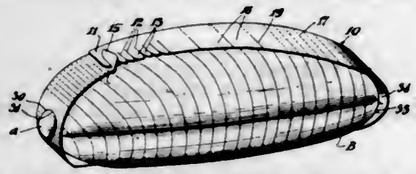
1. In a storage system, the combination of a plurality of separate detached storage units arranged in vertical columns with the units of each column in superposed relation and all supported at the lower end of each column, means for lifting either column bodily a distance equal to the height of one unit and simultaneously lowering the other column bodily an equal distance, means transferring a unit from the lower end of one column to the lower end of the other and into

1,980,842
RADIO RECEIVING SET
Edward F. Andrews, Chicago, Ill.
Application July 31, 1930, Serial No. 471,949
11 Claims. (Cl. 250—14)



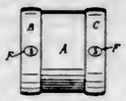
1. A radio receiving set including thermionic tubes in combination with a chassis having a vertical channel member and carrying receiving apparatus, a plurality of said thermionic tubes being vertically arranged in superposed and shielded relation within said vertical channel member, and other thermionic tubes arranged behind said vertical channel member.

1,980,843
BREAD BAND
Oliver B. Andrews, Chattanooga, Tenn.
Application December 7, 1932, Serial No. 646,073
5 Claims. (Cl. 24—17)



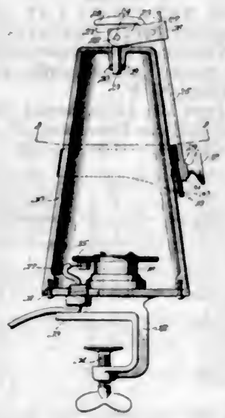
1. A band adapted to encircle sliced bread to hold the same in loaf assembled form, said band having an opening surrounded by adjustable means adjacent an end of the loaf adapted to receive an end of the loaf and frictionally engage the loaf to retain the band in operative position thereon.

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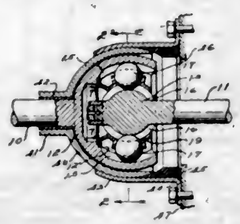
1. A device for indicating numbers and for like purposes comprising in combination a hollow cylindrical body with numbers distributed round the ends thereof, and end covers with rims which fit and are frictionally secured on the ends of the body and cover the numbers on the latter and are each formed with an opening adapted to disclose one of said numbers at a time.

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Walter J. Beattie, Cohoes, N. Y., assignor to The Beattie Manufacturing Company, Cohoes, N. Y., a corporation of New York
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16 Claims. (Cl. 68—9)



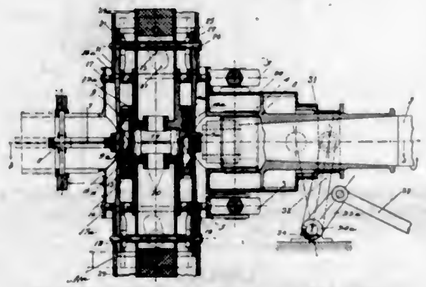
1. A collar pressing machine comprising a collar supporting form and an ironing appliance operatively associated therewith to facilitate ironing of the exterior surfaces of collars on said form, said form comprising a substantially vertically disposed tapering body having a length in excess of its mean diameter and adapted to receive collars of different sizes at different levels in snug fit thereon, said ironing appliance comprising an ironing pad mounted for movement on an axis disposed centrally of the form and around the outer surface thereof, said pad having a concave ironing surface disposable in ironing engagement with collars of all sizes positioned on said form at all different levels thereon.

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15 Claims. (Cl. 64—91)



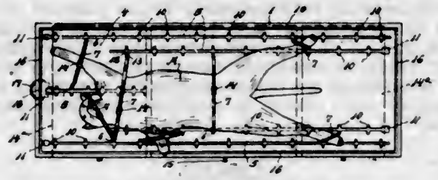
1. A universal joint for a shaft which includes, in combination, a socket and a ball member provided with raceways, a plurality of balls disposed in said raceways and interconnecting said socket and ball member for transferring torque therethrough, and additional balls, independent of the first said balls and raceways, for retaining the ball member in united relation to said socket.

1,980,847
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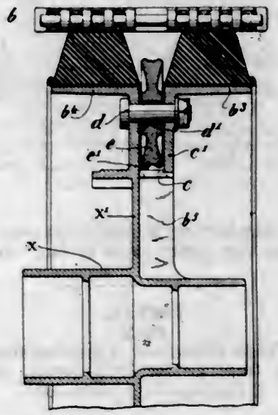
1. In a device for automatically regulating the pitch of a propeller, a driving shaft, a hub slidably and rotatably mounted on said shaft, at least one connecting rod between said shaft and said hub for transmitting the stresses from one to the other, at least two propeller blades, at right angles to said shaft journalled in said hub in line with each other on either side of the axis of said shaft, two bearings in said hub for rotatably supporting each propeller blade about an axis at right angles to said shaft, said two bearings being disposed on either side of the axis of said shaft respectively, a support rigidly fixedly to said shaft, a roller carried by said support, and a cam carried by each of said propeller blades adapted to cooperate with said roller for adjusting the pitch of said blade according to the position of said hub on the axis of the driving shaft.

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Application November 29, 1932, Serial No. 644,869
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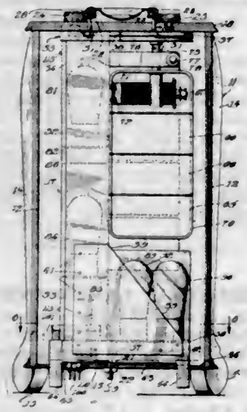


1. A wheel adapted for use with an endless track adapted to pass around the wheel and provided with driving lugs, said wheel comprising a hub, spokes, a plurality of fellies, said fellies being laterally spaced to provide an annular recess for receiving the driving lugs and one of said fellies being detachable from the wheel, said detachable felly having an inwardly extending portion and said spokes having portions affording seats for the latter, means for rigidly connecting said fellies in spaced relation, and rollers carried by said connecting means and disposed in the recess between the fellies for cooperating with said driving lugs.

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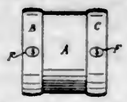
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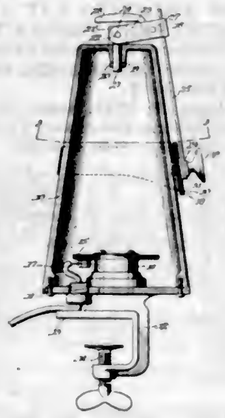
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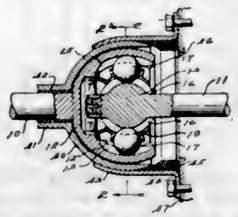
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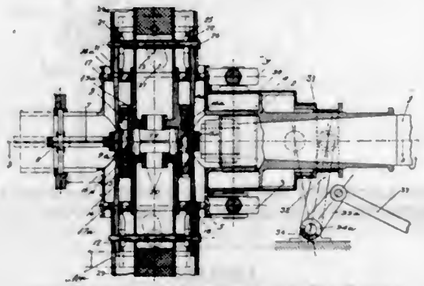
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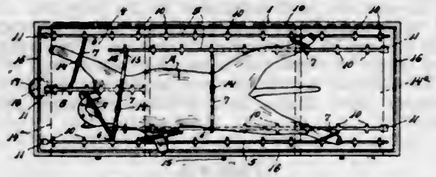
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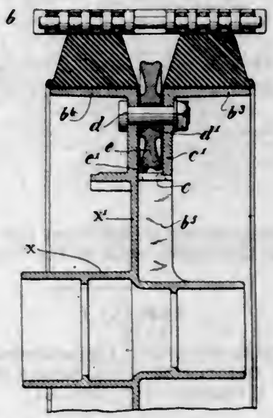
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1,980,848
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Application November 29, 1932, Serial No. 644,869
5 Claims. (Cl. 250—34)



1. An operating table of the character described, comprising a table having an operating surface provided with a plurality of guide slots arranged in pairs, each slot being provided with cooperating opposing flanges and terminating short of one end of the guide slot, securing means for holding a subject to be examined against movement relative to the table, the said securing means comprising cooperating strap members and guide blocks disposed in the said slots, the said blocks having a portion thereof upwardly extending between the said flanges, each of the guide slots having locking slots of substantially the same dimensions as the said blocks extending transversely of the guide slots at intervals along the guide slot and adapted to receive the said blocks for securing the same against accidental displacement from adjusted position along its guide slot, and fastening means for securing each strap to its respective block.

1,980,849
DUAL WHEEL
Walter Christie, East Orange, N. J., assignor to Charles R. Lord and Clayton Farris, both of Newark, N. J.
Original application April 30, 1928, Serial No. 274,097. Divided and this application May 6, 1932, Serial No. 609,573
2 Claims. (Cl. 74—241)

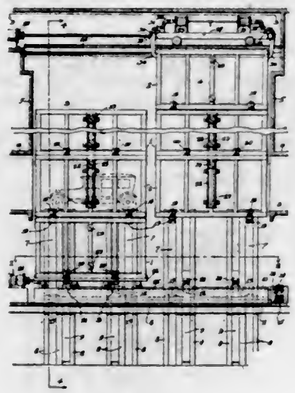


1. A wheel adapted for use with an endless track adapted to pass around the wheel and provided with driving lugs, said wheel comprising a hub, spokes, a plurality of fellies, said fellies being laterally spaced to provide an annular recess for receiving the driving lugs and one of said fellies being detachable from the wheel, said detachable felly having an inwardly extending portion and said spokes having portions affording seats for the latter, means for rigidly connecting said fellies in spaced relation, and rollers carried by said connecting means and disposed in the recess between the fellies for cooperating with said driving lugs.

1,980,850
STORAGE APPARATUS
Malcolm S. Clark, Warren, Ohio, assignor, by direct and mesne assignments, of one-fifth to Starrett Building Company, a corporation of Illinois, one-fifth to Harnischfeger Corporation, a corporation of Wisconsin, one-fifth to Walter W. Ahlschlager, Inc., a corporation of Illinois, nineteen one-hundredths to Albert B. Fridaker, Chicago, Ill., one-tenth to Bert B. Balkema, Detroit, Mich., and one one-hundredth to Edwin A. Roehling
Continuation of application Serial No. 277,584, May 14, 1928. This application November 8, 1930, Serial No. 494,438
21 Claims. (Cl. 214—16.1)

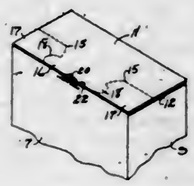
1. In a storage system, the combination of a plurality of separate detached storage units arranged in vertical columns with the units of each column in superposed relation and all supported at the lower end of each column, means for lifting either column bodily a distance equal to the height of one unit and simultaneously lowering the other column bodily an equal distance, means transferring a unit from the lower end of one column to the lower end of the other and into

the control of its lifting means while said columns are supported by said lifting means, and



means for tranferring a unit from one column to the other at the upper ends of the columns.

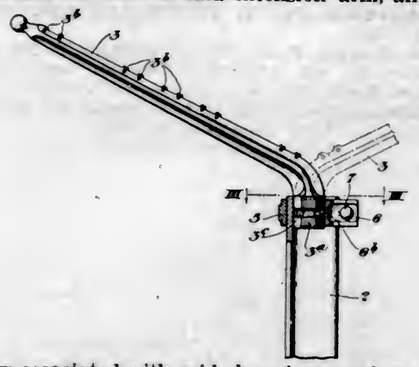
1,980,851
BOX
James Clyde Crawford, Chambersburg, Pa.
Application October 30, 1933, Serial No. 695,932
3 Claims. (Cl. 229—51)



1. In a box, a body having side and end flaps swingingly arranged and overlapping each other to have the side flaps outermost and superimposed upon each other, the outermost side flap being permanently connected with and free of the other side flap at certain portions thereof, a weakening line between the permanent and free portions of said outermost side flap for permitting the separation thereof at the free portion on the tearing along the weakened line from the said other side flap, the innermost side flap being provided with spaced slits, and bendable tongues formed on the free portion of said outermost side flap for insertion in said slits on the separation of the free portion of said outermost side flap.

1,980,852
FENCE POST EXTENSION ARM
Rudolph Dandliker, Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 29, 1933, Serial No. 704,562
4 Claims. (Cl. 256—11)

1. In combination with an angular fence post, a vertically inclined extension arm provided with a base portion having a plurality of contact surfaces, a continuous groove in said base portion, a continuous clamping member enclosing said fence post and the base of said extension arm, and a



screw associated with said clamping member and adapted to seat in said continuous groove.

1,980,853
CONTAINER CAP CONSTRUCTION
George E. Dietze, Pittsburgh, Pa.
Application June 14, 1933, Serial No. 675,735
10 Claims. (Cl. 221—60)

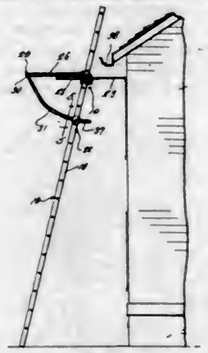


1. A container cap construction comprising a lower portion associated with the container and a cap-portion proper, said cap-portion proper being swingable in either direction between a position opening said container and a position closing said container, said portions being provided with one set of interengaging means to releasably hold them in container-closing position and with an additional set of interengaging means to releasably hold them in container-opening position.

1,980,854
SCAFFOLD BRACKET
Louis Charles Eberle, Roselle Park, N. J.
Application September 26, 1933, Serial No. 691,039
4 Claims. (Cl. 304—11)

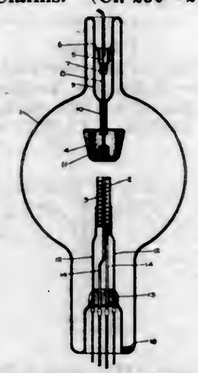
1. A scaffold bracket for attachment to the side of a ladder comprising a clamp adapted to be secured to one side of the ladder, a second clamp adapted to be secured to the same side of the ladder below the first named clamp, each of said clamps having a sleeve at one side thereof, a supporting arm having an end slidably engaged with the sleeve of the first clamp, interengaging means on said supporting arm and the sleeve for securing the supporting arm at the desired adjustment, a scaffold board supporting arm pivoted at one end to one side of the first named clamp, an arcuate brace bar for said supporting arm pivoted at one

end to the free end of the supporting arm, said brace bar having a free end extending through the sleeve of the second named clamp, and inter-



engaging means on said brace bar and the second named clamp for securing the supporting arm at the desired adjustment.

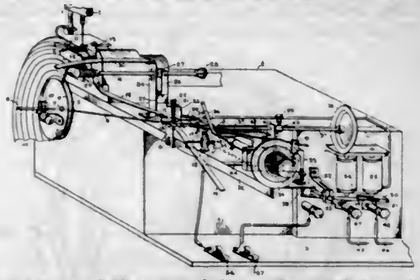
1,980,855
ELECTRIC DISCHARGE DEVICE
Frank R. Elder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 28, 1929, Serial No. 335,406
3 Claims. (Cl. 250—27.5)



1. An electric discharge device including an evacuated vessel, a cathode and an anode enclosed within said vessel, said anode being formed into a substantially equipotential gradient surface with respect to said cathode and forming an electrostatically shielded space in said vessel, a support for said anode including an insulated metallic rod sealed into said evacuated vessel and joined to said anode at a point within said shielded space, and a sleeve surrounding said seal and extended to have its opening within said shielded space.

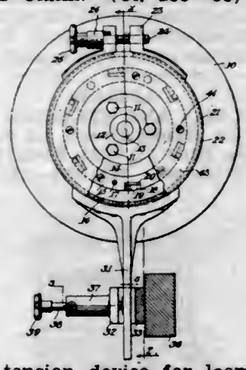
1,980,856
MACHINE FOR FORMING FABRICATIONS FROM STRIP MATERIAL
Harry Fuchs, Brooklyn, N. Y.
Application February 26, 1930, Serial No. 431,393
25 Claims. (Cl. 112—23)

1. In an invention for making fabrications of strip material, in combination with a power driven device for joining strip material, means movable to and from the joining device, adapted to hold an apex for spiral joinder of successive sections of strip material, said holding means adapted to move away from the point of joinder as the size of fabrication increases, and means for turning the holding means and the fabrication to a dif-



ferent plane at the completion of a predetermined size.

1,980,857
LET-OFF TENSION DEVICE FOR CLOTH WEAVING MACHINES
Robert A. Gelette, New Bedford, and Joseph R. Cosgrove, North Dartmouth, Mass.
Application August 4, 1933, Serial No. 683,700
1 Claim. (Cl. 188—83)

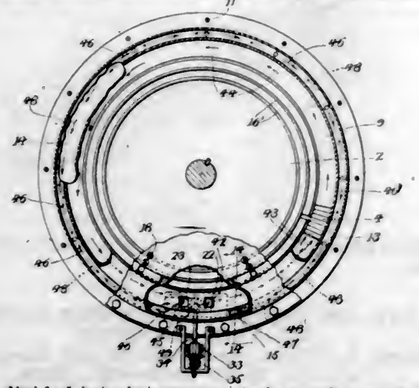


A let-off tension device for looms, comprising a circular casting formed with a central hub for an axle of a loom beam, the said beam being fastened to the casting, a mounting flange formed on the casting concentrically of said hub, an overrun clutch including outer and inner rings, said inner ring being made fast to the mounting flange and having at intervals wedge-shaped recesses, floating clutch rollers within said recesses for frictional engagement with the outer ring, a split brake band encircling the outer ring and having a brake lining for frictional engagement therewith, adjusting screw ears carried by the band at opposite sides of its split, an adjusting screw swiveled in one ear and threaded in the other ear, a bracketed arm carried by said band diametrically opposite the split therein, an adjustable jaw carried by the frame of the loom and receiving the bracketed arm, a barrel extension on said jaw, an adjusting screw threaded therein, and a spring tensioned contact within the barrel and operated upon by the last-named adjusting screw to have the contact engage with said bracketed arm.

1,980,858
ROTARY STEAM ENGINE
Russell P. Glenn, Abilene, Tex.
Application September 11, 1933, Serial No. 688,968
5 Claims. (Cl. 121—76)

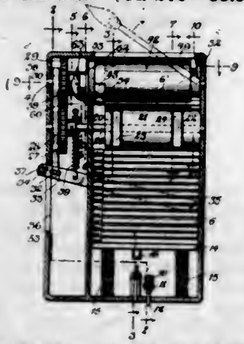
4. A rotary steam engine comprising a rotor, a piston attached to the periphery thereof, an annular piston chamber, means to open and close the passageway in said chamber at predetermined positions of said piston, a steam inlet to said

piston chamber, means to close and open said steam inlet at predetermined positions of said piston, a steam exhaust from said piston chamber, a steam jacket surrounding said piston chamber



and divided into interconnected annular sections, and means whereby steam exhausted from said piston chamber is caused to circulate successively in opposite directions through the respective annular sections of said steam jacket.

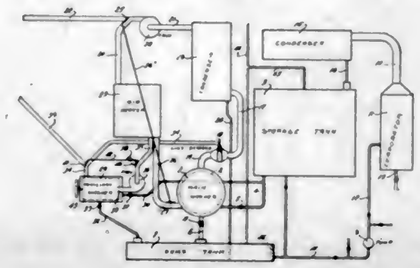
1,980,859
MATCH BOX AND STRIKING DEVICE
Friedrich Hanns Greve, La Salle, Ill.
Application June 12, 1934, Serial No. 730,323
6 Claims. (Cl. 206—33.5)



1. A cigar lighter of the character described, comprising a casing, means forming the casing and a magazine for the reception of matches, a follower arranged at one end of the magazine, springs acting on the follower to cause the same to press the matches and feed the same towards one end of the casing, a grooved cylinder positioned to receive one match at a time, means for rotating said cylinder part of a revolution, said casing having an opening at the end carrying the cylinder, means coacting with the cylinder and engaging one end of a match carried thereby for swinging the match so that one end will protrude through said opening, and means for abrading the head of the match immediately before it is swung through said opening.

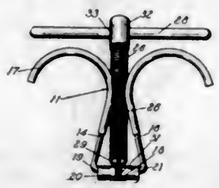
1,980,860
GARMENT TREATING MACHINE
Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application October 29, 1931, Serial No. 571,838
3 Claims. (Cl. 68—38)

1. A dry cleaning apparatus comprising a main circuit including a main washer, a condenser, a fan and an air heater in series in the order named, an auxiliary circuit including an auxiliary washer and another fan in series, said auxiliary washer being connected to said main circuit between said main washer and said condenser, and said other fan being connected thereto at the discharge side of said air heater, an air inlet on the intake side of said main washer



and an air outlet on the discharge side of said first named fan, deodorizing valves in said main circuit controlling said air inlet and air outlet, one of said valves being common to both of said circuits, an air inlet and an air outlet in said auxiliary circuit on either side of said auxiliary washer and fan, and deodorizing valves in said auxiliary circuit controlling the air inlet and outlet in said circuit.

1,980,861
EXERCISING APPARATUS
Theodore A. Hunter, Yonkers, N. Y.
Application March 9, 1933, Serial No. 660,182
11 Claims. (Cl. 272—83)

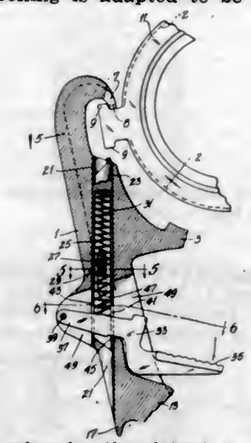


1. A device for exercising the muscles comprising a stirrup member engageable wholly beneath the feet of a user, a helical spring connected to said stirrup member at one end and detachably connected to a handle at its free end to be grasped by the user, and a guard encircling said spring at said handle.

1,980,862
WRENCH
Charles K. Huthsing, Clayton, Mo.
Application January 31, 1934, Serial No. 709,066
4 Claims. (Cl. 81—90)

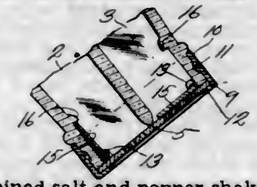
1. In a wrench, a body having a claw at one end, a pistol grip at the other end, a fulcrum located between said claw and said grip, said body having a barrel oppositely located with respect to said claw, a trigger operable from said hand on said grip, means for pivoting said trigger above said barrel, a hollow detent in said barrel, said detent having at least one slot therein, a pin passing through said body and said slot and adapted to hold said detent prisoner, a spring reacting between said last-named pin and the forward end of said detent to normally press the detent toward said claw, said detent having an opening

for accommodating said trigger, the rear portion of which opening is adapted to be engaged by



said trigger whereby the detent is operable by the trigger.

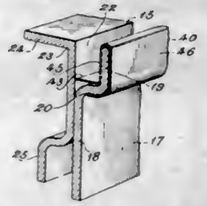
1,980,863
CONDIMENT HOLDER
John Oliver Clifton Ingold, Havana, Kans.
Application July 11, 1934, Serial No. 734,659
3 Claims. (Cl. 65—45)



2. A combined salt and pepper shaker comprising a body member having adjacent chambers discharging through an open end of the body member, inner and outer walls carried by said chambers, a perforated cover mounted on the open end of said body member and having discharge perforations registering with the chambers, hinged closures carried by the cover and hinged thereto adjacent the outer sides thereof and within the chambers, said closures being hingedly connected to the cover in positions whereby when the shaker is placed in an inverted inclined position one of said closures will swing inwardly and downwardly into engagement with the outer wall of the lowered chamber and the other closure will hinge downwardly and outwardly into engagement with the cover closing the perforations therein, said cover comprising a foraminous disc to which the hinged closures are connected, said disc engaging the discharge end of the body and the inside of the cover, and said cover further comprises a flanged member surrounding the discharge end of the body member and having a flange overlying the outer side of the disc.

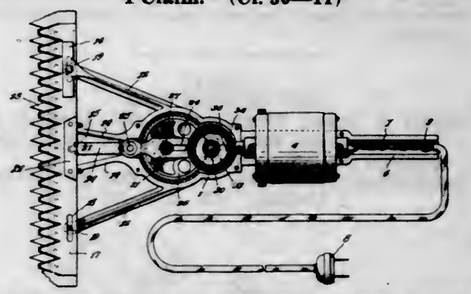
1,980,864
METAL SASH PROTECTION
Alfred V. Johnson, New York, N. Y.
Application March 23, 1934, Serial No. 717,047
5 Claims. (Cl. 189—64)

1. A metal window sash comprising a frame including a bottom bar having outer and inner wall portions forming a groove to receive the edge portion of a pane of glass, and including side stiles and a top bar adapted to retain respective edges of such a pane of glass, a rest and protector member of resilient sheet metal comprising a rest flange extending from the said outer wall across the groove in spaced relation to the bottom of the groove, a protector wall portion integral with said flange and extending upwardly beside the outer



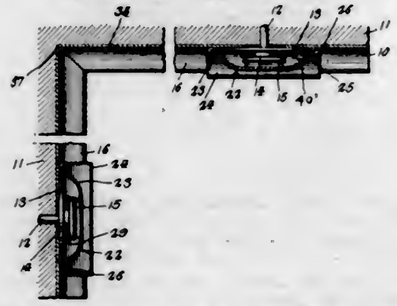
wall of the bar, and an apron integral with said protector wall and extending outwardly and downwardly over the said outer wall of the bar whereby a pane of glass may be resiliently supported in the groove and the groove parts protected from damage by corrosion.

1,980,865
HEDGE TRIMMER
Robert T. Kauffman, Harrisburg, Pa.
Application September 11, 1933, Serial No. 689,025
1 Claim. (Cl. 30—11)



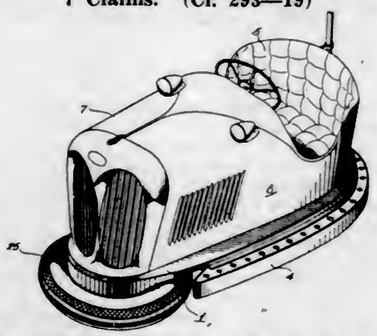
A hedge trimmer comprising a frame having forwardly diverging arms and provided in its upper side between the rear ends of said arms with a chamber, there being an opening at the rear of said chamber extending through the entire height of the frame, a cover over said chamber extending to the front end of the frame and provided in its underside with a chamber registering with the chamber in the frame, a fulcrum pin engaged in the frame and the cover at the front of said chamber, a stationary cutter secured upon the front end of the frame, a movable cutter resting upon the stationary cutter and provided centrally with a socket in its rear edge, guide and stop members carried by the front ends of the diverging arms and engaging the movable cutter a lever fulcrumed between its ends upon the fulcrum pin and having its front end engaged in the socket in the movable cutter and its rear end provided with a longitudinal slot, a gear wheel in the chamber in the frame under the rear end of the lever, an eccentric wrist pin on said gear wheel engaging the longitudinal slot in the lever, an electric motor mounted upon the frame with its shaft extending longitudinally of the frame and journaled between the cover and the frame, the front end of the motor abutting the cover and its lower portion projecting into the opening extending through the frame, a vertical shaft having its ends journaled in the cover and the frame respectively, gearing connecting said vertical shaft with the motor shaft, and a pinion upon said vertical shaft meshing with the gear in the chamber in the frame.

1,980,866
WALL COVERING
Harold B. Little and Kenneth C. Miller, Baltimore, Md., assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md.
Application June 23, 1932, Serial No. 618,993
4 Claims. (Cl. 189—86)



3. In combination, a pair of spaced wall plates, a channel-like cover member straddling the space between said plates, securing means including spaced flange portions, means to secure said securing means to a wall behind the channel member, and a clip fixed to the under side of the channel member and having a rearwardly offset lower end engaged between the said spaced flange portions.

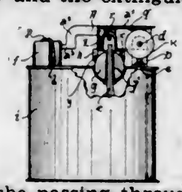
1,980,867
AMUSEMENT CAR
Robert J. Lusse, Philadelphia, Pa., assignor to Lusse Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1933, Serial No. 693,869
7 Claims. (Cl. 293—19)



1. In a vehicle having at one end thereof a swivel wheel for controlling the direction of travel of said vehicle, a second wheel rotatably mounted about said swivel wheel and having its axis of rotation coincident with the swivel axis of said first wheel, and an annular cushion member mounted on said second wheel and having its periphery extending beyond the vehicle.

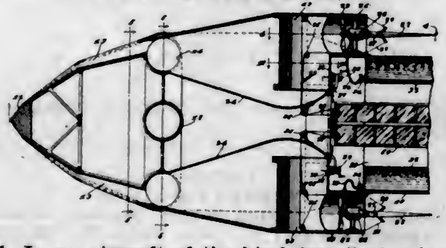
1,980,868
FRICTION LIGHTER
Carl Maltner, Offenbach-on-the-Main, Germany
Application September 21, 1933, Serial No. 690,381
In Germany September 21, 1932
2 Claims. (Cl. 67—7.1)

1. A friction lighter comprising a fuel container, an upward flinging arm carrying an extinguisher cap, a wick holder partly let into the top wall of the container and formed as a ball of hardened material, a ball-shaped seal between the wick holder and the extinguisher cap, and a



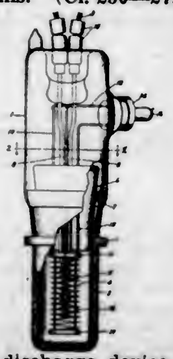
wick-guiding tube passing through the ball and holding the ball in position.

1,980,869
AIRCRAFT CONSTRUCTION
Edgar L. Matlock, El Paso, Tex.
Application December 26, 1933, Serial No. 703,994
6 Claims. (Cl. 244—18)



1. In an aircraft of the kind described, a body having a forwardly tapered nose and a contracted circular tail end, said nose concentrically thereof being provided with a series of spaced forwardly converging air channels, annular air tubes internally of the body, one of the air tubes being in communication with the air channels at one side of the vertical center of the nose and the other air tube with the other air channels at the other side of the vertical center of the nose, turning air turrets at the top and bottom of the body and each having a rearwardly extending cylinder, funnels between the said turrets and said air tubes, motor driven propellers fitted within said cylinders, a rudder arranged at the rear end of said body, lifting wings supported by said cylinders for vertical swinging movement, and means for turning the turrets.

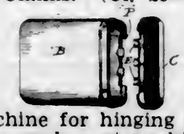
1,980,870
ELECTRIC DISCHARGE APPARATUS
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 21, 1931, Serial No. 539,038
4 Claims. (Cl. 250—27.5)



1. An electron discharge device of the power type for translating frequencies of the order of a few meters, said device comprising an envelope

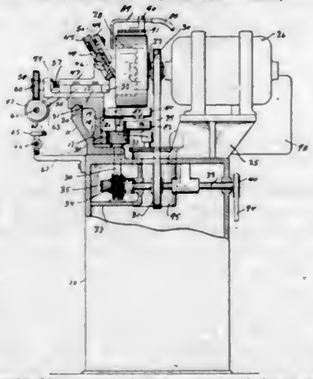
formed partly of glass and partly of metal, the metal portion constituting the anode of the device, said envelope containing a cathode and a control member, a leading-in conductor for said cathode extending through the glass portion of the envelope, a terminal for said control member secured to the glass portion of the envelope, said terminal positioned intermediate the anode and the position where the cathode leading-in conductor extends through the envelope, an integral conductor secured directly to the control member and terminating at said terminal.

1,980,871
METHOD OF AND MACHINE FOR COMBINING BOX PARTS
Moses Willett, Baltimore, Md., assignor to Federal Tin Company, Inc., Baltimore, Md., a corporation
Application June 25, 1926, Serial No. 118,608
Renewed July 15, 1933
8 Claims. (Cl. 29—11)



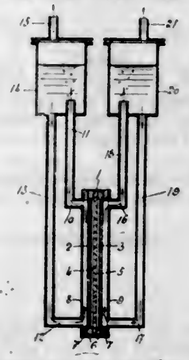
1. In a machine for hinging body and cover parts having complementary hinging members one of which is a lug, and the other a pintle, means for supplying the cover parts comprising a vertical chute, a member reciprocating with reference to the discharge opening of the chute, spring actuated opposing cover engaging fingers carried by said member, and means to expel a cover from the chute into the grip of said fingers when opposite the discharge opening of the chute.

1,980,872
APPARATUS FOR GRINDING
Arthur F. Moul, Buffalo, N. Y., assignor to Samuel C. Rogers & Company, Buffalo, N. Y., a corporation of New York
Application August 4, 1933, Serial No. 683,617
4 Claims. (Cl. 51—122)



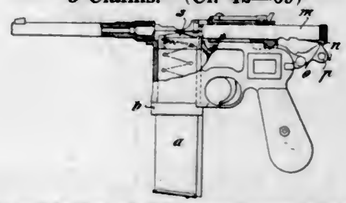
1. A grinding machine comprising a housing, a bed carried by the housing, a carriage slidably mounted upon the bed, a knife support mounted upon the carriage, a motor carried by the housing and arranged opposite the knife support, means connecting the motor with the carriage for reciprocating the same, a grinding wheel carried by the motor, the working face of said grinding wheel being arranged at such an angle with respect to the knife edge that only a segmental portion of its working face at one side of a vertical plane passing through the axis of the wheel is brought into grinding engagement with such edge at any one time, and means actuated at the end of each stroke of the carriage for causing the wheel to grind the full length of the bevel of the knife toward its cutting edge and then to grind the full length of the bevel away from its cutting edge.

1,980,873
ELECTROLYZER AND ELECTRIC ACCUMULATOR
Hans Niederreither, Munich, Germany
Application March 24, 1933, Serial No. 662,552
In Germany March 23, 1932
4 Claims. (Cl. 204—5)



1. In a unitary apparatus for the electrolytic production of gases and for the accumulation of electric energy, a pair of metal electrodes of opposite polarity and electro-chemically unstable materials associated with said electrodes forming opposite electrodes of an accumulator cell and also serving to generate gases on passage of current through the cell, a diaphragm separating said electrodes, a casing surrounding said electrodes and said diaphragm, said diaphragm dividing said casing into two closed chambers for receiving an electrolyte, said casing being spaced from said electrodes to permit free circulation of the produced gases and electrolyte, means in each of said chambers to provide egress for gases generated in said chambers, and electrical connectors for said electrodes.

1,980,874
QUICK-FIRING PISTOL
Josef Nickl, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany
Application November 17, 1931, Serial No. 575,618
In Germany November 25, 1930
3 Claims. (Cl. 42—69)



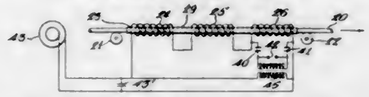
3. A quick fire pistol comprising a hammer, a breech bolt, a magazine fillable by successive insertion of a plurality of cartridge strips, a magazine plate movable to block return of the breech bolt to closure only when the last cartridge in the magazine is fired and restored to non-blocking position upon insertion of a cartridge strip, and co-operating locking means on said hammer and breech bolt comprising a rounded corner on the hammer extending in an over-cocked position of the same into the path of a projection on the breech bolt having an oblique on-run sur-

face for said corner and a rounded shoulder, the position of such co-operation of the hammer and projection with respect to the to and fro travel of the breech bolt being such that during firing the breech bolt will have gained enough impetus in its forward travel to overrun the cocked hammer when the projection encounters the corner thereof but when moving forward and blocked by the magazine plate the breech bolt will be automatically held by engagement of the corner of the hammer with said projection, and in a position permitting insertion of the cartridge strip.

1,980,875
ELECTRIC INDUCTION FURNACE

Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J., a corporation of New Jersey

Application January 1, 1930, Serial No. 417,835
32 Claims. (Cl. 219—13)



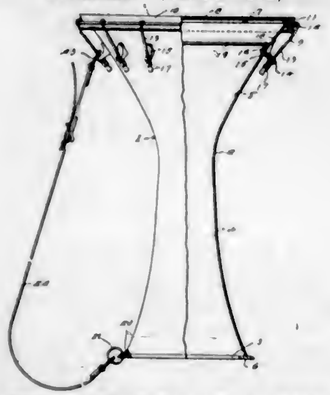
1. The method of heat-treating travelling solid stock, which consists in surrounding solid stock of substantial length and uniform cross section by electrically conducting solid material, in progressing solid stock through the surrounding material while keeping it in contact with the material and in electromagnetically heating the surrounding conducting material while the stock is passing through it.

9. The method of heating travelling stock electromagnetically, which consists in providing fixed magnetic material in thermally conductive relation to the stock, in electromagnetically raising the temperature of the fixed material and the stock to approximately the decalescence point of the fixed material by relatively low frequency current, and in raising the temperature of the fixed material and stock to the desired higher temperature below the melting point by higher frequency induction.

1,980,876
DRUM

Peter G. Peters, Bakersfield, Calif.

Application November 11, 1933, Serial No. 697,657
4 Claims. (Cl. 84—411)

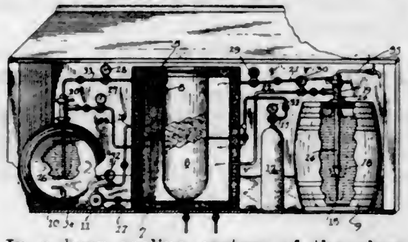


1. A drum, comprising an elongated hollow metal body open at each end and constricted intermediate its ends, said body being of circular cross section and having one end substantially bell-shaped and of greater diameter than the other end, and a membrane stretched across the mouth of said bell-shaped end.

1,980,877
BEER REGULATING AND COOLING APPARATUS

George Putz, San Francisco, Calif.

Application April 23, 1934, Serial No. 722,031
4 Claims. (Cl. 225—1)

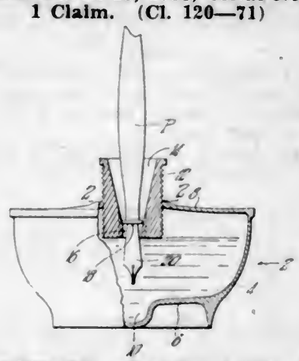


1. In a beer cooling system of the class described, containers for holding bulk beer, a cooling chamber arranged between said containers, a cold air circulating system entering said containers, and pump means for maintaining a constant predetermined air pressure adapted to be circulated through the beer in said containers.

1,980,878
CONTAINER FOR DISPENSING FLUID SUBSTANCES

Archie D. Robinson, Westfield, Mass.

Application March 18, 1933, Serial No. 661,498
1 Claim. (Cl. 120—71)



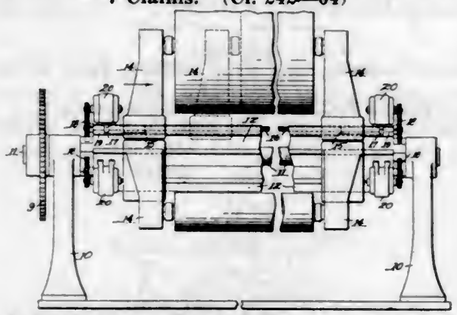
The combination of a pen-holder having a shoulder of a certain diameter around its lower end and a pen-point extending therefrom which is of less diameter at its widest part than said shoulder with a container for writing fluid comprising, a receptacle having an upper wall provided with a central aperture therethrough and a socket member screw-threaded in said aperture including an upper main body portion of a certain outside diameter and a lower hub portion extending downwardly from said body portion having an outside diameter less than that of said body portion, said socket member being provided with a vertical bore therethrough having continuously converging sides to form a downwardly tapering guideway and a lower restricted opening at the lower side of said hub portion which is of less diameter than said shoulder of the pen-holder and slightly larger than that of said pen-point, all adapted and arranged whereby when said pen-holder is grasped in the hand and the pen-point inserted in said bore of the socket member at a substantial angle relative to the longitudinal axis thereof and released the pen-point passes through the said restricted

opening and the pen-holder assumes a vertical position wherein it is supported by said shoulder thereof only which seats against the converging sides of the bore and is held against tilting and out of contact with the bore by the pen-point which may engage said restricted opening and has its lower end portion projecting below said hub portion and said socket member may be adjusted up and down to submerge the lower end portion of the hub and lower end portion of the pen-point in writing fluid in said container.

1,980,879
PAPER ROLL STAND

Oscar Charles Roesen, Brooklyn, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application February 9, 1931, Serial No. 514,522
7 Claims. (Cl. 242—64)



1. In a paper roll stand, the combination of a rotary frame, pairs of arms for supporting a paper roll between them, said arms being supported by said frame and means mounted on said frame for moving said arms independently of each other.

1,980,880
MULTIFOCAL LENS

Henry M. E. Sachs, South Bend, Ind., assignor of one-half to Robert Malcom, Chicago, Ill.

Application May 9, 1932, Serial No. 610,088
3 Claims. (Cl. 88—54)



1. An optical lens comprising a major portion of a preselected index of refraction; a minor portion of a different index of refraction embedded in the major portion; and a third portion having an index of refraction different from the minor portion and embedded in the major portion in abutting relation with the perimeter of the minor portion, the juncture between the minor and third portions defining the arc of a circle, with the abutting perimeter of the third portion having an unpolished surface and said third portion at the lower edge of its perimeter abutting the minor portion being provided with a surface sloping from the minor portion and disposed in a plane beneath that of the adjacent part of the minor portion.

1,980,881
MANUFACTURE OF WATERLAID FIBROUS WEBS

Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

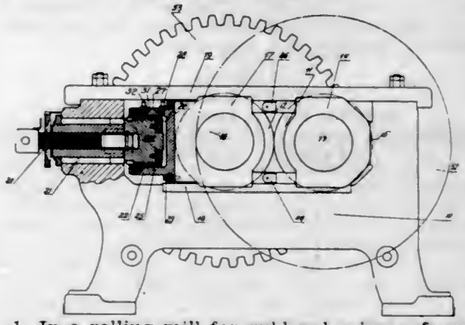
No Drawing. Application November 25, 1931, Serial No. 577,394
4 Claims. (Cl. 92—20)

1. A process of producing a soft, absorbent, uniformly textured, waterlaid web of interfelted fibers, which comprises subjecting a substantially dry mass of aggregated, preliberated, virgin cellulose pulp fibers to a mechanical disintegrating operation in the absence of water to produce substantially individualized pulp fibers, mixing such individualized pulp fibers with water to form a substantially uniform pulp suspension while keeping them in a practically unhydrated condition, and depositing the fibers in their substantially unhydrated conditon from the aqueous suspension as a waterlaid web of interfelted fibers.

1,980,882
HYDRAULIC PRESSURE DEVICE FOR ROLLING MILLS

Jacques Sée and Léon Huot, Paris, France, assignors of one-half to Etablissements Hutchinson, Paris, France, a corporation; and one-half to Le Materiel Special L. M. S., Paris, France, a corporation

Application October 1, 1932, Serial No. 635,873
In France October 14, 1931
2 Claims. (Cl. 18—2)

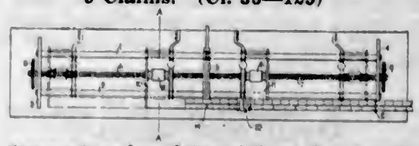


1. In a rolling mill for rubber having a frame supporting cooperating rolls, a pair of movable bearings for one of the rolls, a cylinder attached to each of these bearings, a piston fixedly attached to the frame and penetrating in each cylinder and forming at one extremity of the cylinder a principal chamber of the same section as the cylinder, a hydro-pneumatic device under the influence of a compressed elastic fluid for maintaining a liquid under pressure in said principal chamber.

1,980,883
DEVICE FOR MEASURING THE LENGTHS OF FIBERS OR FILAMENTS

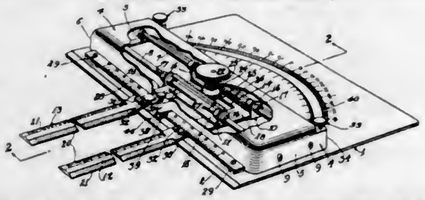
William Sever, Bramhope, near Leeds, England

Application October 6, 1932, Serial No. 636,592
In Great Britain October 6, 1931
9 Claims. (Cl. 33—125)



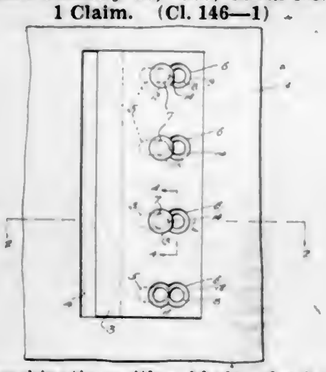
1. Apparatus for determining the length of filamentous articles comprising a frame, a firm-holding device on said frame for holding a filamentous article at a point intermediate of its ends, loose-holding devices having adjustable spring means for holding said filamentous article sufficiently firmly to permit straightening substantially without stretching but to allow slippage, said loose-holding devices being mounted on opposite sides of said firm-holding device, means for progressing said loose-holding devices away from said firm-holding device and means for ascertaining the distance apart of said loose-holding devices.

1,980,884
DRAFTING DEVICE
William E. Sidney, Pittsburgh, Pa.
Application April 19, 1930, Serial No. 445,653
7 Claims. (Cl. 33—110)



1. In a device of the character described, a base-plate including a protractor and a pivot-pin centrally of said protractor; a pair of parallel drafting-blades upon the base and movable toward and away from each other, and means to move said blades simultaneously toward and away from each other whereby lines radially disposed to said pivot-pin and lines parallel and symmetrically disposed to said radial lines may be drawn without shifting said base-plate.

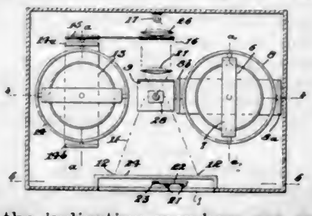
1,980,885
CHIPPER KNIFE
James F. Smith, Longview, Wash.
Application January 20, 1933, Serial No. 652,755
1 Claim. (Cl. 146—1)



The combination with a blade, of a holder for said blade, a slot in said holder, and a pair of openings in said blade adapted to register with said slot for accommodation of a blade-securing bolt, each of said holes being countersunk and being so relatively positioned that the said countersinks intersect, a recess at the juncture of said countersinks, and a bolt having a head fitting the countersunk holes and having on the head portion thereof a projecting lug adapted when the bolt is inserted in either of said openings to fit within said recess.

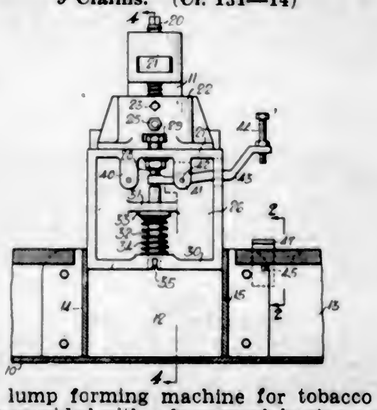
1,980,886
DEVICE INDICATING THE FLYING ATTITUDE OF AIRCRAFT
Rémi Talafré, Paris, and Henri Renault, La Garenne-Colombes, France
Application September 6, 1932, Serial No. 631,910
In France September 9, 1931
4 Claims. (Cl. 33—204)

1. A device for indicating the flying attitude of aircraft comprising indicating members responsive respectfully to longitudinal and lateral inclinations of the aircraft, an observation screen for receiving a beam of light, a suitable source of light, means controlled about a fore and aft axis by one of said indicating members for incorporating the image of an aircraft into said beam of light, and a moving reflecting element operatively connected with the other indicating member for projecting said beam of light upon the observation screen to control the position of said image up and down on said screen, whereby the indica-



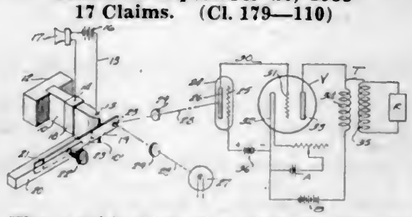
tions of the indicating members are synthesized into the image moving upon said screen in accordance with the lateral and longitudinal inclinations of the supporting aircraft.

1,980,887
ADJUSTABLE MOVABLE KNIFE FOR LUMP PRESSES
Henry P. Taylor, Winston-Salem, N. C.
Application December 8, 1933, Serial No. 701,499
9 Claims. (Cl. 131—14)



1. A lump forming machine for tobacco and the like provided with a framework having a compartment for receiving processed leaf tobacco, a movable plunger for applying pressure to the tobacco to form a lump, a knife mounted in the plunger and projecting from the face thereof which contacts the tobacco, spring means for forcing the knife away from the tobacco, and a lever mounted on the plunger and having a portion engaging the framework and another portion engaging the knife for moving the knife with relation to the plunger into engagement with the tobacco.

1,980,888
PIEZO-ELECTRIC TRANSMITTER AND RECORDER
Adolph A. Thomas, New York, N. Y.
Application September 22, 1928, Serial No. 307,749
Renewed September 26, 1933
17 Claims. (Cl. 179—110)

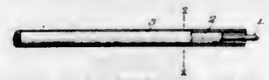


1. The combination of a piezo-electric crystal mounted for vibratory movement, a mirror supported independently of said crystal and vibrated by the movements thereof in predetermined transmission ratio, and manually operable means for varying said transmission ratio.

1,980,889
HEAT INSULATING MATERIAL
George Miller Thomson, Caledonia, Ontario, Canada
No Drawing. Application December 21, 1931, Serial No. 582,509. In Canada December 17, 1930
2 Claims. (Cl. 106—20)

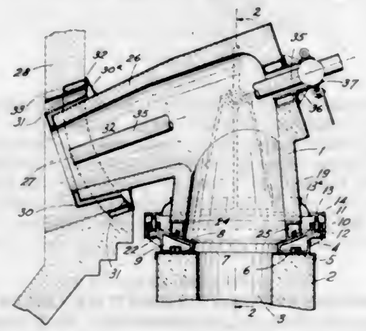
1. An article of manufacture consisting of a mass of ground gypsum wallboard having pieces of exfoliated vermiculite varying in size from one-eighth to one-half inch distributed throughout the mass.

1,980,890
READY-TO-SOLDER WIRE
George Tompkins, Wollaston, Mass., assignor of one-half to Burt M. McConnell, New York, N. Y.
Application January 5, 1934, Serial No. 705,412
1 Claim. (Cl. 29—182)



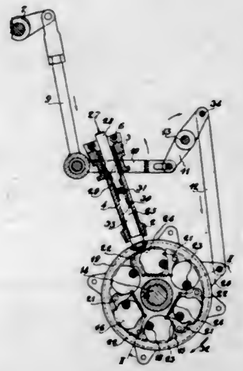
A device of the character described, including a tubular wire of solder, flux enclosed in the tube of solder, and a conductor located in the flux.

1,980,891
FIRING PORT
Paul B. Tonnar, Cleveland, Ohio
Application August 8, 1932, Serial No. 627,922
6 Claims. (Cl. 263—15)



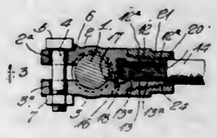
1. In a metallurgical furnace, in combination, an air flue, a furnace wall having an aperture therein, a hollow body member for projecting preheated air from said flue into the furnace having a nose portion which is encompassed by the wall of the aperture, said body member being given a tiltable and rotatable mounting whereby said nose portion maybe adjusted at varying angles relative to said aperture, and means extended through said hollow body member and terminating near the discharge end thereof for projecting liquid fuel through said nose portion into the furnace, said fuel-projecting means being adjustable at varying angles within the confines of said nose portion.

1,980,892
MACHINE FOR TIMING TIME FUSES FOR ARTILLERY PROJECTILES
André Varaud, Geneva, Switzerland
Application June 15, 1934, Serial No. 730,825
In Switzerland May 3, 1933
20 Claims. (Cl. 86—23)



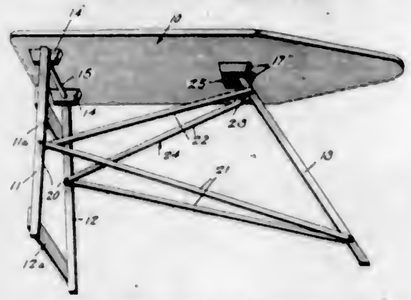
1. Mechanism for timing fuses for artillery projectiles, comprising a driving member, a second member for locking and coupling the projectile in the timing machine, a third member for effecting the timing, said driving member being rotary and concentric with said second and said third member, means operable upon a rotary movement of the driving member in one direction to effect first the locking and coupling of the projectile and then its timing, and in the other direction first the unlocking and the uncoupling of the projectile and then the return of the timing members to zero, a timing shaft, locking means allowing the displacement of said timing shaft only in one desired direction to produce the timing of the fuse, an adjustable abutment regulating the duration of this timing and means for reversing the locking means to allow said timing shaft to return it to its starting point.

1,980,893
CABLE CONNECTER FOR STORAGE BATTERIES
Albert H. Walde, Roxborough, Pa., assignor of one-third to Frank T. Ray and one-third to Charles C. Williams, both of Philadelphia, Pa.
Application May 11, 1932, Serial No. 610,639
5 Claims. (Cl. 173—259)



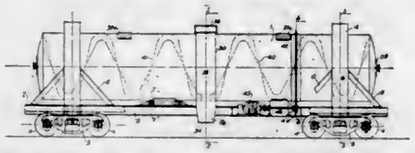
1. In a cable connecter for storage batteries, a pair of connecting members adapted to engage opposite sides of a connecting cable and opposite sides of a storage battery post, a plate extending laterally of said connecting members for isolating the end of the connecting cable from the sections of the terminal gripping the storage battery post, and means engageable with said pair of connecting members for moving the connecting members into engagement with the end of said cable.

1,980,894
IRONING TABLE
Harlan B. White, Bogalusa, La., assignor to White Wood Products Company, Bogalusa, La.
Application August 29, 1934, Serial No. 741,973
1 Claim. (Cl. 68—10)



A collapsible ironing board including a board proper, a pair of rear legs pivotally connected to the under side of the board adjacent one end, a single leg pivotally connected to the under side of the board, lower brace rods pivotally connected to the pair of legs and to the single leg, upper brace rods each having an end pivoted to the rear legs, a pin connecting the free ends of the upper rods and a spring clip secured to the rear face of the single leg, said clip including a pocket adapted to receive said pin, and including a nose extending from said pocket and adapted to be engaged by the pin to raise the clip whereby to permit the pin to enter the pocket for holding the movable parts in position.

1,980,895
CAR
Charles E. Windecker, Painesville, Ohio
Application April 25, 1932, Serial No. 607,293
17 Claims. (Cl. 105—271)

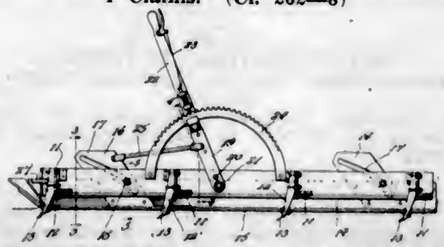


1. A car for transporting dry granular and pulverized materials comprising in combination, an elongated, weather-tight compartment mounted with its major dimension horizontal and longitudinal, a single hopper midway of the compartment, and conveyor means inside said compartment adapted when moved in one direction to move material away from said hopper and when moved in the opposite direction to move the material toward said hopper.

1,980,896
PROCESS OF CLARIFYING CHLORINATED SOLUTIONS
Clifton N. Windecker, Painesville, Ohio
No Drawing. Application July 7, 1932, Serial No. 621,312
4 Claims. (Cl. 210—2)

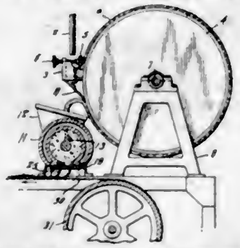
1. The process of sewage disposal, which comprises treating sewage with chlorine and removing solids, and subsequently treating the separated effluent by neutralizing acid products therein and producing a flocculent precipitate entraining finely divided suspended particles.

1,980,897
ROAD MACHINE
Willie Ernest Winings, Arthur, Ill.
Application January 30, 1933, Serial No. 654,336
4 Claims. (Cl. 262—8)



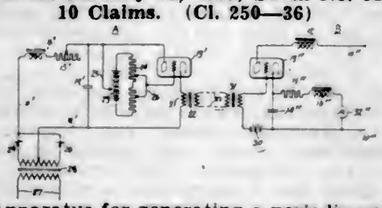
1. A road machine including a scarifier frame, ground breaking elements carried thereby, runners, guide plates carried by the runners and provided with downwardly and rearwardly extending cam slots, elements carried by and projecting from the frame and slidably engaging in said slots, rigidly connected levers swingingly mounted upon the sides of the frame to swing in unison, and links connecting said levers and respectively adjacent guide plates whereby the levers may be swung for raising and lowering the frame relative to the runners.

1,980,898
METHOD AND APPARATUS FOR RAPIDLY DRYING GELATINOUS MATERIAL
David Abernethy, Omaha, Nebr.
Application September 29, 1931, Serial No. 565,888
12 Claims. (Cl. 34—24)



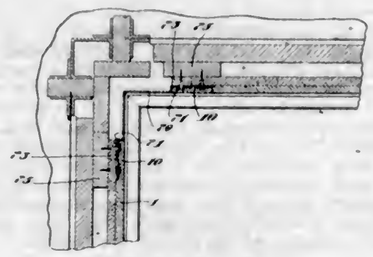
1. A method of rapidly drying gelatinous material comprising intimately mixing the material, compressing such mix and extruding the same into a zone of reduced pressure whereby the glue is formed into bodies having transverse fissures and of a high surface-volume ratio, and exposing them to a drying atmosphere.

1,980,899
ALTERNATING CURRENT GENERATOR
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 28, 1931, Serial No. 511,915
10 Claims. (Cl. 250—36)



1. Apparatus for generating a periodic current comprising a source of current, a capacitor, a circuit for charging said capacitor from said source of current, a discharging circuit for said capacitor, one of said circuits being oscillatory and including in series relation an electric valve, and the other being non-oscillatory and including a relatively high resistance, and means for maintaining said valve non-conducting during the flow of capacitor current in the non-oscillatory circuit.

1,980,900
BUILDING CONSTRUCTION
Albert F. Bemis, Newton, Mass., assignor to Bemis Industries, Incorporated, Boston, Mass., a corporation of Delaware
Application February 19, 1931, Serial No. 516,894
22 Claims. (Cl. 72—16)



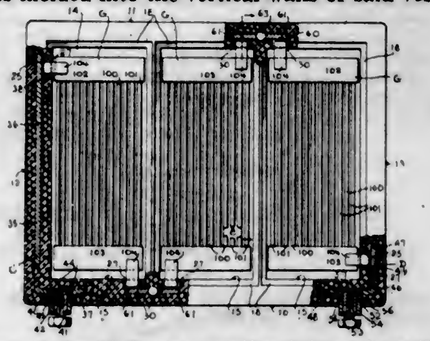
1. A building construction comprising frame members, panel members defining the face of a wall, the end portions of each of said panel members being rabbeted to provide grooves on the outer face of the wall portion, key panels disposed in said grooves, and interlocking fastening means detachably securing said panel members and key panels in assembled relation to the frame members, said means being shaped to provide hook-like connections disposed so that the panels may be detached from the wall by sliding the key panels longitudinally in their grooves.

1,980,901
RESOLUTION OF MIXTURES OF PHENOLS INTO THEIR COMPONENTS
William Henry Bentley, Wallasey, and Benjamin Catlow, Oswaldtwistle, England, assignors to William Blythe & Company Limited, Church, England, a British company
No Drawing. Application February 13, 1932, Serial No. 592,842. In Great Britain February 24, 1931
20 Claims. (Cl. 260—154)

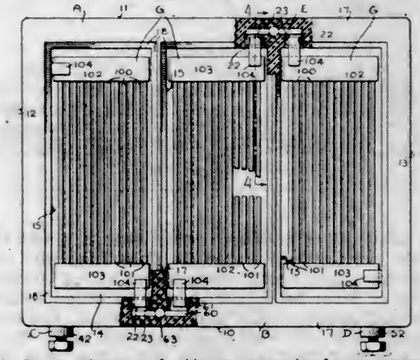
1. Process for the separation of the components of a mixture of phenols which includes causing at least one of said components to undergo double compound formation with an aromatic amine containing at least one basic amino group and thereafter separating the resulting compounds by virtue of their difference in physical properties.

1,980,902
STORAGE BATTERY RECEPTACLE
William G. Blake, Savannah, Ga.
Application June 6, 1932, Serial No. 615,743
3 Claims. (Cl. 136—135)

1. In a storage battery receptacle, a vessel of electrical energy insulating material provided with a pair of spaced apart recesses in the vertical walls thereof opening into the interior of said vessel, and a pair of spaced apart terminal elements molded into the vertical walls of said vessel provided with lugs projecting into and partly filling said recesses.



1,980,903
STORAGE BATTERY ELEMENT
William G. Blake, Savannah, Ga.
Original application June 6, 1932, Serial No. 615,743. Divided and this application March 22, 1933, Serial No. 662,174
3 Claims. (Cl. 136—134)

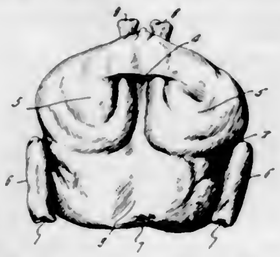


1. In a storage battery receptacle, a vessel of electrical energy insulating material provided with a partition wall, whereby a pair of cells are provided, each cell being adapted to house a pair of elements, each element comprising a group of positive and negative plates, said vessel also provided with a pair of spaced apart recesses in an outer wall thereof, one recess opening into the interior of said vessel to each side of said partition wall, said recesses having horizontal ledges and having sloping rear walls extending downwardly and away from the interior of said vessel, and an electrical current conducting element moulded into said vessel adjacent said recesses, said element provided with a pair of horizontally extending lugs resting upon said ledges, said lugs spaced from said sloping rear walls and extended to each side of said partition wall.

1,980,904
DRAWN AND DRESSED POULTRY OR FOWL
Otto C. Botz, Jefferson City, Mo.
Application July 1, 1931, Serial No. 548,249
3 Claims. (Cl. 17—11)

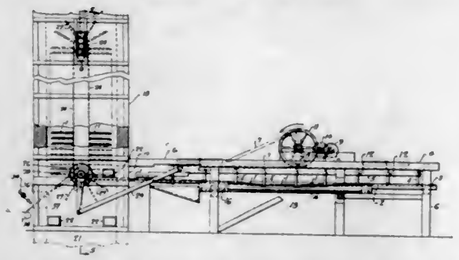
3. A drawn and dressed fowl, having the backbone removed and its body stretched apart so that the entire fowl lies in a flattened position and in approximately the same horizontal plane, having the legs folded over a portion of the breast with

the lower part of the legs projecting through a slit provided below the lower extremity of the



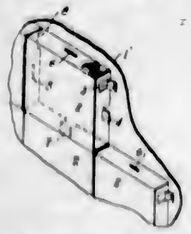
breastbone, and having the wings pressed close to the sides of the fowl.

1,980,905
METHOD OF COLORING SHEET MATERIALS
Harry Theodore Brodersen, Pittsburg, Calif., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 13, 1930, Serial No. 452,109
4 Claims. (Cl. 91—70)



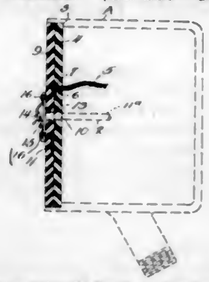
1. Method of coloring cementitious sheet materials containing water soluble alkaline constituents which comprises the step of treating the same after setting with a solution containing a decomposable compound of a metal, the oxide or hydroxide of which is insoluble and of the desired color, subjecting the wet sheet to a high temperature to decompose said compound and form said oxide or hydroxide, subsequently drying and thereafter rinsing the thus treated surface.

1,980,906
METAL TILING
Alfred C. Bretland, Troy, Ohio, assignor of one-half to Baird Broomhall, Troy, Ohio
Application January 12, 1933, Serial No. 651,268
4 Claims. (Cl. 189—85)



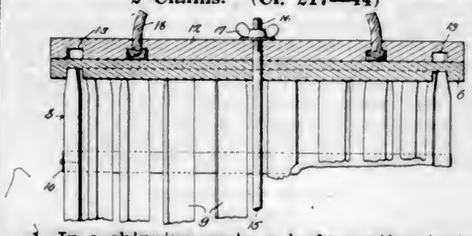
1. The combination with a foundation sheet, of a plurality of metal pan tiles welded to said sheet to form a tiled covering for the latter, and means for interlocking said tiles together to conceal the welds.

1,980,907
MOTOR SPEED INDICATING AND CONTROL DEVICE
John F. Byrd, College Park, Ga.
Application April 10, 1933, Serial No. 665,456
3 Claims. (Cl. 200—56)



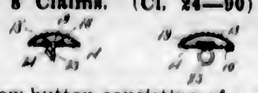
1. A circuit control device including an indicating pointer, and a fixed insulated dial bearing suitable graduations on its face, a stationary contact carried by the dial, a rotatable transparent insulated disc mounted in superimposed relation with respect to said dial, said disk being formed with a seat in which is positioned a movable ring contact for continuous engagement with said stationary contact irrespective of the movement of said disc, and means connected to said ring contact engageable with said pointer, whereby closing of the circuit is effected.

1,980,908
CRATE
Evan Dhu Cameron, Paris, Tex., assignor of one-half to Paul Cameron, Paris, Tex.
Application April 10, 1933, Serial No. 665,455
2 Claims. (Cl. 217—44)



1. In a shipping crate, a body portion including a plurality of slats held together in circular formation, a bottom member and a top member, the top member including a removable transverse bar having grooves in which the ends of certain of the slats are held, securing the body portion in its circular formation when the top is removed and exposing the contents of the crate, and a handle secured to the transverse bar.

1,980,909
BUTTON
Albert Anthony Cavicchi, Arlington, Mass.
Application October 6, 1932, Serial No. 636,551
8 Claims. (Cl. 24—90)

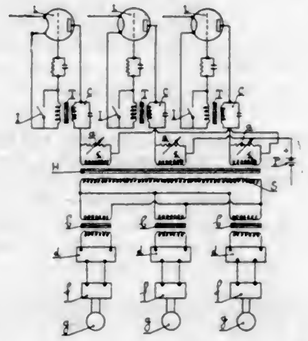


1. A hollow button consisting of a circular concave-convex front portion joined to a circular flat portion, a lug formed on the edge of the front portion opposite where it is joined to the back portion, a hole in the back portion to receive a shank and parallel projections formed on either side of the hole, the back portion being folded upon the concave face of the front portion and secured in such position by a lug.

1,980,910
PYROTECHNIC DEVICE
Herbert Clauser, Elkton, Md.
No Drawing. Application November 8, 1930, Serial No. 494,452
8 Claims. (Cl. 52—23)

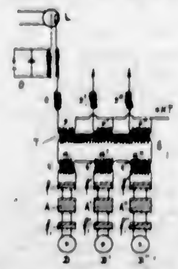
1. A firework adapted to be ignited by abrasion and to burn slowly with intermittent detonations including in combination, an oxidizing agent, a compound of phosphorous and an element of the sulphur selenium group and having a melting point above its ignition point, and sufficient free phosphorous to reduce the said melting point below the ignition point.

1,980,911
ELECTRIC ORGAN AND METHOD OF ELECTRICALLY PRODUCING TONES
Edouard Eloi Coupleux and Joseph Armand Givelet, Lille, France
Application October 15, 1932, Serial No. 638,032
In France October 16, 1931
17 Claims. (Cl. 84—1)



1. In an electric organ, an electron valve, a coil in the grid circuit of the valve, a coil in the plate circuit of the valve, said coils being in inductive relation, a connector shunted on the grid coil normally short-circuiting the same thereby rendering the valve inoperative, and means acting upon said connector to break the short-circuit of the grid coil and thus placing the valve in operative position.

1,980,912
ELECTRIC RADIO ORGAN
Edouard Eloi Coupleux, Tourcoing, and Joseph Armand Givelet, Paris, France
Application January 21, 1933, Serial No. 652,868
In France January 28, 1932
9 Claims. (Cl. 84—1)



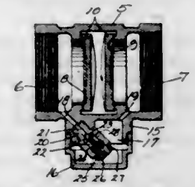
1. Improvements in radio-electric organs, with a valve of three electrodes, an oscillating circuit with this valve, means for bringing the oscillating circuit into operation, a transformer with multiple primary windings and a single secondary winding, choke coils in the plate circuit of each of the valves, windings in series in the secondary of the general transformer, individual transformers having as primaries the said windings, filters placed in the secondary of the transformer, amplifiers connected to these filters, a loud speaker mounted on each amplifier.

1,980,913
INDIVIDUAL WRAPPING OF CIGARS
Jacob Arthur Doll, Mount Wolf, Pa.
Application May 28, 1932, Serial No. 614,148
8 Claims. (Cl. 131—11)



1. A wrapper for individually packing or encasing cigars, consisting of a film-like sheet of wood veneer mechanically reinforced whereby it is capable of distortional shaping without manifesting tendency to splitting or other forms of breaking, said sheet containing heat-energizable extractive matter which is efficacious in the preservation of cigars.

1,980,914
RELIEF BY-PASSED GATE VALVE
Valentine Fina, Milwaukee, Wis., assignor to Milwaukee Valve Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 5, 1932, Serial No. 641,342
5 Claims. (Cl. 277—54)

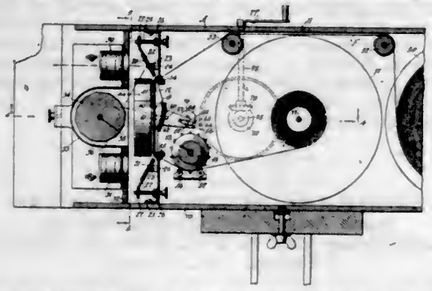


1. The combination with a primary valve casing provided with a valve and valve mechanism, of a duct by-passing said valve mechanism from one side of the casing to the other and including a relief valve chamber, removable closure means connected with said casing and comprising one side of said chamber, and a relief valve organization diagonally mounted within said relief valve chamber to control flow through said duct and detachably connected with said casing for bodily removal therefrom when said closure is opened, said organization having a wrench engageable portion exposed by virtue of said diagonal mounting to manipulation by a tool applied perpendicularly to the axis of said portion.

1,980,915
MOTION PICTURE CAMERA
Frank X. Graser, Lindenhurst, N. Y.
Application November 19, 1932, Serial No. 643,461
4 Claims. (Cl. 88—16.6)

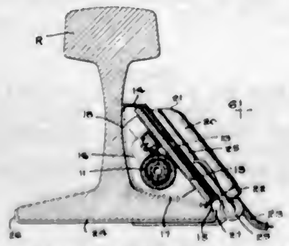
1. A motion picture camera including a film chamber having an aperture past which a film is continuously moved, a rotary multi-faced reflector located in front of the aperture, a pair of fixed reflectors located at opposite sides of the aperture and reflecting against the rotary reflector, lens

barrels in line with both of the fixed reflectors, a rockable guide frame, and an arcuate film guide



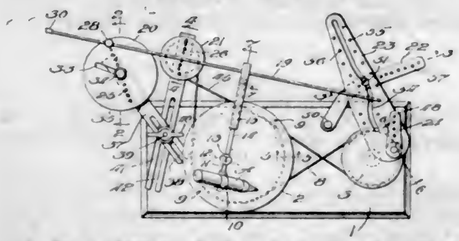
on the frame holding the concave side of the film toward the aperture.

1,980,916
CLAMP FOR RAIL HEATERS
William H. Greenfield, Philadelphia, Pa.
Original application October 7, 1930, Serial No. 486,897. Divided and this application July 30, 1932, Serial No. 626,574
2 Claims. (Cl. 24—253)



1. A clamp for a rail-heating device including a main body member of a width sufficient to extend entirely across the bottom of the base flange of a rail and continuously flat in one face thereof to adapt it to underlie the base flange of a rail, upstanding flanges formed upon opposite ends of said member for respectively engaging the longitudinally extending edges of said rail base flange to prevent lateral displacement of said body member relatively to said rail, and a spring-pressed bail pivotally secured to one end of said member, said bail being normally urged toward the plane of said member to engage a rail heater located within the angle formed between the web and the base flange of the rail.

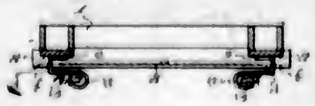
1,980,917
MACHINE FOR DRAWING DESIGNS
Paul J. Grupp, Chicago, Ill.
Application January 27, 1933, Serial No. 653,840
11 Claims. (Cl. 33—27)



1. In a device of the character described, a rotatable table, a long rod, a holder for a marking element carried by said rod, a stationary member for slidably supporting one end of the rod, a rotatable driving member for said table, an operating handle connected to said driving member at a point remote from the axis of rotation of said member and rotatable relatively to said member about an axis parallel to the aforesaid axis, an arm projecting radially from said handle, and said arm and the other end of said rod having interlocking elements to cause the arm to support that end of the rod and cause the rod to be reciprocated and oscillated as the handle turns said driving member.

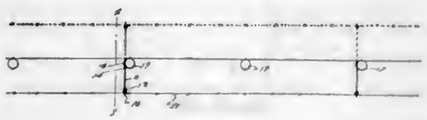
11. In a machine of the character described, a rotatable table, a long rod, a holder for a marking element carried by said rod, an adjustable stationary support having a fulcrum pin projecting upwardly therefrom, a rocking member extending across and resting on said support, said rocking member having therein a long curved longitudinal slot cooperating with said fulcrum pin, means to move one end of said rocking member through a circular path, means to support one end of the rod so as to permit it to move lengthwise and oscillate about a predetermined stationary point, and means pivotally to connect the other end of said rod to said rocking member at any one of a plurality of points distributed along said member.

1,980,918
CURTAIN AND DRAPERY HOLDER
George T. Hudspeth, Dallas, Tex.
Application April 2, 1934, Serial No. 718,607
4 Claims. (Cl. 156—33)



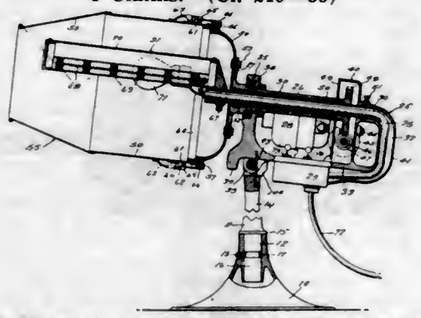
1. As a new article of manufacture, a holder for window hangings comprising a member having a curved portion to embrace said window hangings and a mounting portion from which said curved portion is spaced and arranged to be affixed to the casing of a window, said curved portion extending outwardly from said window and toward the center thereof to define a recess to receive the edge of a window shade.

1,980,919
REVERSIBLE BARB WIRE HOLDER
Paul W. Keller, Rawson, Ohio
Application March 26, 1934, Serial No. 717,531
8 Claims. (Cl. 256—3)



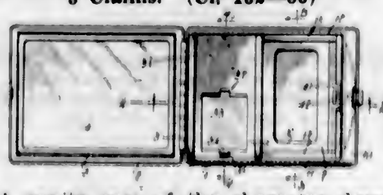
1. In combination with a fence having a plurality of spaced posts, of a plurality of barb wire holders, one for each post, and each holder including a pair of rods adapted to be secured at one end to the fence post to extend laterally therefrom at an angle relative to one another, and a link connecting the free ends of the rods, and a barbed wire threaded through said links.

1,980,920
ELECTRIC OVEN
William W. Kelly, Cleveland, Ohio, assignor, by mesne assignments, to Glenn Offenbacher
Application December 29, 1931, Serial No. 583,690
4 Claims. (Cl. 219—35)



2. In an electrical heating device of the character described, the combination of a support, an oven pivotally mounted on said support and rotatable with respect thereto, an electrical heating element disposed within said oven, means for rotating said oven about said heating element, said oven having a smooth interior and being oval in cross section and having one end open whereby the contents of the oven may be dumped through said open end.

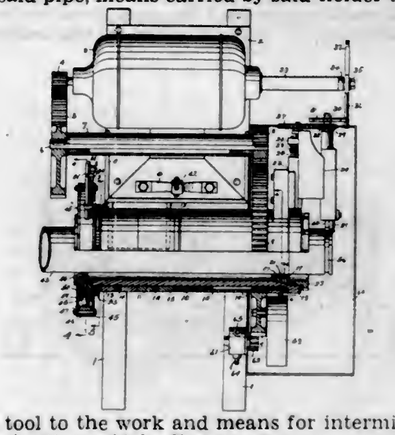
1,980,921
VANITY CASE
William G. Kendall, Maplewood, N. J.
Application May 11, 1934, Serial No. 725,206
3 Claims. (Cl. 132—83)



1. A vanity case of the character described, including a casing having a stationary container arranged therein, said container along one edge being spaced above the bottom of said casing, a pair of guiding members, and a sliding tray arranged beneath said guiding members, the tray at one edge being beveled and positioned to fit snugly against the bottom of the casing, whereby as it moves into the container it will raise all the powder therein, said tray being adapted to be removed to a point where most of the tray is positioned exterior of the container while still remaining in the casing.

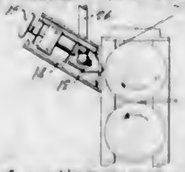
1,980,922
SHAPER
Frank Kinzbach, Houston, Tex.
Application September 19, 1932, Serial No. 633,753
10 Claims. (Cl. 82—4)

2. A shaper for pipe and the like including a support, a cylindrical barrel on the support shaped to receive a pipe and having a flared seat at one end, pipe engaging slips on said seat, means for moving and holding said slips on said seat in gripping relation with the pipe in said barrel, pipe centering means at the other end of the barrel, means for actuating said centering means into and out of active relation with the pipe, a tool holder mounted to revolve about the barrel, a tool carried by the holder arranged to operate on said pipe, means carried by said holder to feed



the tool to the work and means for intermittently actuating said feeding means.

1,980,923
METHOD OF AND APPARATUS FOR COATING PAPER
Stanislas Lebel, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
Application August 18, 1931, Serial No. 557,782
9 Claims. (Cl. 91—68)

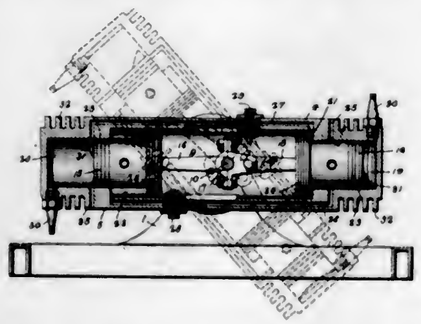


4. Method of coating paper comprising maintenance of the sheet in translatory motion, application of fluid suspension of finely divided coating material to the moving sheet, subjection of the coating to a jet of air extending substantially perpendicular to the movement of said sheet and impinging thereon at an oblique angle, adjusted to oppose the movement of translation of said coating material with the movement of the sheet while supporting the sheet opposite the jet to prevent vibration of the sheet, thereby evening the thickness of the coating material which passes the line of impingement of said jet, and subsequently drying the evened coating.

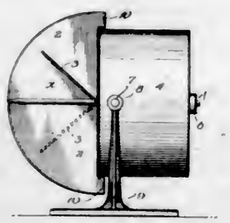
1,980,924
ROTARY GAS ENGINE
Charles G. McDonald, St. Marys, Mo.
Application September 9, 1931, Serial No. 561,940
1 Claim. (Cl. 123—44)

A rotary engine comprising a supporting structure, a single cylinder journaled intermediate its ends to said structure and having two diameters, opposed pistons slidable in said cylinder and each having a pair of diameters corresponding to the diameters of the cylinder and forming in the latter pairs of explosion and compression chambers separated by said pistons, and an intermediate fuel chamber located between the opposing ends of the pistons, a crank shaft journaled to the cylinder and fixed to said supporting structure and having a passage to admit fuel to said fuel chamber, means connecting the crank shaft to said pistons, said explosion chambers having

exhaust ports, said cylinder having in opposite walls thereof intake fuel passages connecting the explosion chambers with the compresison chambers arranged at opposite sides of the intermediate fuel chamber from the respective explosion chambers, self-seating valves between the intake fuel passages and the intermediate fuel chamber, and ignition means for the explosion chambers.



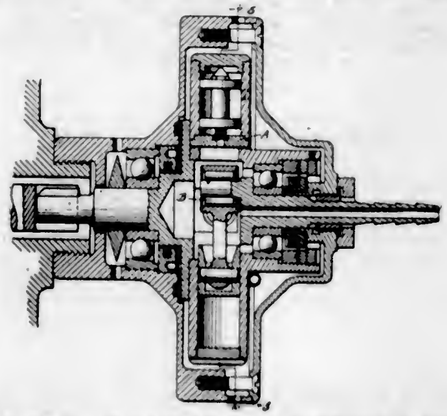
1,980,925
PROPULSION MEANS
William R. Mobley, Miami, Fla.
Application April 16, 1931, Serial No. 530,641
4 Claims. (Cl. 170—135)



1. In a propeller, the combination of blades substantially radial from the axis of the propeller, a shield controlling the rearward movement of the air which is propelled radially by the blades, and wings extending from the air-propelling faces of the blades and arranged at an angle to the axis of the propeller.

1,980,926
REMOTE REVOLUTION INDICATING AND RECORDING APPARATUS
Waldemar Möller, Berlin-Zehlendorf, and Hubert Lorenz, Berlin-Reinickendorf, Germany, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau, a German company
Application April 26, 1933, Serial No. 668,138
12 Claims. (Cl. 264—14)

1. In a pneumatic speedometer, a rotatable pump housing adapted to be connected to a shaft the speed of which is to be measured and having a pair of opposed cylinders one of which is shorter than the other; connected pistons in said cylinders having the same stroke; a centrifugal governing piston valve having its cylinder mounted on the short pump cylinder so as to distribute the masses substantially equally with respect to the center of rotation; and an outlet from the pump

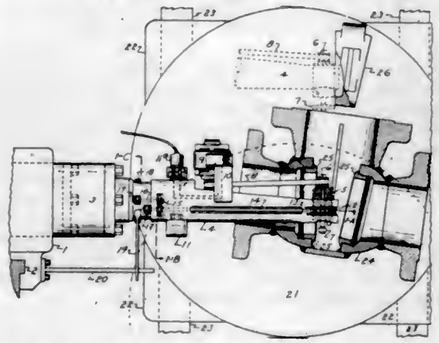


adapted to be connected to a measuring instrument.

1,980,927
BONDING COMPOSITION OF SOLDER AND FLUX AND ART OF MAKING THE SAME
Arthur L. Parker, Cleveland, Ohio
No Drawing. Application June 16, 1933, Serial No. 676,209
15 Claims. (Cl. 148—24)

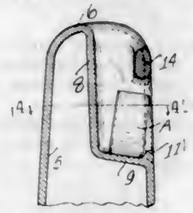
1. A solder bonding product comprising a sintered porous structure of locally united particles of solder with cavities therebetween, and flux uniformly distributed in said cavities.

1,980,928
GATE VALVE SEAT SURFACING MACHINERY
Leland G. Plant, Chicago, Ill.
Application March 16, 1933, Serial No. 661,071
4 Claims. (Cl. 51—43)



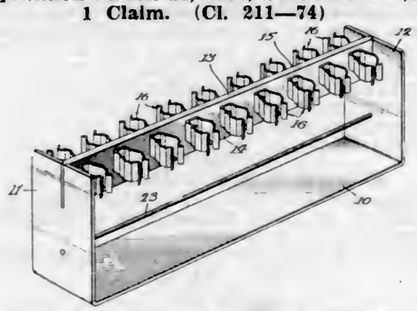
1. In a gate valve seat surfacing machine, a table adapted for rigidly supporting upon its face, a gate valve body and its gate, in separate positions fixed relatively to each other, a bed plate on which said table is pivoted, a rail path upon which said bed plate together with said table and its pivot, may be shifted in a straight line direction lateral to the axis of said pivot, rectilinear guides in a plane angular to the plane of said rail path, a rigid foundation common to said rail path and said guides, a bearing block movably supported in the path of said guides, a shaft rotatably and slidably mounted in said bearing block, power means for rotating said shaft, an extension bar projecting from one end of said shaft in rigid axial alignment therewith, a cylindrical quill threaded thru said bar near its extremity and axially right-angular thereto, a spur gear collar slidably mounted on the surface of said quill and keyed thereto, a worm gear engaging said spur gear, a worm gear shaft supported longitudinally upon said bar and an auxiliary shaft so geared to said worm shaft as to turn counter thereto, two gear wheels, one keyed to said worm and the other to said auxiliary shafts, a gear ring surrounding said bar and adapted selectively, at will, to mesh with either or neither of said gear wheels, means for preventing said gear ring from revolving as said bar is rotated, an electric motor mounted upon said bar, a current collector adapted to complete the circuit between said motor and an extraneous source of electric power as said bar with said motor is rotated, a spindle rotatably mounted in, and axially parallel to, said quill, means (such as a belt drive) for rotating said spindle by said motor, and an abrasive wheel mounted upon said spindle.

1,980,929
BATHTUB CONSTRUCTION
Paul L. Potter, Belmont, Calif.
Application May 29, 1933, Serial No. 673,512
1 Claim. (Cl. 4—173)



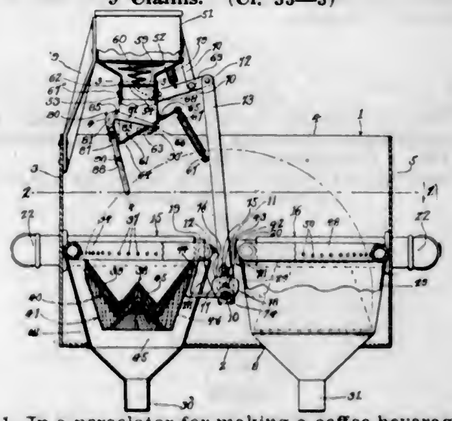
In a device of the character described, the combination with a bathtub, having a rim portion, said rim portion having a depression formed therein, said depression being bound by a vertical back wall, a slanting bottom wall and end walls, and a hand rail extending between said end walls and formed integral with said tub.

1,980,930
TEST TUBE SUPPORT
James Arthur Reyniers, South Bend, Ind.
Application March 11, 1932, Serial No. 598,130
1 Claim. (Cl. 211—74)



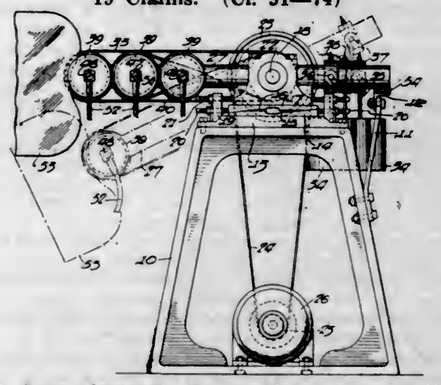
A test tube rack made entirely of metal, said rack comprising a flat metallic base having upstanding ends, a flat bar having its web arranged vertically and attached at its ends to said first named ends, and a plurality of resilient clips arranged on at least one side of the web of the bar and adapted to support test tubes of varying sizes at different leevls in either upright or inverted position.

1,980,931
PERCOLATOR
Paul C. Rothermel, Portland, Oreg.
Application September 10, 1932, Serial No. 632,594
9 Claims. (Cl. 53—3)



1. In a percolator for making a coffee beverage, a vertically disposed stationary funnel for the discharge of the beverage, a removable percolating element permanently open at its top and carrying a body of coffee, said element adapted for suspension in spaced relation to and within said funnel below the top of the latter, a normally closed water supply conduit having a part thereof extending around the major portion of and seated upon the length of the upper end of the funnel, said part of said conduit extending inwardly with respect to the inner face of the funnel and having its inner side provided with ports for discharging water upon the body of coffee when the conduit is open thereby providing a coffee beverage discharging from the funnel, and a shiftable suspension structure at one side of the funnel having a combined suspension and coupling means for removably suspending said element within the funnel and means for maintaining a water feed open to the conduit when said element is in suspended position, the said part of said conduit having spaced opposed portions providing a clearance at the top of the funnel for said combined suspending and coupling means for said element.

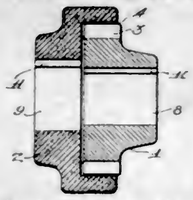
1,980,932
GLASS-GRINDING MACHINE
Michael R. Schottland, Martinsville, Va.
Application September 13, 1932, Serial No. 632,972
19 Claims. (Cl. 51—74)



1. In a glass grinding machine, a supporting frame, a shaft journaled in said frame, means

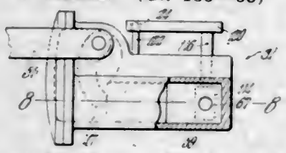
for rotating the shaft, a plurality of arms rockably mounted on said shaft a plurality of grinding disks carried by said arms arranged in spaced edge to edge relation and in the same vertical plane, and means operated from said shaft for rotating said disks.

1,980,933
COUPLING
Frank K. Simons, St. Davids, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application October 25, 1932, Serial No. 639,526
2 Claims. (Cl. 64—92)



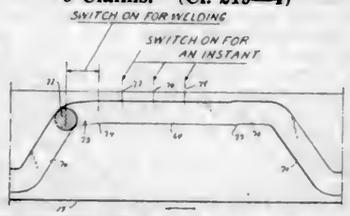
1. A two-part coupling comprising solely a non-metallic part and a metallic part, each adapted for direct attachment to a power transmitting shaft, said non-metallic part comprising a unitary rigid body which is socket shaped to receive snugly the metallic part, the socket having a peripheral wall of dentate formation, and the metallic part having a peripheral dentated portion adapted for interdentate association with the said socket wall.

1,980,934
VEHICLE SHOCK ABSORBING APPARATUS
Alden H. Simpson, Springfield, Mass.
Application January 6, 1932, Serial No. 585,025
2 Claims. (Cl. 188—88)



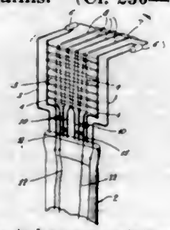
1. The combination of relatively movable frame and axle members of an automobile with means for checking relative movements thereof as the frame sways when the automobile departs from a normally straight course comprising, a unitary device including a body having a fluid chamber and a reservoir separate therefrom connected thereto at one end and a port connecting said chamber and reservoir at their opposite ends, a piston reciprocable in the chamber, a valve rotatable in the body passing through said port provided with an opening therethrough disposed in said port and having a stem part extending upwardly from the body, an actuating member fixed to said stem having a weighted part disposed at a side of the axis of rotation of the valve for swinging in a horizontal plane, and connections between the frame, axle and piston to bring about reciprocation of the piston as the frame and axle move relative to one another, all adapted and arranged whereby the said actuating member is moved in a horizontal plane as the frame moves sideways relative to the axle when the automobile departs from a normally straight path to rotate said valve on its vertical axis and change the position of the opening therethrough relative to the port and thereby control the flow of fluid between the chamber and reservoir.

1,980,935
ELECTRIC WELDING MACHINE
Frank E. Stahl, Tonawanda, N. Y.
Application June 23, 1933, Serial No. 677,296
9 Claims. (Cl. 219—4)



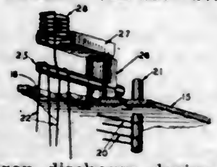
3. The combination, in a machine for welding chain links which have tapered ends, of pushers for forcing the heated ends of the link together for effecting a weld, electrodes for heating the ends of the links, and cams for actuating the pushers, each cam having an inclined surface portion so formed that a follow-up pressure is exerted upon opposite sides of the link until the tapered ends have been reduced in length and the cross-sectional area of the joint is substantially the same as the cross-sectional area of the body of the link, and being also formed with a straight surface portion so that pressure is maintained upon the joint until the weld has set.

1,980,936
ELECTRON DISCHARGE TUBE
Otto Louis van Steenis, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application August 8, 1930, Serial No. 473,815
In the Netherlands September 25, 1929
3 Claims. (Cl. 250—27.5)



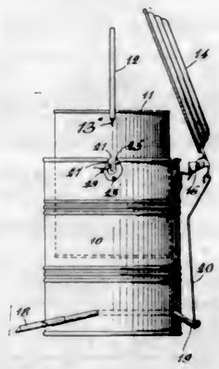
1. A discharge tube comprising a cathode having a plurality of parallel-connected filament sections, a plurality of springs for supporting the filament sections, said springs having their ends which are turned away from the filament bent over a small rod of insulating material to which they are secured by fusing-in and at the point of fusing the said ends are sharply doubled over so as to emerge again from the insulating rod, the ends emerging from the rod being mutually joined by a strip of metal.

1,980,937
ELECTRON DISCHARGE DEVICE
Stephen Webster Dodge, Jr., Glen Ridge, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 7, 1933, Serial No. 688,426
5 Claims. (Cl. 250—27.5)



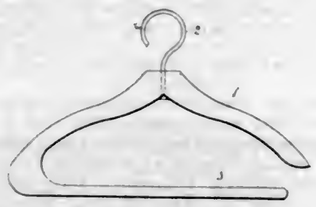
5. An electron discharge device comprising a sealed envelope having a stem, a cathode carried by said stem and comprising two metal bottom rods mounted on said stem in alignment with a gap between their ends, a metal top rod mounted parallel to said bottom rods, a filamentary conductor wound over said top rod and over both said bottom rods into a flattened helix which extends across said gap and has its turns in engagement with said top rod and both said bottom rods, a current supply lead for each of said bottom rods, a resilient support on said stem for holding said top rod, and a tubular plate mounted on said stem to surround said cathode.

1,980,938
SANITARY WASTE CAN
John F. Geibel, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York
Application October 19, 1931, Serial No. 569,672
13 Claims. (Cl. 220—17)



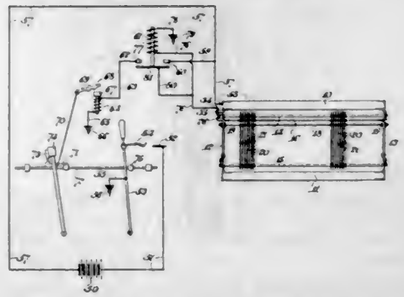
1. A device of the character described, comprising an outer can-body, a cover hinged thereto, a waste receptacle removably arranged in said can-body, a handle connected to said receptacle, and complementary means applied to the can-body and the receptacle for releasably connecting them against vertical displacement, said handle serving as a means for removing the receptacle from the can-body and carrying it independently of the can-body and as a means for carrying said parts as a unit, said cover having a portion in operative relation to said complementary means for controlling the latched and released positions thereof.

1,980,939
GARMENT HANGER
Karl Emil Goerner, Wood-Ridge, N. J.
Application February 29, 1932, Serial No. 595,733
3 Claims. (Cl. 223—61)



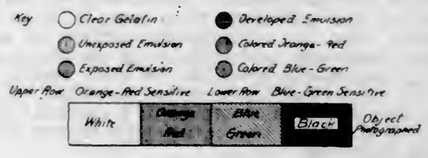
1. In a device of the character specified combination of an arched upper bar adapted to be inserted beneath the shoulders of the coat and a straight under bar, one end of which is connected to one end of the said upper bar and the other end of which lies adjacent to and in fixed spaced relationship with the other end of said upper bar.

1,980,940
STOP MOTION FOR LOOMS
Victor C. Hassold, Chestnut Hill, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 16, 1932, Serial No. 628,964
14 Claims. (Cl. 139—356)



1. In a warp stop motion for looms, a harness frame; shed forming heddles mounted therein; a bar in said frame mounted to have a range of vertical movement with respect to said frame, said bar being engaged by the heddles so as to be raised with respect to the frame when said frame is lowered; an electric switch carried by the frame on the exterior thereof and controlled by said bar; an electric detector circuit in which said switch is included; and means for stopping the loom controlled by said circuit.

1,980,941
COLOR PHOTOGRAPHY
Leopold D. Mannes and Leopold Godowsky, Jr., New York, N. Y.
Application November 12, 1927, Serial No. 232,735
4 Claims. (Cl. 95—5)

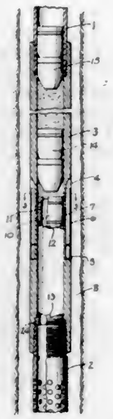


1. A photographic reversal process comprising developing the negative image in an ordinary photographic developer to produce a silver image, and developing the reversal image in a color-forming developer to produce a silver image with virtually insoluble dye in situ the silver of both negative and positive images being removed as the final step.

1,980,942
METHOD AND APPARATUS FOR CEMENTING WELLS
Margia Manning, Houston, Tex., assignor to The R. S. M. Company, Inc., Houston, Tex.
Application October 12, 1931, Serial No. 568,473
3 Claims. (Cl. 166—21)

2. A method of cementing an assembled casing and strainer in an open hole well bore filled with

fluid mud comprising, the steps of lowering the combination casing and strainer into the open hole, discharging cement from the casing and de-



flecting the cement upwardly as it is discharged into the fluid mud outside of the casing so that the fluid mud serves as a support for the cement until the cement has set.

1,980,943

MANUFACTURE OF RUBBER GOODS

Philip Dobson Patterson, Moseley, England, assignor to Dunlop Rubber Company Limited, a British corporation

No Drawing. Application January 6, 1931, Serial No. 506,972. In Great Britain January 13, 1930

4 Claims. (Cl. 106—23)

1. A process for the manufacture of finely divided compositions of rubber or similar material which comprises forming a mixed dispersion of an aqueous artificial dispersion of rubber and latex in a proportion of at least two of the former to one of the latter calculated on the rubber content and of insoluble inert inorganic materials in dry powdered form and in quantity greater than the latex rubber content of said mixed dispersion, and coagulating the dispersion by a coagulating agent of the class consisting of the water soluble salts of lead and alkali silicofluorides while agitating and at a concentration to produce crumb-like particles containing inorganic materials.

1,980,944

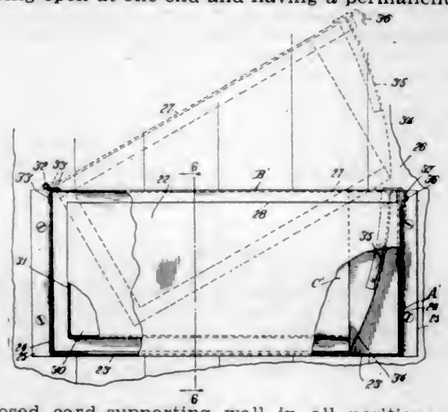
CARD HOLDER FOR RAILWAY EQUIPMENT

Lawrence A. Rowe, Oak Park, Ill., assignor to MacLean-Fogg Lock Nut Co., Chicago, Ill., a corporation of Illinois

Application April 4, 1932, Serial No. 603,073

8 Claims. (Cl. 40—10)

6. A card-holder for railway cars comprising a partially closed casing adapted to be mounted in a substantially vertical position on a car, a closure member hinged to an upper portion of the casing and adapted when swung down to closed position to complete the enclosure of the casing, and a pocket carried by the closure and completely housed within the enclosure when the closure is swung down to closed position, the pocket being movable with the closure to an accessible position outside the casing when the closure is swung up to open position, the pocket being open at one end and having a permanently



closed card-supporting wall in all positions of the pocket.

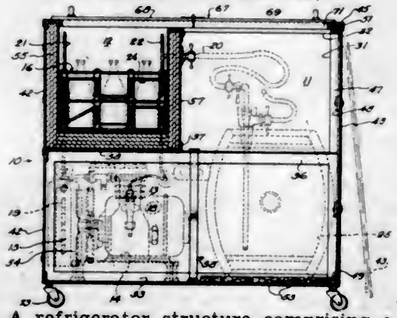
1,980,945

APPARATUS FOR COOLING BEVERAGES

Lawrence C. Smith, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application July 1, 1932, Serial No. 620,468

2 Claims. (Cl. 62—141)



2. A refrigerator structure comprising a rectilinear cabinet having an open top, an insulated compartment member mounted laterally in the cabinet and having an open top, said compartment member being formed to occupy an upper corner of the space within the cabinet, a pair of coils in the compartment member, means connecting the coils in heat exchange relation, said coils being formed to receive bottles placed in said insulated compartment, refrigerating mechanism mounted in the cabinet below the compartment member and connected to supply refrigerant to one of said coils, a barrel in the cabinet adjacent the compartment member and connected to supply beverage to the remaining coil, a draft arm extending through the cabinet and compartment member and communicating with the last named coil, and a cover member for covering both the open tops of the compartment member and cabinet.

1,980,946

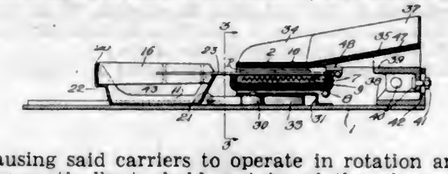
SHOE BOTTOM FILLING APPARATUS

Andrew Thoma, Cambridge, Mass., assignor to North American Chemical Company, Cambridge, Mass., a corporation of Massachusetts

Application August 26, 1929, Serial No. 388,321

3 Claims. (Cl. 18—1)

1. Shoe-bottom filling apparatus, comprising a heating chamber, heating means therefor, a plurality of carriers each adapted to carry a filler piece into said chamber for heat treatment and to withdraw the same when heated, and means for



causing said carriers to operate in rotation and automatically to hold certain of the pieces in neating position when a heated piece is withdrawn.

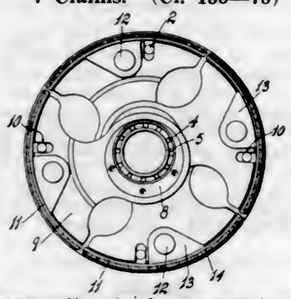
1,980,947

EXPANDING BRAKE

Albert F. Adkins, Long Beach, Calif.

Application March 20, 1933, Serial No. 661,681

7 Claims. (Cl. 188—78)



1. An expanding brake comprising a stationary plate, an actuating plate rotatably mounted on the first named plate, said first named plate having a slot therein, a finger protruding from the actuating plate thru the slot, a plurality of eccentrics on the actuating plate, an operating arm journaled on each of the eccentrics and a brake shoe secured to each of the operating arms.

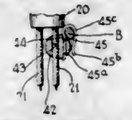
1,980,948

PORTABLE ELECTRIC LIGHTING OUTFIT

Abraham Abramson, New York, N. Y., assignor to Raylite Trading Company, Inc., a corporation of New York

Application June 18, 1934, Serial No. 731,020

3 Claims. (Cl. 248—42)



1. A mounting device for a portable electric lighting outfit comprising a bead having a passage therein adapted to receive a conductor wire of said outfit and having an opening spaced from said passage, and a clip anchored in said opening to extend from said bead for securing the portions of the wire passing through the passage to the support.

1,980,949

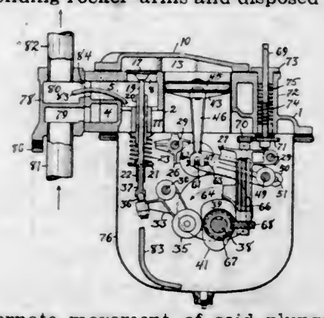
LIQUID DISPLACEMENT METER

Reuben E. Bechtold, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, a corporation of Indiana

Application March 14, 1932, Serial No. 598,583

7 Claims. (Cl. 73—30)

1. In liquid metering apparatus, a head-block having cylinders therein and provided with an inlet and outlet for one end of each cylinder, inlet and outlet valves controlling the respective inlets and outlets, a plunger in each cylinder, a frame secured to said head-block, an adjustable supporting shaft in said frame and adjusting means therefor, rocker-arms pivoted on said shaft and connected respectively with said plungers, each rocker-arm having a roller, a cam-shaft journaled in said frame, cams on said cam-shaft engaged respectively by the rollers of the corresponding rocker-arms and disposed for rela-



tive alternate movement of said plungers, said cams being shaped so that the measuring stroke of either plunger is accompanied by turning movement of said cam-shaft and the displacement stroke of the other plunger, individual cams on said cam-shaft and members actuated thereby for operating said valves respectively, and a spindle geared to said cam-shaft for actuating an indicating means.

1,980,950

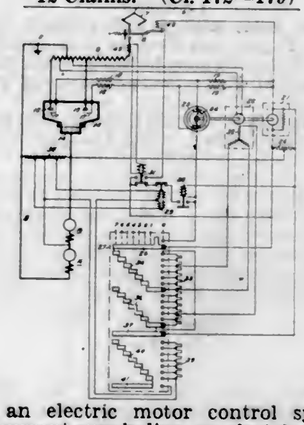
MOTOR CONTROL SYSTEM

Gustav Brunner, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application May 16, 1934, Serial No. 725,906

In Germany April 7, 1933

12 Claims. (Cl. 172—179)

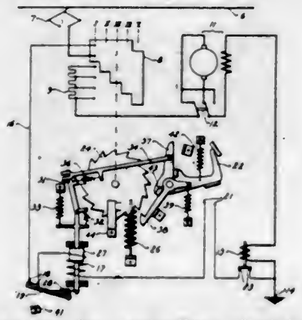


9. In an electric motor control system, an electric current supply line, an electric valve connected with said line and having an anode with an associated control electrode and a cathode, a plurality of electric motors connected with said valve, means for impressing on said control electrode a voltage of sign and magnitude effective to release the flow of current through said valve, and means responsive to the occurrence of a disturbance in the speed relationship between said motors for maintaining said control electrode at a voltage of sign and magnitude effective to cause interruption of the flow of current through said valve.

1,980,951
MOTOR CONTROL SYSTEM

Theodor Buchhold, Mannheim-Neuostheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application October 3, 1930, Serial No. 486,121
In Germany October 7, 1929
6 Claims. (Cl. 172—288)

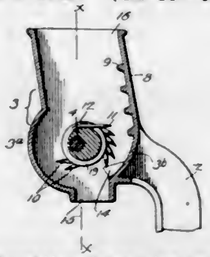


1. In a system for controlling electric motors, a controller biased to inoperative position and having a plurality of operative positions, operating means for imparting a step-by-step movement to said controller to several operative positions thereof, said operating means comprising an electromagnetically actuated device, a normally inoperative latch effective during said step-by-step movement of said controller to prevent return thereof, and a unitarily controlled device for initiating operation of said electromagnetically actuated device and for rendering said latch operative to prevent return movement of said controller, said unitarily controlled device being effective in one operative position thereof to cause said latch to hold said controller in an operative position and to prevent operation of the first said means.

1,980,952
MACHINE FOR BREAKING CUBES OF ICE

Thomas J. Fegley and George O. Leopold, Philadelphia, Pa., assignors to North Bro's M'f'g Co., Philadelphia, Pa., a corporation of Pennsylvania

Application July 29, 1931, Serial No. 553,858
12 Claims. (Cl. 83—63)



1. The combination in an ice cube breaker, of a casing having a hopper at its upper end and a discharge opening at its lower end; a spindle mounted in bearings in the casing; a cylinder eccentrically mounted on the spindle and having two sets of teeth, the outer ends of one set of teeth being located nearer the center of rotation than the outer ends of the teeth of the other set; means for turning the spindle, the one wall of the hopper having a projection extending into the hopper and located above the cylinder so that an ice cube within the hopper will be held by the projection while it is being cut by the teeth of the cylinder.

1,980,953
MEANS TO PREVENT THE SPREAD OF TUBERCULOSIS

Frederick B. Kilmer, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey

Application October 7, 1933, Serial No. 692,695
2 Claims. (Cl. 4—259)



1. A sputum cup formed from an elongated strip of paper or thin cardboard having scored areas, including a diamond score and doubled upon itself to provide flat side walls and secured in that relation by edge flaps, which seal the side walls throughout their extent, thereby forming a receptacle which presents a flared opening in response to pressure exerted on the side walls, said strip having a lip extension also scored to simplify the opening operation and which functions as a throat and also as a cover.

1,980,954
METHOD OF MAKING CELLULAR CLAY PRODUCTS

Clarence S. Matheny, Haydenville, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

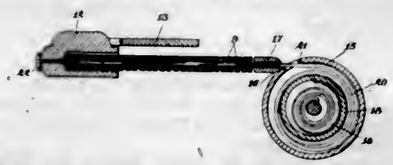
No Drawing. Application October 7, 1932, Serial No. 636,683
6 Claims. (Cl. 25—156)

1. The process of manufacturing a fire-resisting cellular clay product comprising the steps of producing a fluid clay slip by compounding clay, dolomite and gypsum with an acid solution, releasing a gas by chemical interaction of the dolomite and acid in said slip while the latter is in a formative condition, introducing regulated quantities of a pasty substance to confine the chemical interaction to unit particles of the dolomite whereby relatively small cells are formed, and subsequently heat treating the dry cellular mass to harden the product.

1,980,955
AUTOMATIC SLIDER MOVING DEVICE

Samuel H. Norton, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application September 2, 1933, Serial No. 688,017
9 Claims. (Cl. 24—205)

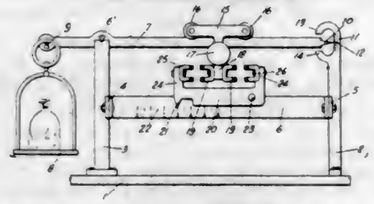


1. The combination of a separable fastener, a slider for opening and closing the same, and means carried by the fastener remote from but connected to the slider for mechanically actuating the same in at least one direction.

1,980,956
WEIGHING SCALE

Perry Okey, Columbus, Ohio, assignor to The Exact Weight Scale Company, Columbus, Ohio, a corporation of Ohio

Application April 15, 1930, Serial No. 444,563
13 Claims. (Cl. 265—49)

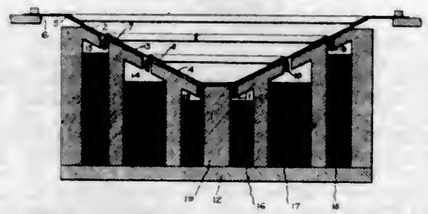


1. A weighing scale comprising a beam, a movable weight on said beam, and magnetic means mounted on said scale and movable substantially parallel to said beam for adjusting the position of said weight on said beam.

1,980,957
ELECTRO-ACOUSTIC DEVICE

Robert D. Parry, Northway, Neasden, England, assignor to General Electric Company, a corporation of New York

Application February 27, 1929, Serial No. 343,102. Renewed May 20, 1933. In Great Britain February 27, 1928
17 Claims. (Cl. 179—115.5)



6. A diaphragm made up of a central rigid zone, a larger rigid zone and connection between the zones made of less rigid material than that of the zones.

10. An electroresponsive acoustic device including a vibratile element comprising a plurality of portions, compliant coupling means between contiguous portions, and means to actuate each portion individually.

1,980,958
SANITARY NAPKIN

Andrew A. Rohlfing, Bound Brook, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey

Application November 24, 1933, Serial No. 699,592
2 Claims. (Cl. 128—290)



1. A sanitary napkin having gauze tabs equipped with pinning areas defined by flexible patches of thermoplastic material, said patches extending to the ends of the tabs to provide selvage edges and being spaced from the napkin filling so as not to impair the conformable properties thereof.

1,980,959
ARTIFICIAL MASS

Guido Schultze, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

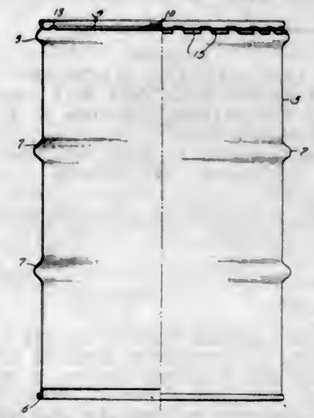
No Drawing. Application October 31, 1932, Serial No. 640,505. In Germany November 3, 1931
4 Claims. (Cl. 106—23)

1. Artificial masses, suitable as bases for varnishes, comprising a homogeneous combination of a chlorinated rubber material and at least 5 per cent by weight thereof of a polymeric water-insoluble mono-vinyl compound soluble in liquid hydrocarbons of the benzene series.

1,980,960
METHOD OF MAKING SHIPPING DRUMS

Edgar E. Shanor and Carl W. Mardersteck, Sharon, Pa., assignors to The Petroleum Iron Works Company, Sharon, Pa., a corporation of Ohio

Application March 22, 1929, Serial No. 349,177
1 Claim. (Cl. 113—121)



Method of inserting concurrently the permanent and removable heads of a drum, which consists in providing a drum body having a series of stiffening ribs whereof one is a terminal rib which is offset from the body and constitutes an abutment for a metal working operation, providing permanent and removable heads for the body, the removable head having a stiffening rib to resist excess flexure when acted upon by heading instrumentalities and having a sealing rim with spaced lugs, double seaming the permanent head to the body, and concurrently forcing the spaced lugs of the sealing rim into engaging relation with the abutment.

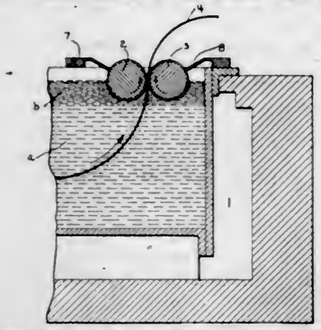
1,980,961
METHOD OF COATING IRON OR STEEL SHEETS WITH A PROTECTIVE METALLIC COATING

William H. Sommer, Peoria, Ill., assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and John A. Chapman, Chicago, Ill., trustees

Application August 10, 1932, Serial No. 628,164
1 Claim. (Cl. 91—70.2)

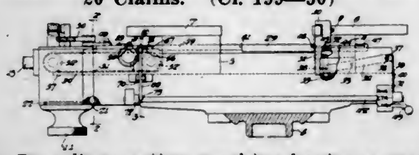
The herein described method of coating iron or steel sheets with a protective metallic coating of greater thickness on one side face of the sheet than on the opposite side, which consists in passing the sheets through a metallic coating bath to deposit the coating on each of the opposite side

faces of the sheet, and then in simultaneously applying the coating by means of a pair of grooved rollers, the grooves on one being greater in number than those of the other and engaging



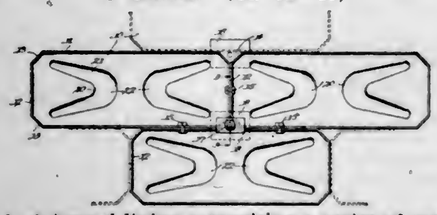
the sheets as they emerge from the bath, so that the coating on the one side face of the sheet is thicker than on the opposite side thereof, and their respective thicknesses are uniform throughout.

1,980,962
LINE CASTING MACHINE
Ransom H. Turner, Little Neck, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application November 27, 1933, Serial No. 699,977
20 Claims. (Cl. 199—50)



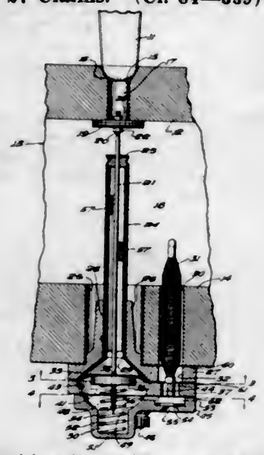
1. In a line casting machine having a matrix line receiving vise embodying a pair of jaws movable toward and from one another, a jaw moving device, a coupling device connecting the jaws and operative by said jaw moving device to cause simultaneous movement of the jaws toward and from one another, and means for shifting the position of said coupling device to thereby move one of the jaws independently of the other jaw while the jaws are connected by the coupling device.

1,980,963
TUNNEL LINER
Arthur E. Wilkoff, Niles, Ohio, assignor to Youngstown Steel Car Corporation, a corporation
Application December 2, 1933, Serial No. 700,711
6 Claims. (Cl. 61—45)



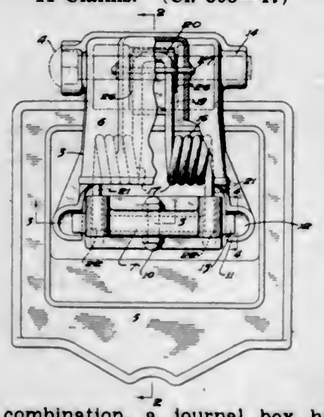
1. A tunnel lining comprising a series of metal liner plates, each having a skin portion and upstanding continuous side and end flanges of uniform thickness, and being relieved at the corners providing openings between the corners of juxtaposed plates, connecting means extending through adjoining flanges of adjacent plates, and clamping means for clamping the corners of the plates together in strong assembled relation to support and withstand a load from above, said clamping means including means adapted to overlie said openings to prevent seepage of material therethrough.

1,980,964
ORGAN VALVE STRUCTURE
Donald S. Barrows, Rochester, N. Y.
Application July 19, 1929, Serial No. 379,533
27 Claims. (Cl. 84—339)



1. In combination with a pipe organ wind chest, a mounting for electro-pneumatic pipe valves, involving, a plurality of separable plates perforated to provide registrable openings and having passageways, which constitute, on assembly of said plates in juxtaposed relationship, a pressure flow and valve chamber system, and means detachably securing said plates in such juxtaposed relationship to the exterior of said wind chest, and a leather diaphragm interposed between certain of said plates and adapted to close the valve chamber.

1,980,965
JOURNAL BOX
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application October 2, 1929, Serial No. 396,759
11 Claims. (Cl. 308—47)

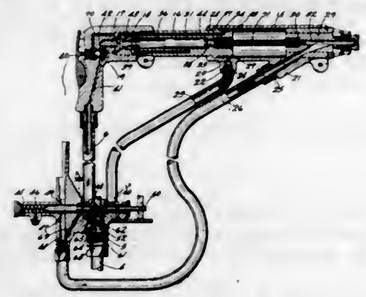


1. In combination, a journal box having a hinge lug, a lid assembly pivotally carried thereby and comprising a hood and a lid proper, equalizing means pivoted to said lid proper at approximately the center of the latter and having end portions normally engaging the hood to hold the parts in assembled relation, and resilient means engaging the hood intermediate said end portions, and the equalizing means and hinge lug respectively at opposite ends thereof.

1,980,966
SUBSTITUTED ALKYLPHENOLS AND METHOD OF PRODUCING THE SAME
Frederick F. Blicke, Ann Arbor, Mich., assignor to Regents of the University of Michigan, Ann Arbor, Mich., a corporation of Michigan
No Drawing. Application February 28, 1933, Serial No. 659,024
10 Claims. (Cl. 260—154)

1. A new product consisting of a 4-alkylphenol containing more than five carbon atoms in the alkyl group and halogen substituents in the 2, 6 positions.

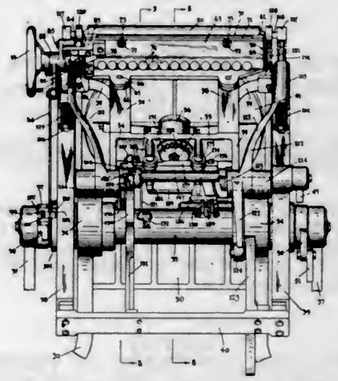
1,980,967
NAIL DRIVING DEVICE
John De Mooy, Cleveland, Ohio, assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1930, Serial No. 497,500
9 Claims. (Cl. 1—46.1)



1. An apparatus for driving nails comprising, in combination, a nail feeding mechanism operable by motive fluid, a driving tool having connection therewith for operating said tool and said nail feeding mechanism, a guide head comprising a sleeve, a barrel slidable within said sleeve, and means operable by that part of the barrel within the sleeve upon movement of the barrel for controlling the supply of motive fluid to said nail feeding mechanism.

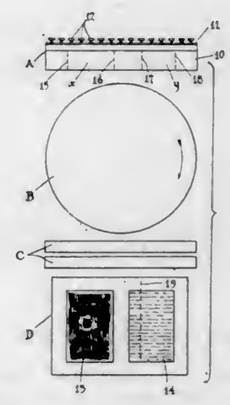
1,980,968
INKING MECHANISM FOR PRINTING PRESSES
Abel Kluge and Eneval Kluge, St. Paul, Minn., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Application December 30, 1932, Serial No. 649,568
25 Claims. (Cl. 101—342)

1. In a platen press having a revoluble inking disk, ink distributing rollers and form rollers alternately movable to and fro onto and across said disk and back again away therefrom, means for imparting a turning movement to said disk at that stage in the cycle of the press when said distributing rollers and form rollers are both out of contact with the disk and means for arresting



such movement of said disk at said stage in the press cycle.

1,980,969
METHOD OF INKING PRINTING FORMS
Abel Kluge and Eneval Kluge, St. Paul, Minn., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Application December 30, 1932, Serial No. 649,570
9 Claims. (Cl. 101—338)



1. The method of inking a printing form, through an inking roller movable back and forth over the form and over an ink-plate, to procure different zonal apportionments of ink at the form, said method comprising the steps of successively applying ink to the ink-plate in apportioned quantities in zones extending lengthwise in the direction of travel of the inking roller and of such lateral dimensions and relative disposition as to accord with the desired zonal apportionment of ink at the form, intermittently moving the ink-plate step-by-step, and regulating the extent of movement of said ink-plate at each step to promote uniformity in the distribution of ink in the different zones of said ink-plate and on corresponding portions of the roller and form,

without substantially affecting the development, at the form, of zonal apportionment of ink at the ink-plate.

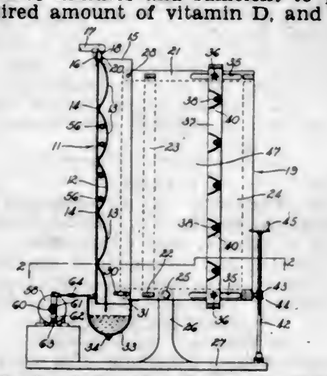
1,980,970
LAMINATED GLASS
William L. Monro, Pittsburgh, Pa.
Application December 18, 1933, Serial No. 702,878
7 Claims. (Cl. 49—92)



1. As an article of manufacture, laminated glass comprising a sheet of drawn glass having fire polished faces and a sheet of drawn glass having one face thereof ground and polished, said sheets being cemented together.

1,980,971
METHOD FOR SYNTHESIS OF VITAMIN D
Harold G. Campsie, Hollywood, Calif.
Application February 15, 1934, Serial No. 711,439
7 Claims. (Cl. 99—11)

4. The method of treatment of pro-vitamin materials by ultra-violet light to produce therein vitamin D without deleteriously affecting the product, comprising generating ultra-violet light the major portion of whose energy is of wave length 2536 to 2540 Angstrom units and substantially free from infra-red rays, placing the pro-vitamin material in air between about two and one-half and five and one half inches from the source of ultra-violet light, exposing said material for a period of time not exceeding approximately three minutes and sufficient to produce the required amount of vitamin D, and quickly



moving the treated material away from the light source.

1,980,972
MORPHINE DERIVATIVE AND PROCESSES FOR ITS PREPARATION
Lyndon Frederick Small, Charlottesville, Va., assignor to Government of the United States, represented by the Secretary of the Treasury
No Drawing. Application July 19, 1934, Serial No. 736,108
7 Claims. (Cl. 260—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A dihydromorphine derivative in which the alcoholic hydroxyl group of dihydromorphine has been replaced by hydrogen.

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DESIGNS

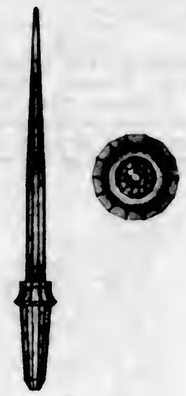
NOVEMBER 13, 1934

93,806
DESIGN FOR LACE
William R. Adaire, Washington, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y., a corporation of New York
Application July 3, 1934, Serial No. 52,445
Term of patent 3½ years



The ornamental design for lace as shown and described.

93,807
DESIGN FOR A DESK PEN
Robert Back, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application August 27, 1934, Serial No. 53,086
Term of patent 7 years



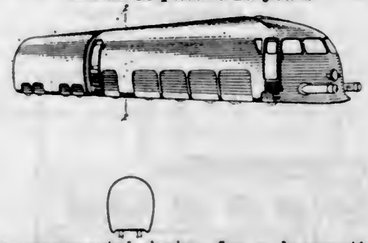
The ornamental design for a desk pen substantially as shown.

93,808
DESIGN FOR A SHOE
Benjamin Batterman, New York, N. Y.
Application August 24, 1934, Serial No. 53,051
Term of patent 3½ years



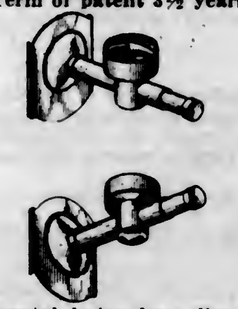
The ornamental design for a shoe, substantially as shown and described.

93,809
DESIGN FOR A LOCOMOTIVE UNIT FOR A RAILWAY TRAIN
Norman Bel Geddes, New York, N. Y.
Application October 12, 1933, Serial No. 49,472
Term of patent 14 years



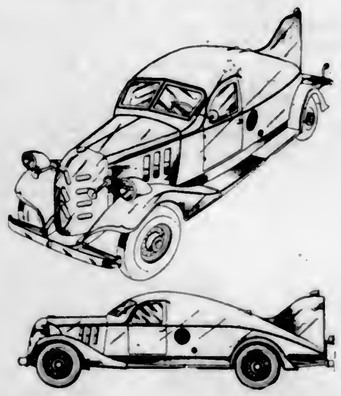
The ornamental design for a locomotive unit for a railway train substantially as shown and described.

93,810
DESIGN FOR A DISPENSING DEVICE FOR LIQUIDS
Rudolph Bernhardt, Chicago, Ill.
Application June 29, 1934, Serial No. 52,397
Term of patent 3½ years



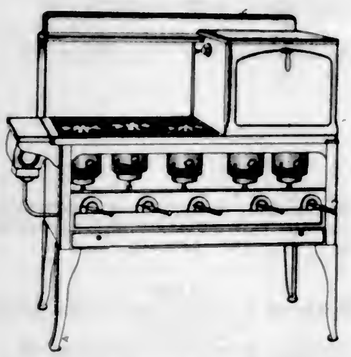
The ornamental design for a dispensing device for liquids as shown and described.

93,811
DESIGN FOR AN AUTOMOBILE
Robert E. Billings, City Island, N. Y., assignor to Richfield Oil Corporation of New York, New York County, N. Y.
Application May 29, 1934, Serial No. 51,955
Term of patent 7 years



The ornamental design for an automobile, as shown.

93,812
DESIGN FOR A LIQUID FUEL COOK STOVE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 28, 1934, Serial No. 50,897
Term of patent 7 years



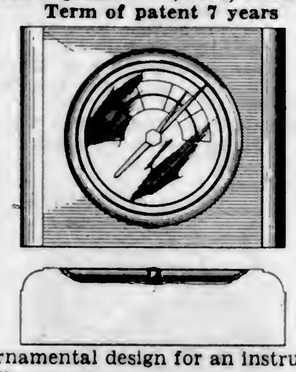
The ornamental design for a liquid fuel cook stove substantially as shown.

93,813
DESIGN FOR A LOUNGE
John Mershon Brower, Grand Rapids, Mich.
Application August 20, 1934, Serial No. 52,994
Term of patent 3½ years



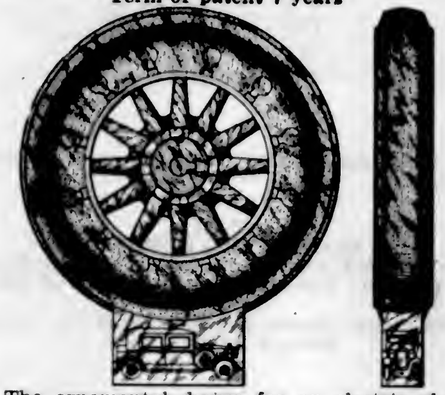
The ornamental design for a lounge, as shown.

93,814
DESIGN FOR AN INSTRUMENT CASE
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application September 14, 1934, Serial No. 53,287
Term of patent 7 years



The ornamental design for an instrument case, as shown.

93,815
DESIGN FOR AN ELECTRIC GLASS AUTO TIRE SIGN
Leonard H. Coble, Wichita, Kans.
Application August 14, 1934, Serial No. 52,950
Term of patent 7 years



The ornamental design for an electric glass auto tire sign, as shown.

93,816
DESIGN FOR A SHOE
Pasquale Colella, Nahant, Mass., assignor to Colella and Leighton Shoe Company, Lynn, Mass., a corporation of Massachusetts
Application September 15, 1934, Serial No. 53,298
Term of patent 3½ years



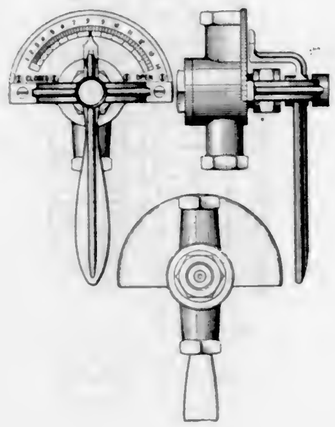
The ornamental design for a shoe substantially as shown.

93,817
DESIGN FOR A BABY CARRIAGE
Samuel Drexler, Brooklyn, N. Y., assignor to Meyer S. Harrison and Elias Specter, doing business under the firm name and style of Bilt-Rite Baby Carriage Co., Brooklyn, N. Y.
Application August 31, 1934, Serial No. 53,131
Term of patent 7 years



The ornamental design for a baby carriage, as shown.

93,818
DESIGN FOR A VALVE
Walter C. Elze, Forest Hills, N. Y., assignor to Hauck Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application August 30, 1934, Serial No. 53,117
Term of patent 14 years



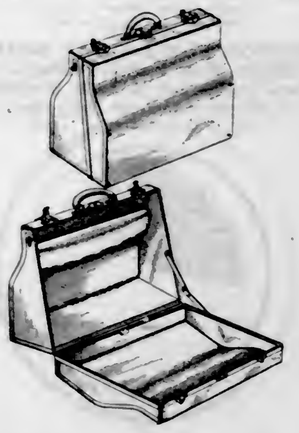
The ornamental design for a valve, as shown.

93,819
DESIGN FOR A TOY PISTOL
Russell Abner Frisbie, Middletown, Conn., assignor to The J. & E. Stevens Company, Cromwell, Conn., a corporation
Application June 8, 1934, Serial No. 52,107
Term of patent 7 years



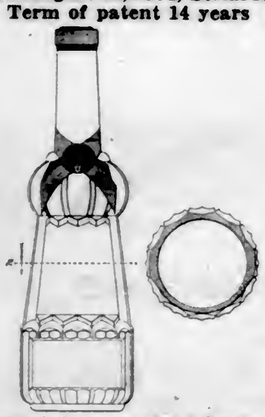
The ornamental design for a toy pistol, as shown and described.

93,820
DESIGN FOR AN ACCORDION CASE
Ambrose C. Geib, Chicago, Ill., assignor to Geib & Schaefer Co., Chicago, Ill., a corporation of Illinois
Application August 27, 1934, Serial No. 53,083
Term of patent 14 years



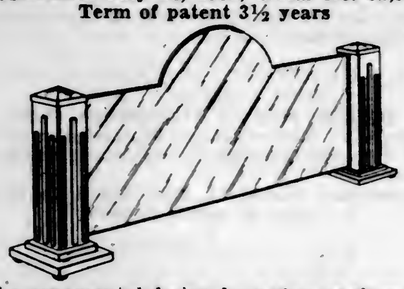
The ornamental design for an accordion case substantially as shown

93,821
DESIGN FOR A BOTTLE
Joseph Goldblatt, Chicago, Ill., assignor to Lionel Distilled Products, Inc., Chicago, Ill., a corporation of Illinois
Application August 31, 1934, Serial No. 53,124
Term of patent 14 years



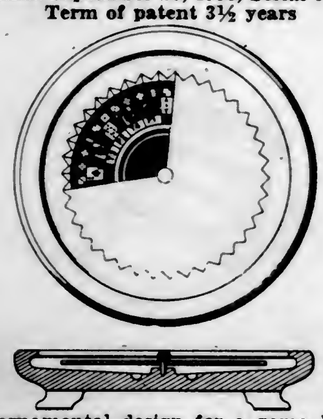
The ornamental design for a bottle as shown.

93,822
DESIGN FOR A SIGN
Hy Hammer, Chicago, Ill., assignor to Price Bros., Inc., Chicago, Ill., a corporation of Illinois
Application July 14, 1934, Serial No. 52,591
Term of patent 3½ years



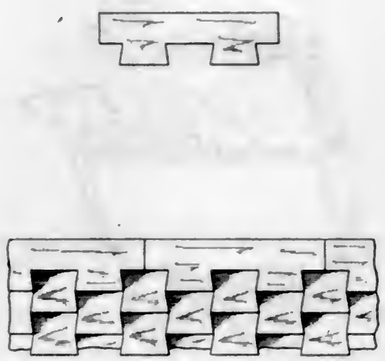
The ornamental design for a sign, as shown.

93,823
DESIGN FOR A GAME BOARD
Russell Kent Harsh, Dallas, Tex.
Application September 26, 1933, Serial No. 49,346
Term of patent 3½ years



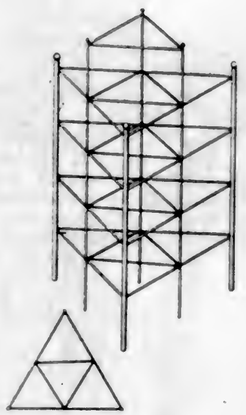
The ornamental design for a game board, as shown and described.

93,824
DESIGN FOR ROOFING
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application November 19, 1930, Serial No. 37,714
Term of patent 14 years



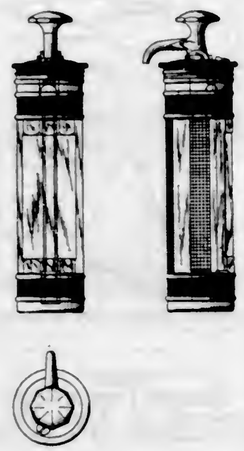
The ornamental design for roofing, as shown.

93,825
DESIGN FOR A PLAYGROUND APPARATUS
Archibald B. Horne, Brooklyn, N. Y.
Application September 18, 1934, Serial No. 53,315
Term of patent 14 years



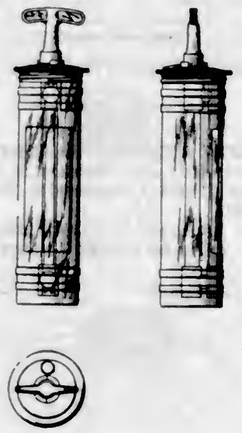
The ornamental design for a playground apparatus, as shown.

93,826
DESIGN FOR A PORTABLE HAND FIRE EXTINGUISHER
Charles K. Huthsing, Clayton, Mo.
Application March 30, 1934, Serial No. 51,258
Term of patent 7 years



The ornamental design for a portable hand fire extinguisher, substantially as shown.

93,827
DESIGN FOR A PORTABLE HAND FIRE EXTINGUISHER
Charles K. Huthsing, Clayton, Mo.
Application March 30, 1934, Serial No. 51,259
Term of patent 7 years



The ornamental design for a portable hand fire extinguisher, substantially as shown.

93,828
DESIGN FOR A WINDOW SHADE CORD RING
Samuel J. Johnson, Cincinnati, Ohio, assignor, by mesne assignments, to Clopay Corporation, Baltimore, Md., a corporation of Maryland
Application October 20, 1932, Serial No. 45,423
Term of patent 14 years



The ornamental design for a window shade cord ring as shown.

93,829
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application August 24, 1934, Serial No. 53,052
Term of patent 7 years



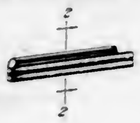
The ornamental design for a finger ring, as shown and described.

93,830
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application August 24, 1934, Serial No. 53,053
Term of patent 7 years



The ornamental design for a finger ring, as shown and described.

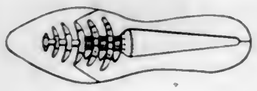
93,831
DESIGN FOR A RAIL FOR A BABY CARRIAGE OR THE LIKE
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application January 4, 1934, Serial No. 50,309
Term of patent 7 years

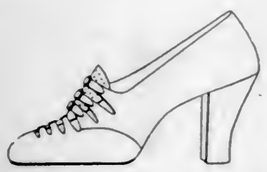




The ornamental design for a rail for a baby carriage or the like as shown.

93,832
DESIGN FOR A SHOE
Vergil C. Lipscomb, St. Louis, Mo., assignor to Wohl Shoe Company, St. Louis, Mo., a corporation
Application July 30, 1934, Serial No. 52,744
Term of patent 3½ years





The ornamental design for a shoe, as shown.

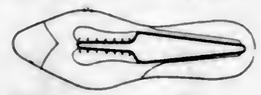
93,833
DESIGN FOR A SHOE
Vergil C. Lipscomb, St. Louis, Mo., assignor to Wohl Shoe Company, St. Louis, Mo., a corporation
Application July 30, 1934, Serial No. 52,745
Term of patent 3½ years





The ornamental design for a shoe, as shown.

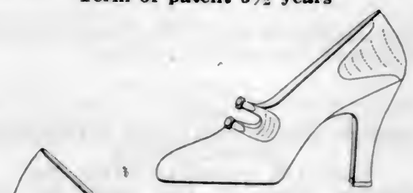
93,834
DESIGN FOR A SHOE
Vergil C. Lipscomb, St. Louis, Mo., assignor to Wohl Shoe Company, St. Louis, Mo., a corporation
Application July 30, 1934, Serial No. 52,746
Term of patent 3½ years

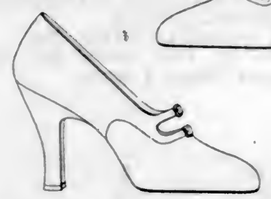




The ornamental design for a shoe, as shown.

93,835
DESIGN FOR A SHOE
Vergil C. Lipscomb, St. Louis, Mo., assignor to Wohl Shoe Company, St. Louis, Mo., a corporation
Application August 6, 1934, Serial No. 52,845
Term of patent 3½ years

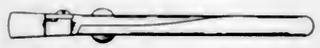




The ornamental design for a shoe, as shown.

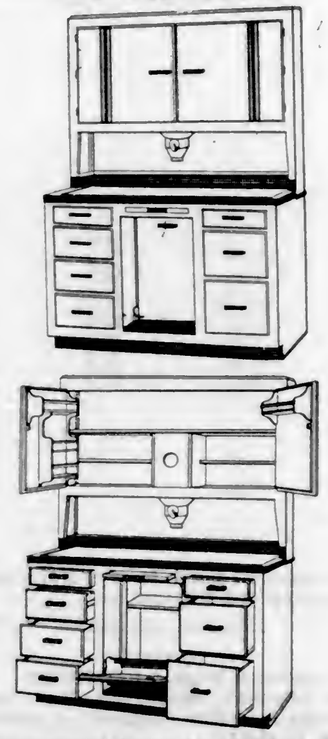
93,836
DESIGN FOR A RIND STRIPPER
Carl H. Marquardt and Earnest A. Countryman, Long Beach, and Linnaeus S. Newton, Lynwood, Calif.
Application February 2, 1934, Serial No. 50,602
Term of patent 7 years





The ornamental design for a rind stripper, as shown, and described.

93,837
DESIGN FOR A KITCHEN CABINET
Emmett G. McQuinn, New Castle, Ind., assignor to Hoosier Manufacturing Company, New Castle, Ind., a corporation
Application July 2, 1934, Serial No. 52,581
Term of patent 7 years



The ornamental design for a kitchen cabinet, as shown and described.

93,838
DESIGN FOR A BOOT OR SIMILAR ARTICLE
Charles Miller, Long Island City, N. Y.
Application September 27, 1934, Serial No. 53,408
Term of patent 14 years



The ornamental design for a boot or similar article as shown and described.

93,839
DESIGN FOR MARZIPAN CANDY
Walter Molzahn, Chicago, Ill.
Application January 24, 1934, Serial No. 50,492
Term of patent 3½ years

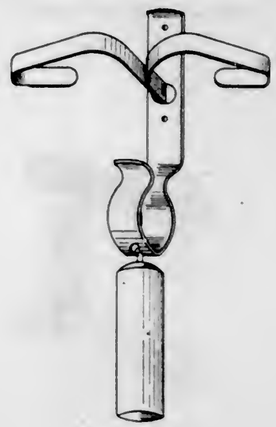






The ornamental design for marzipan candy as shown.

93,840
DESIGN FOR A COMBINATION NECKTIE RACK AND PRESS
Edward Eugene Moreau, Chicago, Ill.
Application September 4, 1934, Serial No. 53,190
Term of patent 14 years



The ornamental design for a combination necktie rack and press, substantially as shown.

93,841
DESIGN FOR A SMOKING STAND
Theodore Nagel, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 21, 1934, Serial No. 53,349
Term of patent 7 years



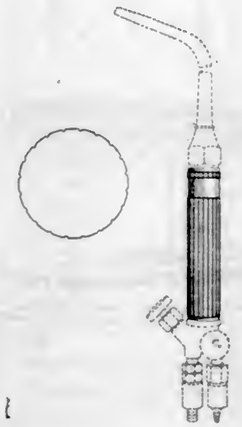
The ornamental design for a smoking stand, as shown.

93,842
DESIGN FOR A BLOWPIPE
Laurence Oliphant, Maplewood, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 19, 1930, Serial No. 37,717
Term of patent 14 years



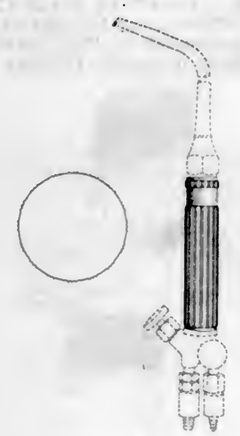
The ornamental design for a blowpipe substantially as shown and described.

93,843
DESIGN FOR A BLOWPIPE
Laurence Oliphant, Maplewood, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 19, 1930, Serial No. 37,718
Term of patent 14 years



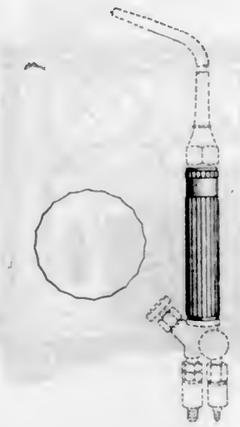
The ornamental design for a blowpipe substantially as shown and described.

93,844
DESIGN FOR A BLOWPIPE
Laurence Oliphant, Maplewood, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 19, 1930, Serial No. 37,719
Term of patent 14 years



The ornamental design for a blowpipe substantially as shown and described.

93,845
DESIGN FOR A BLOWPIPE
Laurence Oliphant, Maplewood, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 19, 1930, Serial No. 37,720
Term of patent 14 years



The ornamental design for a blowpipe substantially as shown and described.

93,846
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application September 22, 1934, Serial No. 53,363
Term of patent 3½ years



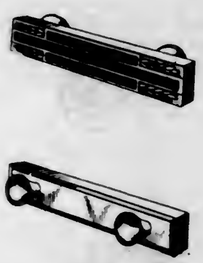
The ornamental design for a shoe, as shown.

93,847
DESIGN FOR AN ICE CREAM CONE OR SIMILAR ARTICLE
Howell F. Preddy, San Francisco, Calif.
Application May 8, 1934, Serial No. 51,717
Term of patent 14 years



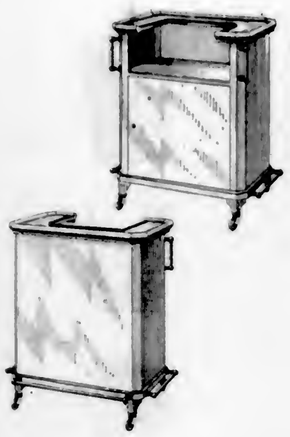
The ornamental design for an ice-cream cone, or similar article, as shown.

93,848
DESIGN FOR A HANDLE OR SIMILAR ARTICLE
Kurt Rettich, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application July 16, 1934, Serial No. 52,601
Term of patent 3½ years



The ornamental design for a handle or similar article as shown and described.

93,849
DESIGN FOR A PORTABLE BAR OR SIMILAR ARTICLE
Harry Rodstein and Isidore Nathanson, Brooklyn, N. Y.
Application February 12, 1934, Serial No. 50,703
Term of patent 3½ years



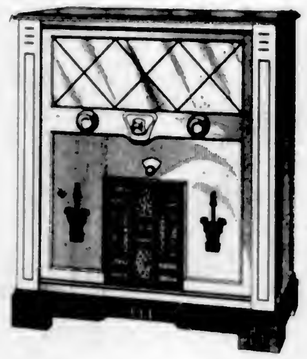
The ornamental design for a portable bar or similar article as shown.

93,850
DESIGN FOR A MACARONI
Angelo Ronzoni, New York, N. Y.
Application August 4, 1934, Serial No. 52,806
Term of patent 14 years



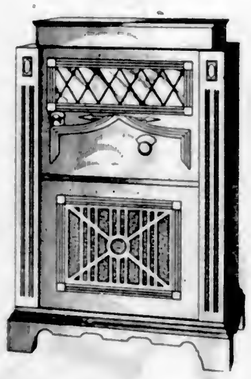
The ornamental design for a macaroni, as shown.

93,851
DESIGN FOR A CABINET FOR PHONOGRAPHS OR THE LIKE
Theodore E. Samuelson, Chicago, Ill., assignor to The John Gabel Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1934, Serial No. 53,305
Term of patent 7 years



The ornamental design for a cabinet for phonographs or the like, substantially as shown.

93,852
DESIGN FOR A CABINET FOR PHONOGRAPHS OR THE LIKE
Theodore E. Samuelson, Chicago, Ill., assignor to The John Gabel Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1934, Serial No. 53,306
Term of patent 7 years



The ornamental design for a cabinet for phonographs or the like, substantially as shown.

93,853
DESIGN FOR A SHOE
Edmond Saugues, Long Island City, N. Y.
Application September 26, 1934, Serial No. 53,400
Term of patent 3½ years



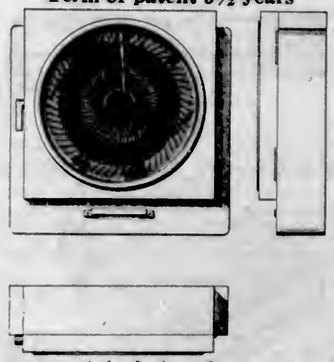
The ornamental design for a shoe, as shown.

93,854
DESIGN FOR A COMBINED COFFEEPOT, CREAM PITCHER, AND SUGAR CONTAINER
Emil A. Schuelke, Meriden, Conn., assignor to The Napier Company, Meriden, Conn., a corporation
Application September 14, 1934, Serial No. 53,285
Term of patent 14 years



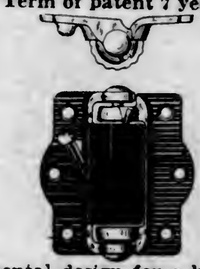
The ornamental design for a combined coffeepot, cream pitcher, and sugar container substantially as shown.

93,855
DESIGN FOR A RECORDING INSTRUMENT
Frederic J. Suhr, New York, N. Y., assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application September 5, 1934, Serial No. 53,200
Term of patent 3½ years



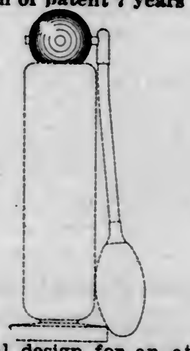
The ornamental design for a recording instrument as shown.

93,856
DESIGN FOR A HINGE FOR SCREEN DOORS AND THE LIKE
Harold L. van Doren, Toledo, Ohio, assignor to The Champion Hardware Company, Geneva, Ohio, a corporation of Ohio
Application August 29, 1934, Serial No. 53,103
Term of patent 7 years



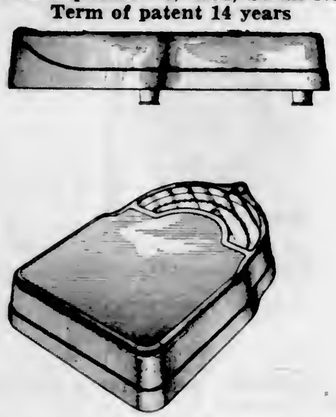
The ornamental design for a hinge for screen doors and the like substantially as shown.

93,857
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application August 27, 1934, Serial No. 53,082
Term of patent 7 years



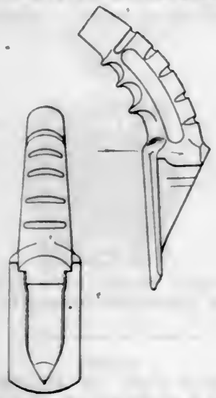
The ornamental design for an atomizer substantially as shown and described.

93,858
DESIGN FOR A WEIGHING SCALE
Mathias J. Weber and Russell E. Vanderhoff, Chicago, Ill., assignors to Continental Scale Works, Chicago, Ill., a corporation of Illinois
Application September 8, 1934, Serial No. 53,242
Term of patent 14 years



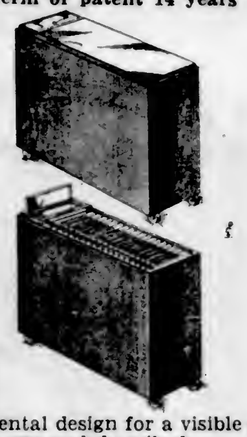
The ornamental design for a weighing scale as shown.

93,859
DESIGN FOR A CAN OPENER
Ozro N. Wiswell, Los Angeles, Calif.
Application June 22, 1934, Serial No. 52,278
Term of patent 14 years



The ornamental design for a can opener as shown.

93,860
DESIGN FOR A VISIBLE CARD INDEX CABINET
Carl F. Wolters, Buffalo, N. Y.
Application February 20, 1934, Serial No. 50,785
Term of patent 14 years



The ornamental design for a visible card index cabinet, as shown and described.

93,861
DESIGN FOR A SHOE
Bogislavs Zegorav, New York, N. Y.
Application September 22, 1934, Serial No. 53,369
Term of patent 3½ years



The ornamental design for a shoe, as shown.

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November 20, 1934

Trade-Marks	283—No.	319,133 to No.	319,415, inclusive.
T. M. Renewals	31		
Labels	23—No.	44,659 to No.	44,681, inclusive.
Prints	2—No.	14,921 to No.	14,922, inclusive.
Reissues	5—No.	19,374 to No.	19,378, inclusive.
Plant Patents	2—No.	112 to No.	113, inclusive.
Patents	871—No.	1,980,973 to No.	1,981,843, inclusive.
Designs	43—No.	93,862 to No.	93,904, inclusive.
Total	1,260		

Disclaimers

1,852,550.—*Sedgwick N. Wight*, Rochester, N. Y. Train Dispatching Systems for Railroads. Patent dated April 5, 1932. Disclaimer filed October 23, 1934, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer to claims 6 and 7 of said Letters Patent, which are in the following words, to wit:

"6. In a railway switch and signal control layout, the combination with a distant track switch, a signal associated with said track switch, a detector track circuit for said switch, a line circuit connecting a local dispatcher's office and said lay-out for controlling said signal subject to traffic conditions ahead, an approach section separate from said detector track circuit, means for preventing operation of said track switch when said approach section is occupied unless it became occupied after said signal was put to stop, and means independent of said signal for indicating occupancy of said approach section over said line circuit.

"7. In a railway switch and signal control layout, the combination with a distant track switch, a switch machine for controlling said switch, a signal associated with said track switch, a detector track circuit for said switch, a line circuit connecting a local dispatcher's office and said lay-out for controlling said switch machine and controlling said signal subject to traffic conditions ahead, an approach section separate from said detector track circuit, means for preventing operation of said track switch when said approach section is occupied unless it became occupied after said signal was put to stop, and means independent of said signal for indicating occupancy of said approach section over said line circuit."

1,890,948.—*Richard Pasternack* and *Richard W. Burnham*, Brooklyn, N. Y. Cheese and Method of Processing Same. Patent dated December 13, 1932. Disclaimer filed October 24, 1934, by the assignee, *Charles Pfizer & Company*, the patentees, assenting, ratifying, and confirming.

Hereby disclaims from said Letters Patent claims 1, 2, 3, 4, and 9 thereof as follows:

"1. A product comprising sterilized cheese and a soluble gluconate.

"2. The method of processing cheese comprising adding to the cheese a small proportion of a soluble salt of gluconic acid, heating the mass to a temperature high enough to destroy undesirable bacteria contained in the cheese but not sufficiently high to disintegrate the cheese, and maintaining the temperature until the cheese is sterilized.

"3. The method of processing cheese comprising mixing two or more kinds of cheese together, adding to the mixture a small proportion of a soluble salt of gluconic acid, heating the mass to a temperature high enough to destroy undesirable bacteria contained in the cheese but not sufficiently high to disintegrate the cheese, and maintaining the temperature until the cheese is sterilized.

"4. A product comprising sterilized cheese and calcium gluconate."

"9. The method of processing cheese comprising adding to the cheese a small proportion of calcium gluconate, heating the mass to a temperature high enough to destroy undesirable bacteria contained in the cheese but not sufficiently high to disintegrate the cheese, and maintaining the temperature until the cheese is sterilized."

1,946,216.—*Fullerton S. Kinkead*, New York, N. Y. Teletypewriter. Patent dated February 6, 1934. Disclaimer filed October 25, 1934, by the assignee, *Bell Telephone Laboratories, Incorporated*.

Therefore enters this disclaimer to the said claims of said Letters Patent as follows:

The combination defined by claim 7 is disclaimed except when the dialing device at each station is a numerical dial and the selection of a station is accomplished by apparatus including a selector switch of the type which operates in response to each group of impulses sent from the dial and registers each numerical group of impulses.

And the combination of claim 10 is disclaimed except when each station includes a recording magnet which records the first setting of the selector switch which thereafter returns to normal and steps forward in response to a subsequent group of impulses for controlling apparatus to make the desired selection.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Condition of Applications Under Examination at Close of Business November 3, 1934

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 37,041; Trade-Mark Division, 865. Oldest new case, June 3, 1934; oldest amended, June 3, 1934.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 4	Aug. 24	413
6708	2. HERRMANN, D., Fishing and Trapping; Dairy; Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Aug. 13	Aug. 15	529
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 3	Aug. 3	633
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Aug. 22	Aug. 13	280
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Aug. 6	Aug. 11	480
4898C	6. LEWERS, A. M., Carbon Chemistry	July 12	July 18	934
5725	7. JARBOE, C. G., Optics; Photography	Aug. 6	Aug. 6	724
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 18	Aug. 22	276
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 21	Aug. 24	378
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	July 25	July 28	422
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 5	July 7	585
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	July 7	July 7	518
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 16	Aug. 14	411
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 23	July 18	443
4807	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 6	Aug. 6	764
5612	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 3	Aug. 3	493
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 4	Sept. 4	318
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 9	July 10	767
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 9	July 30	619
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking.	Aug. 11	Aug. 13	214
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 16	July 18	623
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	July 16	July 16	860
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	June 5	June 6	491
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 6	Aug. 6	519
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 21	July 21	596
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Aug. 23	Aug. 20	288
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Aug. 2	Aug. 2	498
4628	28. BENSON, A. R., Internal-Combustion Engines	July 31	July 27	494
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	Aug. 3	Aug. 3	531
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 3	Aug. 3	536
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	July 9	July 5	826
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Aug. 5	Aug. 6	333
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	July 5	July 7	734
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	June 3	June 3	876
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	July 17	July 20	708
7024	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	July 13	July 5	516
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light Sensitive Circuits	July 7	July 10	631
7810	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	July 14	July 19	490
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 4	Aug. 4	585
7890	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 27	July 27	904
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 4	Aug. 4	524
5882	42. CUTTING, H. C., Electric Signaling	July 5	July 3	730
4086B	43. KLINOE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	June 27	June 27	721
4087B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	July 3	July 3	779
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Aug. 13	Aug. 22	376
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Aug. 17	Aug. 17	363
7600	47. BARKER, H., Clutches; Brakes	Aug. 2	Aug. 2	748
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 12	July 11	518
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 7	July 2	673
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	July 5	July 5	810
5628	51. BACKUS, C. D., Radiant Energy	Aug. 17	Aug. 17	590
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	Aug. 8	Aug. 11	640
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 9	Aug. 15	474
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	July 21	July 23	663
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Sept. 5	Sept. 10	317
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	July 7	July 5	810
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Aug. 10	Aug. 20	267
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 10	Aug. 4	365
4709	59. RICHARD, V. I., Chemistry; Fertilizers	June 26	June 26	698
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	July 13	July 13	545
6724	61. PARKS, C. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus	Aug. 17	Aug. 31	237
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Aug. 3	Aug. 3	606
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	July 17	July 17	537
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	Aug. 3	Aug. 3	843
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 6	July 6	506
2099D	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND. {Trade-Marks	Oct. 8	Oct. 20	758
	{Labels and Prints	Oct. 19	Oct. 29	107
2605	DESIGNS, H. H. KALUPY (Act.)	Oct. 5	Oct. 20	452

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ACKERMAN

No. 3,194. Decided June 12, 1934

[71 F.(2d) 198]

PATENTABILITY—MACHINE FOR PRODUCING PERFORATED TAPES.

Claims for a machine for producing perforated tapes *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Morrison, Kennedy & Campbell and *Mr. Luther E. Morrison* for Ackerman.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1 to 20, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in a machine for producing perforated tapes—

adapted to control the release of matrices and spacers of typographical composing machines, such as linotype machines.

Claims 1, 10, and 16 are illustrative. They read:

1. In a machine for producing a perforated tape adapted to control the release of matrices and spacers of a typographical composing machine, the combinations of a tape perforating apparatus, means for feeding the tape therethru, a keyboard controlling the operation of the perforating apparatus and adapted to produce in the tape a series of symbols representative of a line of matrices and spacers to be released by the tape, a set of indicators varying in thickness to correspond to the matrices and spacers of said typographical composing machine, and means actuated by the keyboard for composing in line, one at a time as each symbol is produced in the tape, a series of indicators corresponding in thickness to the matrices and spacers represented by said symbols; whereby the operator may determine with accuracy the number of symbols which should be made in the tape to compose a line of matrices and spacers of a given length.

10. A perforating machine including, in combination, a perforating mechanism, a composing mechanism, and a single keyboard for operating both of said mechanisms simultaneously.

16. A perforating machine including, in combination, a tape perforating mechanism for producing a series of symbols representative of a line of characters to be reproduced by the tape, a keyboard controlling the operation of said perforated apparatus, a magazine containing a set of typographical elements, escapements controlling the release of said elements from the magazine, a series of escapement actuating reeds, power-operated devices for actuating the reeds, a corresponding series of trip dogs for controlling the operation of the reeds, spring-actuated slides for actuating the trip dogs, and intermediate devices operable automatically and controlled by the actuation of the various finger keys of the keyboard for releasing the slides to actuate the trip dogs, and for locking them in their inactive position against the tension of their actuating springs.

The references are: Nicholas et al., 964,678, July 19, 1910, and Wolters et al., 1,608,012, November 23, 1926.

The patent to Nicholas et al. relates to a type-composing machine. It discloses a keyboard, an indicator, which includes, among other things, a dial and a pointer and a set of punches. The tape perforators or punches are operated directly from the keyboard.

The keys simultaneously actuate the punches and register on the indicator the length of line set up.

The patent to Wolters et al. discloses a linotype machine having a magazine operated by a keyboard. Matrices are dropped on an inclined belt and assembled in a "collector."

The length of line can be varied and pointers indicate the length set on a scale * * *. When a line is completed it is fed to the usual elevator and redistributing mechanism.

Lugs or notches on the matrices actuate the perforating mechanism by "sensing feelers."

The notches are arranged in code combination to actuate punches which perforate a code that may be sensed in a type-casting machine.

Appellant's device consists of a perforating mechanism, a composing mechanism, and, as stated in claim 10, a keyboard for operating "both of said mechanisms simultaneously." All of the appealed claims, except 5 and 13 to 16, inclusive, were rejected by the tribunals of the Patent Office on the ground that it did not involve invention to "substitute in the modern linotype of Wolters et al. the electrical punch means of Nicholas et al."

Claims 5 and 13 to 16, inclusive, were rejected on the ground that they did not define a true combination, but rather an aggregation, of parts.

With reference to claims 1 to 4, inclusive, 6 to 12, inclusive, and 17 to 20, inclusive, the Board of Appeals, among other things, said:

The machine of Wolters et al. anticipates applicant's machine to the extent that it has the same or any desired capacity to handle a wide range of sizes of type. The two machines are alike in that they operate on blanks or indicators imitating type in size and utilise them to measure off lines. They differ in the way in which the measured lines are transferred in code to the tape. Every condition of the appealed claims 1 to 4, 6 to 12 and 17 to 20 is satisfied by broadly associating the perforating mechanism of Nicholas et al. with the keyboard and line assembling means of Wolters et al. This requires no more than disconnecting the Nicholas et al. perforater from the Nicholas et al. keybord and connecting it in the same way in the Wolters et al. machine. The operator would then observe the line asembling [assembling] element of Wolters et al. instead of the dial of the Nicholas et al. meter. This alteration or substitution does not accomplish any new unobvious result. In the above association the Wolters et al. perforating mechanism could continue to operate if desired or be disconnected. In either case the Nicholas et al perforating attachment would work in the way it was intended and produce the same result as applicant's perforator. Such broad association of these known features is not believed to constitute patentable merit.

With reference to claims 5 and 13 to 16, inclusive, the Board stated:

Claims 5 and 13 to 16 have been rejected on the ground of aggregation. This relates to the specific mechanism for operating the matrix or blank feeding elements, and appears to be, as noted by the Examiner, purely an improvement relating to details of conventional composing or linotype machines. These details appear to be altogether independent of the above-discussed combination of a composing machine and tape-perforating mechanism. We agree with the Examiner's conclusion that this detail is merely aggregative in this relation and should be claimed as a separate subject of improvement. The Examiner, however, points out that the details of it read fairly upon the mechanism of Wolters et al. and would not constitute patentable matter.

It is conceded by counsel for appellant that the patent to Wolters et al. discloses, in combination, the three elements defined in the appealed claims. It is contended, however, that those elements are combined in an altogether different way in the Wolters et al. patent; that is, the patentee's "keyboard operates only the composing mechanism by which the

circulating elements are set up in line, and the tape perforating mechanism is operated, not by the keyboard, but by the circulating elements thus composed in line," whereas in appellant's machine the perforating mechanism and the composing mechanism are both operated simultaneously by the keyboard; that appellant's combination is broadly new; and that, as it is neither anticipated nor suggested by either of the references, it involves invention and is patentable.

Appellant points out in his specification that his combined perforating and composing machine, made up of three units, to wit, a perforating mechanism, a composing mechanism, and a keyboard for operating the perforating and composing mechanisms simultaneously,

may be of any well known or approved construction so long as they [the units] are combined in such manner that the composing operations take place simultaneously with the perforating operations.

We have carefully considered the arguments of counsel for appellant in connection with the clear and comprehensive discussion of the issues by the Primary Examiner and by the Board of Appeals, and have reached the conclusion that the tribunals of the Patent Office were right in holding that it did not involve invention to combine the two references so as to simultaneously operate the perforating mechanism and the composing mechanism by a single keyboard in the manner set forth in claims 1 to 4, inclusive, 6 to 12, inclusive, and 17 to 20, inclusive. We are also of opinion that claims 5 and 13 to 16, inclusive, are unpatentable for the reasons stated in the decisions below. See *In re Henry Hueber and Erwin C. Horton*, patent appeal No. 3,291, decided May 31, 1934, 21 C. C. P. A. (Patents) ——, 71 F.(2d) 198.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MACGREGOR *v.* JOHNSTON

JOHNSTON *v.* MACGREGOR

Nos. 3,312 and 3,313. Decided June 12, 1934

[71 F.(2d) 165]

1. INTERFERENCE—PRIORITY—EVIDENCE.

Evidence reviewed and *Held* insufficient to establish that J. made the invention at the date claimed by him since "we do not feel that the junior party should prevail simply upon the arbitrary oral statements that the occurrences took place in 1925. The memories of men are too treacherous to admit of blind reliance upon them, and of all the records which it seems that the appellant, Johnston, might have produced in the way of documentary evidence, tending to support the alleged dates, nothing really helpful was produced."

2. SAME—SAME.

Held that MacG. is entitled to the award of priority as to all the counts in issue.

APPEAL from the Patent Office. Modified.

Messrs. Fisher, Clapp, Soans & Pond and *Mr. Cyril A. Soans* for MacGregor.

Mr. Henry P. Doolittle and *Mr. Paul O. Pippel* for Johnston.

GARRETT, *J.*:

These are cross appeals from a decision of the Board of Appeals of the United States Patent Office awarding priority to the party MacGregor upon one count, involved in an interference, and priority to the party Johnston upon the other eight counts so involved. In the decision of the Examiner of Interferences MacGregor was awarded priority on all the counts, numbered 1 to 9 consecutively, but the Board reversed as to all except count 1.

Count 1, priority upon which stands awarded to MacGregor, reads:

Count 1. In a machine of the class described having a harvester part foldable rearwardly in a horizontal plane, a fixed grain wheel supporting the harvester in its normal cutting position, and means whereby the same wheel may support the harvester in its folded position and function as a trailing caster wheel.

Of the eight counts upon which priority stands awarded to Johnston, count 7 is regarded as fairly representative:

Count 7. In a machine of the class described, a thresher, a harvester, a support for the harvester, means connecting the support to the thresher for folding the harvester alongside the thresher, a caster-wheel supported by the harvester, and detachable means for locking the wheel to the support to position and maintain said wheel for rotation in the direction of travel of the harvester during cutting operations and for unlocking the wheel to swivel as the harvester is being folded and while traveling in folded position alongside the thresher.

The counts relate to alleged improvements in a combination harvester and threshing machine, commonly referred to as a "combine." Although general use of such machines is understood by us to be of compartively recent development, it was stated, during the argument, that a patent for a device involving the "combine" idea was granted almost, or quite, a century ago.

In these machines the thresher unit is placed upon a platform mounted on wheels. The harvester portion, included in which is the header, is attached at a side of the threshing unit. As the combined machine is drawn through the grain field the heads of grain, with as little of the straw as possible, are cut by the harvester blade and by means of an endless belt or the like, delivered into the thresher where it is threshed, the threshed grain being conveyed into a receptacle carried on or about the platform, from which receptacle it is withdrawn from time to time as desired.

The harvester part is connected with the threshing unit flexibly so that it may be folded rearwardly alongside the thresher and thus, when being transported, or when stored, occupy less space than when in operation in the field. At the outer end of the blade-carrying element, or header, there is a wheel which supports the element. This is known as the grain wheel. When the device is in operation the grain wheel is in fixed position rotating along a relatively fixed line in the direction of travel of the harvester. When the machine is being transported with the harvester part folded rearwardly it is desirable to have, at the end of and supporting the header, a wheel which will caster. It seems that formerly it was the practice to change wheels for the accomplishment of the respective ends of cutting and transporting.

The improvement here involved relates to a combination including means whereby the wheel may be locked in position to serve satisfactorily as a grain wheel during the cutting operation, and unlocked so that it will swivel and serve as a caster-wheel during transportation.

The MacGregor appeal, being first in its docket number, will be first considered.

MacGregor is the senior party, his application, Serial No. 85,197, having been filed February 1, 1926. The application of Johnston, Serial No. 134,992, was filed September 13, 1926.

The original preliminary statement of MacGregor alleged conception on or about November 21, 1925; explanation of the invention to others on or about November 21, 1925; the making of drawings on or about November 27, 1925; completion of a full size machine on or about February 24, 1926, and successful operation on or about February 26, 1926. It also states the manufacture and sale by MacGregor's assignee of 250 machines up to the time of filing of the statement November 17, 1930.

Subsequently MacGregor was permitted to file an amended preliminary statement, but this affects only count 1, priority upon which was awarded to him, and this action will not be here discussed.

Johnston's preliminary statement alleges conception on or about July 1, 1925; first explanation to others on or about July 1, 1925; the completion of a full size machine on or about August 1, 1925; and successful operation thereof—

on or about the 7th day of August, 1925, or shortly thereafter.

It states that Johnston's assignee had manufactured several hundred machines "for use and sale."

Counts 2–9, inclusive

The controversy with respect to counts 2–9, inclusive, is solely one of fact, the question being whether Johnston actually reduced to practice in 1925, as he alleges. The Examiner of Interferences held the evidence introduced on behalf of Johnston insufficient to show reduction to practice by him at any time prior to MacGregor's filing date. He further held that there was no definite evidence as to any activity on the part of Johnston during the first half of 1926 and that Johnston, therefore, had clearly failed to show diligence after MacGregor entered the field. The Board of Appeals holding the evidence to be sufficient to show reduction to practice at Rexburg, Idaho, in August, 1925, found that Johnston had reduced to practice prior to MacGregor's claimed date of conception.

It resulted that neither of the tribunals of the Patent Office found it necessary to discuss MacGregor's proofs, and no specific dates other than (by implication) the filing date are awarded MacGregor in either decision.

It may be stated that, at the time of his alleged invention, Johnston was director of engineering of the International Harvester Company, the assignee of his application, and MacGregor, at the time of his alleged invention, was a mechanical engineer for J. I. Case & Company, the assignee of his application.

All the evidence on behalf of both parties was taken in the year 1931, or some six years after Johnston's claimed dates.

Since the decisions of the tribunals of the Patent Office as to counts 2 to 9 are in direct conflict upon the question of fact, it has been necessary for this court to examine the evidence with much care—particularly that introduced on behalf of Johnston. Insofar as questions of fact are concerned there is no serious controversy with respect to the evidence on behalf of MacGregor.

Johnston, in his testimony, claims that he conceived the invention about June 15, 1925, during field trials of harvesting machinery which took place in that month in the vicinity of Hutchinson, Kans.; that it was the custom of himself and others of the engineering executives of his company to attend the trials at Hutchinson which were held annually; that several of his associates were present with him, among them being Messrs. Arthur Johnson, C. R. Crumb, and Lee Millard, all of whom subsequently testified in the case; that he discussed the invention at the time with persons there at Hutchinson; that they returned to Chicago some time between the 25th of June and the 5th or 6th of July, 1925; that "in accordance with custom", upon the arrival of the engineering executives at Chicago, the operating engineering department was instructed to proceed with the design and development of a machine incorporating the invention; that one A. L. Johnson was instructed to proceed with the work and—

to send Messrs. Charles Crumb and Lee Millard down to • • • office to attend a conference where they would receive full instructions;

that they attended, returned to the works and—

proceeded to make layouts of this construction;

that the conference occurred at the office of a Mr. A. C. Lindgren, one of the engineering executives; that there were present besides himself and Lindgren, Messrs. C. R. Raney, Arthur Johnson, C. R. Crumb and Lee Millard; that a drawing was made as a result of the conference; that a machine, known as "harvester thresher No. 57" was made up and, in August, 1925, shipped by express to Rexburg, Idaho, where it was assembled by himself and others, naming a Mr. Willis, C. R. Raney, A. L. Johnson, and A. E. McKinstry; that arrangements were made with a farmer who was operating a farm approximately 12 miles from Rexburg to come in and haul the machine out to his farm; that at places the roads were so narrow that the machine had to be hauled; that as it went forward (we assume meaning under its own power) the transportation features, including the "caster carrying wheel", performed entirely satisfactorily; that after being operated in the vicinity of Rexburg in August, 1925, the machine was returned "with other experimental machines" to the Deering Works in Chicago,

and after it had been preserved a sufficient length of time to serve our purpose it was destroyed.

Johnston further testified that his wheel construction was embodied in a machine known as "the No. 9" made in November or December, 1925, and later "put into regular production." One of these seems to have been shipped to South America. No use of it was shown, and there is no reliance upon it for reduction to practice.

It is said by the Board of Appeals that Johnston's application drawings correspond with the—

November machine rather than with the machine tested in August and September,

but the Board held that the drawings claimed to have been made in July, 1925, for construction of the device claimed to have been tested at Rexburg, disclosed the invention.

Certain photographs of "the No. 9" machine were introduced in evidence. Their relevancy and admissibility will be later discussed.

The foregoing is, we feel, a fair statement of the substance of Johnston's testimony, and upon various points there is corroboration by the witnesses Crumb, Millard, Hrizak, McKinstry, and Arthur Johnson. We shall not attempt detailed paraphrases of their evidence.

As we view the case, the serious question is whether Johnston has satisfactorily established that the occurrences testified to took place in 1925 rather than in 1926. We do not overlook the fact that he is not required to prove his case beyond a reasonable doubt, but only by a preponderance of the evidence. But has he succeeded in producing satisfactory evidence which, in any proper meaning of the word, preponderates?

The Examiner of Interferences made a most careful and critical analysis of the evidence, and forcefully pointed out the absence of proof as to many relevant matters and the failure to explain why such proof was not offered.

Johnston contented himself with showing by the oral testimony of himself and fellow employes of the actual party in interest—International Harvester Company—the occurrences at Hutchinson, Kans., and at Rexburg, Idaho. That these occurrences took place we do not doubt, but in what year?

It was the custom of the engineering executives of the International Harvester Company to go annually to Hutchinson for the trials of harvesting machinery, and the witnesses who went to Rexburg were not even asked whether they were there in any other year than 1925.

They were testifying at a period long after the occurrences. As an aid to their memories relative to when the occurrences took place they cited no events or incidents of moment—indeed nothing material save some expense accounts for the trips. These accounts were not introduced in evidence, the witnesses simply having looked at them to refresh their memories, and the meager evidence respecting them is quite unsatisfactory. The record does not disclose that any item of the expense accounts actually related to the machine itself and not even the date when the accounts were filed is shown. One of the witnesses does say that his memory of the whole job of designing the machine was refreshed by thinking over the things that happened that year, they being "extraordinary" in his experience, but he does not state what the "things that happened" were, nor why they were "extraordinary." The farmer at Rexburg, Idaho, who was employed to assist in transporting the machine to his farm was not called as a witness and no explanation is offered as to why he was not. No record of the sale of any machine embodying the invention was produced. One of the witnesses testified that one of the No. 9 machines was placed upon display at an exhibition in Kansas City in the early part of 1926, but no documentary evidence as to its shipment or handling is offered, nor is there produced any documentary evidence relating to the shipment of the machine said to have been sent for test to South America.

The introduction of the photographs of the No. 9 machine were objected to because it was urged that the negatives themselves would be the best evidence. Some, at least, of the photographic exhibits were stated by the photographer witness to have been made from the negatives only a short time before his testimony was given.

We are of the opinion that these photographs are of practically no evidentiary value, and that they probably should have been excluded entirely under the facts developed in the record.

The vellum sheet whereon the drawings are alleged to have been made in July, 1925, is certainly in a most unsatisfactory condition. The lower right hand corner of the sheet, where it is customary to place the dates and initials is torn away and the figures "7—12—25" with the initials "LPM" (stated to be the initials of the witness Lee P. Millard who testified that he made the drawings) appear in the lower left hand corner in pencil marks so dim as that they now can be read only with the aid of a magnifying glass, although all other lines and notations of the drawings are reasonably clear.

It is, to say the least of it, most unusual for a concern, such as the International Harvester Company, having a drafting force and a body of trained engineers and experts, such as the record clearly indicates it does have, to treat so carelessly vital papers relating to patent matters. Usually such concerns are scrupulously careful of their records and drawings, and extreme care is taken in the notation of dates and all other matters material to the identification of such drawings. This is not a case where an inexperienced individual inventor was struggling with the solution of a problem. The individuals connected with this controversy, upon both sides, were experienced experts in their respective lines of activity.

When the record is considered as a whole, including the fact that, although the machine tested in Rexburg is said to have worked perfectly in August, 1925, the application for patent was not filed until September, 1926, and all the circumstances surrounding the parties and the occurrences are looked to, we do not feel that the junior party should prevail simply upon the arbitrary oral statements that the occurrences took place in 1925. The memories of men are too treacherous to admit of blind reliance upon them, and of all the records which it seems that the appellant, Johnston, might have produced in the way of documentary evidence tending to support the alleged dates, nothing really helpful was produced. It seems to have been a case in which the effort was to see how little, rather than how much, could be proven.

We concur with the conclusion of the Examiner rather than with that of the Board of Appeals.

Count 1

As to count 1 involved in the cross appeal of Johnston little need be said here in view of our conclusion as to the other counts, because count 1 is in the same category as the others in respect to the reasons which control our decision relative to them. The issue relating to the amendment of MacGregor's preliminary statement and the issue as to estoppel, therefore, need not be considered.

The decision of the Board of Appeals is modified, being affirmed as to count 1, and reversed as to counts 2 to 9, inclusive.

Modified.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

PHELAN *v.* GREEN

Nos. 3,308 and 3,309. Decided June 12, 1934

1. INTERFERENCE—APPEAL—WHAT MAY BE CONSIDERED.
   "It is well established that the question of the right of a party to secure a patent cannot be raised in this court on appeals in interference proceedings. In such cases the jurisdiction of this court is confined to the question of priority of invention and to such ancillary questions as may be involved therein."
2. SAME—SAME—ESTOPPEL.
   Where G. copied the claim of P.'s patent within two years of its issuance but more than two years after the issuance of a patent to M., disclosing but not claiming the invention, *Held* that the question whether G. is estopped, by his delay after the issuance of the M. patent, to claim a patent on this invention, is not relevant to the question of priority between G. and P. and may not be considered on appeal from the award of priority.
3. SAME—SAME.
   Held that priority was properly awarded to P., it being conceded that he was the first to conceive the invention and the first to reduce it to practice.

APPEAL from the Patent Office. Affirmed.

Messrs. Jones, Addington, Ames & Seibold, Mr. George W. Hansen, and *Mr. Sidney Neuman* for Phelan.

Mr. A. D. Salinger and *Mr. C. E. Tullar* for Green.

LENROOT, *J.:*

These are appeals in two interference proceedings from decisions of the Board of Appeals of the United States Patent Office affirming decisions of the Examiner of Interferences awarding priority of invention in each of said interferences to appellee, Green.

With regard to interference No. 57,506 it is only necessary here to say that counsel for appellant, at the oral hearing of these appeals, abandoned the appeal in said interference; appeal No. 3,309 will therefore be dismissed.

This leaves for our consideration appeal No. 3,308, interference No. 56,624. This interference at one time involved three parties, and the following patent and applications:

1. Appellant's patent, No. 1,598,874, issued September 7, 1926, upon an application filed in the United States Patent Office on January 19, 1922.

2. Appellee's application, Serial No. 448,520, filed February 28, 1921.

3. Application Serial No. 720,697, filed in the United States Patent Office on June 17, 1924, said application being filed by one Mailey as a division of Mailey patent, No. 1,537,921, issued May 12, 1925, upon an application filed October 10, 1923.

It thus appears that appellee is the senior party to this appeal, and the burden was upon appellant to establish priority of invention by a preponderance of the evidence.

It appears that the party Mailey did not contest the interference beyond the motion period, and thereafter only the parties Phelan and Green were involved in said interference.

The issue in this interference is stated in a single count, which reads as follows:

In an electrical contactor device for electric power circuits, a sealed container, electrodes positioned within said container, an atmosphere comprising hydrogen gas filling said container, and a body of mercury movable to make and break the circuit between said electrodes, the latter being composed of a metal that is substantially non-amalgamating with said mercury, upon the passage of an electric arc, said device being substantially non-deteriorating by reason of the inter-action of the mercury, said atmosphere and said metal electrodes.

As may be gathered from a reading of the count, the invention involved is a mercury switch, the structural details of which are not important in view of the issues presented for decision.

Both of the tribunals of the Patent Office found that Green conceived and reduced the invention to practice before Phelan ever conceived it. This finding of fact is not challenged by appellant, and the issue which he urges here and upon which he relies may be stated as follows:

Patent No. 1,537,921, which the Patent Office tribunals held disclosed the invention here involved, was issued to Mailey on May 12, 1925. In April, 1928, Green copied from the Phelan patent claim 9 thereof, which corresponds to the count here in issue. It is argued by appellant that, Green not having made the claim corresponding to the count in issue within two years of the issuance of the patent to Mailey, which patent was held to have disclosed the invention of the count, he is barred from asserting that he is the prior inventor as to said count. It will be observed that Green copied the claim of the Phelan patent within two years from its issue.

It is to be noted that Mailey, like Green, copied claim 9 of the Phelan patent in his divisional application, and that, while Mailey's patent disclosed the invention of the count, Mailey had no claim in said patent corresponding to the count here involved.

The sole question before us is whether appellee is estopped in this interference proceeding from making the claim corresponding to the count here in issue by reason of the fact that, while he copied the claim from appellant's patent within two years of its issue, the date of such copying was more than two years from the date of the patent to Mailey, originally a party to this interference, in which Mailey patent the invention here involved was disclosed but not claimed.

In other words, while appellee is in fact the first inventor of the device here involved, is he estopped from asserting that fact in this proceeding, and should priority of invention be therefore awarded to appellant?

[1] It is well established that the question of the right of a party to secure a patent cannot be raised in this court on appeals in interference proceedings. In such cases the jurisdiction of this court is confined to the question of priority of invention and to such ancillary questions as may be involved therein. *Stern and Huether* v. *Schroeder and Wagner*, 17 C. C. P. A. (Patents) 690, 36 F.(2d) 518, 393 O. G. 4; *Gowen* v. *Hendry*, 17 C. C. P. A. (Patents) 789, 37 F.(2d) 426, 393 O. G. 1024, and cases therein cited; *Capek and Broecke* v. *Levis*, 19 C. C. P. A. (Patents) 843, 55 F.(2d) 476, 417 O. G. 577; *Derby* v. *Whitworth*, 20 C. C. P. A. (Patents) 791, 62 F.(2d) 368, 429 O. G. 191.

The real question before us is not whether the alleged laches of appellee bars him from receiving a patent to the invention here involved, but whether such alleged laches is a question ancillary to the question of priority of invention, and therefore may be considered by us upon this appeal.

Appellant relies principally upon the following cases in support of his position that appellee was guilty of laches in making the claim corresponding to the count here in issue, and that such an estoppel has thus been created as warrants an award of priority to appellant, even though he be not in fact the first inventor: *Wintroath* v. *Chapman*, 47 App. D. C. 428, 248 O. G. 1004, modified in *Chapman* v. *Wintroath*, 252 U. S. 126; 272 O. G. 913; *Rowntree* v. *Sloan*, 45 App. D. C. 207, 227 O. G. 744; *Kane* v. *Podlesak*, 48 App. D. C. 11, 250 O. G. 609; *De Ferranti* v. *Harmatta*, 50 App. D. C. 393, 288 O. G. 205; *Podlesak* v. *McInnerney*, 26 App. D. C. 399, 120 O. G. 2127; *Webster Electric Company* v. *Splitdorf Electrical Company*, 264 U. S. 463, 327 O. G. 219.

The leading case relied upon by appellant is *Wintroath* v. *Chapman*, supra. In this case the Chapmans in 1909 filed an application for a patent which disclosed the invention of the interference but did not claim it. In 1913 Wintroath obtained a patent for the invention. Twenty months after the granting of the Wintroath patent, and more than six years after the filing of their parent application, the Chapmans filed a divisional application in which they copied the claims of the Wintroath patent. Wintroath contended that the Chapmans were chargeable with laches and therefore had no right to make the claims. The Court of Appeals of the District of Columbia sustained the contention of Wintroath and held that the Chapmans were estopped from making the claims. There is no discussion in the opinion of the principles upon which the estoppel was based, nor was there any discussion of the theory upon which the court held that the question of the Chapmans' laches was ancillary to the question of priority of invention. However, the court cited and affirmed its ruling upon a similar question in the case of *Rowntree* v. *Sloan*, supra.

In this case Rowntree had secured a patent, and three years afterwards Sloan copied claims from said patent in an application filed by him before the issue of the patent to Rowntree. The court held that Sloan was chargeable with laches in making the claims, and that he was estopped from making them. The ground of such estoppel was stated by the court in its opinion as follows:

> While in our opinion the view of the lower tribunals was correct, it is unnecessary to discuss the matter, for the reason that Sloan's laches, in failing within a reasonable time after the issuance of the Rowntree patent to make these clams, estopped him to make them at all. *Re Fritts*, present term, infra, 211. By his delay, if his present contention should be accepted, the life of the monopoly would be extended for a period of three years. If he thought these claims read upon his application, it was his duty promptly to make them, at least within the time allowed for amendment after office action, and his failure to do so is fatal to his present contention. • • •

It would seem that the stated ground of estoppel against Sloan was of that character which only the public, represented by the Patent Office, had the right to assert; but we have no doubt that in that case a true ground of estoppel did exist in favor of Rowntree.

The case of *Wintroath* v. *Chapman* was considered by the Supreme Court upon a writ of certiorari; *Chapman* v. *Wintroath*, supra. The decision was reversed, but only upon the ground that the lower court erred in holding that failure of the Chapmans to make the claims within one year of the issuance of Wintroath's patent constituted laches, and held that a party could not be chargeable with laches merely because of a delay in making claims not exceeding two years from the date of the patent from which the claims were copied.

From the foregoing we think it is established that, as between a patentee and an applicant, the failure of an applicant to copy claims of the patent within two years of its publication constitutes prima facie laches, and in an interference proceeding between them such laches may be raised by the patentee as a ground of estoppel against the applicant.

In the case of *Kane* v. *Podlesak*, supra, the court held that, where Kane copied claims appearing first in Podlesak's reissue patent two months after its issue, but more than two years after the issuance of the original Podlesak patent disclosing the invention, Kane was estopped to make the claims from the reissue patent because the basis of the claims corresponding to the counts of the interference was found in the original patent to Podlesak. The facts in said case were distinguished from the facts in the case of *Wintroath* v. *Chapman*, supra, in that the original patent to Podlesak disclosed but did not claim the invention, while in *Wintroath* v. *Chapman* the patent both disclosed and claimed the invention involved. The decision in the *Kane* v. *Podlesak* case was based upon the decision in *Rowntree* v. *Sloan*, supra, the court stating:

> In *Rowntree* v. *Sloan*, supra, this court held that failure to make the claims of the issue on the part of one of the parties to an interference for three years after the grant of a patent to his adversary estopped him from making the claims, because the life of the patent monopoly would be extended if the party seeking to make the claims should be finally successful, citing *Re Fritts*, 45 App. D. C. 211. Mr. Justice Robb for the court said that the claims should have been made promptly and at least within the time allowed for amendment after office action.

The case of *De Ferranti* v. *Harmatta*, supra, involved facts similar in many respects to the facts in the case at bar. The interference involved an application of De Ferranti, filed December 29, 1911, which was a division of his earlier application filed May 14, 1904, and the application of Harmatta, filed December 3, 1903, upon which a patent was issued December 3, 1912. On July 20, 1909, a patent was issued to one Rietzel, which patent disclosed and claimed the invention in issue. Harmatta copied said claims, whereupon an interference between Harmatta and Rietzel was declared, said interference terminating in an award of priority to Harmatta. The Thompson Electric Company was the assignee of both the Rietzel and Harmatta applications. De Ferranti copied the claims from the Harmatta patent within two years from the date of its publication, but more than four years after the issue of the Rietzel patent. The court in its opinion said:

> • • • De Ferranti filed his present application December 29, 1911, more than two years after the issue of the Rietzel patent, of which he had constructive notice. He is, therefore, clearly estopped to make claims against Rietzel. The Harmatta claims were derived from the Rietzel patent by reason of his being adjudged the prior inventor.
>
> The limitation of two years within which claims may be taken from a patent arises from the application of a sound principle of public policy for the prevention of the undue extension of monopoly by procrastination in the assertion of adverse rights against one already in possession.

The Board of Appeals in its decision herein, holding first that the claimed laches of appellee was not ancillary to the question of priority of invention and, second, that upon the facts shown no estoppel existed *in favor of appellant*, distinguished said case of *De Ferranti* v. *Harmatta*, supra, from the case at bar in that the said Rietzel patent claimed the invention there in issue, while in the case at bar the Malley patent relied upon by appellant did not claim the invention here involved.

Appellant also relies upon the case of *Webster Electric Company* v. *Splitdorf Electrical Company*, supra. This was an infringement suit, and certain claims of a patent issued to one Kane were held to be invalid by reason of the fact that the invention was disclosed in another patent five years before the claims in question were made by Kane. We find nothing in the opinion in said case material to the question here involved. If this were an ex parte proceeding said case might be in point; but the mere fact that, if a patent should issue to appellee upon the count here involved, it may be invalid upon the authority of said case of *Webster Electric Company* v. *Splitdorf Electrical Company*, supra, is not a ground for an award of priority of invention to appellant. The same observations are pertinent to other infringement cases cited by appellant.

Appellant also relies upon our decision in the case of *Southgate* v. *Greene*, 19 C. C. P. A. (Patents) 1129, 57 F.(2d) 374, 420 O. G. 811. We find nothing in the opinion in this case sustaining appellant's contention. After quoting from the case of *Webster Electric Company* v. *Splitdorf Electrical Company*, supra, with respect to the two-year rule there discussed, we said:

> If we were to apply this rule to printed publications which might otherwise amount to a statutory bar, we are nevertheless convinced from this record that there are special circumstances appearing from this record which makes the application of the rule here not only unnecessary, but inequitable. • • •

We there made no holding that, if there were a statutory bar to the appellee in that case making the claims there involved, such bar could be invoked as an estoppel in favor of the appellant.

Appellant also relies upon our decision in the case of *Herthel and Tifft* v. *Dubbs*, 20 C. C. P. A. (Patents) 1128, 65 F.(2d) 138, 437 O. G. 3. That case involved an interference between a patent to Dubbs and an application of Herthel and Tifft. The counts in issue were copied from the Dubbs patent. Herthel and Tifft moved to dissolve the interference upon several grounds, one of which charged laches against Dubbs in making the claims, and specifically alleged that the invention embodied in the counts had been carried out commercially by Herthel and Tifft more than two years before Dubbs made the claims in issue. The Patent Office tribunals refused to permit testimony to establish the alleged estoppel against Dubbs, and error was assigned with respect thereto in the appeal to this court.

We there said that—

> • • • the question presented by the issue of laches creating estoppel is one which *may* be ancillary to priority and that the proper tribunals of the Patent Office and this court have the authority to pass upon it, and that it is a matter of duty so to do. [Italics supplied.]

We then held that, under the facts in the record, there was no error in refusing to permit testimony to be taken to establish the alleged estoppel.

It is, however, significant as bearing upon the question in the case at bar that, with respect to the specific charge contained in Herthel and Tifft's motion to dissolve the interference—that Dubbs had not made the claims in issue until more than two years after Herthel and Tifft had produced and put into commercial operation a device embodying the invention in issue—we said:

> • • • Nor do we see the relevancy of testimony as to Herthel and Tifft having produced and put into commercial operation a device embodying the invention at the time claimed. This is not in issue, so far as the record discloses, and, for the purposes of the case, might be assumed. The decision of the Commissioner of Patents, very aptly, we think, points out that the question of whether Herthel and Tifft "have acquired some right to continue the commercial exploitation which should not be disturbed," *is not one to be passed upon in this proceeding relating to priority.* [Italics supplied.]

From the foregoing it appears to us that said case is fully in harmony with our conclusions herein.

[2] It is unnecessary to review other cases relied upon by appellant here. While the cases reviewed establish that laches may exist, creating an estoppel in favor of a patentee in interference proceedings in certain cases, we are not disposed to extend the rule to a case such as is here involved, for we are unable to discern in the case at bar any ground upon which an estoppel could rest *in favor of appellant*.

Malley disclosed the invention in a patent more than two years before appellee made the claims here involved, but Malley did not claim the invention. Appellee copied the claims from appellant's patent within two years of its issue. There was no

privity between Mailey and appellant. While an estoppel might have existed against appellee and *in favor of Mailey*, had Mailey made the claims within two years of the issue of his patent, we do not see how an estoppel can be said to exist *in favor of appellant*. Appellee may be estopped from claiming a patent upon the count here involved; but, if so, it seems to us that it is an estoppel in favor of the public and not in favor of appellant. This will be a matter for further ex parte consideration by the Patent Office tribunals, with which we are not here concerned.

We think a statement found in our opinion in the case of *Derby* v. *Whitworth*, supra, is applicable here. Respecting a claim of estoppel upon a different ground than is here involved, we there said:

> • • • If there be any estoppel at all against appellee, as to which we express no opinion, only the public, represented by the Patent Office, has the right to assert it, and appellants can not secure an award of priority to themselves based upon the theory that, even though appellee be the first inventor, he has dedicated a part of his invention to the public by reason of the disclosure in his first application.

In the case at bar we find no laches on the part of appellee creating an estoppel *in favor of appellant*, and therefore if any estoppel exists it is not ancillary to the question of priority of invention, which is the primary issue before us.

[3] As it is conceded that the evidence establishes that appellee was the first to conceive and reduce the invention to practice, the decision of the Board of Appeals in appeal No. 3,308 is affirmed and, for the reason stated in the beginning of this opinion, appeal No. 3,309 is dismissed.

Affirmed.

HATFIELD, *J.*, did not participate.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,001,289, 1,069,889, McKee & Vilas, Excavating dipper; 1,031,138, same, Cast metal dipper body; 1,033,818, same, Cast metal dipper front; 1,107,252, E. S. Black, Two-part dipper for excavating machine, D. C., N. D. Ill., E. Div., Doc. 12369, *Continental Illinois Bank & Trust Co.* v. *American Manganese Steel Co.* Bill and counter-claim dismissed June 21, 1934.

1,031,138. (See 1,001,289.) 1,033,818. (See 1,001,289.)

1,069,889. (See 1,001,289.)

1,076,198, J. T. Dickson, Vacuum brake; 1,321,150, H. C. Root, Controlling valve for vacuum operated power means, D. C., E. D. Mich., S. Div., Doc. 4299, *Bragg-Kliesrath Corp.* v. *Velvet Power Brake Co.* Consent decree dismissing bill (notice Sept. 10, 1934).

1,107,252. (See 1,001,289.)

1,195,632, W. C. White, Circuit connections of electron discharge apparatus; 1,251,377, A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,728,879, Rice & Kellogg, Amplifying system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; 1,811,095; H. J. Round, Thermionic amplifier and detector; 1,297,188, I. Langmuir, System for amplifying variable currents, D. C., N. D. Ill., E. Div., Doc. 13274, *Radio Corp. of America et al.* v. *Climax Radio Corp.* Dismissed without prejudice July 11, 1934.

1,221,589, 1,310,293, D. Pudlin, Eye for dolls; 1,354,382, O. E. Denivelle, same; 1,571,916, L. J. Grubman, Method and means for applying eye mountings in doll heads; 1,907,958, same, Artificial eyes; Re. 16,433, same, Eye mounting for dolls, filed Sept. 21, 1934, D. C., S. D. N. Y., Doc. E 79/16, *Margon Corp.* v. *Venus Doll & Toy Mfg. Co., Inc.*

1,231,764 (*a*), F. Lowenstein, Telephone relay; 1,618,017; same, Wireless telegraph apparatus; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier, 1,573,374, P. A. Chamberlain, Radio condenser, D. C., N. D. Ill., E. Div., Doc. 13275, *Radio Corp. of America et al.* v. *Climax Radio Corp.* Dismissed without prejudice July 11, 1934.

1,231,764 (*b*), F. Lowenstein, Telephone relay; 1,618,017, same, Wireless telegraph apparatus; 1,239,852, F. K. Vreeland, Receiver of electrical impulses; 1,544,081, same, Transmitting intelligence by radiant energy; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,531,805, R. C. Mathes, Oscillation generator; 1,596,198, S. Loewe, System for generating oscillations; 1,573,374, P. A. Chamberlain, Radio condenser; 1,658,346, R. C. Mathes, Amplifier circuit; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,916, J. G. Aceves, Supply circuit for radio sets, D. C., N. D. Ill., E. Div., Doc. 13634, *Radio Corp. of America et al.* v. *McMurdo-Silver, Inc.* Consent decree holding patents valid and infringed Apr. 17, 1934.

1,239,852. (See 1,231,764 (*b*).)

1,247,540 (*a*), 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; 1,343,797; Stott & Jones, Aeration of sewage and other impure liquids, filed Sept. 12, 1934, D. C., N. D. Calif. (San Francisco), Doc. E 3774–S, *Activated Sludge, Inc.*, v. *Montezuma Mountain School, Calif.* Same, D. C., W. D. Mich., S. Div., Doc. 2688, *Activated Sludge, Inc.*, v. *City of Muskegon Heights, Mich.* Dismissed Sept. 21, 1934. Same, filed Oct. 1, 1934, D. C., N. D. Calif. (Los Angeles), Doc. E 410–M, *Activated Sludge, Inc.*, v. *City of Laguna Beach, Calif.* Doc. E 411–H, *Activated Sludge, Inc.*, v. *City of Ontario, Calif.*

1,247,540 (*b*), 1,247,542, Re. 15,140, 1,286,017, 1,341,561, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, filed Aug. 29, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 383–H, *Activated Sludge, Inc.*, v. *City of San Marino, Calif.* Same, filed Sept. 22, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E A–103, *Activated Sludge, Inc.*, v. *City of Escondido, Calif.* Same, filed Oct. 2, 1934, D. C. Ill. (Springfield), Doc. E 2060, *Activated Sludge, Inc.*, v. *Decatur Sanitary District, Ill.* Same, D. C. N. J., Doc. E 4917, *Activated Sludge, Inc.*, v. *Borough of Tenafly, N. J.* Dismissed Oct. 1, 1934. Same, filed Aug. 21, 1934, D. C. N. J., Doc. E 4935, *Activated Sludge, Inc.*, v. *Borough of Madison, N. J.* Doc. E 4936, *Activated Sludge, Inc.*, v. *Town of Morristown, N. J.* Doc. E 4937, *Activated Sludge, Inc.*, v. *Borough of Bernardsville, N. J.* Dismissed Oct. 4, 1934. Same, D. C., E. D. N. Y., Doc. E 7351, *Activated Sludge, Inc.*, v. *Village of Mineola, N. Y.* Consent order dismissing complaint Oct. 8, 1934.

1,247,542. (See 1,247,540 (*a*) and (*b*).)

1,251,377. (See 1,195,632.)

1,251,377 (*a*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, filed Sept. 17, 1934, D. C., N. D. Ill., E. Div., Doc. 14071, *Radio Corp. of America et al.* v. *Pacific Radio Corp. et al.* Same, D. C., N. D. Ill., E. Div., Doc. 13958, *Radio Corp. of America et al.* v. *Climax Radio Corp. et al.* Consent decree holding patents valid and infringed July 11, 1934.

1,251,377 (*b*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,282,439, I. Langmuir, System for amplifying variable currents, D. C., N. D. Ill., E. Div., Doc. 13623, *General Electric Co.* v. *McMurdo-Silver, Inc.* Consent decree holding patents valid and infringed Apr. 17, 1934.

1,254,817, W. H. Faust, Process of converting garbage into food; 1,440,727, same, Process of treating garbage, filed Sept. 19, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 402–J, *U. S. By-Products Corp.* v. *W. A. Bush et al. (National City Turpentine Co.).*

1,281,027, G. A. Kramer, Refrigerating apparatus; 1,825,731, H. B. Hull, same; 1,832,089, Braeutigam & Holbrook, same; 1,658,323, O. L. Blackmore, Refrigerator control; 1,867,539, J. T. Rauen, Refrigerator, filed Sept. 18, 1934, D. C., S. D. Iowa (Des Moines), Doc. E 4555, *General Motors Corp.* v. *S. Davidson & Bros., Inc.*

1,282,439. (See 1,251,377 (*b*).)

1,282,587. (See 1,247,540 (*a*) and (*b*).)

1,286,017. (See 1,247,540 (*a*) and (*b*).)

1,297,188. (See 1,251,377 (*a*) and 1,195,632.)

1,307,733 (*a*), A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, D. C., N. D. Calif. (San Francisco), Doc. E 3605–L, *Alemite Corp.* v. *A. B. Clark et al. (The Bridge Tool & Mfg. Co., Ltd.).* Decree for plaintiff Sept. 6, 1934. Same, filed Sept. 20, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 406–H, *Stewart-Warner Corp.* v. *W. H. Yeamans.*

1,307,733 (*b*), A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; 1,593,791, C. G. Butler, same, filed Sept. 22, 1934, D. C., S. D. N. Y., Doc. E 79/18, *Stewart-Warner Corp.* v. *M. Mandel.* Doc. E 79/19, *Stewart-Warner Corp.* v. *M. Brown.* Doc. E 79/20, *Stewart-Warner Corp.* v. *L. Nath.* Doc. E 79/21, *Stewart-Warner Corp.* v. *E. Hammerschlog (Automotive Surplus Outlet Co.).* Doc. E 79/22, *Stewart-Warner Corp.* v. *Yankee Automotive Trading Co. et al.* Same, filed Sept. 25, 1934, D. C., E. D. N. Y., Doc. E 7378, *Stewart-Warner Corp.* v. *P. Nurkiewicz et al.*

1,307,733 (*c*), A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; 1,593,791, C. G. Butler, same; Re. 18,278, W. L. Morris, Grease feeder, filed Sept. 20, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 405–H, *Stewart-Warner Corp. et al.* v. *A. L. Kirk.*

1,307,734. (See 1,307,733 (*a*), (*b*) and (*c*).)

1,310,293. (See 1,221,589.) 1,321,150. (See 1,076,198.)

1,341,561. (See 1,247,540 (*b*).)

1,343,707. (See 1,247,540 (*a*).)

1,354,382. (See 1,221,589.) 1,357,020. (See Re. 18,742.)

1,403,475. (See 1,231,764 (*a*).)

1,403,475 (*a*), H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballentine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 13957, *Radio Corp. of America et al.* v. *Climax Radio Corp. et al.* Consent decree holding patents valid and infringed July 11, 1934.

1,403,475 (*b*), H. D. Arnold, Vacuum tube circuits; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; Re. 18,916, J. G. Aceves, Supply circuits for radio sets, filed Sept. 17, 1934, D. C., N. D. Ill., E. Div., Doc. 14070, *Radio Corp. of America et al.* v. *Pacific Radio Corp. et al.*

1,403,932. (See 1,403,475 (*a*) and (*b*).)

1,419,564, R. T. Hosking, Nut lock; 1,604,122, same, Conical lock washer; 1,660,772, C. O. Swenson, Lock washer, filed Sept. 17, 1934, D. C., E. D. Mich. (Detroit), Doc. 6544, *Illinois Tool Works* v. *Hupp Motor Car Corp. et al.*

1,440,163. (See Re. 18,852.) 1,440,727. (See 1,254,317.)

1,442,159, B. Kugler, Terminal coupling and anchorage for window cleaners' harness; 1,462,761, same, Locked anchorage for window cleaners' harness; 1,464,825, same, Drilled base anchorage for window cleaners' harness; Des. 71,386, same, Anchorage for window cleaners' harness, D. C., N. D. Ill., E. Div., Doc. 11523, *B. Kugler* v. *Imperial Brass Mfg. Co.* Dismissed with prejudice May 23, 1934.

1,462,761. (See 1,442,159.) 1,464,825. (See 1,442,159.)

1,465,332. (See 1,403,475 (*a*) and 1,231,764 (*a*).)

1,470,524, H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection, D. C., S. D. Calif. (Los Angeles), Doc. E W–61–H, *The Popsicle Corp. of the U. S. et al.* v. *P. Hawkins (Byurdor Confection Co.).* Dismissed Sept. 14, 1934.

1,475,980. (See 1,307,733 (*a*), (*b*) and (*c*).)

1,507,016. (See 1,231,764 (*b*).)

1,507,017. (See 1,231,764 (*b*).)

1,531,805. (See 1,231,764 (*b*).)

1,542,712, W. A. Merrick, Thermostat control for water heaters, D. C., S. D. Calif. (Los Angeles), Doc. O–97–M, *Federal Water Heater Co. et al.* v. *Grayson Heat Control Co. et al.* Dismissed Sept. 13, 1934.

1,544,081. (See 1,231,764 (*b*).)

1,547,284. (See 1,560,361 (*a*).)

1,548,184, W. J. Cameron, Holder and control for pulp tester; T. M. 162,208, same, Device and apparatus for ascertaining the physical condition of the nerves, filed Aug. 20, 1934, D. C., N. D. Ill., E. Div., Doc. 14044, *Cameron Surgical Specialty Co. et al.* v. *Burton Mfg. Co., Inc.*

1,560,361 (*a*), F. B. Allen, Fluid, method and apparatus for controlling and removing material from hoppers; 1,785,539, same, Method and means for storing and removing refuse; 1,547,284, 1,561,293, same, Hopper construction; 1,821,603, same, Ash handling equipment; T. M. 220,292, The Allen-Sherman-Hoff Co., Ash handling apparatus; T. M. 221,415, same, Hoppers, furnace bottoms, ash gates, etc., filed July 13, 1934, D. C., N. D. Ill., E. Div., Doc. 13990, *The Allen-Sherman-Hoff Co.* v. *Hydro-Ash Corp. et al.*

1,560,361, (*b*), F. B. Allen, Fluid method and apparatus for controlling and removing material from hoppers; T. M. 220,292, The Allen-Sherman-Hoff Co., Ash handling apparatus; T. M. 221,415, same, Hoppers, furnace bottoms, ash gates, etc., D. C., N. D. Ill., E. Div., Doc. 10066, *The Allen-Sherman-Hoff Co.* v. *Hydro-Ash Corp. et al.* Bill and counterclaim dismissed without prejudice July 13, 1934.

1,561,293. (See 1,560,361 (*a*).)

1,571,916. (See 1,221,589.)

1,573,374. (See 1,251,377 (*a*) and 1,231,764 (*a*) and (*b*).)

1,592,618, S. Otis, Direct steaming system for locomotives; 1,686,103, L. G. Plant, Locomotive terminal, D. C. Utah (Salt Lake City), Doc. 12818, *Railway Engineering Equipment Co.* v. *Oregon Short Line Railroad Co.* Claim 4 of 1,592,618, and claims 8, 11, 14, and 15 of 1,686,103 held invalid Aug. 25, 1934.

1,593,791. (See 1,307,733 (*b*) and (*c*).)

1,596,198. (See 1,231,764 (*b*).)

1,604,122. (See 1,419,564.)

1,618,017. (See 1,403,475 (*a*) and (*b*) and 1,231,764 (*a*) and (*b*).)

1,622,957. (See Re. 18,852.) 1,658,323. (See 1,281,027.)

1,658,346. (See 1,231,764 (*b*).)

1,660,772. (See 1,419,564.)

1,683,453. (See Re. 18,742.) 1,686,103. (See 1,592,618.)

1,686,970, A. H. Hoadley, Water heater; 1,834,070, J. J. Parkinson, Heating device, D. C., N. D. Ill., E. Div., Doc. 13598, *Parkinson Heater Corp.* v. *O. A. Gerstung et al.* Consent decree holding patents valid and infringed May 22, 1934.

1,697,567, W. J. King, Folding table; 1,697,594, E. E. Gowell, same, filed July 13, 1934, D. C., N. D. Ill., E. Div., Doc. 13991, *The E. T. Burrowes Co., Inc., et al.* v. *Shwayder Bros., Inc.*

1,697,594. (See 1,697,567.)

1,702,833. (See 1,403,475 (*a*), (*b*) and 1,231,764 (*b*).)

1,707,617. (See 1,251,377 (*a*).)

1,718,997. (See 1,470,524.)

1,728,879. (See 1,251,377 (*a*) and 1,195,632.)

1,760,820. (See Re. 18,742.)

1,775,202, R. H. Johnson, Metatarsal cushion; 1,866,598, same, Adjustable and removal metatarsal pad, filed June 29, 1934, D. C. Minn. (St. Paul), Doc. E 2810, *R. H. Johnson* v. *F. W. Woolworth Co.*

1,785,539. (See 1,560,361 (*a*).)

1,795,214. (See 1,251,377 (*a*).)

1,811,095. (See 1,403,475 (*a*) and (*b*), 1,195,632 and 1,231,764 (*b*).)

1,814,132. (See Re. 18,742.)

1,821,603. (See 1,560,361 (*a*).)

1,825,731. (See 1,281,027.) 1,832,089. (See 1,281,027.)

1,834,070. (See 1,686,970.) 1,856,086. (See Re. 18,742.)

1,866,598. (See 1,775,202.) 1,867,539. (See 1,281,027.)

1,894,197. (See 1,251,377 (*a*).)

1,894,612. (See Re. 18,852.) 1,895,978. (See Re. 18,742.)

1,896,143, H. E. Norviel, Coil-switch unit; 1,956,334, L. O. Parker, Coil construction, filed July 31, 1934, D. C., N. D. Ill., E. Div., Doc. 14016, *General Motors Corp.* v. *C. E. Niehoff & Co.*

1,907,958. (See 1,221,589.)

1,922,992, T. Tighe, jr., Protector for foods, divisional application 665,411, D. C., N. D. Ill., E. Div., Doc. 13648, *The Thermo Service Co., Inc.*, v. *T. Tighe, jr.* Decree finding plaintiff owner of patent and pending application, defendant directed to convey or assign same, counter-claim dismissed April 18, 1934.

1,935,486, H. T. Schiff, Lighter; 1,937,249, same, Pocket lighter; T. M. 306,608, Match King, Inc., Lamps, namely pocket, table and stand lamps using as a fuel petroleum products, D. C., N. D. Ill., E. Div., Doc. 13666, *H. T. Schiff et al.* v. *Vidrio Products Corp. et al.* Consent decree holding patents valid and infringed June 22, 1934.

1,937,249. (See 1,935,486.) 1,954,805. (See Re. 18,742.)

1,956,334. (See 1,896,143.) 1,959,413. (See Re. 18,742.)

Re. 15,140. (See 1,247,540 (*a*) and (*b*).)

Re. 16,433. (See 1,221,589.) Re. 17,393. (See Re. 18,852.)

Re. 17,760. (See Re. 18,742.)

Re. 18,278. (See 1,307,733 (*o*).)

Re. 18,579. (See 1,403,475 (*a*) and (*b*) and 1,195,632.)

Re. 18,742 (of Re. 17,760 and 1,683,453), F. W. Farrell, Coated paper; 1,357,020, E. H. Angier, Gummed paper and method of manufacturing same; Re. 19,128 (of 1,760,820), R. G. Drew, Adhesive tape; 1,856,986, 1,959,413, same, Adhesive sheeting; 1,814,132, same, Process for preparing adhesive tape; 1,895,978, same, Adhesive sheeting and masking for painting; 1,954,805, same, Method of making adhesives in the form of sheets, D. C., S. D. Calif. (Los Angeles), Doc. E 354–J, *Minnesota Mining & Mfg. Co.* v. *F. L. Freeman et al.* Patents held valid and infringed July 27, 1934.

Re. 18,841. (See Re. 18,852.)

Re. 18,852 (of Re. 18,841, Re. 17,393 and 1,622,957), 1,894,612, J. Mayer, Hair waving appliance; 1,440,163, E. Martin, Method for producing permanent waves in hair, D. C., N. D. Ohio, E. Div., Doc. 4697, *The Philad Co. et al.* v. *Real Art Permanent Wave Machine Co., Inc., et al.* Patents 1,440,163, 1,894,612, and Reissue 18,841 held valid and infringed Sept. 21, 1934.

Re. 18,916. (See 1,403,475 (*b*) and 1,231,764 (*b*).)

Re. 19,128. (See Re. 18,742.)

Des. 71,386. (See 1,442,159.)

T. M. 162,208. (See 1,548,184.)

T. M. 220,292. (See 1,560,361 (*a*) and (*b*).)

T. M. 221,415. (See 1,560,361 (*a*) and (*b*).)

T. M. 306,608. (See 1,935,486.)

Adjudicated Patents

(D. C. Mass.) Marks patent, No. 1,596,984, for method and apparatus for broadcasting, claims 1, 2, 3, 4, 5, and 8 *Held* valid but not infringed. *Aeolian-Skinner Organ Co.* v. *Shepard Broadcasting Service*, 7 F. Supp. 903.

(D. C. N. Y.) Wheeler patent, No. 1,879,863, for volume control, claims 1, 5, 6, and 10 *Held* invalid. *Hazeltine Corporation* v. *Abrams*, 7 F. Supp. 908.

(D. C. Mass.) Batcheller patent, No. 1,886,517, for electric switch, *Held* invalid. *Batcheller* v. *Henry Cole Co.*, 7 F. Supp. 898.

(D. C. Mass.) Batcheller patent, No. 1,888,444, for toggle switch, *Held* invalid. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,899,048, J. B. Olinger, Synchronizing and control mechanism for sound and motion picture apparatus, decided October 30, 1934, claim 3.

Pat. 1,947,863, J. C. Mahoney, Apparatus for condensing hydrocarbons, decided October 30, 1934, claims 1, 4, 10, 11, 12, and 13.

Interference Notice

U. S. PATENT OFFICE, *Washington, Nov. 2, 1934.*

Frederick Culman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The American Distilling Company, Pekin, Ill., for registration of a trade-mark and trade-mark registered November 4, 1924, No. 191,169, to Frederick Culman, 36 West 44th Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Culman at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Culman, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 20, 1934

[VOL. 448. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 356,937. AMERICAN ANODE, INC., Akron, Ohio. Filed Oct. 10, 1934.

''UTEREX''

For Latex.
Claims use since Apr. 15, 1927.

CLASS 2

Receptacles

Ser. No. 357,002. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

DREADNOUGHT

For Paper Bags.
Claims use since Jan. 1, 1922.

Ser. No. 357,003. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

NEIGHBORHOOD

For Paper Bags.
Claims use since July 1, 1924.

Ser. No. 357,004. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

PROGRESS

For Paper Bags.
Claims use since Jan. 1, 1922.

Ser. No. 357,005. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

R. P. G.

For Paper Bags.
Claims use since Jan. 1, 1922.

Ser. No. 357,006. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

SENSATION

For Paper Bags.
Claims use since Jan. 1, 1922.

Ser. No. 357,007. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

WALK OVER

For Paper Bags.
Claims use since Jan. 1, 1922.

Ser. No. 357,008. THE GRAND LAKE COMPANY, Chisholm, Maine, and New York, N. Y. Filed Oct. 11, 1934.

WHITE WONDER

For Paper Bags.
Claims use since Jan. 1, 1922.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 356,865. CHARLES BURSTEIN & BRO. INC., New York, N. Y. Filed Oct. 8, 1934.

Burbro

For Ladies' Handbags and Purses.
Claims use since Sept. 10, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 354,775. THE STAMFORD RUBBER SUPPLY COMPANY, doing business as The Ivex Laboratories, Stamford, Conn. Filed Aug. 8, 1934.

BATH BRITE

For Detergent and Polishing Materials, Consisting Essentially of a Combination of Soaps and Minerals Finely Ground, Which Also May be Compressed Into Block Form.
Claims use since Jan. 4, 1934.

Ser. No. 356,525. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Sept. 28, 1934.



No claim is made to the representation of a label per se. No claim is made to the words "Toilet Soap" apart from the mark.
For Soap.
Claims use since Mar. 5, 1934.

Ser. No. 356,817. SAMUEL RADBILL, doing business as Columbia Petroleum Products Co., Philadelphia, Pa. Filed Oct. 5, 1934.

SOLVONA

For Dry Cleaning Fluid.
Claims use since May 28, 1934.

Ser. No. 356,867. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Oct. 8, 1934.

FERROXITE

For Artificial Abrasive Grains.
Claims use since May 31, 1934.

Ser. No. 356,980. YORK PHARMACAL COMPANY, St. Louis, Mo. Filed Oct. 10, 1934.



ON TYME

For Shaving Cream.
Claims use since Dec. 1, 1933.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 337,140. FRANCIS S. SAKAMAKI, San Francisco, Calif. Filed Apr. 24, 1933.



For Ginseng, an Extract from Vegetable Known as Korean Carrot Used as a Medicinal Tonic for General Use.
Claims use since Nov. 1, 1932.

Ser. No. 345,534. DON BAXTER INC., Glendale, Calif. Filed Jan. 2, 1934.

Vacoliter

For Intravenous Solutions, More Specifically, Solutions of Dextrose in Distilled Water, Dextrose in Normal Saline, Sodium Chloride Solutions, Gurn Stout's Solution, Hartman's Solution Modified, Ringer's Solution Modified, Robert Day's Solution, Dextrose in Hartman's Solution, Dextrose in Ringer's Solution, and Distilled Water.
Claims use since June 22, 1931.

Ser. No. 347,952. OTHO C. EDWARDS, Raleigh, N. C. Filed Feb. 23, 1934.

TINA-CIDE

For Medicinal Preparation for Ringworm and Athlete's Foot.
Claims use since Jan. 5, 1930.

Ser. No. 348,566. BENJAMIN H. ROST, doing business as Zendico Hygiene Products Co., New York, N. Y. Filed Mar. 13, 1934.

ZENDICO

For Tooth Powders, That Is to Say, Preparations for Treatment of Affections of the Teeth and Gums.
Claims use since February, 1930.

Ser. No. 351,214. LADY EUGENIA, New York, N. Y. Filed May 11, 1934.



The representation of a woman is fanciful.
For Cosmetic Preparations—Namely, Cleansing Cream, Skin Refreshener, Skin Toner, Face Powder, Rouge, Rouge Compact.
Claims use since Apr. 16, 1934.

Ser. No. 351,813. KEMA PRODUCTS CORPORATION, Chicago, Ill. Filed May 24, 1934.

"KEMA-WELD"

No rights are claimed for the word "Weld" apart from the mark.
For Composition for Welding Cracks and Leaks.
Claims use since September, 1933.

Ser. No. 353,041. SOCIETE ANONYME CREME SIMON, ANCIENNEMENT J. SIMON & CIE, Lyon, France. Filed June 22, 1934.



All the wording with the exception of "Simon" and the letters "M. A. T." are disclaimed apart from the mark shown. The representation of a bottle and the label are disclaimed.
For Toilet Creams.
Claims use since Feb. 1, 1934.

Ser. No. 353,895. WALTER B. HUETTE, doing business as Pasteen Ointment Company, St. Louis, Mo. Filed July 14, 1934.

PAS-TEEN OINTMENT



The word "Ointment" is disclaimed.
For Skin Ointment Used in the Treatment of Eczema, Skin Eruptions, Ring-Worm, and Athlete's Foot.
Claims use since Jan. 1, 1930.

Ser. No. 354,393. CLARENCE P. SMITH, doing business as Mystol Manufacturing Company, Glens Falls, N. Y., assignor to Mystol Manufacturing Company, Kansas City, Mo., a corporation of Missouri. Filed July 27, 1934.

MYSTOL

For Medicinal Salves for Use in Such Ailments as Croup, Colds, Pneumonia, Catarrh, Tonsilitis, Bronchitis, Sore Throat, Whooping Cough, Asthma, Burns, Bruises, Sprains, Stings, Neuralgia, Eczema, Itching Humors, Itching Piles, Boils, and Rheumatic Pains; Nasal Inhalants, Nasal Drops, Cough Syrups, Mercurial Antiseptics, Petroleum Jellies, Cold Creams, Vanishing Creams, Massage Creams, Skin Cleansers, Skin Whiteners, Skin Lotions, Cocoa Butter, and Vegetable Medicines for Assisting Digestion, Nutrition, and Elimination.

Claims use since 1910 on salves; 1920 on cough syrups; 1930 on remaining goods.

Ser. No. 354,463. JOHNSON & JOHNSON, New Brunswick, N. J. Filed July 31, 1934.

COMPRO

For Preparation for the Treatment of Intestinal Stasis.
Claims use since July 19, 1934.

Ser. No. 354,569. MICHIGAN ALKALI COMPANY, Wyandotte, Mich. Filed Aug. 2, 1934.

MALIUM

For Fumigant.
Claims use since July 1, 1933.

Ser. No. 354,900. WILLIAM G. LE BOEUF, doing business as Venus Chewing Gum Co., Milwaukee, Wis. Filed Aug. 11, 1934.

VENUS

For Reducing Chewing Gum.
Claims use since Apr. 1, 1934.

Ser. No. 355,155. THE STAMFORD RUBBER SUPPLY COMPANY, Stamford, Conn. Filed Aug. 18, 1934.

FACTICE

For Compounds, Particularly Vulcanized Vegetable Oils Used in the Production of Rubber Substitutes.
Claims use since 1922.

Ser. No. 355,249. CÉCILE ETIEVE, Paris, France. Filed Aug. 21, 1934.

SAINT-JEAN-D'ÉTÉ

For Perfumes, Toilet Waters, Rouge, Lipstick, and Face Creams; Hair Lotion, Face Powder, Bath Salts, Bath Essence, Talcum Powder, Smelling Salts, Nail Polish, Depilatory, and Dentifrices.
Claims use since Jan. 12, 1934.

Ser. No. 355,270. JOHN PELLONI, Ellwood City, Pa. Filed Aug. 21, 1934.

SANITARY TRADE MARK WASHING FLUID



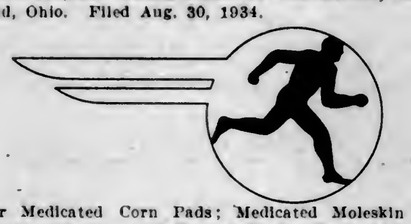
All wording except "The Heart of Your Laundry" is disclaimed apart from the mark. The drawing is lined for red.
For Prepared Washing Fluid for Cleaning, Bleaching, Disinfecting, and Deodorizing.
Claims use since May, 1931.

Ser. No. 355,271. GODFREY F. POGGI, doing business as Vermicox Company, Sorrento, San Diego, Calif. Filed Aug. 21, 1934.

VERMICOX

For Live-Stock Medicines Used as Vermifuges and Conditioners for Live Stock.
Claims use since July 1, 1933.

Ser. No. 355,593. STRIDE PRODUCTS CORPORATION, Cleveland, Ohio. Filed Aug. 30, 1934.



For Medicated Corn Pads; Medicated Moleskin for Application to Corns, Callouses, Tender Spots, and the Like; Medicated Instep Pads; a Preparation for Removing Corns and Callouses; Foot Balm; a Preparation for the Treatment of Ingrowing Nails; and Foot Powder.
Claims use since Mar. 17, 1934.

Ser. No. 355,627. JOHN A. MACLENNAN, doing business as Permo-Tect Mothproofing Company, Toronto, Ontario, Canada. Filed Aug. 31, 1934.

PERM O TECT

For Moth Proofing Agents for Furniture, Furs, Garments, Rugs, Carpets, Cushions, and Other Articles.
Claims use since May 1, 1933.

Ser. No. 355,661. THE CANDO CORPORATION, Cambridge, Mass. Filed Sept. 1, 1934.

FLEUR-D-LITE

For Deodorizers, Not Including Cosmetics.
Claims use since Aug. 29, 1934.

Ser. No. 355,804. HEILKRAFT MEDICAL COMPANY, Boston, Mass. Filed Sept. 7, 1934.

SCARLET RED LETTER R SALVE

The letter "R" with the diagonal mark and the words "Scarlet Salve" are disclaimed except as part of the mark shown.
For Preparation for Promotion of Granulation and Epithelial Growth, and for the Treatment of Burns, Wounds, Ulcers, Skin Suppurations, and Diseases and Ailments of the Skin.
Claims use since October, 1910.

Ser. No. 355,805. RICHARD HUDNUT, New York, N. Y. Filed September 7, 1934.

COSTUME COMPACT

Applicant disclaims the word "Compact" apart from the mark.
For Compacts and Combination Vanity Boxes, Single, Double, and Triple, Filled with Powder.
Claims use since May 25, 1934.

Ser. No. 355,890. KELCO COMPANY, San Diego, Calif. Filed Sept. 10, 1934.

DARILOID

For Alginate Product to be Used in the Dairy Trade as a Stabilizer in Ice Cream, Chocolate Milk, and Other Dairy Products.
Claims use since Aug. 28, 1934.

Ser. No. 356,066. AZODAL COMPANY, INC., Bronxville, N. Y. Filed Sept. 15, 1934.

AZODAL

The drawing is lined for red.
For Medicinal and Pharmaceutical Preparations for Use in Treatment of Infections of the Urinary Tract, Kidney Diseases, Infected Wounds, and as a General Antiseptic.
Claims use since February, 1933.

Ser. No. 356,117. LUCIEN LELONG, INC., Chicago, Ill. Filed Sept. 17, 1934.

PENTHOUSE

For Perfumes.
Claims use since Sept. 7, 1934.

Ser. No. 356,133. ALEXANDER A. WHAMOND, doing business as Robert Burns Hospital Laboratories, Chicago, Ill. Filed Sept. 17, 1934.

WHAM

For Preparation for Relief from Effects of Alcoholic Over-Indulgence and for Stomach Distress.
Claims use since Aug. 1, 1934.

Ser. No. 356,209. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y. Filed Sept. 20, 1934.

KETONONE

For Plasticizer for Use in the Manufacture of Lacquers and Films Made from Nitrocellulose and Cellulose Acetate.
Claims use since May 21, 1934.

Ser. No. 356,228. NICHOLAS J. MEINERT, doing business as Meinert Laboratories, Oakland, Calif. Filed Sept. 20, 1934.

COSMORTE

For Cosmetics and Chemicals Used by Morticians in Embalming.
Claims use since Jan. 23, 1932, on cosmetics; since Jan. 1, 1934, on embalming chemicals.

Ser. No. 356,811. RANDALL E. LINDLEY, doing business as Rel Tablet Company, Kokomo, Ind. Filed Oct. 5, 1934.

Rel

For Stomach Tablets.
Claims use since Sept. 22, 1934.

Ser. No. 356,828. THE AMERICAN COLOR AND CHEMICAL Co., Boston, Mass. Filed Oct. 6, 1934.



For Insecticides, Soap Spray, Worm and Ant Destroyer, and Weed Killers.
Claims use since 1898.

Ser. No. 356,850. JOSEPH PALAZZOLO, New York, N. Y. Filed Oct. 6, 1934.

FELSINA

For Tooth Paste, Dentifrice.
Claims use since about 1910.

Ser. No. 356,902. GENERAL DENTAL GOODS CO., Worcester, Mass. Filed Oct. 9, 1934.

Balcine

For Emollient and Lotion for External Use in the Treatment of Burns, Sunburn, Wounds, Bruises, Sprains, Coughs, Colds, or Similar Irritations or Inflammations of the Skin.
Claims use since Jan. 13, 1931.

Ser. No. 356,973. PHILIP A. TEAH, doing business as Nevah Laboratories, Lock Haven, Pa. Filed Oct. 10, 1934.

NEVAH

For Tablets to Relieve Pain, for the Treatment of Rheumatic Fever and Gout, Neuritis, Neuralgia, Sciatica, Headache, and Muscular Pains and Aches.
Claims use since Aug. 1, 1934.

Ser. No. 357,118. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Oct. 15, 1934.

KALORENE

For Denatured Alcohol.
Claims use since Sept. 11, 1934.

CLASS 12

Construction Materials

Ser. No. 347,188. RUBATEX PRODUCTS, INC., Wilmington, Del. Filed Feb. 9, 1934.

RUBATEX

For Structural Material of Rubber Composition Used for Heat and Sound Insulations, and in the Manufacture of Buoyant Members, Such as Life Preservers, Rafts, Etc.
Claims use since Jan. 16, 1934.

Ser. No. 356,172. AMALGAMATED ROOFING COMPANY, Chicago, Ill. Filed Sept. 19, 1934.

GOLD SEAL

Applicant makes no claim to the words "Asphalt Roofing" apart from the mark.
For Roofing and Siding Materials, Especially Sheets of Felt Impregnated with Asphaltum.
Claims use since May 28, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 342,820. GIACINTO TABOZZI, Milan, Italy. Filed Oct. 23, 1933.

S.A.L.V.A.

For Flexible Metal Pipes for Aircraft.
Claims use since Sept. 1, 1931.

Ser. No. 354,071. COOKWARE COMPANY OF AMERICA, Hartford, Mich. Filed July 19, 1934.

UTENSILS
Dr. BURNETTE'S COOKWARE

The words "Utensils" and "Dr. Burnette's Cookware" are disclaimed apart from the mark.
For Base Metal Cooking Hollow Ware.
Claims use since Apr. 15, 1934.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 356,191. W. R. HOOVER, INC., Buffalo, N. Y. Filed Sept. 19, 1934.

W.R. HOOVER inc.

For Precious Metals and Alloys in the Form of Plates, Leaf, Bars, Casting Metal, Wires, Strips, Nuggets, Ingots, Bullion, and Solders; Mercury and Alloys of Base Metals.
Claims use since Sept. 14, 1934.

Ser. No. 356,312. M. & L. TYPESETTING & ELECTROTYPING COMPANY, Chicago, Ill. Filed Sept. 22, 1934.

Quadhole

For Cast Metal Bases for Printing Purposes.
Claims use since Sept. 1, 1934.

Ser. No. 356,318. M. & L. TYPESETTING & ELECTROTYPING COMPANY, Chicago, Ill. Filed Sept. 22, 1934.

EMELIZED

For Type and Type Composition.
Claims use since Sept. 1, 1934.

CLASS 15

Oils and Greases

Ser. No. 344,037. BLACK GOLD REFINING COMPANY, Oklahoma City, Okla. Filed Nov. 23, 1933.

BLACK GOLD

For Gasoline, Naphthas, Kerosene, Light Fuel Oil Distillate, Gasoil, and Lubricating Oils.
Claims use since July 1, 1929.

CLASS 16

Paints and Painters' Materials

Ser. No. 326,861. S. C. JOHNSON & SON, INC., Racine, Wis. Filed May 7, 1932.

GLO-COAT

Applicant disclaims the suffix "Coat" apart from the prefix "Glo" or apart from the entire mark.
For Paint Enamels and Liquid Polish for Finishing and Coating Floors and Other Surfaces of Wood, Linoleum, Rubber, Cork, Tile, Asphalt, Concrete, Cement, Composition, Mastic, Magnesite, Terrazo, Marble, Travertine, Stone, Slate, and Metal.
Claims use since Apr. 14, 1920, on paint enamels; since Jan. 16, 1932, on liquid polish.

Ser. No. 326,862. S. C. JOHNSON & SON, INC., Racine, Wis. Filed May 7, 1932.

JOHNSON'S
GLO-COAT

Applicant disclaims the suffix "Coat" apart from the prefix "Glo" or apart from the entire mark.
For Paint Enamels and Liquid Polish for Finishing and Coating Floors and Other Surfaces of Wood, Linoleum, Rubber, Cork, Tile, Asphalt, Concrete, Cement, Composition, Mastic, Magnesite, Terrazo, Marble, Travertine, Stone, Slate, and Metal.
Claims use since Apr. 14, 1920, on paint enamels; since Jan. 16, 1932, on liquid polish.

Ser. No. 356,132. JOSEPH WEXLER, doing business as Atlas Paint & Varnish Co., New York, N. Y. Filed Sept. 17, 1934.

HOTELITE

For Ready-Mixed Paints, Varnishes, Paint Enamels, Lacquer, and Stains.
Claims use since Jan. 1, 1934.

Ser. No. 356,329. BAKER FURNITURE FACTORIES, INC., Grand Rapids, Mich. Filed Sept. 24, 1934.

Old World

For Furniture Polish.
Claims use since July 1, 1934.

CLASS 17

Tobacco Products

Ser. No. 355,555. JOSE ARANGO & COMPANY, Chicago, Ill. Filed Aug. 30, 1934.

HAVANA
J·A·C
SELECTOS
FACTORY Nº 530 TAMPA FLORIDA

HAVANA SMOKE J·A·C CIGARS

The words "Havana", "Selectos" "Factory No. 530", "Tampa Florida" and "Smoke Havana Cigars" are disclaimed apart from the mark.
For Cigars.
Claims use since Jan. 1, 1924.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 342,049. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed Sept. 30, 1933.

Telefunken

Applicant is the owner of Trade-marks 93,710 and 235,093, registered Oct. 14, 1913, and Nov. 8, 1927, respectively.

For Radio Receiving and Transmitting Sets; Kits for Radio Receiving and Transmitting Sets; Electric Pick-Ups for Phonographs; and Accessories and Parts Consisting of Aerials, Battery Eliminators, Binding Posts, Chokes, Coils, Coil Sets, Condensers, Dials, Grid Leaks, Jacks, Loud Speakers, Panel Boards, Potentiometers, Radio Amplifying Units, Radio Rectifying Units, Rheostats, Shields, Transformers, Electron Tubes, Tube Sockets, Tuning Units, Choke Coils, and Wire and Cable for Radio Sets and Apparatus; Unitary Transmitting and Receiving Equipment for Wireless Telegraphy, Wireless Telephony, High Speed Telegraphy, Picture Telegraphy, and Television; Motors, High Frequency Generators, Electrical Interrupters, Head Phones, Microphones, Loud Speakers, Telegraph Keys, Glow Lamps, Electro-Optical Light-Relays, Devices for Synchronization of Distant Electrical Machines, Photo-Cells, Cathode Ray Tubes; Analyzing and Integrating Devices for Television, Consisting of Scanning Disks, Scanning Wheels, and Oscillographs; and Electron Tubes.

Claims use since May 27, 1903.

Ser. No. 356,470. CLAUDE NEON DISPLAYS, INC., Buffalo, N. Y. Filed Sept. 26, 1934.



The drawing is lined for yellow.
For Electrical Lighting Units.
Claims use since June 20, 1933.

Ser. No. 356,657. BURGESS BATTERY COMPANY, Freeport, Ill. Filed Oct. 2, 1934.

ECONOPAK

For Dry Cell Batteries.
Claims use since Sept. 10, 1934.

Ser. No. 357,077. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Oct. 12, 1934.

STRATOSPHERE

For Radio Receiving Sets and Parts Thereof.
Claims use since Oct. 5, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 333,878. OLIVER O. ANDERSON, Des Moines, Iowa. Filed Jan. 13, 1933.

Go-Loff

For Miniature Golf Game Played with a Ball Lofter, a Ball, and an Impeller for the Ball.
Claims use since Dec. 24, 1932.

Ser. No. 342,453. THE AMERICAN PAD & TEXTILE COMPANY, Greenfield, Ohio. Filed Oct. 14, 1933.

TAPATCO

For Life Preservers—Namely, Jackets, Vests, Belts, and Cushions.
Claims use since Sept. 1, 1904.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 348,626. BECK & GREGG HARDWARE COMPANY, Atlanta, Ga. Filed Mar. 15, 1934.



The words "Trade Mark" are disclaimed apart from the mark.

For Rakes, Potato Hooks, Hoes, Forks, Shovels, Spades, Scoops, Axes, Lawn Mowers, Fertilizer Distributors, Stalk Cutters, Harrows, Shears, Hammers, Hatchets, Saws, Screw Drivers, Bit Braces, Auger and Drill Bits, Planes, Vises, Pliers, Wrenches, Files, and Dressmakers' Embroidery, Lace, and Buttonhole Scissors.

Claims use since July 3, 1894.

Ser. No. 353,247. VASCOLOY-RAMET CORPORATION, North Chicago, Ill. Filed June 27, 1934.

VASCOLOY-RAMET

Applicant claims ownership of trade-marks of registrations, Ct. 278,762 dated Dec. 30, 1930; Ct. 282,250 dated Apr. 14, 1931; and Ct. 284,718 dated July 7, 1931.

For Tools and Parts of Tools for Working and Cutting Metal and Other Materials, Particularly, Boring Tools or Drills, Turning or Lathe Tools, Shaping and Milling Tools, and Such Tools Equipped with Hard Metallic Inserts for the Purpose of Working, Cutting, Forming, or Shaping Other Metals and Materials.

Claims use since Oct. 1, 1933.

Ser. No. 353,495. ACKERMAN-GOULD CORP., New York, N. Y. Filed July 5, 1934.

Triumph

For Machines for Creasing, Cutting, Perforating, Embossing, and Hot and Cold Stamping Paper and Leather; Machines for Edge Beveling, Staining, and Polishing Leather; Leather Skiving and Splitting Machines and Skiving Knives for the Same; Rubber and Cord Skiving Machines, Beltless Emery Wheel Drives and Leather Clicking Presses.

Claims use since Jan. 1, 1924.

Ser. No. 355,876. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Sept. 10, 1934.

LIGHTNING BLADE-LIFT HYDRAULIC

No claim is made to the words "Blade Lift" and "Hydraulic" apart from the mark.

For Snow Plows, Road Scrapers, Scarifiers.

Claims use since Aug. 8, 1934.

Ser. No. 356,229. MOTO-SWAY CORPORATION OF AMERICA, Chicago, Ill. Filed Sept. 20, 1934.

MOTO-SWAY

For Rocking Devices for Automobiles for Alternately Lifting Either Side of the Chassis or Vehicles for Releasing the Weight Off the Springs so as to Separate the Spring to Permit Oiling or Greasing Between Said Spring Leaves.

Claims use since March, 1933.

Ser. No. 356,325. WINDSOR MANUFACTURING CO., INC., Orange, N. J. Filed Sept. 22, 1934.

BIG BOY BLUE

For Safety Razor Blades.
Claims use since Feb. 6, 1933.

Ser. No. 356,569. THE ACME SHEAR COMPANY, Bridgeport and Knowlton, Conn. Filed Sept. 29, 1934.

"VELTEX"

For Scissors and Shears.
Claims use since Sept. 12, 1934.

Ser. No. 356,570. THE ACME SHEAR COMPANY, Bridgeport and Knowlton, Conn. Filed Sept. 29, 1934.

PLUSHTEX

For Scissors and Shears.
Claims use since Sept. 10, 1934.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 351,884. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed May 25, 1934.

Telefunken

Applicant is the owner of Trade-Marks 93,710 and 235,093, registered Oct. 14, 1913, and Nov. 8, 1927, respectively.

For Wave Meters, Cameras and Parts Thereof, Plate Holders, Optical Lenses, Revolution Counters, Stroboscopes, Sensitized Photographic Paper, Motion Picture and Sound Motion Picture Apparatus and Films.

Claims use since May 27, 1903.

Ser. No. 356,004. GENERAL FITTINGS COMPANY, Providence, R. I. Filed Sept. 13, 1934.

BOILERSTAT

For Instrument Which Will Thermostatically Control a Heating Apparatus.

Claims use since Aug. 1, 1934.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 347,427. WALGREEN CO., Chicago, Ill. Filed Feb. 15, 1934.

ORA-SAN

For Tooth Brushes.
Claims use since Feb. 5, 1934.

Ser. No. 355,004. EMIL DOLL, West New York, N. J. Filed Aug. 13, 1934.

DENT-O-CRAT

For Tooth Brushes.
Claims use since Dec. 15, 1933.

Ser. No. 356,222. FEMININE PRODUCTS, INC., New York, N. Y. Filed Sept. 20, 1934.

SUEDE-PAC

No claim is made to the word "Suede" apart from the mark shown.

For Shoe Brushes.
Claims use since Feb. 12, 1934.

CLASS 32

Furniture and Upholstery

Ser. No. 356,217. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Sept. 20, 1934.

PARKWAY

For Slip Covers for Automobile Seats and Furniture.
Claims use since Jan. 1, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 357,072. TORVIC OIL BURNER CORPORATION, Hagerstown, Md. Filed Oct. 12, 1934.

TORVIC

For Oil Burners.
Claims use sinc May 8, 1931.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 353,698. THE BELMONT PACKING & RUBBER COMPANY, Philadelphia, Pa. Filed July 10, 1934.

THE BELMONT PACKING & RUBBER CO. — BELMONT — PHILADELPHIA, U.S.A.

"Philadelphia, U. S. A." is disclaimed apart from the mark shown.

For Packing and Packing Material Made of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Various Combinations Thereof—Namely, Those Known as Steam, High Pressure Steam, Hot Water, Hydraulic, Acid, Ammonia and Air Packings; Gaskets, Hose and Flexible Conduits; Diaphragms of Rubber and Rubber and Cotton; Twisted, Braided, and Woven Asbestos; Pump Valves and Valve Discs; and Belting.

Claims use since Mar. 21, 1932.

CLASS 36

Musical Instruments and Supplies

Ser. No. 351,885. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed May 25, 1934.

Telefunken

Applicant is the owner of Trade-Marks 93,710 and 235,093, registered Oct. 14, 1913, and Nov. 8, 1927, respectively.

For Tuning Forks, Mechanical and Electrical Musical Instruments, Consisting of Pianos, Grand Pianos, and Organs, Bowed and Fretted String Instruments, Phonographs, and Phonograph Discs.

Claims use since May 27, 1903.

CLASS 37

Paper and Stationery

Ser. No. 347,661. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Feb. 20, 1934.

GOLDEN WEST

For Kraft Paper in Natural and Artificial Colors.

Claims use since Jan. 22, 1934.

Ser. No. 356,104. EDWIN G. DEXTER, Washington, D. C. Filed Sept. 17, 1934.

AUTOLOG

For Blank Books.

Claims use since Sept. 13, 1934.

Ser. No. 356,127. THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Sept. 17, 1934.

Chintz

For Plain or Unprinted Paper Napkins and Toilet Paper.

Claims use since Nov. 11, 1933.

Ser. No. 356,284. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Sept. 24, 1934.

FLUFF · LIN

For Toilet Paper.

Claims use since Mar. 16, 1934.

Ser. No. 356,987. ATLANTIC REGISTER COMPANY, Waltham, Mass. Filed Oct. 11, 1934.

ARCOPAK

For Continuous Manifolding Forms for Business.

Claims use since Jan. 1, 1933.

Ser. No. 357,001. GOLCO SANITARY SYSTEM, INC., Philadelphia, Pa. Filed Oct. 11, 1934.

REZLAM

For Toilet Paper.

Claims use since Aug. 1, 1932.

Ser. No. 357,052. C. HOWARD HUNT PEN COMPANY, Camden, N. J. Filed Oct. 12, 1934.

DURIGOLD

For Pens.

Claims use since Nov. 3, 1933.

Ser. No. 357,112. THE UPSON COMPANY, Lockport, N. Y. Filed Oct. 12, 1934.

REDIPREP

For Fiber Board Having a Prepared or Decorated Surface, and Intended Primarily for Signs, Displays, Cut-Outs, and the Like.

Claims use since Aug. 30, 1934.

CLASS 38

Prints and Publications

Ser. No. 342,146. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Oct. 4, 1933.

DANNY DINGLE

For Comic Strip.

Claims use since July 24, 1924.

Ser. No. 354,563. CHILTON COMPANY, Philadelphia, Pa. Filed Aug. 2, 1934.

CHILTON *Automotive* BUYER'S GUIDE

For Quarterly Publication.

Claims use since May, 1934.

Ser. No. 356,623. KABLE BROTHERS COMPANY, Mount Morris, Ill. Filed Oct. 1, 1934.

AMERICAN HOUSEKEEPER

For Periodical.

Claims use since July 16, 1934.

Ser. No. 357,059. PUBLISHERS SYNDICATE, Chicago, Ill. Filed Oct. 12, 1934.

APPLE MARY

For Newspaper Cartoons Published in a Continuing Series.

Claims use since Sept. 11, 1934.

Ser. No. 357,174. COMMERCE CLEARING HOUSE, INC., Chicago, Ill. Filed Oct. 16, 1934.

The **TAX MAGAZINE**

For Magazine.

Claims use since November, 1930.

CLASS 39

Clothing

Ser. No. 348,200. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 5, 1934.

GIBRALTAR

For Rubber Waterproof Footwear and Canvas Rubber Soled Footwear—Namely, Boots, Arctics, Rubbers, Galoshes, and Gaiters.

Claims use since 1910.

Ser. No. 349,943. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Apr. 13, 1934.

LEE 2 OUNCE WATER BLOC

No claim is made to the term "2 Ounce" except as shown.

For Men's and Women's Felt Hats.

Claims use since Apr. 1, 1934.

Ser. No. 352,288. DAVID H. KRAFT, New York, N. Y. Filed June 5, 1934.

BONNIE BRIAR — THE PERFECT-FITTING SLIP

Applicant disclaims the term "The Perfect Fitting Slip" apart from the mark shown.

For Ladies' Slips.

Claims use since Apr. 20, 1934.

Ser. No. 354,159. KEWPIE DRESS CO. INC., New York, N. Y. Filed July 21, 1934.

KEWPIE FROCKS

The word "Frocks" is disclaimed.

For Infants' and Children's Dresses.

Claims use since 1923.

Ser. No. 354,765. MODERN MFG. CO., New York, N. Y. Filed Aug. 8, 1934.



The words "Slip on Frocks" and "The Modern Home Frock" are disclaimed.

For Misses' and Women's Cotton Dresses and Frocks.

Claims use since October, 1933.

Ser. No. 355,089. CHARLES LIPSCHITZ, New York, N. Y. Filed Aug. 14, 1934.

AD-N-NETTE'S

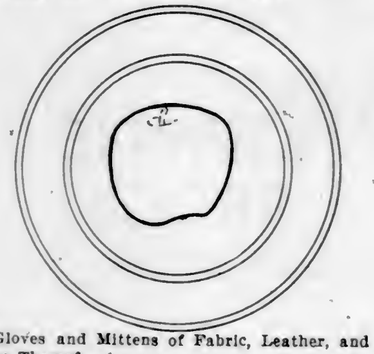
For Ladies' Underwear.
Claims use since July 28, 1934.

Ser. No. 355,462. CANNON SHOE COMPANY, Baltimore, Md. Filed Aug. 27, 1934.

CANNON'S FLEXIBLE ORTHOPEDIC for TIRED TENDER FEET

Applicant disclaims the words "Flexible", "Orthopedic", and "For Tired Feet" apart from the mark as shown.
For Leather Shoes.
Claims use since June 13, 1934.

Ser. No. 355,512. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Aug. 28, 1934.



For Gloves and Mittens of Fabric, Leather, and Combinations Thereof.
Claims use since 1923.

Ser. No. 355,723. AUGUSTA KNITTING CORPORATION, Utica, N. Y. Filed Sept. 5, 1934.

ADJUSTO-BAK

No claim is made to the word "Bak" apart from the mark.
For Men's, Children's, and Women's Unionsuits.
Claims use since June, 1934.

Ser. No. 356,111. HILLSDALE MANUFACTURING COMPANY, Hillsdale, Mich. Filed Sept. 17, 1934.

Zip-Jack

For Men's and Boys', Women's and Girls' Coats and Lumber Jackets.
Claims use since Sept. 4, 1934.

Ser. No. 356,199. SARNOFF-IRVING, INC., New York, N. Y. Filed Sept. 19, 1934.

Crestwood CLOTHES

No claim is made to the word "Clothes" apart from the mark. The drawing is lined for red.
For Men's and Boys' Suits and Topcoats.
Claims use since June 15, 1934.

Ser. No. 356,205. MAX WEINER, doing business as Max Weiner & Co., Philadelphia, Pa. Filed Sept. 19, 1934.

CORONET

For Dress, Negligee, and Work Shirts for Men and Boys.
Claims use since Mar. 17, 1934.

Ser. No. 356,452. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn. Filed Sept. 26, 1934.

MINNE-MUMS

For Infants', Children's, and Misses' Underwear.
Claims use since Sept. 12, 1934.

Ser. No. 356,453. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn. Filed Sept. 26, 1934.

NESLINGS

For Infants', Children's, and Misses' Underwear.
Claims use since Sept. 12, 1934.

Ser. No. 356,477. EDISON BROTHERS STORES, INC., St. Louis, Mo. Filed Sept. 27, 1934.

Val-u-Bond

For Shoes Made of Leather and Fabric and Combinations of Leather, Rubber, and Fabric.
Claims use since Sept. 15, 1934.

Ser. No. 356,575. CAPSON HAT COMPANY, INC., Fall River, Mass. Filed Sept. 29, 1934.



For Men's Hats and Caps.
Claims use since Feb. 10, 1930.

Ser. No. 356,675. I. SCHEIERSON & SONS, INC., New York, N. Y. Filed Oct. 2, 1934.



For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since June 21, 1934.

Ser. No. 356,806. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Oct. 5, 1934.

Zipporter

For Swimming Suits.
Claims use since Sept. 15, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 354,887. THE BRIDGEPORT COACH LACE COMPANY, Bridgeport, Conn. Filed Aug. 11, 1934.

Bead O'Vette

No claim is made to the term "Bead" apart from the mark.
For Beaded Fabric, Including Connected Metal Beads Woven Into It as Warps; Other Warps and Filling Threads Being of Fibre, Including Silk, Wool, Rayon, Cotton, Linen, or the Like.
Claims use since June 10, 1934.

Ser. No. 355,341. EDGAR B. WALTERS ORGANIZATION INCORPORATED, New York, N. Y. Filed Aug. 22, 1934.



For Robes and Blankets of Textile Material.
Claims use since June 11, 1934.

Ser. No. 356,084. SALZMAN & KLINGER, INC., New York, N. Y. Filed Sept. 15, 1934.

IRONET

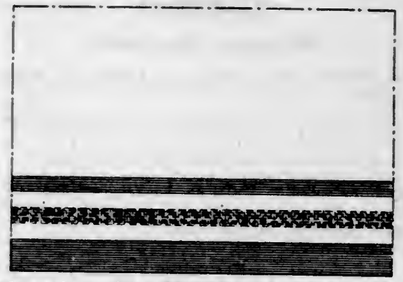
For Netting.
Claims use since Aug. 15, 1934.

Ser. No. 356,212. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Sept. 20, 1934.

"WALKEZE"

For Rugs, Floor Coverings, Rug Cushions, in Wool, Cotton, and Fibre.
Claims use since Aug 10, 1934.

Ser. No. 356,243. WILMERDING & BISSET, New York, N. Y. Filed Sept. 20, 1934.



Trade-mark consists of two blue stripes with a yellow stripe between them.
For Canvas Used for Interlining Purposes.
Claims use since July 14, 1934.

Ser. No. 356,292. BIANCHINI, FERIER, Lyon, France. Filed Sept. 22, 1934.

CHANTANT

For Piece Goods Composed Wholly or in Part of Wool, Hair Silk, Rayon, Cotton, Hemp, Flax, Jute, Alpha Fibre, Aloe Fibre, Vegetable Fibre, or Mixtures Thereof.
Claims use since June 29, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 352,375. HAYMES AND MANN, New York, N. Y. Filed June 7, 1934.

NIRANIUM

For Dental Supplies—Namely, Artificial Dentures, Plates and Bridges, and Similar Metal Dental Supplies and Devices Such as Plates, Bridges, and Pins.
Claims use since Apr. 16, 1934.

Ser. No. 355,353. THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio. Filed Aug. 23, 1934.

COOL-REST

For Air Conditioning Bed Coolers.
Claims use since May 14, 1934.

Ser. No. 356,560. ZOTOS CORPORATION, New York, N. Y. Filed Sept. 28, 1934.

JAMAL

For Hair Waving Pads.
Claims use since Sept. 26, 1934.

Ser. No. 356,936. AMERICAN ANODE INC., Akron, Ohio. Filed Oct. 10, 1934.

AMERAN

For Applicators for Use in Connection with Hydro-Thermal Therapeutic Devices.
Claims use since May 25, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 349,931. HILL-LUTHY CO., Peoria, Ill. Filed Apr. 13, 1934.

HILL-BILLY

For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Water.
Claims use since Dec. 10, 1933.

Ser. No. 355,987. MAYNARD S. SMITH, doing business as Salutaris Mineral Springs Company, St. Clair, Mich. Filed Sept. 12, 1934.

Sal-u-tariS

For Mineral Water and Ginger Ale.
Claims use snce June 15, 1878.

Ser. No. 356,526. A. MARTINEZ CORPORATION, New York, N. Y. Filed Sept. 28, 1934.

RUMBA



For Nonalcoholic, Maltless Sirup Used as a Flavoring for Beverages.
Claims use since Oct. 1, 1933.

Ser. No. 356,639. ROOT POP BOTTLING COMPANY, INC., Washington, D. C. Filed Oct. 1, 1934.

ROOT ROCK

For Nonalcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since June 1, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 341,647. ABRAHAM DWORKIS, Brooklyn, N. Y. Filed Sept. 18, 1933.

White Bell

For Canned Fruits, Canned Vegetables, Canned Fish, Dried Fruits, Wheat Flour, Breakfast Cereals, Nuts, Spices, Fruit Preserves, Coffee, Catsup, Dried Beans, Honey.
Claims use since June 15, 1927.

Ser. No. 349,052. FREDERICK PHILLIPS, Boston, Mass. Filed Mar. 22, 1934.

24 lbs. nmc.



All wording except "Queen of Hearts" is disclaimed apart from the mark.
For Wheat Flour.
Claims use since Mar. 1, 1929.

Ser. No. 349,297. VON ALLMEN PRESERVING CO., INC., Louisville, Ky. Filed Mar. 29, 1934.

MAGIC MIX

Applicant makes no claim to the name "Mix" apart from the mark.
For Salad Dressing and Relish Spread.
Claims use since January, 1934.

Ser. No. 350,703. MCCORD-STEWART COMPANY, Atlanta, Ga. Filed Apr. 30, 1934.

FARM BELL

For Food Products—Namely, Coffee, and Candy.
Claims use since November, 1900.

Ser. No. 351,871. REX DOG FOOD PRODUCTS COMPANY, Brooklyn, N. Y. Filed May 25, 1934.

REX



For Canned Foods for Dogs, Cats, and Carniverous Animals.
Claims use since Dec. 22, 1933.

Ser. No. 353,482. PARAMOUNT BAKING CO. INC., Decatur, Ill. Filed July 3, 1934.



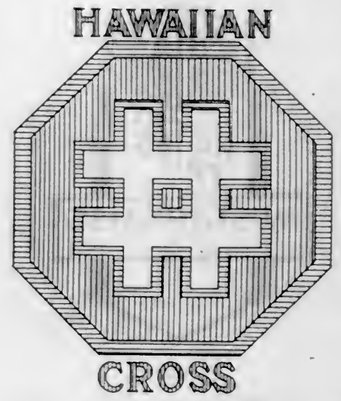
Applicant disclaims the words "See the Goodness of the Bread You Buy" apart from the mark. The portrait is fanciful.
For Bread, Rolls, Pies, Cakes, Buns, and Doughnuts.
Claims use since Mar. 31, 1934.

Ser. No. 353,699. CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif. Filed July 10, 1934.



The outline of the wrapper and the words "Tree-Ripened", "California", "Fruits" are disclaimed apart from the mark.
For Dried Fruits.
Claims use since June 2, 1933.

Ser. No. 353,790. ALEXANDER & BALDWIN, LTD., Honolulu, Hawaii. Filed July 12, 1934.



The drawing is lined for blue and red.
For Rice.
Claims use since Aug. 15, 1929.

Ser. No. 353,791. ALEXANDER & BALDWIN, LTD., Honolulu, Hawaii. Filed July 12, 1934.



The drawing is lined for green and red.
For Rice.
Claims use since Aug. 15, 1929.

Ser. No. 353,792. ALEXANDER & BALDWIN, LTD., Honolulu, Hawaii. Filed July 12, 1934.

TERRITORY

For Rice.
Claims use since Aug. 15, 1929.

Ser. No. 354,106. H. & F. Food Products Corporation, Buffalo, N. Y. Filed July 19, 1934.

HETTY FAIRS
MUSTARNAISE

For Salad Dressing.
Claims use since Jan. 1, 1934.

Ser. No. 354,467. J. D. Martin, Woodlake, Calif. Filed July 31, 1934.

GOOD YEAR

For Fresh Grapes and Oranges.
Claims use since Aug. 1, 1922.

Ser. No. 354,567. Maplecrest Turkey Farms, Wellman, Iowa. Filed Aug. 2, 1934.

MAPLE CREST
MILK FED
PEN FATTENED
EXTRA FANCY TURKEYS

No claim is made to the representation of the turkey nor to any words, except "Maplecrest" apart from the mark as shown. The drawing is lined for red and green.
For Dressed Turkeys.
Claims use since Oct. 1, 1931.

Ser. No. 355,503. A. M. Whipple, doing business as A. M. Whipple & Co., Watsonville, Calif. Filed Aug. 27, 1934.

Vitafood

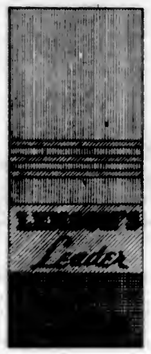
For Fresh Vegetables.
Claims use since Dec. 27, 1933.

Ser. No. 355,531. Drew Canning Company, Ltd., Campbell, Calif. Filed Aug. 29, 1934.

FAN-C-PAK

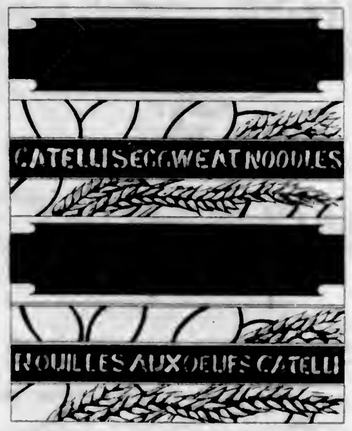
For Canned Fruits, Canned Vegetables.
Claims use since Aug. 1, 1934.

Ser. No. 355,738. U. & J. Lenson Co., New York, N. Y. Filed Sept. 5, 1934.



Applicant disclaims the word "Coffee" apart from the mark shown. The drawing is lined for red, brown, and black.
For Roasted Coffee.
Claims use since June 1, 1934.

Ser. No. 356,178. Catelli Macaroni Products Corporation, Limited, Montreal, Quebec, Canada. Filed Sept. 19, 1934.



All words except "Catelli's" and "Catelli" are disclaimed apart from the mark.
For Alimentary Pastes, Macaroni, Spaghetti, and Noodles.
Claims use since June, 1929.

Ser. No. 356,197. The Rath Packing Company, Waterloo, Iowa. Filed Sept. 19, 1934.

Ham Devilette

No claim is made to the word "Ham."
For Deviled Ham.
Claims use since Nov. 18, 1933.

Ser. No. 356,206. Land O'Lakes Creameries, Inc., Minneapolis, Minn. Filed Sept. 15, 1934.



Land O'Lakes

For Maple Syrup.
Claims use since Apr. 1, 1934.

Ser. No. 356,260. James McLeslie, Inc., Chicago, Ill. Filed Sept. 21, 1934.

HABACURE

For Preparation for Curing Meat Products.
Claims use since Sept. 11, 1934.

Ser. No. 356,352. R. W. Jones, Inc., Buffalo, N. Y. Filed Sept. 24, 1934.



For Dairy Products—Namely, Sweet Milk, Buttermilk, Cream, and Cottage Cheese.
Claims use since 1928.

Ser. No. 356,591. Ezra Levin, Chicago, Ill. Filed Sept. 29, 1934.

VioBin

For Cereal Grain Germ Product Employed as a Food or Ingredient of a Food.
Claims use since Dec. 2, 1933.

Ser. No. 357,138. Growers & Packers Canning Company, North Collins, N. Y. Filed Oct. 15, 1934.

GRO-PAK

For Canned Fruits and Vegetables.
Claims use since Oct. 9, 1934.

CLASS 47

Wines

Ser. No. 348,158. K. Arakelian, Inc., Madera, Calif. Filed Mar. 5, 1934.



The word "Trophy" is disclaimed except in the association shown.
For Wines.
Claims use since December, 1933.

Ser. No. 351,906. CASA VINICOLA F. BERTOCCHINI & C., Leghorn, Italy. Filed May 26, 1934.







The facsimile signature is that used by the applicant, the firm named herein, the signature having been executed by Dr. Umberto Bertocchini, a member of said firm.
For Wines.
Claims use since January, 1933.

Ser. No. 352,426. GIUSEPPE B. CARPANO, Turin, Italy. Filed June 8, 1934.

PUNTeMES

For Vermouths.
Claims use since May 24, 1919.

Ser. No. 353,422. NATHAN WIRKLICH, executor of the estate of Joseph Wirklich, New York, N. Y. Filed June 30, 1934.



All notations on the drawing except "Established 1888" and "Estate of Joseph Wirklich" are disclaimed.
For Still Wines.
Claims use since June 8, 1934.

Ser. No. 356,836. SEVERINO GAVIO, New York, N. Y. Filed Oct. 6, 1934.



For Wines.
Claims use since June 1, 1934.

Ser. No. 357,134. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.





For Wines.
Claims use since Oct. 9, 1934.

Ser. No. 357,153. W. P. SPRECKELS & CO., INC., New York, N. Y. Filed Oct. 15, 1934.

Duc d'Epernay

For Wines.
Claims use since Sept. 10, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 347,543. CARLING BREWERIES LIMITED, London, Ontario, Canada. Filed Feb. 19, 1934.

RED CAP

For Ale of Not More Than the Legal Alcoholic Content.
Claims use since 1840.

Ser. No. 354,036. HABERLE CONGRESS BREWING CO., INC., Syracuse, N. Y. Filed July 18, 1934.



No claim is made to the words "Cream" and "Ale" apart from the mark. The drawing is lined for red and green.
For Ale.
Claims use since May 20, 1912.

Ser. No. 357,062. SCHOENHOFEN EDELWEISS COMPANY, Chicago, Ill. Filed Oct. 12, 1934.

Haddon Hall

For Malt Beverages Having Not Over the Legal Alcoholic Content.
Claims use since January, 1929.

Ser. No. 357,116. BELMONT BREWING CO., Martins Ferry, Ohio. Filed Oct. 15, 1934.

OX HORN

For Ale.
Claims use since Sept. 28, 1934.

Ser. No. 357,149. HARRY J. OSTERSTOCK, doing business as Seitz Brewing Co., Easton, Pa. Filed Oct. 15, 1934.

Lamb's Club

For Malt Beverages Having Not More Than the Legal Alcoholic Content.
Claims use since Mar. 30, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 349,285. KINOS INTERNATIONAL INCORPORATED, Chicago, Ill. Filed Mar. 29, 1934.

BY APPOINTMENT TO THE AMERICAN EPICURE

For Gin.
Claims use since Jan. 9, 1934.

Ser. No. 353,149. S. E. RYKOFF & COMPANY, Los Angeles, Calif. Filed June 25, 1934.



The portrait is fanciful.
For Straight Whiskey.
Claims use since Jan. 18, 1934.

Ser. No. 354,310. THE SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Filed July 25, 1934.

Oakwood

For Whisky.
Claims use since 1908.

Ser. No. 354,314. THE SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Filed July 25, 1934.

QUEEN OF SCOTS

For Whisky.
Claims use since Mar. 1, 1934.

Ser. No. 355,700. HERM. G. DETHLEFFSEN, Flensburg, Germany. Filed Sept. 4, 1934.



The words "Flensburg", "Sleswic-Germany", "To Be Served Ice Cold" and "Aquavit" are disclaimed apart from the mark.
For Aquavit (Alcoholic Liquor).
Claims use since 1921.

Ser. No. 357,054. NEW ENGLAND DISTILLERS, INCORPORATED, Clinton, Mass. Filed Oct. 12, 1934.

OLD BOUNTY

For Rum.
Claims use since Oct. 11, 1934.

Ser. No. 357,055. NEW ENGLAND DISTILLERS, INCORPORATED, Clinton, Mass. Filed Oct. 12, 1934.

OLD POST ROAD

For Rum.
Claims use since Oct. 11, 1934.

Ser. No. 357,091. CLEAR SPRING DISTILLING COMPANY, Chicago, Ill. Filed Oct. 13, 1934.

Clear Spring

For Whiskey.
Claims use since 1890.

Ser. No. 357,096. JOSEPH S. FINCH AND COMPANY, Schenley, Pa. Filed Oct. 13, 1934.

JEAN ROBERT

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 19, 1934.

Ser. No. 357,105. THE THOMAS WARD DISTILLING COMPANY, INCORPORATED, Westminster, Md. Filed Oct. 13, 1934.

Maryland Valley

For Whiskey.
Claims use since Oct. 9, 1934.

Ser. No. 357,122. DOR-LIN DISTRIBUTING CO., St. Louis, Mo. Filed Oct. 15, 1934.

JACK HORNER

For Whiskey.
Claims use since July 10, 1934.

Ser. No. 357,123. DOR-LIN DISTRIBUTING CO., St. Louis, Mo. Filed Oct. 15, 1934.

OLD SCENTER

For Whiskey.
Claims use since Apr. 10, 1934.

Ser. No. 357,124. DOR-LIN DISTRIBUTING CO., St. Louis, Mo. Filed Oct. 15, 1934.

SWEET BRIAR

For Whiskey.
Claims use since June 23, 1934.

Ser. No. 357,129. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

CALWA

For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,130. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

Carolina Belle

For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,131. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

CERRITO

For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,132. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

18-K

For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,135. FRUIT INDUSTRIES, LTD., Los Angeles, Calif, and New York, N. Y. Filed Oct. 15, 1934.

L & J

For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,137. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

WINEHAVEN

For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,155. TONKIN DISTRIBUTING CO., doing business as Columbia Distilling Co., San Francisco, Calif. Filed Oct. 15, 1934.

BLACKWOOD

For Whiskey.
Claims use since Aug. 20, 1934.

Ser. No. 357,175. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 16, 1934.

BALBOA

For Brandy.
Claims use since Oct. 10, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 356,283. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 22, 1934.

PLIOFILM

For Transparent, Colored or Uncolored, Slightly Extensible Film, Sheet or Strip, Composed Entirely or Largely of a Rubber Derivative for Wrapping, Packaging, and Covering.
Claims use since June 28, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 20, 1934

319,133. ASTRINGENTS, ASTRINGENT CERATES, BLEACH AND BEAUTY CREAMS, ETC. CHARLES S. PEARSALL, New York, N. Y.
Filed August 2, 1934. Serial No. 354,576. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,134. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, SIRUP AND EXTRACT FOR MAKING THE SAME. C. E. TREES & COMPANY, INC., Indianapolis, Ind.
Filed August 4, 1934. Serial No. 354,665. PUBLISHED SEPTEMBER 11, 1934. Class 45.

319,135. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed July 23, 1934. Serial No. 354,221. PUBLISHED SEPTEMBER 4, 1934. Class 49.

319,136. BUTTER. J. R. KRAMER, INC., New York, N. Y.
Filed July 23, 1934. Serial No. 354,209. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,137. IRISH WHISKY. THE "OLD BUSHMILLS" DISTILLERY CO., LIMITED, Belfast, Ireland.
Filed July 20, 1934. Serial No. 354,132. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,138. WETTING AGENT FOR ACCELERATING THE REMOVAL OF LEAD AND ARSENIC RESIDUES FROM APPLES. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y.
Filed July 27, 1934. Serial No. 354,364. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,139. WHISKEY, GIN, BRANDY, RUM. CALLIS AND HAMMOND, Baltimore, Md.
Filed July 26, 1934. Serial No. 354,343. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,140. SERIES OF DIFFERENT MOTION-PICTURE FILMS. WARNER BROS. PICTURES, INC., New York, N. Y.
Filed July 23, 1934. Serial No. 354,229. PUBLISHED SEPTEMBER 11, 1934. Class 26.

319,141. LUBRICATING OILS AND GREASES. WOLVERINE-EMPIRE REFINING CO., New York, N. Y.
Filed August 7, 1934. Serial No. 354,738. PUBLISHED SEPTEMBER 11, 1934. Class 15.

319,142. FIRECRACKERS. SHUN ON & COMPANY, San Francisco, Calif.
Filed August 6, 1934. Serial No. 354,700. PUBLISHED SEPTEMBER 11, 1934. Class 9.

319,143. WINES. WALTER R. WRIGHT, doing business as Wine Trading Company, Los Angeles, Calif.
Filed July 31, 1934. Serial No. 354,493. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,144. WINES. DAVID PENDER GROCERY CO., Norfolk, Va.
Filed July 31, 1934. Serial No. 354,473. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,145. LUBRICATING OILS AND GREASES. WOLVERINE-EMPIRE REFINING CO., New York, N. Y.
Filed August 7, 1934. Serial No. 354,739. PUBLISHED SEPTEMBER 11, 1934. Class 15.

319,146. WHISKEY, GIN, BRANDY, AND ALCOHOLIC CORDIALS AND LIQUEURS. KIENZLER COMPANY, INC., New York, N. Y.
Filed August 4, 1934. Serial No. 354,655. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,147. PERFUMES. LENTHERIC, INCORPORATED, New York, N. Y.
Filed August 4, 1934. Serial No. 354,657. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,148. WINE. ARTHUR J. CAPONE, doing business as A. J. Capone Company, New York, N. Y.
Filed August 3, 1934. Serial No. 354,599. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,149. WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. THE STEINHARDT COMPANY, INC., New York, N. Y.
Filed Aug. 3, 1934. Serial No. 354,641. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,150. WHISKEY. THE WEIDMAN CO., Cleveland, Ohio.
Filed August 3, 1934. Serial No. 354,645. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,151. BEER. LINDEN BREWERY, INC., Lindenhurst, Long Island, N. Y.
Filed August 1, 1934. Serial No. 354,512. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,152. WHISKEY. THE UNION DISTILLERS PRODUCTS CO., Baltimore, Md.
Filed August 4, 1934. Serial No. 354,667. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,153. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED IN MAKING THE SAME. SHIVAR SPRINGS, INC., Shelton, S. C.
Filed August 1, 1934. Serial No. 354,526. PUBLISHED SEPTEMBER 11, 1934. Class 45.

319,154. LOTION FOR THE TREATMENT OF ATHLETE'S FOOT. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed August 1, 1934. Serial No. 354,527. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,155. INSECTICIDES AND FUNGICIDES. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed July 28, 1934. Serial No. 354,408. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,156. STEREOTYPE MATRIX DRYERS. GEORGE M. CLARK, doing business as American Publishers' Supply, Lynn, Mass.
Filed July 28, 1934. Serial No. 354,401. PUBLISHED SEPTEMBER 11, 1934. Class 23.

319,157. RUM. EDMUNDO B. FERNANDEZ, Bayamon, Puerto Rico.
Filed July 27, 1934. Serial No. 354,372. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,158. PERFUMES, FACE POWDER, DUSTING POWDER, TOILET WATER, LIPSTICK. MYON, INC., New York, N. Y.
Filed July 31, 1934. Serial No. 354,470. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,159. INSECTICIDES. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J.
Filed July 31, 1934. Serial No. 354,469. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,160. WASHING POWDERS FOR CLEANING WOOD SURFACES, PAINTED WALLS, AND AS A GENERAL HOUSEHOLD CLEANSING PRODUCT. WILLIAM MEISELBAR, doing business as Little Willie Products Company, Gary, Ind.
Filed July 30, 1934. Serial No. 354,447. PUBLISHED SEPTEMBER 11, 1934. Class 4.

319,161. OLIVE OIL. ANGELO CUSTODE, Brooklyn, N. Y.
Filed July 27, 1934. Serial No. 354,368. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,162. STRINGS FOR MUSICAL INSTRUMENTS. HERMANN SIMSON, doing business as H. Simson Company, New York, N. Y.
Filed July 19, 1934. Serial No. 354,097. PUBLISHED SEPTEMBER 11, 1934. Class 36.

319,163. LADIES' UNDERGARMENTS—NAMELY, SLIPS, PANTIES, AND CHEMISES, LADIES' NIGHTGOWNS AND LADIES' PAJAMAS. GARFINKEL & RITTER, New York, N. Y.
Filed July 19, 1934. Serial No. 354,078. PUBLISHED SEPTEMBER 4, 1934. Class 39.

319,164. BEER. THE OERTEL COMPANY, INCORPORATED, Louisville, Ky.
Filed July 20, 1934. Serial No. 354,131. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,165. CANNED SHRIMP AND CANNED OYSTERS. DUNBAR-DUKATE CO., INC., New Orleans, La.
Filed July 20, 1934. Serial No. 354,115. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,166. GIN. BELLOWS & COMPANY, INC., New York, N. Y.
Filed July 20, 1934. Serial No. 354,109. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,167. COFFEE-LIKE BEVERAGE. KELLOGG COMPANY, Battle Creek, Mich.
Filed January 25, 1932. Serial No. 323,438. PUBLISHED JUNE 14, 1932. Class 46.

319,168. BOYS' BELTS FOR PERSONAL WEAR. S. B. LAVICK CO., INC., Chicago, Ill.
Filed November 22, 1926. Serial No. 240,419. PUBLISHED JANUARY 4, 1927. Class 39.

319,169. COTTON THREAD. SUMMIT THREAD COMPANY, Boston, Mass.
Filed July 31, 1934. Serial No. 354,482. PUBLISHED SEPTEMBER 11, 1934. Class 43.

319,170. MEDICINES AND CREAMS. THIOSEPT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Vienna, Austria.
Filed September 20, 1932. Serial No. 330,529. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,171. MEN'S HOSE. WILSON BROTHERS, Chicago, Ill.
Filed July 8, 1932. Serial No. 328,652. PUBLISHED SEPTEMBER 4, 1934. Class 39.

319,172. MEN'S CLOTHING—NAMELY, COATS, VESTS, AND TROUSERS. JULIUS GARFINCKEL, doing business as Julius Garfinckel & Co., Washington, D. C.
Filed June 21, 1934. Serial No. 352,974. PUBLISHED AUGUST 21, 1934. Class 39.

319,173. WOMEN'S UNDERGARMENTS — NAMELY, GIRDLES, CORSETS, BRASSIÈRES, CHEMISES, PANTIES, AND BRASSIÈRE, PANTIE, AND GIRDLE COMBINATIONS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed June 21, 1934. Serial No. 352,978. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,174. GINS. COE DISTRIBUTORS, INC., New York, N. Y.
Filed June 21, 1934. Serial No. 352,966. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,175. SEATS FOR CHILDREN AND BABIES ADAPTED TO BE SUPPORTED ON THE BACKS OF AUTOMOBILE SEATS AND ON HOUSEHOLD ARTICLES OF FURNITURE SUCH AS CHAIRS, COUCHES, BEDS, AND THE LIKE. WELSH-HARTMAN COMPANY, St. Louis, Mo.
Filed February 5, 1934. Serial No. 346,999. PUBLISHED SEPTEMBER 11, 1934. Class 32.

319,176. STABILIZING AGENTS FOR USE IN CONNECTION WITH PEROXIDE BLEACHING. COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed February 1, 1934. Serial No. 346,807. PUBLISHED MARCH 27, 1934. Class 6.

319,177. DRY GIN. MOUNT ROSE DISTILLING CO., Trenton, N. J.
Filed January 17, 1934. Serial No. 346,170. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,178. SWEATERS, DRESSES, AND COATS FOR THE USE OF WOMEN AND CHILDREN. GROBLUE KNITTING MILLS INC., Newark, N. J.
Filed February 26, 1934. Serial No. 347,850. PUBLISHED SEPTEMBER 4, 1934. Class 39.

319,179. LAMPSHADES FORMED OF IMPREGNATED AND COATED PAPER AND LIKE MATERIAL. TINSEL CORPORATION OF AMERICA, New York, N. Y.
Filed February 14, 1934. Serial No. 347,388. PUBLISHED SEPTEMBER 11, 1934. Class 34.

319,180. ELECTRICAL TIMERS, ELECTRICALLY OPERATED TIMING SWITCHES FOR LAUNDRY MACHINERY, AND ELECTRIC TRAFFIC-SIGNAL CONTROLLERS AND PARTS OF SUCH TIMERS, SWITCHES, AND CONTROLLERS. EAGLE SIGNAL CORPORATION, Moline, Ill.
Filed February 12, 1934. Serial No. 347,273. PUBLISHED SEPTEMBER 11, 1934. Class 21.

319,181. SCALE REMOVING AND FLUSHING COMPOUNDS FOR BOILERS AND AUTOMOBILE RADIATORS. EDWARD R. TOLFREE, doing business as "X" Laboratories, New York, N. Y.
Filed July 17, 1934. Serial No. 354,009. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,182. SPARK PLUGS. FRED L. ROUNSEVELL, doing business as Air-In Spark Plug Co., Los Angeles, Calif.
Filed July 17, 1934. Serial No. 354,005. PUBLISHED SEPTEMBER 11, 1934. Class 21.

319,183. CLOTHING—NAMELY, JUMPERS, CARDIGANS, PULLOVERS, SLIPONS, UNDERCOATS, AND SUITS FOR MEN, WOMEN, AND CHILDREN, AND WAISTCOATS FOR MEN. BARRIE & KEMSEL, Hawick, Scotland.
Filed February 27, 1934. Serial No. 347,895. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,184. FABRICS IN THE PIECE OF WOOL, COTTON, SILK, RAYON AND/OR COMBINATIONS THEREOF. FRED BUTTERFIELD & CO., INC., New York, N. Y.
Filed July 18, 1934. Serial No. 354,029. PUBLISHED SEPTEMBER 4, 1934. Class 42.

319,185. STORAGE BATTERIES. MURRAY BATTERY COMPANY, Philadelphia, PA.
Filed July 17, 1934. Serial No. 354,014. PUBLISHED SEPTEMBER 11, 1934. Class 21.

319,186. WINES. WINES OF SPAIN, INC., New York, N. Y.
Filed July 17, 1934. Serial No. 354,012. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,187. CIGARS AND TOBACCOS. R. H. MACY & CO., INC., New York, N. Y.
Filed July 18, 1934. Serial No. 354,046. PUBLISHED AUGUST 28, 1934. Class 17.

319,188. WASHING MACHINES, WRINGERS, AND FLAT IRONS. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill.
Filed July 18, 1934. Serial No. 354,040. PUBLISHED SEPTEMBER 11, 1934. Class 24.

319,189. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 18, 1934. Serial No. 354,030. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,190. MEN'S AND BOYS' WORK, DRESS AND SPORT TROUSERS, KNICKERS, RIDING BREECHES, COATS AND JACKETS. THE VAN WERT MFG. COMPANY, Van Wert, Ohio.
Filed July 19, 1934. Serial No. 354,101. PUBLISHED SEPTEMBER 4, 1934. Class 39.

319,191. CORSETS, BRASSIÈRES, GIRDLES, FOUNDATIONS—NAMELY, CORSET AND BRASSIÈRE COMBINATIONS; GARTER BELTS, BANDEAUX, AND COMBINATIONS—NAMELY, GIRDLES AND BRASSIÈRE COMBINATIONS. VOGUE BRASSIERE MFG. CO., Newark, N. J.
Filed June 16, 1934. Serial No. 352,803. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,192. SHOE NAILS, CLEATS, OR CALKS SPECIALLY FOR MOUNTAIN BOOTS. TRICOUNI S. A., Geneva, Switzerland.
Filed July 6, 1934. Serial No. 353,585. PUBLISHED SEPTEMBER 11, 1934. Class 13.

319,193. NECKTIES. BERNARD ROBBINS, Atlantic City, N. J.
Filed July 6, 1934. Serial No. 353,581. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,194. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 7, 1934. Serial No. 353,596. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,195. KNIT AND WOVEN UNDERWEAR—VIZ, UNION SUITS, SHIRTS AND SHORTS, AND PAJAMAS FOR MEN, WOMEN, AND CHILDREN. THE B. V. D. COMPANY, INC., Baltimore, Md.
Filed July 7, 1934. Serial No. 353,594. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,196. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ROMA GAZOSA COMPANY, Detroit, Mich.
Filed July 5, 1934. Serial No. 353,593. PUBLISHED SEPTEMBER 11, 1934. Class 45.

319,197. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 7, 1934. Serial No. 353,599. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,198. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 7, 1934. Serial No. 353,598. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,199. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 7, 1934. Serial No. 353,597. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,200. MEDICINAL PREPARATION FOR REDUCING OBESITY. THOMAS WELLESLEY PEART, Hamilton, Ontario, Canada.
Filed July 7, 1934. Serial No. 353,625. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,201. REBOUND MEASURING APPARATUS FOR DETERMINING THE SPRING ACTION OF VEHICLES AND CHARTS AND ACCESSORIES THEREFOR. STANLEY W. WIDNEY, Brooklyn, N. Y.
Filed July 7, 1934. Serial No. 353,624. PUBLISHED SEPTEMBER 11, 1934. Class 26.

319,202. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 7, 1934. Serial No. 353,600. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,203. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 10, 1934. Serial No. 353,702. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,204. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed July 9, 1934. Serial No. 353,654. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,205. SEWING THREAD. GERSHON & SCHREIBER, New York, N. Y.
Filed July 9, 1934. Serial No. 353,642. PUBLISHED SEPTEMBER 4, 1934. Class 43.

319,206. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 10, 1934. Serial No. 353,706. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,207. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 10, 1934. Serial No. 353,704. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,208. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 10, 1934. Serial No. 353,703. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,209. TOOTH POWDER, SKIN BALM, ALL-PURPOSE FACE CREAM, VANISHING FACE CREAM, LIQUEFYING FACE CREAM, AND CLEANSING FACE CREAMS. SUPERIOR LABORATORIES, INC., Cleveland, Ohio.
Filed July 10, 1934. Serial No. 353,737. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,210. AUTOMOBILE MUFFLERS. WINTHROP T. SCARRITT, receiver of The Pratt Chuck Co., New York, N. Y.
Filed July 10, 1934. Serial No. 353,728. PUBLISHED SEPTEMBER 11, 1934. Class 23.

319,211. HOSIERY FOR WOMEN. COOPER, WELLS & Co., St. Joseph, Mich.
Filed July 10, 1934. Serial No. 353,709. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,212. SULPHITES, SPECIFICALLY SODIUM SULPHITE, AND BOILER WATER TREATING CHEMICALS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 11, 1934. Serial No. 353,787. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,213. PREPARATIONS FOR TREATMENT OF THE STOMACH, LOSS OF APPETITE, ANEMIA, NERVOUS DISORDERS, TONING UP THE BLOOD, DYSPEPSIA, GAS ON THE STOMACH, PYORRHEA, BRONCHITIS, ASTHMA, FEMALE COMPLAINTS, KIDNEY TROUBLE, AND PILES; MOUTH WASHES. FORTUNATO CALABRO, Highland Park, Ill.
Filed July 11, 1934. Serial No. 353,748. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,214. HAIR TONIC. LYNN SUTTLE, doing business as Silver Crown Remedies, Kingston, N. Y.
Filed July 10, 1934. Serial No. 353,738. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,215. BRAKE LININGS. MULTIBESTOS COMPANY, Walpole, Mass., assignor to Dewey and Almy Chemical Company, Cambridge, Mass.
Filed July 12, 1934. Serial No. 353,814. PUBLISHED SEPTEMBER 11, 1934. Class 35.

319,216. WINES. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y.
Filed July 12, 1934. Serial No. 353,800. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,217. TELEGRAPH KEYS. ALFRED H. EMERY, Poughkeepsie, N. Y.
Filed July 12, 1934. Serial No. 353,797. PUBLISHED SEPTEMBER 11, 1934. Class 21.

319,218. COTTON THREAD. THE AMERICAN THREAD COMPANY, Jersey City, N. J., and New York, N. Y.
Filed July 14, 1934. Serial No. 353,875. PUBLISHED SEPTEMBER 4, 1934. Class 43.

319,219. COFFEE URNS. TRICOLATOR COMPANY, INC., New York, N. Y.
Filed July 12, 1934. Serial No. 353,828. PUBLISHED SEPTEMBER 11, 1934. Class 13.

319,220. HOSIERY. THE PRIMFIT TEXTILE COMPANY, Cincinnati, Ohio.
Filed July 6, 1934. Serial No. 353,579. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,221. A CHEMICAL SUBSTANCE, SODIUM 1,3-DICHAULMOOGRYL-GLYCERO-PHOSPHATE, TO BE USED IN THE TREATMENT OF LEPROSY. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 6, 1934. Serial No. 353,576. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,222. A PREPARATION IN THE NATURE OF A DEODORANT AND DISINFECTANT FOR TREATMENT OF THE FEET. JOHN C. FREELAND, doing business as The Jonfre Co., Danbury, Conn.
Filed July 6, 1934. Serial No. 353,564. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,223. CHENILLE YARNS. VALWAY RUG MILLS, INC., Lagrange, Ga., assignor to Callaway Mills, Lagrange, Ga., a corporation of Georgia.
Filed July 5, 1934. Serial No. 353,550. PUBLISHED AUGUST 28, 1934. Class 43.

319,224. WINES. KENNY-MARA IMPORTERS CORPORATION, New York, N. Y.
Filed May 19, 1934. Serial No. 351,572. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,225. PORT WINES. REAL COMPANHIA VINICOLA DO NORTE DE PORTUGAL, INC., New York, N. Y.
Filed May 18, 1934. Serial No. 351,524. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,226. CHILDREN'S WEARING APPAREL TO-WIT: SUITS, DRESSES, BATHING SUITS, SWEATERS, HOSIERY, AND SHOES MADE OF LEATHER OR RUBBER OR FABRIC OR OF COMBINATIONS OF SUCH MATERIALS. RAPHAEL WEILL & COMPANY, San Francisco, Calif.
Filed May 19, 1934. Serial No. 351,592. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,227. BOARD GAMES AND PUZZLES PLAYED IN ASSEMBLING PIECES AND PICTURE PUZZLES COMPRISING ASSEMBLY OF VARIED DESIGNS AND SHAPES AND FOR NOVELTY GAMES COMPRISING FELT PIECES FOR ASSEMBLING TO FORM PICTURES, PUZZLES, WORDS, AND OBJECTS. POSTER PRODUCTS INC., Chicago, Ill.
Filed May 19, 1934. Serial No. 351,578. PUBLISHED AUGUST 28, 1934. Class 22.

319,228. SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMBINATION OF ANY TWO OR MORE OF SAID MATERIALS. LONDON CHARACTER SHOES, INC., New York, N. Y.
Filed May 19, 1934. Serial No. 351,575. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,229. CHEESE. MAX LANDAU, doing business as Max Landau & Co., New York, N. Y.
Filed May 23, 1934. Serial No. 351,741. PUBLISHED AUGUST 21, 1934. Class 46.

319,230. UNBLEACHED, BLEACHED, DYED, AND COLORED COTTON DUCKS AND DRILLS, AWNING STRIPE AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATION OF COTTON AND LINEN IN THE PIECE. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y.
Filed May 22, 1934. Serial No. 351,683. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,231. WINES. C. TORNELLO, doing business as C. Tornello & Co., Youngstown, Ohio.
Filed May 21, 1934. Serial No. 351,665. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,232. PHARMACEUTICAL SPECIALTY "BISMOTERRAN", AN ABSORBENT OF THE FERMENTATION PRODUCTS OF THE INTESTINES REDUCING THE EXCESSIVE HYDROCHLORIC ACID OF THE GASTRIC JUICE. REMEDIUM CHEMISCHES INSTITUT G. M. B. H., Berlin-Tempelhof, Germany.
Filed May 26, 1934. Serial No. 351,937. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,233. ALES, BEERS, LAGERS, PORTERS, STOUTS, AND OTHER MALT LIQUORS OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. BREWING CORPORATION OF CANADA, LIMITED, Toronto, Ontario, Canada.
Filed May 25, 1934. Serial No. 351,843. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,234. BOYS' COTTON WASH SUITS AND GIRLS' COTTON WASH DRESSES. FRIEDBERGER-AARON MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 24, 1934. Serial No. 351,805. PUBLISHED SEPTEMBER 4, 1934. Class 39.

319,235. ICED CONFECTIONS CONSISTING OF FRESH FROZEN FRUIT IN ITS NATURAL STATE ENCASED IN AN EDIBLE COATING. SNO-KO PRODUCTS CO., San Francisco, Calif.
Filed April 17, 1933. Serial No. 336,888. PUBLISHED AUGUST 28, 1934. Class 46.

319,236. A COLLOIDAL SILVER COMPOUND USED IN THE TREATMENT OF GONORRHEA, CYSTITIS, AND URETHRITIS. DR. R. & DR. O. WEIL, Frankfort-on-the-Main, Germany.
Filed January 16, 1933. Serial No. 333,986. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,237. KNITTING YARNS. PORTER (PHILADELPHIA) INC., Philadelphia, Pa.
Filed May 28, 1934. Serial No. 351,997. PUBLISHED SEPTEMBER 11, 1934. Class 43.

319,238. ASTRINGENTS, ASTRINGENT CERATES, BLEACH AND BEAUTY CREAMS, ETC. BOURJOIS INC., New York, N. Y.
Filed June 3, 1933. Serial No. 338,480. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,239. MARTIN FUR NECK PIECES. JOSEPH J. SCHWARTZ, INC., New York, N. Y.
Filed May 22, 1933. Serial No. 338,114. PUBLISHED AUGUST 28, 1934. Class 89.

319,240. FABRICS MADE OF OILED SILK, AND GOODS MADE OF THE SAID MATERIAL TO ACT AS WATER PROOF PROTECTION—NAMELY, SHEETS AND MATTRESS COVERS. J. W. GEIGER, INC., New York, N. Y.
Filed May 20, 1933. Serial No. 338,040. PUBLISHED JULY 11, 1933. Class 50.

319,241. ALES, BEERS, LAGERS, PORTERS, STOUTS, AND OTHER MALT LIQUORS OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. BREWING CORPORATION OF CANADA, LIMITED, Toronto, Ontario, Canada.
Filed May 25, 1934. Serial No. 351,842. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,242. COTTON, LINEN, AND WOOLEN PIECE GOODS. DAVID SCHWARTZ COMPANY, INC., New York, N. Y., assignor to Koninklijke Weefgoederenfabriek voorheen C. T. Stork & Co., N. V., Hengelo, Netherlands.
Filed June 21, 1933. Serial No. 339,083. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,243. BEVERAGE COOLERS. THE BISHOP & BABCOCK MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 10, 1933. Serial No. 338,717. PUBLISHED SEPTEMBER 11, 1934. Class 31.

319,244. WHISKEY. J. SIMON & SONS, INC., St. Louis, Mo.
Filed June 25, 1934. Serial No. 353,153. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,245. OVERALLS, WORK PANTS, PLAY SUITS, JUMPERS, ONE-PIECE WORK GARMENTS. GROSS GALESBURG COMPANY, Galesburg, Ill.
Filed March 13, 1934. Serial No. 348,545. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,246. SILK FABRICS IN THE PIECE. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y.
Filed June 23, 1934. Serial No. 353,075. PUBLISHED AUGUST 28, 1934. Class 42.

319,247. PALATABLE LIQUID FOR TREATMENT OF SECONDARY ANEMIA CHLOROSIS, ANOREXIA, AND GENERAL DEBILITY. F. W. CHEBROW & CO., Chicago, Ill.
Filed June 25, 1934. Serial No. 353,121. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,248. A TONIC TO BE TAKEN INTERNALLY FOR THE RELIEF OF NERVOUS FATIGUE RESULTING FROM PROLONGED USE OF MIND AND BODY, FOR LOSS OF APPETITE FOR NEURASTHENIA, AND NERVOUS DEBILITY IN OLD AGE AND CONVALESCENCE. SUN RAY DRUG COMPANY, doing business as Drake Laboratories, Philadelphia, Pa.
Filed June 20, 1934. Serial No. 352,935. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,249. STOMACH BITTERS MADE OF PURE ALPINE HERBS. AUGUST F. DENNLER S. A., Interlaken, Switzerland.
Filed June 4, 1934. Serial No. 352,227. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,250. HYGIENIC VAGINAL JELLIES. FREDERICK A. CROSSETT, doing business as Mansett Laboratories, Chicago, Ill.
Filed March 10, 1934. Serial No. 348,421. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,251. MEDICINAL DENTIFRICES AND TOOTH PREPARATIONS OF A SIMILAR CHARACTER. SOCIÉTÉ ANONYME LA BIOTHÉRAPIE (SOCIÉTÉ ANONYME DE PRODUITS CHIMIQUES, BIOLOGIQUES, ET D'HYGIÈNE), Paris, France.
Filed June 19, 1934. Serial No. 352,878. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,252. HEMORRHOID OINTMENTS. GEORGE ZOGRAPHOS, Rieth, Oreg.
Filed June 19, 1934. Serial No. 352,884. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,253. DRESS, NEGLIGEE, AND WORK SHIRTS. F. JACOBSON & SONS, New York, N. Y.
Filed June 20, 1934. Serial No. 352,906. PUBLISHED AUGUST 21, 1934. Class 39.

319,254. CERTAIN ARTICLES OF CLOTHING—NAMELY, SUSPENDERS, GARTERS, ARM BANDS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS. THE OHIO TEXTILE PRODUCTS CO., Mansfield, Ohio.
Filed June 27, 1934. Serial No. 353,228. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,255. TONIC AND LAXATIVE, A PREPARATION FOR THE RELIEF OF INDIGESTION, AND A SALVE FOR THE TREATMENT OF SORES, CUTS, BURNS, BRUISES, AND THE LIKE. THE 6-11 COMPANY, Atlanta, Ga.
Filed June 27, 1934. Serial No. 353,242. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,256. EASTER EGG COLORS. PAAS DYE COMPANY, Newark, N. J.
Filed June 28, 1934. Serial No. 353,294. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,257. ELECTRIC HAIR DRYERS. CENTRAL WEST PRODUCTS COMPANY, Dayton, Ohio.
Filed June 27, 1934. Serial No. 353,207. PUBLISHED SEPTEMBER 18, 1934. Class 44.

319,258. ABSORBENT CHEESECLOTH PUT UP IN SANITARY CONTAINERS. CHICOPEE MANUFACTURING CORPORATION, Chicopee Falls, Mass.
Filed June 27, 1934. Serial No. 353,211. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,259. INCENSE, EITHER LIQUID, SOLID, OR POWDERED FORM; FACE POWDER, TALCUM POWDER, ROUGE, LIP STICK, PERFUME, TOILET WATER, FACE CREAM, COLD CREAM, VANISHING CREAM, DEODORANTS, ANTIPERSPIRANT, EYEBROW PASTE, ASTRINGENT, FOUNDATION CREAM, CLEANSING CREAM, HAND CREAM, SKIN WHITENER, AND BRILLIANTINE. SATISH C. GHOSE, doing business as India Incense Company, Chicago, Ill.
Filed June 27, 1934. Serial No. 353,214. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,260. WHISKEY. J. SIMON & SONS, INC., St. Louis, Mo.
Filed June 25, 1934. Serial No. 353,156. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,261. TABLETS FOR THE RELIEF OF HEADACHE, NEURALGIA, AND MUSCULAR ACHES AND PAINS. ELWOOD T. CRITTENDEN, doing business as Crittenden & Co., Long Beach, Calif.
Filed June 26, 1934. Serial No. 353,169. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,262. BEER. TIVOLI BREWING COMPANY, Detroit, Mich.
Filed June 26, 1934. Serial No. 353,188. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,263. EXTERNAL LINIMENT. JOHN H. GRUBB, Decatur, Ill.
Filed June 25, 1934. Serial No. 353,130. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,264. CLEANSING CREAM, IMPORTED PINE NEEDLE BATH OIL, FACIAL PACK, ASTRINGENT LOTION FOR THE FACE AND HANDS, LIQUID CLEANSER, TISSUE CREAM, SKIN TONIC AND FRESHENER, CLARIFYING CREAM FOR THE SKIN, SKIN STIMULATING CREAM, BEAUTIFYING HAND CREAM. M. A. SHERMAN, doing business as Marie Arnold, Los Angeles, Calif.
Filed June 25, 1934. Serial No. 353,151. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,265. MALT SYRUP ADAPTED FOR USE AS AN INGREDIENT IN MAKING BREAD AND IN MAKING OTHER BAKERY PRODUCTS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed June 28, 1934. Serial No. 353,304. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,266. MALT SYRUP ADAPTED FOR USE AS AN INGREDIENT IN MAKING BREAD AND IN MAKING OTHER BAKERY PRODUCTS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed June 28, 1934. Serial No. 353,305. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,267. PREPARED ALCOHOLIC HIGH-BALLS. THE TOM COLLINS CORPORATION, Cincinnati, Ohio.
Filed July 2, 1934. Serial No. 353,430. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,268. HUMAN NASAL SPRAYS. EDWARD I. GREEN, Philadelphia, Pa.
Filed July 2, 1934. Serial No. 353,433. PUBLISHED SEPTEMBER 18, 1934. Class 44.

319,269. CHEMICAL PRODUCTS, THE PURPOSE OF WHICH IS TO IMPROVE THE WETTING AND DISPERSING OF DRY PIGMENTS USED IN LATEX COMPOUNDING AND TO STABILIZE LATEX COMPOSITIONS AGAINST PREMATURE COAGULATION, RESULTING FROM MECHANICAL HANDLING. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1934. Serial No. 353,383. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,270. VARIOUS GRADES OF SUCH ACIDS AS ACETIC, ARSENIC, CHROMIC, ETC. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed June 30, 1934. Serial No. 353,393. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,271. MEDICINAL PREPARATION FOR THE TREATMENT OF ATHLETE'S-FOOT AND OTHER SKIN INFECTIONS. HERBERT E. MOREY, doing business as The Morey Company, Los Angeles, Calif.
Filed June 30, 1934. Serial No. 353,402. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,272. WOMEN'S, MISSES', AND CHILDREN'S BLOUSES, OUTER SHORTS, AND SKIRTS. IRVING KEMP, INC., New York, N. Y.
Filed June 29, 1934. Serial No. 353,334. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,273. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT. ANDREW FRANCIS SMARZ, doing business as Smarz Products, Yonkers, N. Y.
Filed June 29, 1934. Serial No. 353,357. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,274. WINE. CONSOLIDATED WINE & SPIRIT CORP., Los Angeles, Calif.
Filed June 30, 1934. Serial No. 353,380. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,275. COLLARS. MARTINUS VAN GELDER, doing business as The V. G. Collar Company, Philadelphia, Pa.
Filed June 28, 1934. Serial No. 353,307. PUBLISHED AUGUST 28, 1934. Class 39.

319,276. CHILDREN'S DRESSES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 29, 1934. Serial No. 353,328. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,277. CHILDREN'S DRESSES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 29, 1934. Serial No. 353,329. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,278. CORSETS, CORSELETTES, BRASSIÈRES, GIRDLES, UNDERDRAWERS, BANDEAUS, PANTIES, ENVELOPE CHEMISES, VESTS, BLOOMERS, PETTICOATS, SLIPS, AND GARTER BELTS. DOROTHY BICKUM, New York, N. Y.
Filed June 2, 1934. Serial No. 352,154. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,279. PORT WINE. MORGADO & SILVA, Villa Nova de Gaya, Portugal.
Filed May 8, 1934. Serial No. 351,076. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,280. EGGS. SAMUEL MEIERFELD, New York, N. Y.
Filed May 17, 1934. Serial No. 351,473. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,281. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, ETC. WILLIAM SHERMAN CANNON, Jr., doing business as Cannon Cosmetics Company, Atlanta, Ga.
Filed July 5, 1934. Serial No. 353,541. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,282. BEDSTEADS, COTS, CRIBS, COUCHES, COSTUMERS, DRESSERS, DESKS, WRITING TABLES, NIGHT TABLES, GRIP STANDS, BEDROOM CHAIRS, ARMCHAIRS, ROCKERS, CHIFFOROBES, CHIFFORETTES, CHIFFONIERS, BUREAUS, VANITY DRESSERS, DRESSING TABLES, WARDROBES, AND VANITY BENCHES, ALL MADE OF METAL. SIMMONS COMPANY, New York, N. Y.
Filed July 5, 1934. Serial No. 353,544. PUBLISHED SEPTEMBER 11, 1934. Class 32.

319,283. WHISKEY, RUM, GIN, BRANDY, AND ALCOHOLIC CORDIALS. FRANKLIN STORES CO., Newark, N. J.
Filed May 31, 1934. Serial No. 352,076. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,284. A POULTRY TONIC ESPECIALLY HELPFUL AS AN EGG AND HEALTH PRODUCER. W. R. ALSUP, doing business as Raw-War Manufacturing Company, Gladeville, Tenn.
Filed July 5, 1934. Serial No. 353,497. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,285. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. EMANUEL JOSEPH, Chicago, Ill.
Filed July 5, 1934. Serial No. 353,515. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,286. HOSIERY. ROLLINS HOSIERY MILLS, INC., Des Moines, Iowa.
Filed July 5, 1934. Serial No. 353,540. PUBLISHED AUGUST 28, 1934. Class 39.

319,287. WHISKEY. JULIUS A. TACKE, Carroll, Iowa.
Filed July 2, 1934. Serial No. 353,457. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,288. PUDDING DESSERT POWDER. H. C. BRILL CO., INC., Newark, N. J.
Filed July 3, 1934. Serial No. 353,464. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,289. LININGS. FOLKARD & LAWRENCE, INC., New York, N. Y.
Filed July 3, 1934. Serial No. 353,472. PUBLISHED SEPTEMBER 18, 1934. Class 42.

319,290. WINES. SUPERIOR LABORATORIES, Los Angeles, Calif.
Filed June 30, 1934. Serial No. 353,416. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,291. MEATS—NAMELY, BACON, SLICED BACON, HAMS, SMOKED BUTTS, CANADIAN BACON, HEAD CHEESE, TENDERETTES, CALLIES, BOLOGNA, SAUSAGE, FRANKFURTERS, TONGUES, LIVERWURST. CITY PROVISION CO., INC., New York, N. Y.
Filed December 2, 1933. Serial No. 344,393. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,292. FRESH GRAPES, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES. BEN B. KRASNOW, Sacramento, Calif.
Filed June 30, 1933. Serial No. 339,401. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,293. LOTIONS FOR THE SKIN. CAMPANA CORPORATION, Batavia, Ill.
Filed July 3, 1933. Serial No. 339,450. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,294. RAYON YARN. BARNHARDT BROTHERS, Charlotte, N. C.
Filed December 26, 1933. Serial No. 345,324. PUBLISHED SEPTEMBER 4, 1934. Class 43.

319,295. COMPOSITION FOR SEALING MOTOR VALVES, PISTONS, AND FOR FILLING IN SCORES IN CYLINDER WALLS AND PISTONS AND THUS STOPPING OIL LEAKS AND COMPRESSION LEAKAGE BY THE PISTONS IN THE MOTOR SO TREATED. INTERNATIONAL VERMICULITE COMPANY, Chicago, Ill.
Filed December 14, 1933. Serial No. 344,936. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,296. APPLESAUCE, BAKING POWDER, FLOUR, ETC. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed December 8, 1933. Serial No. 344,631. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,297. WINES. SINDICATO AGRICOLA ALELLA VINICOLA COOPERATIVA DE PRODUCCION Y VENTA, Alella, Spain.
Filed January 9, 1934. Serial No. 345,840. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,298. TOMATO PASTE. UDDO TAORMINA CORPORATION, doing business as La Sierra Heights Canning Co., Los Angeles, Calif.
Filed January 2, 1934. Serial No. 345,573. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,299. MALT BEVERAGE OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. NORTHAMPTON BREWERY CORPORATION, Dover, Del., and Northampton Pa., assignor to Northampton Brewery Corporation, a corporation of Pennsylvania.
Filed December 29, 1933. Serial No. 345,488. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,300. PEROXIDE VANISHING CREAM, CLEANSING CREAM, COLD CREAM, ETC. PLOUGH, INC., Memphis, Tenn.
Filed November 20, 1933. Serial No. 343,872. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,301. WHISKY. THE FERDINAND WESTHEIMER SONS COMPANY, Cincinnati, Ohio.
Filed November 4, 1933. Serial No. 343,244. PUBLISHED JANUARY 23, 1934. Class 49.

319,302. SPECIFIC MEDICINES, PREPARATIONS FOR HYPODERMIC USE, COMPOUND POWDERS, ETC. LLOYD BROTHERS, PHARMACISTS INC., Cincinnati, Ohio.
Filed November 10, 1933. Serial No. 343,513. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,303. WHISKIES AND OTHER POTABLE DISTILLED ALCOHOLIC LIQUORS. UNITED DISTILLERS & WINERS, INC., Detroit, Mich.
Filed November 15, 1933. Serial No. 343,718. PUBLISHED JANUARY 16, 1934. Class 49.

319,304. MEDICINAL AND PHARMACEUTICAL ELIXIRS, SYRUPS, ETC. JOHN WYETH AND BROTHER INCORPORATED, Philadelphia, Pa.
Filed October 9, 1933. Serial No. 342,301. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,305. WHISKY. THE FERDINAND WESTHEIMER SONS COMPANY, Cincinnati, Ohio.
Filed October 16, 1933. Serial No. 342,559. PUBLISHED DECEMBER 12, 1933. Class 49.

319,306. VAPORIZING SALVE USED IN TREATMENT OF COLDS, COUGHS, AND SUPERFICIAL CONGESTION. GEORGE SYLVESTER WILLARD, Greenville, N. C., assignor to Flurene Chemicals, Ltd., Washington, N. C.
Filed December 24, 1933. Serial No. 342,859. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,307. PREPARATION FOR TREATING AND WATERPROOFING TEXTILE FABRICS SUCH AS COTTON, SILK, WOOL, RAYON, VELOUR, VELVET, MOHAIR, AND ALSO LEATHER. MAX IMHOFF, Clifton, N. J.
Filed July 13, 1933. Serial No. 339,724. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,308. OVERALLS, JUMPERS, PANTS, PLAY SUITS, AND MEN'S AND BOYS' COATS. PATTERSON MANUFACTURING COMPANY, Denison, Tex.
Filed August 12, 1933. Serial No. 340,656. PUBLISHED AUGUST 28, 1934. Class 39.

319,309. MEN'S, WOMEN'S, AND CHILDREN'S OUTER COATS. GERMANIA MILLS, Holyoke, Mass., assignor to Germania Fashions, Inc., New York, N. Y.
Filed September 2, 1933. Serial No. 341,284. PUBLISHED AUGUST 28, 1934. Class 39.

319,310. WHISKY. THE FERDINAND WESTHEIMER SONS CO., Cincinnati, Ohio.
Filed September 30, 1933. Serial No. 342,054. PUBLISHED DECEMBER 26, 1933. Class 49.

319,311. MEDICATED TABLETS, POWDERS, AND LIQUID PREPARATIONS FOR INTERNAL HUMAN USE FOR THE TREATMENT OF INFLUENZA AND NERVOUS AILMENTS. PHENSIC LIMITED, Manchester, England.
Filed April 20, 1934. Serial No. 350,260. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,312. DIAPERS. CHARLES L. FANCHER, Cleveland, Ohio.
Filed April 30, 1934. Serial No. 350,687. PUBLISHED AUGUST 28, 1934. Class 42.

319,313. COSMETIC PREPARATION FOR USE ON EYEBROWS. WILLIAM BOWER, doing business as Ardon Co., New York, N. Y.
Filed May 1, 1934. Serial No. 350,748. PUBLISHED JUNE 26, 1934. Class 6.

319,314. BEER. BUDDIES' BEER, Detroit, Mich.
Filed May 7, 1934. Serial No. 351,010. PUBLISHED SEPTEMBER 11, 1934. Class 48.

319,315. CHEWING GUM. NATIONAL SYNDICATES, INC., South Bend, Ind.
Filed June 18, 1934. Serial No. 352,831. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,316. WOMEN'S, MISSES', CHILDREN'S, AND INFANTS' COATS. FRANK BAUM, INC., New York, N. Y.
Filed June 19, 1934. Serial No. 352,847. PUBLISHED AUGUST 28, 1934. Class 39.

319,317. SKIN OINTMENTS FOR THE TREATMENT AND RELIEF OF PAIN IN CASES OF BOILS, PIMPLES, CRACKED AND ITCHING SKIN, SUN BURN, AND RELATED SKIN IRRITATIONS AND DISORDERS. SAMUEL FRIEDLANDER, doing business as S. Friedlander Co., Los Angeles, Calif.
Filed June 19, 1934. Serial No. 352,856. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,318. SCARFS AND MUFFLERS. JACOBSON-SON, INC., New York, N. Y.
Filed June 19, 1934. Serial No. 352,858. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,319. MUFFLERS. JACOBSON-SON, INC., New York, N. Y.
Filed June 19, 1934. Serial No. 352,860. PUBLISHED AUGUST 21, 1934. Class 39.

319,320. SCALP OR HEAD RUBBING LOTION. PHIL. EISEMANN, Lancaster, Pa.
Filed June 4, 1934. Serial No. 352,234. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,321. COGNAC. FLORIDO & CO., Sanlucar de Barrameda, Spain.
Filed June 6, 1934. Serial No. 352,316. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,322. SOLVENT AND CLEANER, AND RECOMMENDED PARTICULARLY FOR USE IN CLEANING APPARATUS FOR LIQUID CONDUITS, ESPECIALLY BEER PIPES. SCHERING CORPORATION, Bloomfield, N. J., assignor to Sarona, Inc., Bloomfield, N. J., a corporation of New Jersey.
Filed June 7, 1934. Serial No. 352,401. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,323. YARNS AND THREADS FOR NEEDLEWORK. A. & H. SHILLMAN COMPANY, INC., Baltimore, Md.
Filed June 7, 1934. Serial No. 352,404. PUBLISHED SEPTEMBER 11, 1934. Class 43.

319,324. JUNIOR MISSES' AND MISSES' SPORTWEAR—NAMELY, SHORTS, SKIRTS, AND OUTER SHIRTS; AND MEN'S AND BOYS' SPORT ITEMS—NAMELY, GOLF AND SPORT SUITS, SHIRTS, BLOUSES, SHOES OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS THEREOF; HATS, CAPS, AND HOSIERY. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed June 8, 1934. Serial No. 352,433. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,325. CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF. MCCURDY AND COMPANY, INC., Rochester, N. Y.
Filed June 9, 1934. Serial No. 352,496. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,326. MUSICIANS' UNIFORMS—NAMELY, CAPES, CAPS, COATS, AND TROUSERS. JAMES C. HARPER, Lenoir, N. C.
Filed June 11, 1934. Serial No. 352,538. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,327. WHISKEY. J. EDMUND HOGG, Poplar Bluff, Mo.
Filed Jnne 11, 1934. Serial No. 352,540. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,328. COMBINATION FAUCET. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed June 11, 1934. Serial No. 352,539. PUBLISHED SEPTEMBER 11, 1934. Class 13.

319,329. A LINIMENT, A LIQUID PREPARATION FOR EXTERNAL USE IN THE RELIEF OF BODILY BRUISES, PAINS, AND ACHES. THE DOLOR RUB COMPANY, Hackensack, N. J.
Filed June 12, 1934. Serial No. 352,573. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,330. DRESS AND NEGLIGEE SHIRTS AND COLLARS. A. H. IDE & CO., INC., Troy, N. Y.
Filed June 12, 1934. Serial No. 352,580. PUBLISHED AUGUST 28, 1934. Class 39.

319,331. STOMACH BITTERS MADE OF PURE ALPINE HERBS. AUGUST F. DENNLER S. A., Interlaken, Switzerland.
Filed June 4, 1934. Serial No. 352,228. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,332. HOSIERY. HERMAN MANTELL, New York, N. Y.
Filed June 12, 1934. Serial No. 352,589. PUBLISHED AUGUST 21, 1934. Class 39.

319,333. PREPARATION FOR PILES. PILADA REMEDY COMPANY, Omaha, Nebr.
Filed June 12, 1934. Serial No. 352,594. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,334. INSECTICIDES. HAROLD C. HILTS, doing business as Hilts Laboratories, Honolulu, Territory of Hawaii.
Filed June 11, 1934. Serial No. 352,650. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,335. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS AND OVERCOATS. BALTIMORE CLOTHES, INC., Baltimore, Md.
Filed June 14, 1934. Serial No. 352,655. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,336. CORSETS, CORSELETTES, BRASSIERES, GIRDLES, UNDERDRAWERS, BANDEAUS, PANTIES, ENVELOPE CHEMISES, VESTS, BLOOMERS, PETTICOATS, SLIPS, AND GARTER BELTS. DOROTHY BICKUM, New York, N. Y.
Filed June 14, 1934. Serial No. 352,660. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,337. OVERCOATS FOR THE USE OF MEN AND BOYS. SAMUEL BLOOM, Buffalo, N. Y.
Filed June 14, 1934. Serial No. 352,661. PUBLISHED AUGUST 28, 1934. Class 39.

319,338. WOMEN'S WEARING APPAREL—NAMELY, JACKETS, COATS, CAPES, SUITS, SKIRTS, AND WAISTS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed June 14, 1934. Serial No. 352,675. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,339. WOMEN'S DRESSES. KEARNS BROTHERS, INC., Pinckneyville, Ill.
Filed March 22, 1934. Serial No. 348,979. PUBLISHED AUGUST 28, 1934. Class 39.

319,340. HAIR RIBBONS IN CUT LENGTHS AND HAIR BOWS OF RAYON OR SILK OR COMBINATIONS OF RAYON AND SILK. J. ROSEN & SONS, Paterson, N. J., and New York, N. Y.
Filed June 2, 1934. Serial No. 352,198. PUBLISHED SEPTEMBER 11, 1934. Class 40.

319,341. VERMOUTH, ALCOHOLIC BITTERS AND COCKTAILS, APERITIVES, BRANDIES, CORDIALS, AND OTHER LIQUEURS. ALBERTO CONTRATTO, doing business as Giuseppe Contratto, Canelli, Italy.
Filed March 26, 1934. Serial No. 349,124. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,342. CREAM PREPARATION FOR USE AS AN AID IN THE TREATMENT OF ECZEMA. IRVING GRADSTEIN, doing business as American Scientific Laboratories, New York, N. Y.
Filed March 28, 1934. Serial No. 349,305. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,343. WOVEN ANGORA PILE FLOOR RUGS AND MATS IN THE NATURE OF CARPETS. EDWIN FIELD & SONS, LIMITED, Skelmanthorpe, near Huddersfield, England.
Filed March 31, 1934. Serial No. 349,363. PUBLISHED SEPTEMBER 11, 1934. Class 42.

319,344. FILLED AND COATED BISCUITS AND CRACKERS. BATTLE CREEK BISCUIT COMPANY, Battle Creek, Mich.
Filed April 5, 1934. Serial No. 349,557. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,345. HAND SEWING AND HAND ART WORK NEEDLES OF ALL KINDS. NAALDENFABRIEKEN "HOLLANDIA" N. V., Kerkrade, Netherlands.
Filed April 7, 1934. Serial No. 349,683. PUBLISHED SEPTEMBER 11, 1934. Class 40.

319,346. WOOL, WORSTED, ANGORA, COTTON, SILK, RAYON, YARN, AND MIXTURES THEREOF. STEINBERGER BROS. INC., New York, N. Y.
Filed April 7, 1934. Serial No. 349,692. PUBLISHED JUNE 5, 1934. Class 43.

319,347. TEXTILE WETTING AGENT. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.
Filed April 12, 1934. Serial No. 349,896. PUBLISHED JUNE 5, 1934. Class 6.

319,348. SHOE SOLES AND SHOE HEELS. SATURNIA SHOE PRODUCTS CO., Brooklyn, N. Y.
Filed April 16, 1934. Serial No. 350,059. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,349. RYE BREAD. THE RUBEL BAKING COMPANY, Cincinnati, Ohio.
Filed April 17, 1934. Serial No. 350,110. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,350. MEN'S SUITS AND MEN'S AND BOYS' COATS, ROBES, AND PAJAMAS. LORRAINE MANUFACTURING CO., Pawtucket, R. I.
Filed April 20, 1934. Serial No. 350,253. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,351. VITAMIN CONCENTRATE OF A MEDICINAL NATURE FOR ADDITION TO ANIMAL FOODS FOR THE PREVENTION AND TREATMENT OF CERTAIN DEFICIENCY DISEASES IN ANIMALS. EATON M. MACKAY, doing business as Vitamin Animal Foods Co., Los Angeles, Calif.
Filed July 14, 1934. Serial No. 353,899. PUBLISHED SEPTEMBER 11, 1934. Class 6.

319,352. SILK FABRICS IN THE PIECE. ONONDAGA SILK COMPANY, INC., Syracuse, and New York, N. Y.
Filed July 14, 1934. Serial No. 353,900. PUBLISHED SEPTEMBER 4, 1934. Class 42.

319,353. WINES. BOHEMIAN DISTRIBUTING CO., LTD., Los Angeles, Calif.
Filed July 16, 1934. Serial No. 353,911. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,354. GASKETS FOR INTERNAL COMBUSTION ENGINES AND ASSOCIATED PARTS. DETROIT GASKET & MANUFACTURING COMPANY, Detroit, Mich.
Filed July 16, 1934. Serial No. 353,914. PUBLISHED SEPTEMBER 11, 1934. Class 35.

319,355. CURACAO AND ALCOHOLIC CORDIALS. B. B. DORF & COMPANY, INCORPORATED, New York, N. Y.
Filed July 16, 1934. Serial No. 353,915. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,356. ELECTRODES FOR DIATHERMY AND OTHER PHYSIOLOGICAL USE. GENERAL ELECTRIC X-RAY CORPORATION, Chicago, Ill.
Filed July 16, 1934. Serial No. 353,918. PUBLISHED SEPTEMBER 11, 1934. Class 44.

319,357. MEN'S AND BOYS' OVERALLS. GLOBE SUPERIOR CORPORATION, Abingdon, Ill.
Filed July 16, 1934. Serial No. 353,921. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,358. WINES. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England.
Filed July 16, 1934. Serial No. 353,949. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,359. CORSETS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 16, 1934. Serial No. 353,951. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,360. BATHING SUITS AND SWIMMING SUITS AND SWEATERS FOR MEN, WOMEN, AND CHILDREN. WEST COAST-MANCHESTER MILLS, INC., Los Angeles, Calif.
Filed July 16, 1934. Serial No. 353,963. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,361. PRECIOUS, SEMIPRECIOUS, AND ARTIFICIAL GEMS AND STONES AND JEWELRY FOR PERSONAL WEAR CONTAINING SUCH GEMS AND STONES, NOT INCLUDING WATCHES. BARKER & BARKER, INC., Providence, R. I.
Filed July 17, 1934. Serial No. 353,975. PUBLISHED SEPTEMBER 11, 1934. Class 28.

319,362. RUM. KIENZLER COMPANY, INC., New York, N. Y.
Filed July 17, 1934. Serial No. 353,989. PUBLISHED SEPTEMBER 18, 1934. Class 49.

319,363. POWER CHAINS AND CHAIN LINKS. LINK-BELT COMPANY, Chicago, Ill.
Filed June 22, 1934. Serial No. 353,023. PUBLISHED SEPTEMBER 11, 1934. Class 18.

319,364. FRESH CITRUS FRUITS. PICO CITRUS ASSOCIATION, Pico, Calif.
Filed June 22, 1934. Serial No. 353,035. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,365. MEDICINE FOR THE TREATMENT OF LIVER AND CONSTIPATION. JOHN LANG, doing business as The Jola Co., Wauwatosa, Wis.
Filed June 22, 1934. Serial No. 353,036. PUBLISHED SEPTEMBER 4, 1934. Class 6.

319,366. BELT BUCKLES, BRACELETS, BROOCHES, ETC. SPORTSCRAFT COMPANY, New York, N. Y.
Filed June 22, 1934. Serial No. 353,043. PUBLISHED SEPTEMBER 11, 1934. Class 28.

319,367. YARNS MADE OF COTTON, WOOL, SILK, RAYON, AND MIXTURES THEREOF. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed June 15, 1934. Serial No. 352,764. PUBLISHED SEPTEMBER 4, 1934. Class 43.

319,368. WHISKEYS. COFFIN-REDINGTON COMPANY, doing business as Fremont Distributing Company, San Francisco, Calif.
Filed June 16, 1934. Serial No. 352,768. PUBLISHED SEPTEMBER 18, 1934. Class 40.

319,369. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, AND TOPCOATS. MAX A. WINICK, New York, N. Y.
Filed June 14, 1934. Serial No. 352,770. PUBLISHED SEPTEMBER 11, 1934. Class 39.

319,370. WINES. WALTER R. WRIGHT, doing business as Wine Trading Company, Los Angeles, Calif.
Filed July 31, 1934. Serial No. 354,492. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,371. WINES. WALTER R. WRIGHT, doing business as Wine Trading Company, Los Angeles, Calif.
Filed July 31, 1934. Serial No. 354,489. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,372. WINES. WALTER R. WAIGHT, doing business as Wine Trading Company, Los Angeles, Calif.
Filed July 31, 1934. Serial No. 354,491. PUBLISHED SEPTEMBER 11, 1934. Class 47.

319,373. WINES. WALTER R. WAIGHT, doing business as Wine Trading Company, Los Angeles, Calif.
Filed July 31, 1934. Serial No. 354,490. PUBLISHED SEPTEMBER 11, 1934. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

319,374. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RAYMOND HEALY, New York, N. Y. Filed July 28, 1933. Serial No. 340,193.

SOAP CONTROL

For Spraying Nozzles and Parts Thereof.
Claims use since July 14, 1933.

319,375. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MORRIS MINDLIN, doing business as Empire Trading & Mfg. Co., New York, N. Y. Filed June 5, 1933. Serial No. 338,531.

DOUBLE EDGE
NORWAY
GOLD BLADES

For Safety Razor Blades.
Claims use since May 1, 1933.

319,376. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Sept. 16, 1933. Serial No. 341,630.

BEAUREGARD

For Paper Adapted for Printing Purposes.
Claims use since Aug. 31, 1933.

319,377. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOHN THOMPSON LOVETT, Jr., doing business as Economy Nursery Company, Little Silver, N. J. Filed Sept. 6, 1933. Serial No. 341,371.

TIFFANY BRAND

For Rose Bushes, Shrubs, Vines, Trees, Berry Bushes, Plants, Bulbs of Plants, and Field, Garden, and Vegetable Seeds.
Claims use since Aug. 10, 1933.

319,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. D. BODLE COMPANY, doing business as Valley Fruit Canning Company, Seattle, Wash. Filed Nov. 22, 1933. Serial No. 343,945.

HYAK

For Fresh, Frozen, and Canned Fruits and Berries, Fruit Preserves, and Jellies.
Claims use since Aug. 1, 1933.

319,379. (CLASS 39. CLOTHING.) THE BEELAND SHOE STORES, INC., St. Louis, Mo. Filed Nov. 11, 1933. Serial No. 343,544.

StyleWorth

For Wearing Apparel for Ladies and Misses—Namely, Hosiery, and Shoes, Slippers, Pumps, and Low Quarters of Leather, Fabric, and Combinations Thereof.
Claims use since Mar. 1, 1933.

319,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YOCK BROTHERS, Clara City, Minn. Filed Oct. 16, 1933. Serial No. 342,561.

Yock's

KoKo-Wheat

For Breakfast Cereal Food.
Claims use since December, 1932.

319,381. (CLASS 39. CLOTHING.) HERMAN GOODMAN, doing business as Goodman Specialty Co., Los Angeles, Calif. Filed Feb. 7, 1934. Serial No. 347,067.

Healthwear

For Men's, Women's, and Children's Underwear, Hosiery, Sweaters, Pajamas, and Nightwear, Cotton Outerwear Garments—Namely, Suede Jackets, Melton Jackets, Sweater Coats, Cotton Fleece Coats, and Sweater Sets; Cotton Sports Wear—Namely, Knitted Sweat Shirts, Knitted Polo Shirts, and Knitted Pull-Over Sweaters and Sweat Shirts.
Claims use since Sept. 5, 1933.

319,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. LISNER & CO., New York, N. Y. Filed Jan. 23, 1934. Serial No. 346,419.

PARFUMS
WEIL
PARIS

For Perfumes, Face Powder, Talcum Powder, Cosmetic Skin Creams, Bath Salts, Face Lotions, Brilliantines, Lip-Stick, Rouge, Toilet Water.
Claims use since June, 1933.

319,383. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LINDSAY WIRE WEAVING COMPANY, Cleveland, Ohio. Filed Jan. 15, 1934. Serial No. 346,067.

SURFACED

For Woven Wire Belts for Paper Making Machinery.
Claims use since August, 1933.

319,384. (CLASS 39. CLOTHING.) HAT CORPORATION OF AMERICA, South Norwalk, Conn. Filed June 28, 1934. Serial No. 353,271.

NEW YORK'S LEADING HATTERS

For Wearing Apparel for Men, as follows: Hats, Caps, Coats, and Neckties, and Wearing Apparel for Women as follows: Hats, Coats, and Suits.
Claims use since 1922.

319,385. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Apr. 16, 1934. Serial No. 350,061.

CUSTOM FABRIC

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths and Boys.
Claims use since September, 1932.

319,386. (CLASS 39. CLOTHING.) HOWARD HOSIERY COMPANY, Sinking Spring, Pa. Filed Mar. 21, 1934. Serial No. 348,917.

NONSNAG

For Stockings.
Claims use since Sept. 12, 1933.

319,387. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 6, 1934. Serial No. 354,708.

Lace-form

For Corsets.
Claims use since June 26, 1933.

319,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALPH RAULLI, doing business as Sunland Biscuit Co., also as Sunland Macaroni Co., Los Angeles, Calif. Filed Aug. 3, 1934. Serial No. 354,646.

San Diego

For Alimentary Pastes, Macaroni Products—Namely, Egg Noodles, Salad Macaroni, Semolina Macaroni, Semolina Spaghetti, Semolina Coiled Vermicelli, Semolina Elbow Macaroni.
Claims use since June 11, 1933.

319,389. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STERLING CABLE CORPORATION, Port Huron, Mich. Filed June 29, 1934. Serial No. 353,361.

"SILVER SHEATHED"

For Ignition Cables, Ignition Wires and Ignition Connections.
Claims use since March, 1931.

319,390. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AMERICA DRY CORPORATION, New York, N. Y. Filed Sept. 29, 1934. Serial No. 356,571.

AMERICA DRY

For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Potable Natural Water Including Ginger Ale.
Claims use since January, 1924.

319,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA ROSEN, Brooklyn, N. Y. Filed Sept. 21, 1934. Serial No. 356,272.

Ann Morris
chocolates

For Candy and Chocolates.
Claims use since Dec. 5, 1932.

319,392. (CLASS 39. CLOTHING.) LAUREL HOSIERY COMPANY, INC., Reading, Pa. Filed Sept. 8, 1934. Serial No. 355,846.

Not-a-Ring

For Ladies' Full Fashioned Silk Hosiery.
Claims use since Aug. 3, 1933.

319,393. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GENERAL PAINT & VARNISH CO., Chicago, Ill. Filed Oct. 4, 1934. Serial No. 356,766.

COAT-WELL

For Ready Mixed Paint, Varnishes, Stains and Paint Enamels.
Claims use since January, 1928.

319,394. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 2, 1934. Serial No. 349,443.

LOMBARD

For Textile Rugs.
Claims use since Dec. 19, 1932.

319,395. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MINUTE SAFETY RAZOR CORPORATION, Newark, N. J. Filed Nov. 9, 1933. Serial No. 343,466.

Denton

For Safety Razors and Safety Razor Blades.
Claims use since Oct. 16, 1933.

319,396. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y. Filed Oct. 4, 1933. Serial No. 342,134.

Poona

For Silk Fabrics in the Piece.
Claims use since Sept. 7, 1933.

319,397. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TELLING BELLE VERNON COMPANY, Cleveland, Ohio. Filed Nov. 15, 1933. Serial No. 343,712.

BELLE VERNON

For Evaporated Milk and Butter.
Claims use since Jan. 15, 1919.

319,398. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ROBERT MCNISH & CO., LTD., Glasgow, Scotland. Filed Mar. 21, 1934. Serial No. 348,921.

McNISH'S

For Scotch Whisky.
Claims use since June 14, 1910.

319,399. (CLASS 33. GLASSWARE.) THE LIBBEY GLASS MANUFACTURING COMPANY, Toledo, Ohio. Filed Nov. 3, 1933. Serial No. 343,216.

Libbey
Safedge

For Drinking Glasses, Bowls, Goblets, Sherbet Glasses, Wineglasses, Tumblers Having Beaded Edges.
Claims use since Sept. 1, 1933.

319,400. (CLASS 33. GLASSWARE.) THE LIBBEY GLASS MANUFACTURING COMPANY, Toledo, Ohio. Filed Nov. 3, 1933. Serial No. 343,215.

Libbey
CRYSTAL

For Drinking Glasses, Bowls, Goblets, Sherbet Glasses, Wineglasses, Tumblers.
Claims use since June 1, 1933.

319,401. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Nov. 22, 1933. Serial No. 348,987.

SOAP-TABS

For Toilet Soap Tablets.
Claims use since June 26, 1933.

319,402. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TINTZ SHAMPOO COMPANY, Chicago, Ill. Filed Oct. 12, 1933. Serial No. 342,414.

TINTZ

For Shampoo.
Claims use since Sept. 5, 1933.

319,403. (CLASS 47. WINES.) ETABLISSEMENTS E. BIGEON INC., New York, N. Y. Filed Oct. 21, 1933. Serial No. 342,747.

MEDAILLE D'OR

For Wines.
Claims use since Sept. 28, 1933.

319,404. (CLASS 47. WINES.) PIERRE-BONARD, INC., New York, N. Y. Filed Dec. 8, 1933. Serial No. 344,674.

Pierre-Bonard

For Wines.
Claims use since September, 1933.

319,405. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 18, 1934. Serial No. 350,160.

WEMBLEY

For Textile Rugs.
Claims use since Oct. 4, 1933.

319,406. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 16, 1934. Serial No. 351,432.

FENIMORE

For Textile Rugs.
Claims use since Oct. 7, 1933.

319,407. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CARLISLE TIRE & RUBBER CO., Carlisle, Pa. Filed June 23, 1934. Serial No. 353,000.

WIZARD

For Inner Tubes for Tires.
Claims use since Sept. 20, 1924.

319,408. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MILLER SOAP PRODUCTS, INC., Los Angeles, Calif. Filed June 30, 1934. Serial No. 353,400.

GOLD MEDAL

For Powdered Soap for Household and Laundry Use.
Claims use since Apr. 1, 1931.

319,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN D. MARTIN, Woodlake, Calif. Filed July 31, 1934. Serial No. 354,468.

AIR-COOLED

For Grapes.
Claims use since Aug. 1, 1932.

319,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COFFEE REFINING CO., San Diego, Calif. Filed Aug. 3, 1934. Serial No. 354,600.

Quick
COFFEE

For Coffee.
Claims use since July 28, 1932.

319,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS BROS. MILLING CO., Portland, Oreg., and San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash. Filed July 26, 1934. Serial No. 354,337.

PROVEN

For Poultry Food.
Claims use since Jan. 1, 1929.

319,412. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ENGEL & SACKIN, New York, N. Y. Filed Sept. 15, 1934. Serial No. 356,072.

Veribest

For Handkerchiefs.
Claims use since Mar. 1, 1933.

319,413. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FREDERICK T. WALSH, doing business as Thomas Leyland Machinery Company, Readville, Mass. Filed Sept. 20, 1934. Serial No. 356,238.

MYCOCK EXPANDER

For Machines for Distending Textile Fabrics.
Claims use since 1910.

319,414. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MONTGOMERY COMPANY, Windsor Locks, Conn. Filed Mar. 24, 1931. Serial No. 312,486.

KWIKSCOUR

For Abrasive Scouring and Cleaning Balls, Mitts, and Mats.
Claims use since Mar. 1, 1931.

319,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES STRANGE REAR, Vancouver, British Columbia, Canada. Filed Mar. 20, 1933. Serial No. 335,884.

Nap-reau

For a Liquid Preparation Used in Renewing the Nap on Fabrics.
Claims use since March, 1932.

TRADE-MARK REGISTRATIONS RENEWED

11,651. KNITTING AND EMBROIDERY YARNS AND CHENILLES. Registered November 11, 1884. W. H. HORSTMANN & SONS. Re-renewed November 11, 1934, to Wm. H. Horstmann Company, Philadelphia, Pa., a corporation of Pennsylvania, successor.

40,198. BEER AND MALT EXTRACT. Registered April 28, 1903. BIRK BROS. BREWING CO. Renewed April 28, 1933, to Birk Bros. Brewing Co., Chicago, Ill., a corporation of Illinois, by changes of name.

43,294. CERTAIN NAMED PAPER, AND ENVELOPS. Registered September 6, 1914. FITZ ALLEN FLINN. Renewed September 6, 1934, to F. A. Flynn, Inc., New York, N. Y., a corporation of New York, successor.

43,601. CERTAIN NAMED TEXTILE GOODS. Registered October 15, 1904. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England, a corporation of Great Britain. Renewed October 15, 1934.

43,699. AN EYE TONIC. Registered November 15, 1904. SAM LETTMAN, Asheville, N. C. Renewed November 15, 1934.

43,836. CIGARS. Registered December 13, 1904. THEODORE H. HART & CO. Renewed December 13, 1934, to Bobrow Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

43,862. CERTAIN NAMED TEXTILE GOODS. Registered December 20, 1904. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England, a corporation of Great Britain. Renewed December 20, 1934.

44,068. ANESTHETIC. Registered January 24, 1905. FARBENFABRIKEN OF ELBERFELD CO. Renewed January 24, 1935, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

44,205. SOAP. Registered February 21, 1905. WILHELM ANHALT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Kolberg, Germany. Renewed February 21, 1935, to Enterikultur A.-G., Ostseebad Kolberg, Germany, a corporation of Germany, by changes of name.

97,621. FRUIT CAKES. Registered June 16, 1914. PETER KERN COMPANY, INC., Knoxville, Tenn. Renewed June 16, 1934, to Schulze Baking Company, Kansas City, Mo., a corporation of Illinois, successor.

99,956. CITRUS FRUITS. Registered September 29, 1914. CO-OPERATIVE ORANGE ASS'N. Renewed September 29, 1934, to R. O. MacDonald, Lindsay, Calif., assignee by mesne assignments.

100,323. WRITING, PRINTING AND COVER PAPER. Registered October 20, 1914. HAMPDEN GLAZED PAPER AND CARD COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed October 20, 1934.

100,705. SHOES, SLIPPERS, AND BOOTS MADE WHOLLY OR IN PART OF LEATHER OR CANVAS. Registered October 20, 1914. OTTO H. HASSEL, Chicago, Ill. Renewed October 20, 1934.

100,738. SILK CURTAINS AND SILK GOODS TO BE SOLD IN THE PIECE OR BY THE YARD. Registered October 27, 1914. A. THEODORE ABBOTT & COMPANY. Renewed October 27, 1934, to A. Theo. Abbott & Co. Inc., Philadelphia, Pa., a corporation of Pennsylvania, successor.

101,001. LENSES. Registered November 3, 1914. ONE PIECE BIFOCAL LENS COMPANY. Renewed November 3, 1934, to Continental Optical Company, Inc., Indianapolis, Ind., a corporation of Indiana, assignee by mesne assignments.

101,814. SAGE-QUININ HAIR-TONIC, PERFUMERY, AND TOILET WATER, FACE-POWDER, DEODORANT, AND CERTAIN NAMED CREAMS. Registered January 12, 1915. JOHN H. WOOD COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 12, 1935.

101,884. A COLD-WATER SOAP. Registered January 12, 1915. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 12, 1935.

102,096. CERTAIN NAMED BUCKETS, COUNTERWEIGHT-DRUMS, AND PARTS THEREOF, DREDGE, EXCAVATOR, AND SPUD FITTINGS. Registered January 26, 1915. THE HAYWARD COMPANY, New York, N. Y., a corporation of New York. Renewed January 26, 1935.

102,240. NUT-LOCKS. Registered January 26, 1915. THE NATIONAL LOCK WASHER COMPANY, Newark, N. J., a corporation of New Jersey. Renewed January 26, 1935.

102,354. RICE, TAPIOCA, SPICES, AND SYRUP FOR FOODS. Registered February 9, 1915. THE J. K. ARMSBY CO. Renewed February 9, 1935, to California Packing Corporation, San Francisco, Calif., a corporation of New York, assignee.

102,758. BISCUIT. Registered February 23, 1915. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed February 23, 1935, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

102,780. CANNED FRUITS AND CANNED VEGETABLES. Registered February 23, 1915. THE J. K. ARMSBY CO. Renewed February 23, 1935, to California Packing Corporation, San Francisco, Calif., a corporation of New York, assignee.

102,880. SOAP. Registered February 23, 1915. IOWA SOAP COMPANY, Burlington, Iowa, a corporation of Iowa. Renewed February 23, 1935.

102,919. WOOLEN PIECE GOODS AND WOOLEN BLANKETS. Registered March 2, 1915. FARIBAULT WOOLEN MILL CO., Faribault, Minn., a corporation of Minnesota. Renewed March 2, 1935.

103,036. BEER. Registered March 16, 1915. SANDLERBRÄU GES. M. B. HFTG. Renewed March 16, 1935, to Sandlerbräu Aktiengesellschaft, Kulmbach, Germany, a corporation of Germany, assignee.

103,116. PERFUME, COMPLEXION AND SACHET POWDERS. Registered March 16, 1915. SOLON PALMER, New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,204. ENAMELS. Registered March 23, 1915. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed March 23, 1935.

103,208. MILK AND CREAM. Registered March 23, 1915. SHEFFIELD FARMS-SLAWSON-DECKER COMPANY. Renewed March 23, 1935, to Sheffield Farms Co. Inc., New York, N. Y., a corporation of New York, by change of name.

103,232. GLOVE AND SHOE LEATHER AND ALL LEATHER MANUFACTURED BY SAID CORPORATION. Registered March 23, 1915. GLOVERSVILLE LEATHER MANUFACTURING CORPORATION, Gloversville, N. Y., a corporation of New York. Renewed March 23, 1935.

103,248. MOTION-PICTURES. Registered March 23, 1915. PARAMOUNT PICTURES CORPORATION, New York, N. Y. Renewed March 28, 1935, to Paramount Productions, Inc., Hollywood, Calif., a corporation of Delaware, assignee by mesne assignments.

103,291. WHEAT-FLOUR. Registered March 30, 1915. JOHN B. A. KERN & SONS, Milwaukee, Wis., a firm. Renewed March 30, 1935.

LABELS

REGISTERED NOVEMBER 20, 1934

44,659.—*Title:* IODIZED BY MOTHER NATURE. For Seacoast-Grown Vegetables. DAN R. BOISSEAU, San Antonio, Tex. Published August 24, 1934.

44,660.—*Title:* EVER-SHINE. For Polishing Bags. BROOKS & PORTER, INC., New York, N. Y. Published August 2, 1934.

44,661.—*Title:* MONTMORENCY. For Pitted Red Cherries. CHERRY GROWERS PACKING COMPANY, Traverse City, Mich. Published September 22, 1934.

44,662.—*Title:* GRAND TRAVERSE. For Red Pitted Cherries. CHERRY GROWERS PACKING COMPANY, Traverse City, Mich. Published September 22, 1934.

44,663.—*Title:* CHERIPAC. For Pitted Red Sour Cherries. CHERRY GROWERS PACKING COMPANY, Traverse City, Mich. Published September 22, 1934.

44,664.—*Title:* COFFELT'S NEVER FAILING HAIR COLORING. For Hair Coloring. COFFELT CHEMICAL CO., INC., New York, N. Y. Published December 26, 1933.

44,665.—*Title:* EHLCO DRY-ENERGY FLOOR CLEANER. For a Floor Cleaner. C. F. EHLE, doing business as Ehlco Cleaner Products Co., Milwaukee, Wis. Published September 1, 1934.

44,666.—*Title:* WASHBURN'S PANCAKE FLOUR. For Pancake Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 13, 1934.

44,667.—*Title:* DR. HESS POULTRY WORM POWDER. For Poultry Worm Powder. DR. HESS & CLARK, INC., Ashland, Ohio. Published September 18, 1934.

44,668.—*Title:* DR. HESS POULTRY WORM TABLETS. For Poultry Worm Tablets. DR. HESS & CLARK, INC., Ashland, Ohio. Published September 18, 1934.

44,669.—*Title:* KENTUCKY GENTLEMEN. For Straight Kentucky Whiskey. JOSSELSON BROS., INCORPORATED, Ashland, Ky. Published September 21, 1934.

44,670.—*Title:* LIQUID WAX DRIES BRIGHT WITHOUT RUBBING OR POLISHING. For Liquid Wax. MIRAX CHEMICAL PRODUCTS CORPORATION, St. Louis, Mo. Published September 18, 1934.

44,671.—*Title:* DR. SCHOLL'S PEDICREME. For a Cream for the Relief of Sore, Tired, Aching Feet, Burning Callouses, Corns, Chilblains, and Rough, Tender Skin. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published July 1, 1931.

44,672.—*Title:* OLD NICK. For a Candy Bar. SCHUTTER-JOHNSON CANDY CORPORATION, Chicago, Ill. Published September 10, 1934.

44,673.—*Title:* BIT-O-HONEY. For a Candy Bar. SCHUTTER-JOHNSON CANDY CORPORATION, Chicago, Ill. Published September 10, 1934.

44,674.—*Title:* NIX ON RUNS. For a Powder for Preventing Runs in Hosiery and Rayons. CARRIE F. SHAW, doing business as Nix Laboratories, Not Inc., Chicago, Ill. Published March 10, 1934.

44,675.—*Title:* PROTECT YOUR HEALTH. For Bags for Receiving Dust. CATHERINE E. SMITH, Meadville, Pa. Published September 9, 1934.

44,676.—*Title:* AURORA. For Flour. GEORGE URBAN MILLING COMPANY, Buffalo, N. Y. Published August 31, 1934.

44,677.—*Title:* THE WINE BARREL. For Wine. THE WINE TRADING COMPANY, Los Angeles, Calif. Published March 24, 1934.

44,678.—*Title:* WRIGLEY'S PEPSIN GUM. For Pepsin Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published August 25, 1934.

44,679.—*Title:* YUENGLING'S PORTER. For Porter. D. C. YUENGLING & SON, INC., Pottsville, Pa. Published June 19, 1934.

44,680.—*Title:* YUKON'S STAR & CRESCENT. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,681.—*Title:* MASTER BREAD. For Sliced Bread. ZINSMASTER BAKING COMPANY, Minneapolis, Minn. Published February 17, 1934.

PRINTS

REGISTERED NOVEMBER 20, 1934

14,921.—*Title:* LIKE BROWN OCTOBER ALE. WALDORF HARVEST BREW. A SUPERFINE LAGER BEER. For Lager Beer. FOREST CITY BREWERY INC., Cleveland, Ohio. Published September 26, 1934.

14,922.—*Title:* WRIGLEY'S PEPSIN GUM. For Pepsin Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published August 25, 1934.

REISSUES

NOVEMBER 20, 1934

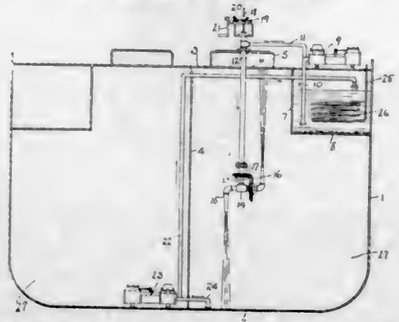
19,374

METHOD OF CLEANING, SCALING, AND GAS FREEING BULK CARGO TANKS OF TANK VESSELS

Arthur B. Butterworth, Brooklyn, N. Y., assignor, by mesne assignments, to Butterworth System, Inc., Wilmington, Del., a corporation of Delaware

Original No. 1,806,740, dated May 26, 1931, Serial No. 225,592, October 11, 1927. Application for reissue August 1, 1933, Serial No. 683,231

9 Claims. (Cl. 141—1)



1. A process of cleaning interiors of tanks of cargo vessels and like nautical vessels, to remove oil residuum and scale therefrom, comprising heating water, directing the said water in streams with force, while under a high pressure, in excess of 100 lbs. per square inch, and sufficient to dislodge and disintegrate accumulated scale on the tank walls, through an orifice against the sides and bottom walls of such tanks, and simultaneously accomplishing the stripping of such tanks by utilizing the inherent drainage of such vessels, whereby liquid is directed to a low point of the tanks thereof, and removing the used water together with the dislodged oil residuum so accumulating at such low point at a rate to maintain the bottom walls free of water and in a condition to be cleaned by the same cleaning operation.

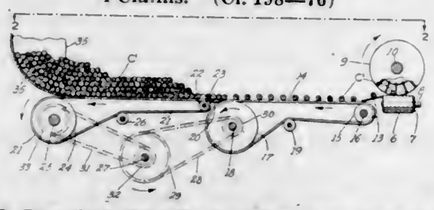
19,375

TWO-SPEED COLLECTOR BELT FOR CIGARETTE MACHINES

Wilhelm B. Bronander, Montclair, N. J., assignor to American Machine & Foundry Company, a corporation of New Jersey

Original No. 1,885,892, dated November 1, 1932, Serial No. 535,517, May 6, 1931. Application for reissue October 3, 1934, Serial No. 746,744

4 Claims. (Cl. 198—76)



3. In a cigarette collector, the combination with a primary collecting belt operating to move cigarettes sidewise, of an abutment, and a secondary collecting belt arranged in tandem with said primary belt and moving at a slower speed to cause the cigarettes to pile up on said secondary belt against said abutment.

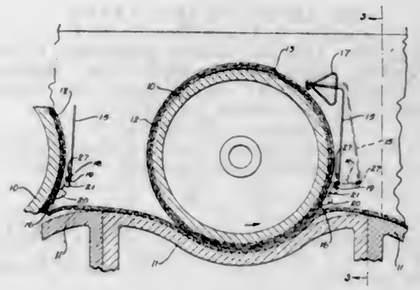
19,376

STRIPPER FINGER FOR FLATWORK IRONERS

Charles Edwin Hamilton, Sr., Hollywood, Calif., assignor to Edwin Lane, Percy Mendelson, and Charles Mendelson, all of New York, N. Y.

Original No. 1,860,538, dated May 31, 1932, Serial No. 446,208, April 22, 1930. Application for reissue March 21, 1933, Serial No. 661,931

7 Claims. (Cl. 68—9)



7. A resilient narrow metal stripper member, for use in a flat work ironer including ironing rolls with lapped cover cloth, and having a finger portion and tip portion which latter is provided with guide means projecting on the delivery side of a roll for deflecting the goods, immediately the same are stripped from said roll, toward the heat chest and the nip of the next succeeding roll, said tip portion being movable relative to the finger portion of the stripper member and adapted normally to be positioned for engagement with the roll surface to strip work therefrom and adapted to collapse toward said finger portion upon improper functioning of the stripper member; and a support for said stripper finger.

19,377

REFINING APPARATUS

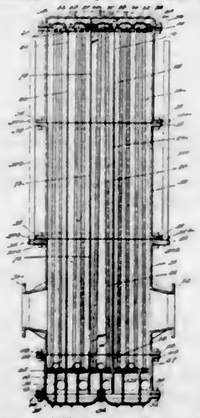
Charles H. Leach, Roselle, N. J.

Original No. 1,821,346, dated September 1, 1931, Serial No. 147,561, November 10, 1926. Renewed January 28, 1931. Application for reissue August 29, 1933, Serial No. 687,378

10 Claims. (Cl. 257—223)

1. The combination, in apparatus having a plurality of banks of tubes with a surrounding shell, with longitudinal partitions connected to the shell to form a series of passes lengthwise of the tubes and disposed in a manner to permit withdrawal of the surrounding shell and con-

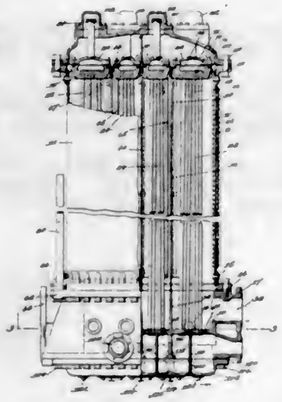
nected partitions from about the tube banks without disconnecting the partitions from the shell,



and means for guiding and centering the shell with respect to the tube banks during withdrawal.

19,378
OIL REFINING APPARATUS
Charles H. Leach, Roselle, N. J.
Original No. 1,821,347, dated September 1, 1931, Serial No. 158,212, December 31,1926. Renewed February 26, 1931. Application for reissue August 29, 1933, Serial No. 687,379
36 Claims. (Cl. 257—223)

1. Oil refining apparatus comprising condenser tubes, a transverse tube support connected to the tubes at one end, floating heads connected to the opposite ends of the tubes, a shell enclosing the tubes above the support and detachably connected therewith, inlet and outlet vapor nozzles mounted on the support and communicating with the interior of the shell, a partition extending



longitudinally of the tubes between the floating heads supported to permit removal of the shell from about the tube bundles and providing more than one vapor pass extending longitudinally of the tubes in opposite directions, and means for directing cooling medium through the interior of the tubes.

PLANT PATENTS

GRANTED NOVEMBER 20, 1934

112
STRAWBERRY
George D. Aiken, Putney, Vt.
Application April 16, 1934, Serial No. 720,897
1 Claim. (Cl. 47—62)

The new and distinct variety of so-called everbearing strawberries shown and described, characterized particularly by its fall crop of berries of large size, long pointed shape and superior quality as compared not only with the summer crop but with other known varieties.

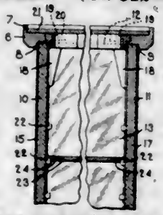
113
RASPBERRY VARIETY
Asaph B. Curtis, Sarona, Wis.
Application August 12, 1933, Serial No. 684,893
1 Claim. (Cl. 47—62)

A hardy light colored raspberry plant as shown and described, characterized by very strong light green canes, free from briars, with light green leaves, and able to thrive in any soil and to stand drought well and also characterized by a profusion of cream colored slightly pink berries borne at the ends of stems, the berries having a good flavor and ripening early in the season.

PATENTS

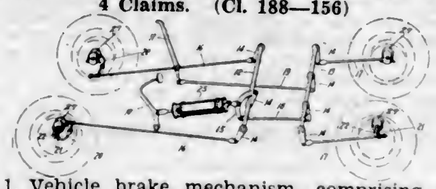
GRANTED NOVEMBER 20, 1934

1,980,973
DISPLAY CASE
Henry A. Alheit, Milton, Mass.
Application July 13, 1933, Serial No. 680,275
11 Claims. (Cl. 312—114)



1. A display case comprising a rectangular base and a rectangular top having respectively grooves to receive the lower and upper edges of side walls and a front wall, pairs of reversely positioned metallic channel-shaped uprights seated in said side grooves adjacent the corners of said base and top and having shoulders spaced from the ends of said uprights to engage respectively the upper face of the base and the under face of the top, side walls seated in said side grooves and in the channels of the respective pairs of uprights, a front wall seated in the front grooves of said base and top and secured in place thereby, and means for securing the ends of said uprights to said base and top to provide a rigid metallic frame construction.

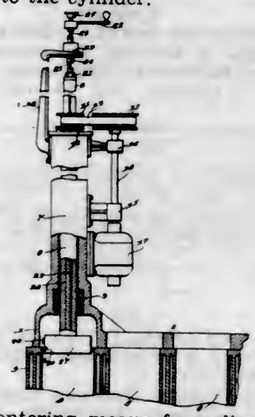
1,980,974
VEHICLE BRAKE MECHANISM
Vincent G. Apple, Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application July 16, 1928, Serial No. 293,192
4 Claims. (Cl. 188—156)



1. Vehicle brake mechanism, comprising, in combination, a backing plate, a rotatable drum, retarding means within the drum, an electric motor supported by and in spaced relationship from the backing plate, said motor having an armature shaft extending through and journalled in the backing plate and provided within the drum with mechanism operably connected with the retarding means to urge said means against the drum, an arm carried by the shaft and disposed within the space between the backing plate and the motor and manually operable brake applying mechanism connected with said arm.

1,980,975
INITIAL CENTERING DEVICE AND METHOD
George C. Beck, Spokane, Wash.
Application August 7, 1933, Serial No. 683,952
14 Claims. (Cl. 77—2)

4. In a method of centralizing a boring machine on a cylinder, the steps of loosely supporting the machine on the cylinder with the boring tool-head in eccentric relation thereto, advancing the tool-head partially into the cylinder, projecting an element from the tool-head on a radius greater than that of a cylinder for contact with the wall of the latter, rotating the tool-head thereby producing oscillatory motion of the machine, gradually reducing the radius of the element until the oscillatory motion ceases, securing the machine in place on the cylinder, and thereafter advancing the tool-head into boring relation to the cylinder.

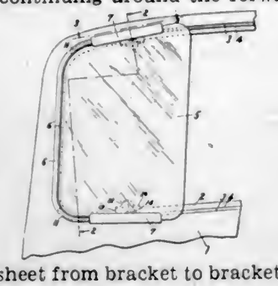


11. In a centering means for cylinder boring machines, the combination with a vertically disposed power driven rotary shaft provided with a cutter head and a bore in said shaft extending into said head and said head having a horizontally and radially disposed bar guiding bore intersecting the bore in said shaft, a boring tool for said cutter head, a centering bar slidable in said bar guiding bore of said head and having an outer end for engagement with the bore of the cylinder and an inner cam end, a bar actuating and releasing spindle longitudinally adjustable in the bore of said shaft and having a cam end for engagement with the cam end of said bar to project said bar against said bore and throw said head into eccentric relation with said bore to impart oscillating motion to the machine, and said spindle having means for manually adjusting said spindle to gradually release said bar during rotation of said head and reduce oscillation of the machine to zero and thereby center said head in the cylinder with precision accuracy.

1,980,976
SIDE WINDSHIELD
James P. Callahan, San Francisco, Calif.
Application July 5, 1932, Serial No. 620,743
9 Claims. (Cl. 296—84)

1. A side windshield for an automobile comprising a plate of glass adapted to be vertically positoned adjacent the side of the automobile, a pair of supporting brackets, one at the upper and one at the lower edge of the plate, said brackets formed with a U-shaped portion embracing the edge of the plate, and a one-piece U-shaped soft rubber strip tightly gripped at its opposite ends between the U-shaped portions of

the brackets respectively and the plate, said rubber strip continuing around the forward edge of



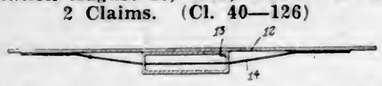
the glass sheet from bracket to bracket and under the same.

1,980,977

WINDOW DISPLAY DEVICE

Franklin E. Everson, Scarsdale, N. Y.

Application August 16, 1932, Serial No. 628,975
2 Claims. (Cl. 40—126)



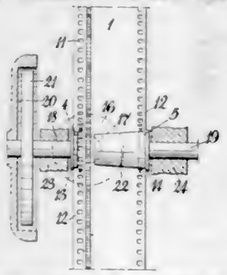
1. A display unit which comprises a relatively long narrow strip of paper, an article to be displayed and having a slit therein through which the paper strip passes to support the article, and means on the strip to fasten it to a surface against which the article is to be displayed.

1,980,978

METHOD AND APPARATUS FOR ADVANCING FILM PAST A PLACE OF RECORDING OR REPRODUCTION

Emil Einar Wilhelm Anderson and Georg Karl Vilhelm Johanson, Stockholm, Sweden, assignors to Aga-Baltic Radio A. B., Stockholm, Sweden

Application June 15, 1931, Serial No. 544,636
In Sweden January 17, 1931
16 Claims. (Cl. 271—2.3)



7. In film recording or reproducing apparatus, a freely journalled roller adjacent to the place of recording or reproduction adapted to be engaged and driven solely by the film, inertia mass associated with said roller and adapted to rotate therewith, driving means for causing the film to move over said roller, and additional rollers positioned to cause a portion of the film to assume a curve through which driving force is transmitted to the first-mentioned roller from the driving mechanism.

16. In the art of advancing a film past a given point of translation by the aid of film driving means and a guide roller the momentary speed of which coincides with the momentary speed of the film at said point of translation, that improvement which consists in driving the roller solely due to force transmitted from the film driving means through a slack curved portion of the film and subjecting the roller to the influence of inertia mass frictionally connected with but substantially freely rotatable with respect to the roller.

1,980,979

PULP BOARD AND METHOD OF MAKING SAME

Hubert L. Becher, Trenton, N. J.

No Drawing. Application July 13, 1929, Serial No. 378,183. Renewed March 3, 1934
7 Claims. (Cl. 92—54)

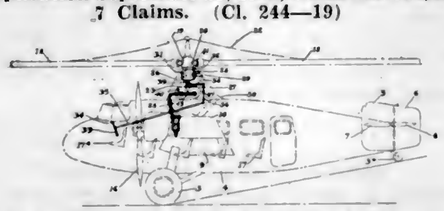
1. The method of making pulp board which comprises shaping a suitably digested pulp into the form of a board, subjecting said board to a preliminary operation to remove the bulk of the water and then subjecting it to heat until at least a substantial proportion of the interstitial moisture has been removed but not to the extent of removing any substantial proportion of the colloidal moisture and then to heat and pressure between the steam filled platens of a hot press until completely dry, and releasing the same without cooling the platens.

1,980,980

AIRCRAFT HAVING SUSTAINING ROTORS AND METHOD OF OPERATING THE SAME

Harris S. Campbell, Hatboro, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware

Application September 23, 1931, Serial No. 564,484
7 Claims. (Cl. 244—19)



1. In an aircraft having a sustaining rotor, an engine serving normally for forward propulsion of the craft, said engine being mounted toward one side of the craft, and fluid pressure means for driving the rotor, said means including a fluid pressure connection between the engine and another portion of the driving means disposed adjacent the rotor hub structure, together with an engine bracing strut housing, at least in large part, said fluid pressure connection.

1,980,981

METHOD AND APPARATUS FOR CONSTRUCTING MULTIPLE SCALE REPRESENTATIONS OF OBJECTS

Hereward Lester Cooke, Princeton, N. J.

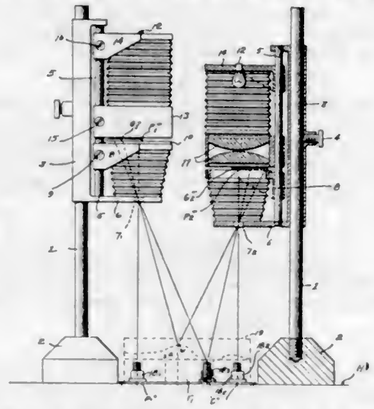
Application October 8, 1930, Serial No. 487,175
7 Claims. (Cl. 41—25)

1. The method of photosculpture which consists in the steps of obtaining a pair of photographs of the work in rectified perspective, such photographs being originally taken from different positions, selecting one or more identifiable points (as may be necessary for solution) in said photographs whose positions are known with respect to a given plane of reference (first plane), plotting the projections of said points on the plane of reference of the photosculpture (second plane) in accordance with a scale denoted by N, locating positions of said points above said second plane of reference in directions normal to said second plane and at distances therefrom corresponding to the height

of said points in nature above said first reference plane on a scale which is equal to the

$$\frac{n}{N}$$

(where n equals the vertical scale), then obtaining optical coincidence between said point or points in space above the second plane of refer-



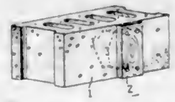
ence thus established and images of the corresponding points in each of said photographs whereby said photographs (or suitable reproductions thereof) are oriented and then ascertaining the positions of additional points in space above said second plane of reference to give the desired configuration by observing where the projected images of said additional points in each of said photographs coincide.

1,980,982

MEANS FOR ATTACHING FURRING STRIPS TO CEMENT BUILDING BLOCKS

Jesse L. Crawford, Springfield, Ohio

Application June 13, 1931, Serial No. 544,135
4 Claims. (Cl. 72—101)



3. The combination of a wall formed with overlapping molded blocks, an independent vertically-extending furring strip for each block located entirely on the outside of the block and connected therewith, the arrangement being such that when the blocks are laid in overlapping relation the furring strips of adjacent layers of blocks will be in staggering relation, and lathing secured to the outer faces of said furring strips whereby the lathing will be in spaced relation with said blocks and a continuous air space exist from the bottom to the top of the wall.

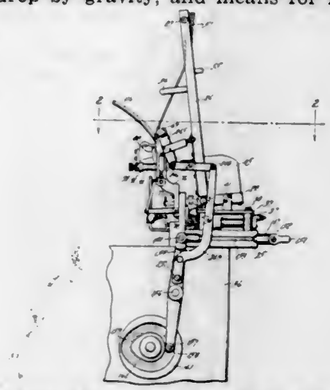
1,980,983

SHEET FEEDING APPARATUS

Robert Curric, Eastport, Maine, assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application February 15, 1932, Serial No. 592,941
14 Claims. (Cl. 271—27)

1. A sheet feeding apparatus, comprising in combination, a magazine for holding a plurality of sheets on edge in stack formation, separating devices for removing a single sheet from one side of said magazine, means for releasing the sheet to drop by gravity, and means for feeding said



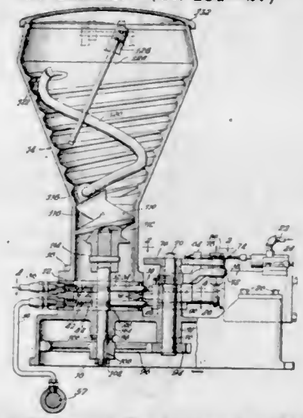
separated sheet downwardly in a step by step movement.

1,980,984

LUBRICATING APPARATUS

Ernest W. Davis, Oak Park, Ill., assignor to Alemite Corporation, Chicago, Ill., a corporation of Delaware

Application August 15, 1931, Serial No. 557,305
12 Claims. (Cl. 184—27)



1. In a compressor for heavy non-fluid lubricants, the combination of a high pressure pump having an inlet, and means for priming said pump through said inlet comprising a substantially conical hopper having a clockwise volute ridge formed on the inner wall thereof, a counter-clockwise volute bar movable closely adjacent said ridge, and means to rotate said bar.

1,980,985

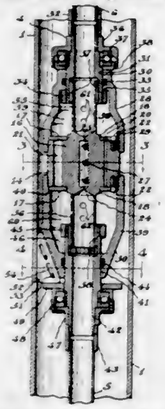
WELL PUMP

Robert Deming, Cincinnati, Ohio

Application January 10, 1930, Serial No. 419,809
Renewed July 30, 1934
25 Claims. (Cl. 103—119)

1. Pumping apparatus comprising a pair of axially alined pipes, a pump rotor between the ends of the pipes axially alined with the pipes and non-rotatably connected to both, a pump housing enclosing the rotor and rotatably mounted on said pipes, said housing having an inlet communicating with one pipe and an outlet communicating with the other, a second rotor non-rotatably connected to the opposite end of one of said pipes, a housing enclosing the second ro-

tor having an outlet communicating with the latter pipe, means for holding the housings against



rotation, and means for rotating the pipes and rotors.

1,980,986
PUMPING APPARATUS
Robert Deming, Cincinnati, Ohio
Application October 10, 1930, Serial No. 487,754
10 Claims. (Cl. 103—119)



1. A pump comprising a central cylindrical section forming a rotor chamber and externally threaded at its ends and end sections screwed onto said central section, a rotor having a body portion within the central section of the housing and a stepped axial extension at each end, each of which consists of a bearing portion of less diameter than the body portion of the rotor and an outer end portion of less diameter than the bearing portion, thrust members seated in the end sections and engaging the outer ends of the bearing portions of the rotor, and bearing sleeves fitting within the end sections and around the bearing portions of the rotor, said sleeves being clamped between said thrust members and the central housing section.

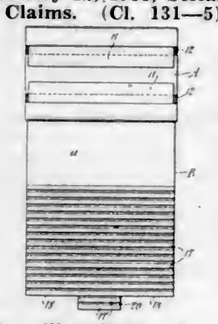
1,980,987
XYLENITIC RESIN AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application November 24, 1924, Serial No. 751,867
26 Claims. (Cl. 260—4)

1. Xylenol-formaldehyde-magnesium oxide resin softening but not flowing on a hot plate at atmospheric pressure but flowing freely and setting to a hard mass when subjected to hot pressing at a temperature of about 165° C.

1,980,988
SOLVENTS FOR ETHERIFICATION OF CELLULOSE
Deane C. Ellsworth, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1933, Serial No. 669,203
11 Claims. (Cl. 260—152)

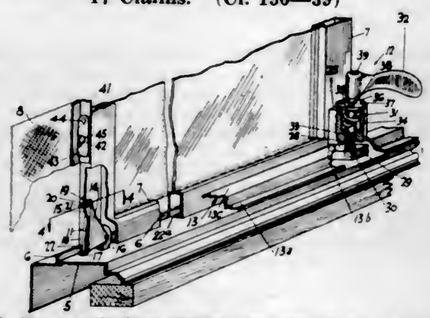
1. Process for the preparation of cellulose ethers comprising etherifying alkali cellulose with a halide etherifying agent in the presence of a low molecular weight, inert, water soluble ether of the class consisting of polyethers and cyclic ethers.

1,980,989
CIGARETTE ROLLING DEVICE
Nicolay K. Fougner, New York, N. Y.
Application January 12, 1933, Serial No. 651,412
6 Claims. (Cl. 131—5)



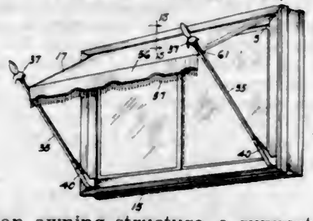
1. A cigarette rolling device comprising a flexible sheet, and a cigarette paper engaging tab on the free end of the sheet narrower than the sheet.

1,980,990
COMPOSITE WINDOW SASH AND SCREEN
Hans P. Gronbech, Pacific Beach, Calif.
Application August 9, 1933, Serial No. 684,355
17 Claims. (Cl. 156—39)



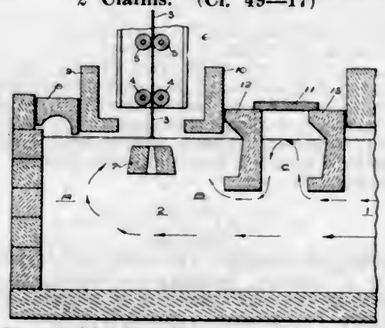
2. In a window frame construction, a sash, a roller, a screen windable upon and off of said roller and detachably secured to said sash, a spring in said roller, said spring being placed in tension whereby to create a constant pull on the adjacent side of said sash, a window stool including a locking ledge, means to rollingly mount said sash on said stool, an operating handle including a spring and a part carried by said handle and normally held in engagement with said ledge by said spring to oppose the pull of the roller spring.

1,980,991
AWNING CONSTRUCTION
Hans Peter Gronbech, Pacific Beach, Calif.
Application December 18, 1931, Serial No. 581,881
8 Claims. (Cl. 156—44)



8. In an awning structure, a support, a roller mounted upon said support adapted to have an awning wound thereupon, the mounting means for said roller comprising a bearing located at each end thereof, and an adjusting screw for one of said bearings to regulate the position of such bearings with relation to the support.

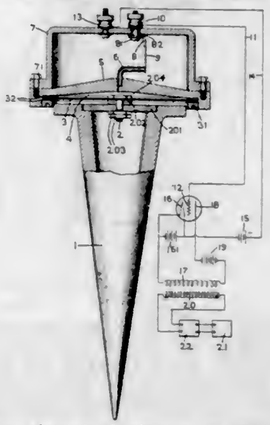
1,980,992
GLASS DRAWING TANK
Howard L. Halbach, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application May 22, 1933, Serial No. 672,247
2 Claims. (Cl. 49—17)



2. In combination in apparatus for making sheet glass including a melting tank and a drawing extension communicating therewith, means for drawing a glass sheet from the extension, a draw bar of refractory material in the glass bath beneath the line of draw, a skim bar of refractory material in the glass bath between the draw bar and the inlet end of the drawing extension and remote from said draw bar, and a second skim bar of refractory material in the glass bath between the first skim bar and the inlet end of the extension with its lower edge not substantially above the level of the bottom of the draw bar, the first mentioned skim bar having its lower edge at a level substantially below that of the bottom of the draw bar.

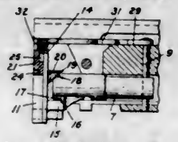
1,980,993
VIBRATION DETECTOR
Harvey C. Hayes, Washington, D. C.
Application May 17, 1928, Serial No. 278,492
4 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. In a device of the class described, a vibration responsive element adapted to be mounted in a medium so as to be movable with said medium in response to vibrations passing therethrough, an inertia member having a substantially concave face, a flexible diaphragm attached to said inertia member over said concave face so as to form with said inertia member an air chamber, a connection between said vibration responsive element and said diaphragm, the arrangement being such that there may be slight relative movement between said vibration responsive element and said inertia



member, an electrical circuit, a circuit making and breaking device connected in said circuit, and means including a tubular passage leading from said chamber to said circuit making and breaking device for actuating said device in response to relative movement of said vibration responsive element and said inertia member.

1,980,994
SEAR MECHANISM FOR GUNS
Clarence F. Hofstetter, Missoula, Mont.
Application June 17, 1932, Serial No. 617,776
8 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

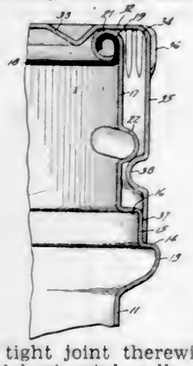


6. In a gun, a breech bolt, a firing pin movable relative to the bolt, a sear vertically slidable in the breech bolt for holding the firing pin in retracted position, a beveled lug on the sear engageable by the rear end of the firing pin whereby it is cammed upwardly by the firing pin in position of holding engagement therewith, and means for maintaining the sear in holding engagement with the firing pin.

1,980,995
CONTAINER
William M. Holloway, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 9, 1931, Serial No. 521,113
4 Claims. (Cl. 220—27)

1. A container comprising, in combination, a body having an outwardly extending bead forming a horizontal wall, an upper curled edge and a vertical friction wall, a frangible seal for closing the end of said container and having its outer edges permanently incorporated in said body curl, a part of said body above said friction wall being formed with interrupted screw threads, a

cover adapted to be positioned on the end of said container for protecting said frangible seal prior to opening of the container and for use as a reclosure after the said frangible seal is broken, said cover having a friction wall for engagement with said body friction wall and forming



a substantially tight joint therewith and bearing against said horizontal wall, and also having interrupted screw threads for engagement with said body threads by which said cover is drawn down on said container against the said container bead.

1,980,996

PROCESS FOR THE PREPARATION OF CALCIUM LACTOBIONATE

Horace S. Isbell, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce

No Drawing. Application April 10, 1933, Serial No. 665,343
3 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

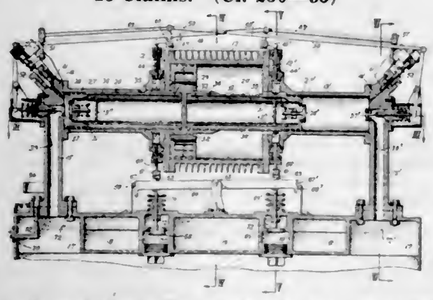
1. Process for the preparation of calcium lactobionate consisting in causing calcium lactobionate-calcium halide to react with lime giving difficultly soluble basic calcium lactobionate, separating the basic salt from the soluble impurities, and then converting it to normal calcium lactobionate by carbonation in water suspension.

1,980,997

AIR COMPRESSING APPARATUS

Fredrick Alfred Edward Jenkins, Canterbury, near Sydney, New South Wales, Australia

Application October 20, 1932, Serial No. 638,785
In Australia July 14, 1932
15 Claims. (Cl. 230—56)



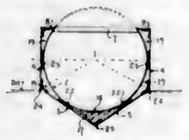
1. A crankless direct acting air compressor operating on the Diesel principle, comprising an air compressing cylinder, opposed power cylinders extending from opposite ends of the compressing cylinder and in axial alignment therewith, said air compressing cylinder having automatic air admission valves; a reciprocating element common to all three cylinders and comprising a piston in the compressing cylinder and plungers extending in opposite directions therefrom and operating in the said power cylinders, said piston having air ducts leading from opposite sides of the compression cylinder and said plungers having air ducts leading from those of the piston, an outwardly opening valve at the outer end of each plunger and to which one of said ducts leads, so that air compressed between the piston and each head of the compressing cylinder is delivered into the power cylinders to scavenge the latter, and compressed air discharge ducts and valves at the outer ends of the power cylinders.

1,980,998

VESSEL

Herbert M. Knight, Upper Montclair, N. J.

Application July 7, 1931, Serial No. 549,138
13 Claims. (Cl. 114—79)



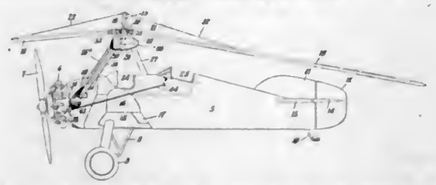
1. A vessel composed of a plurality of units, said units being composed of an outer skin, an inner shell, said shell extending longitudinal and continuous of said unit, said skin and said shell being unparallel relative to each other transversely of said unit, said skin and said shell being connected to each other and means joining said units together in a position longitudinally parallel relative to each other.

1,980,999

AIRCRAFT HAVING SUSTAINING ROTORS

Agnew E. Larsen, Huntingdon Valley, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware

Application September 23, 1931, Serial No. 564,515
2 Claims. (Cl. 244—19)



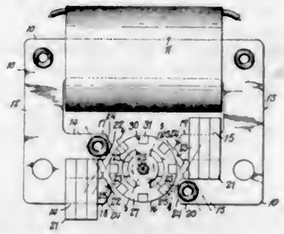
1. In an aircraft, an autorotative sustaining rotor having a hub providing a generally upright axis, a supporting structure for mounting the rotor hub above the body of the craft including a pair of supporting elements extending upwardly and rearwardly from the body structure toward the rotor hub, said elements being spaced from each other transversely of the craft adjacent to said hub, and a rotor starter mechanism including a rotor driving motor positioned in forwardly offset relation with respect to the rotor axis and nested and mounted between said elements at the upper ends thereof just below the general plane of the rotor, the motor including a rotative driving member the axis of which is forwardly offset from the rotor axis, together with a cooperating rotative driven member mounted on the rotor hub concentrically thereof.

1,981,000

NON-SELF-STARTING SYNCHRONOUS ELECTRIC MOTOR

Samuel Mazur, Bristol, Conn., assignor to The Sessions Clock Company, Forestville, Conn., a corporation of Connecticut

Application November 23, 1931, Serial No. 576,718
2 Claims. (Cl. 172—278)



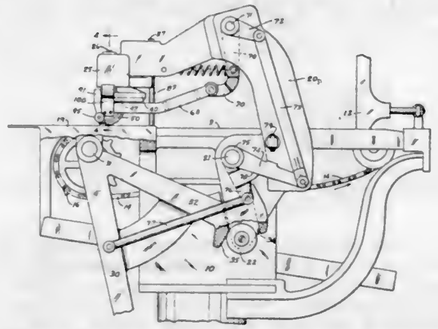
1. In a non-self-starting synchronous electric motor, the combination with a rotor having a substantially-cylindrical periphery; of a stator-structure provided with a plurality of shaded polar-projections and a plurality of unshaded polar-projections positioned adjacent the said rotor and coacting to produce a rotating magnetic field of insufficient strength to normally start the said rotor from rest; the pole-faces of the said shaded polar-projections being shaped to provide air-gap flux-paths of progressively-differentiated reluctance expanding in one direction circumferentially of the rotor and the pole-faces of the said unshaded polar-projections being shaped to provide air-gap flux-paths of progressively-differentiated reluctance expanding in a direction circumferentially of the rotor but in a direction opposite to that of the said shaded polar-projections.

1,981,001

ADDRESSING MACHINE

Henry C. Osborn, Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware

Application May 19, 1932, Serial No. 612,263
20 Claims. (Cl. 101—274)



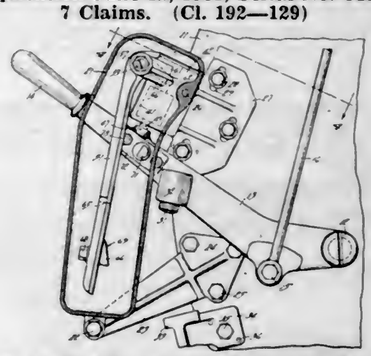
1. In an addressing machine, the combination of a bed for supporting an address plate in printing position, a platen arm, a segmental platen carried by the arm and adapted to be positioned thereby over the plate on the bed, and means for moving the axis of the segmental platen to cause its convex surface to rock over the plate, said platen having a shaft, and rollers on said shaft which roll along guides on the platen arm while the segment is rocking over the plate.

1,981,002

ELECTRICAL CONTROL SYSTEM

John G. Reid, San Jose, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application June 12, 1931, Serial No. 543,828
7 Claims. (Cl. 192—129)



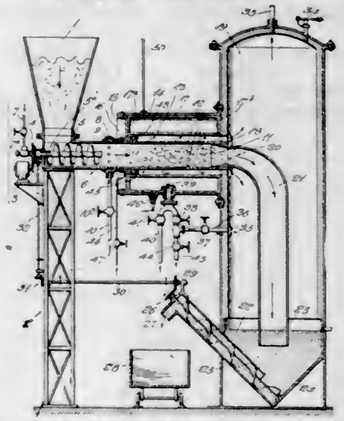
1. In an electrical control for can making machines, the combination of an electric circuit and stop device therein operable upon the occurrence of an abnormal condition in the machine to automatically stop its operation, means for starting the operation of the machine and locking means released by the remaking of the electric circuit of said electric stop device for preventing the operation of the said starting means and resumption of operation of the machine until the abnormal condition is removed.

1,981,003

METHOD OF MANUFACTURE OF COKE AND PRODUCER GAS

William A. Riddell, Frederick, Md., assignor to The Frederick Iron & Steel Company, Frederick, Md., a corporation of Maryland

Original application December 26, 1930, Serial No. 504,945. Divided and this application February 25, 1932, Serial No. 595,151
1 Claim. (Cl. 202—7)



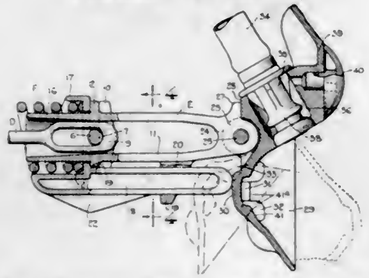
The method of manufacturing coke and gas, which comprises progressively feeding coal through a tube having a perforated portion, passing air and steam through the tube in the direction in which the coal moves to accelerate degasification of the coal, subjecting the coal to a distillation temperature during movement of the coal through the perforated portion of the tube for degasifying the coal, heating the gas

driven from the tube through perforations thereof to prevent sudden cooling of the gas, delivering the gas into an accumulator, quenching coke resulting from the distillation of the coal to form steam which mixes with gas in the accumulator, and utilizing a portion of the mixed gas and steam for supporting combustion around the coal in the tube for the continuous distillation of gas and forming of coke therefrom.

1,981,004
AUTOMATIC TRAIN PIPE COUPLING

Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin, Montreal, Quebec, Canada

Application December 16, 1930, Serial No. 502,761
Renewed July 12, 1933
6 Claims. (Cl. 285—58)

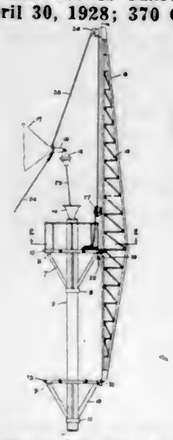


1. An automatic train pipe coupling comprising in combination, a coupling head, a member pivotally connected thereto and extending rearwardly thereof, a bracket extending from above downwardly into said member, a tie rod projecting into the member and pivotally engaging said bracket, a spring anchored to the bracket by said tie rod and serving to press said member forwardly, and a plunger engaging said head and said spring and cooperating with the latter to yieldingly resist pivotal movement of said head relative to said member.

1,981,005
MOORING MAST

Charles E. Rosendahl, United States Navy, Washington, D. C.

Application December 8, 1930, Serial No. 500,839
3 Claims. (Cl. 244—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

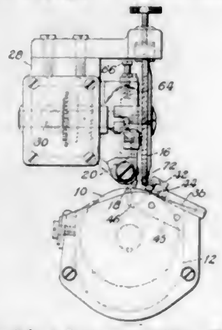


1. A mooring mast for an aircraft including a main mast, platforms thereon, ears extending from the platforms, an auxiliary top-mast, ears on said top-mast, and means for detachably holding said ears together to support the top-mast.

1,981,006
FRENCH-BINDING STRAIGHTENING AND CEMENTING MACHINE

Fred S. Sherman, Somerville, and John Husler, Saugus, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application April 21, 1932, Serial No. 606,686
7 Claims. (Cl. 12—55)

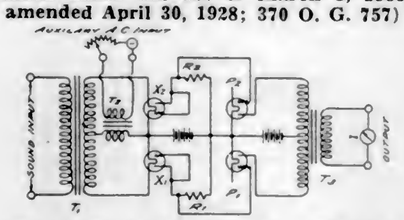


1. In a machine for cementing French binding work in which a fabric binding strip attached to the grain side of the leather is to be straightened to extend outwardly at the level of the grain side, means for applying cement to the flesh side of the leather and to the adjacent face of the outstanding fabric strip, a straightening tool to wipe the fabric binding strip into an outstanding position, and a substantially rigid presser member mounted to yield bodily and urged against the strip for holding the outstanding fabric binding strip in cooperative relation to the applying means.

1,981,007
ANALYSIS OF ELECTRIC CURRENTS BY THERMAL EFFECTS

Theodore Theodorsen, Langley Field, Va.

Application January 31, 1931, Serial No. 512,717
17 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



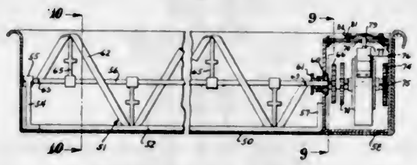
1. The method of analyzing oscillatory electric currents, which consists in combining currents of unknown frequency and a current of known frequency; simultaneously converting the combined currents into heat energy; and employing the response in heat energy to indicate the frequencies of the unknown currents.

1,981,008
ICE CREAM FREEZING TRAY

Martin G. Torson, Kansas City, Mo.

Application December 8, 1931, Serial No. 579,733
3 Claims. (Cl. 259—110)

1. In a freezing device, the combination of a tray adapted to be inserted in a freezing compartment and a stirring element removably positioned in said tray, said stirring element comprising a housing, a support secured to and extending from said housing, a motor arranged in said housing, a stirring member rotatably

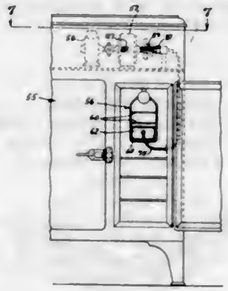


mounted on said support and means connecting said stirring member and said motor whereby the latter drives the stirring member.

1,981,009
ICE CREAM FREEZING DEVICE

Martin G. Torson, Kansas City, Mo.

Application December 8, 1931, Serial No. 579,734
4 Claims. (Cl. 62—116)

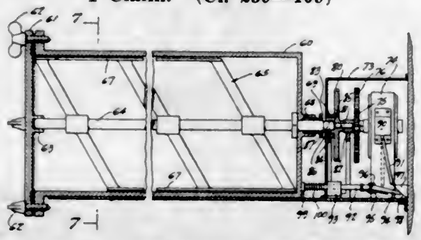


4. In combination with an iceless refrigerator including an electric motor for actuating the freezing mechanism, a container, a stirring device in said container, means to drive said stirring device, a thermo-responsive switch for controlling the operation of said motor, means to cause said thermo-responsive switch to be ineffective to control the motor to stop the same, means operable when the viscosity of the substance being frozen in said container reaches a certain point to cause said drive to the stirring device to cease to operate and to cause said motor to be placed under control of said thermo-responsive switch.

1,981,010
ICE CREAM FREEZING TRAY

Martin G. Torson, Kansas City, Mo.

Application December 8, 1931, Serial No. 579,735
1 Claim. (Cl. 259—109)

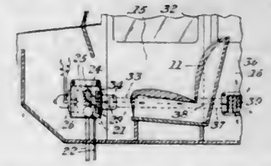


In an iceless refrigerator including a freezing compartment and a housing having a motor therein, a container adapted to be placed in said compartment, a rotatable stirring device in said container, a motor, means operable automatically on the insertion of said container into said compartment to cause said motor to start, means whereby said motor rotates said stirring device and an electrically operated overload switch associated with said stirring device and said motor, means whereby when the viscosity of the substance being frozen in said container reaches a certain point the overload switch will cause the operation of said motor to be discontinued and means operable automatically on the insertion of the receptacle into the compartment to actuate the overload switch to set position.

1,981,011
AUTOMOBILE HEATER

Sergius Vernet, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa., a corporation of New York

Application October 4, 1930, Serial No. 486,379
4 Claims. (Cl. 237—12.3)

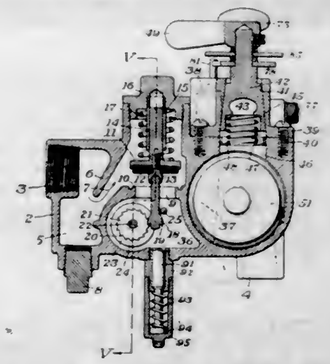


1. In combination with a vehicle having a front compartment for passengers, a rear compartment for passengers, seating means separating the two compartments, and a door for ingress and egress to and from one of the compartments, a heating system comprising a source of heated air and a conduit movable with the door for conducting heated air from the source to a compartment.

1,981,012
CONTROL DEVICE

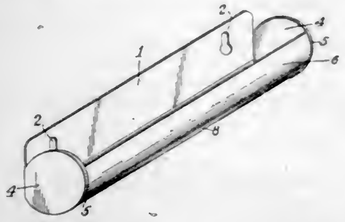
Francis A. Wegener, Gloucester, N. J., assignor to Welsbach Company, Gloucester City, N. J., a corporation of New Jersey

Application December 30, 1930, Serial No. 505,519
15 Claims. (Cl. 236—21)



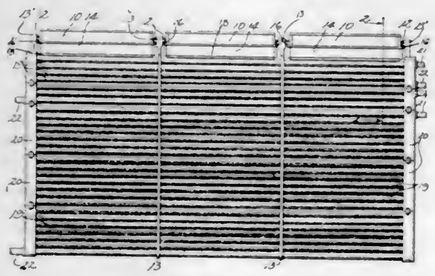
12. As an article of manufacture, a casing having an extension thereon, a valve within the casing, means for normally holding the valve open including a shaft extending through the extension, said valve being held open as long as rotation of the shaft is prevented and released when rotation of the shaft is permitted, and fusible material engaging said shaft for preventing rotation thereof while in the solid state.

1,981,013
WAX PAPER HOLDER AND CUTTER
Helen C. Wegener, Tacoma, Wash.
Application February 13, 1933, Serial No. 656,541
1 Claim. (Cl. 242—55.2)



A wax paper holder and cutter of the class described, comprising a wall-locating vertical plane back, detachable means for attaching said back to a wall, a container extending outwardly from the bottom of said plane back, leaving an opening between its outer edge and said back, parallel ends crimped on and enclosing said container, and a longitudinal slot in the lower front of said container through which wax paper can be grasped, drawn and cut from a roll loosely deposited within said container.

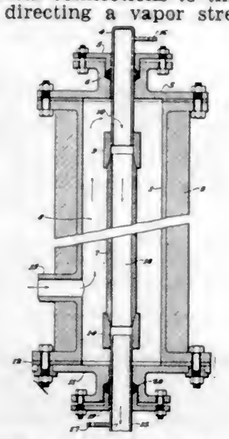
1,981,014
BEER COOLER
Otto Weigelt, Milwaukee, Wis.
Application May 17, 1934, Serial No. 726,039
2 Claims. (Cl. 257—183)



2. In a device of the class described, horizontally extending water pipes disposed in vertical relation, and an integral eccentric longitudinal projecting distortion of the lower portion of the wall of each of the said pipes, a fusing material sealing the projecting portion with the pipe beneath, terminal manifolds on said pipes, and slideable dovetailed means connecting said manifolds to allow for longitudinal expansion and contraction of the said pipes.

1,981,015
APPARATUS FOR PRODUCING DIPHENYL
William H. Williams, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Original application February 9, 1931, Serial No. 514,450. Patent No. 1,925,784, dated September 5, 1933. Divided and this application December 23, 1932, Serial No. 648,654
9 Claims. (Cl. 219—36)

9. In an electric furnace for the manufacture of diphenyl, the combination of a carbon tube adapted to serve as an electrical heating element, electrical connections to the carbon tube, means for directing a vapor stream first over



the outer surface of said carbon tube and then through the latter.

1,981,016
TOAST HOLDER
Fred L. Wooddell, Kansas City, Mo.
Application October 19, 1933, Serial No. 694,279
4 Claims. (Cl. 65—59)



1. A toast holder for preserving toasted bread and the like in warm condition comprising a casing, a cover for said casing, said cover and said casing having sufficient mass to enable the same to hold a substantial quantity of heat, said casing and cover being formed with venting means to provide for circulation of air through said container and means in the interior of the casing for supporting bread in spaced relation from the bottom of said casing.

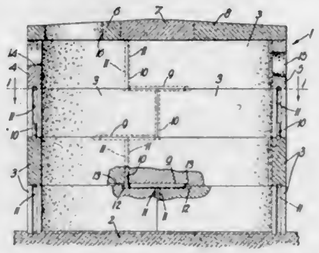
1,981,017
STOOL
John Worley, Jr., Pasadena, and Elmer L. Vreeland, Los Angeles, Calif., assignors to Worley & Co., Pico, Calif., a corporation of California
Application May 19, 1930, Serial No. 453,602
9 Claims. (Cl. 155—42)



3. A stool comprising four legs, a removable top mounted on said legs, a pair of cross members pivotally interconnecting pairs of said legs and permitting said pairs of legs to be moved relatively together to collapsed position, means in combination with said top for releasably holding said legs against relative movement, a step pivotally mounted on one pair of the legs

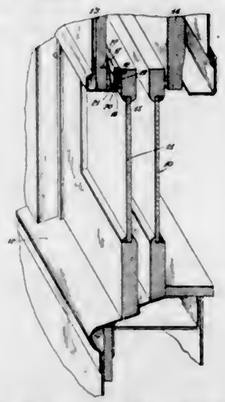
a pair of step legs pivotally connected to said step and a cross member pivotally connecting the pair of stool legs to the step legs, both the step and the step legs being adapted to be swung into collapsed position substantially in parallel with the attached stool legs.

1,981,018
TANK
Ralph Stuart Wortley, Bedford, N. Y.
Application May 14, 1932, Serial No. 611,291
1 Claim. (Cl. 72—13)



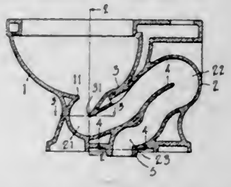
A tank formed of moulded segmental blocks arranged in courses, each of said blocks having grooves in its upper and lower surfaces extending to the ends of said blocks, and each of said blocks also having a groove in each end connecting an upper and a lower surface groove, keys inserted in the surface grooves for locking two blocks of one course to a block of another course, and keys inserted in the end grooves of abutting blocks of one course and projecting into a surface groove of another course for locking said courses together.

1,981,019
WINDOW WEATHER GUARD
Emil A. Zetmeir, Topeka, Kans.
Original application September 18, 1931, Serial No. 563,520. Divided and this application February 13, 1933, Serial No. 656,481
1 Claim. (Cl. 20—69)



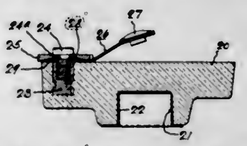
A weather guard of the character described comprising, in combination with a vertically sliding window-sash adapted to slide upwardly into a space above the window-opening; a sheet metal trough member, one side wall whereof is fixedly secured to the wall above the window-opening, wedge means secured to the rear of the trough member so as to hold the lower trough portion outwardly into close relation with the upper rail of the sash, a flexible weather strip secured at its upper edge to the top rail of the sash, and wedge means secured rearward of said strip so as to hold the free edge of the strip into the vertical plane of the trough of the trough member and to fit into the trough when the window sash is lowered.

1,981,020
WATER CLOSET BOWL
Carl H. Zwermann, Robinson, Ill.; Helene Zwermann and Carl H. Zwermann, Jr., executrix and executor of said Carl H. Zwermann, deceased
Application April 28, 1932, Serial No. 607,902
8 Claims. (Cl. 4—69)



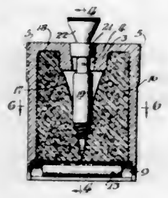
1. A water closet bowl having a discharge having a trap and siphon connection with a dam, the inlet to the trap being recurved and formed with a curved wall extending around one edge of the discharge opening in curved relation, the trap and siphon passage extending upwardly and in a curved relation over the edge of the said dam conformed so that any chord of the arc of a curve on the wall of said passage which chord is tangential to the edge of the dam is greater than the shortest chord of any curve on the wall of the recurved intake passage which second mentioned chord contacts with the opposite wall of the opening, and a downwardly inclined passage from said dam ending in a choke, whereby any object passing the intake to the trap or siphon will be passed freely therethrough and out at the choke.

1,981,021
IGNITION DISTRIBUTOR ROTOR
James L. Arthur, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 29, 1932, Serial No. 595,743
6 Claims. (Cl. 200—19)



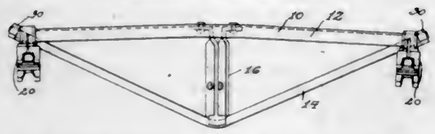
1. A rotor for an ignition distributor comprising a block providing integral lugs and a tapped hole, a metal segment supported by the block between said lugs, a screw passing through a hole in the segment and threadedly engaging the tapped hole in the block, a leaf spring conductor having a normally bowed portion clamped between the head of the screw and the block, the tightening of the screw in said tapped hole causing the flattening of the bowed portion against the block so that said bowed portion will exert pressure against the head of the screw in order to resist accidental loosening of the screw and said lugs preventing turning of the segment and the conductor relative to said block, and a contact carried by the conductor for engaging a terminal of the distributor head.

1,981,022
IGNITING DEVICE
Joseph René Ayotte, Chicago, Ill., assignor to Howard F. Leopold, Chicago, Ill.
Application November 24, 1933, Serial No. 699,487
4 Claims. (Cl. 67—7.1)



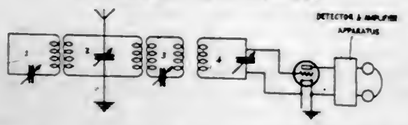
2. In an igniting device, a casing having a torch removably engaged in one portion thereof, another portion of the casing being open and internally shouldered, a trough received in said open portion of the casing having its opposite ends seated upon said internal shoulders, portions of the opposite sides of the trough being in binding engagement with adjacent portions of the casing, and sparking material in the trough.

1,981,023
BRAKE HEAD
Chris C. Baker, Hammond, Ind., and Walter H. Baselt, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 11, 1933, Serial No. 701,772
19 Claims. (Cl. 188—223)



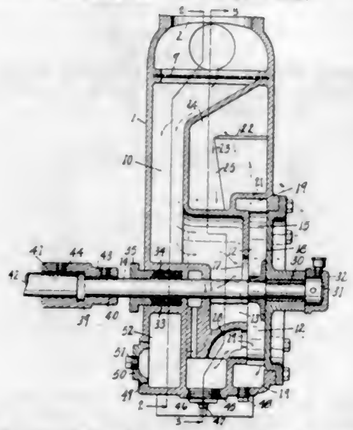
1. A brake head having an aperture for receiving the tension member of a brake beam, said head on each side thereof being provided with spaced members which may be adapted to form tension member seats, said members forming a slot therebetween, and a seat piece selectively insertable in each slot and adapted to receive the tension member disposed through said aperture whereby said head is reversible.

1,981,024
ANTENNA SYSTEM
Ettore Bellini, Paris, France, assignor to Compagnie Generale de Telegraphie, Sans Fils, Paris, France, a corporation of France
Application October 23, 1931, Serial No. 570,563
In France October 31, 1930
4 Claims. (Cl. 250—20)



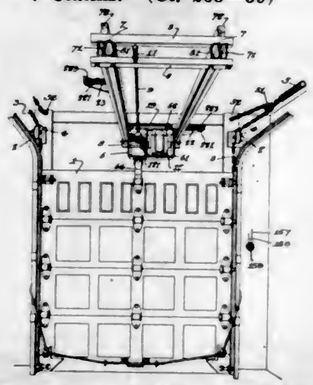
1. An anti-stray radio receiver system comprising an odd number of closely coupled oscillation circuits arranged in cascade, at least two of said oscillation circuits being tuned to the signal frequency to be received, and a utilization circuit arranged in loose coupling relationship with the last of said oscillation circuits.

1,981,025
PUMP
John C. Bird, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application June 17, 1932, Serial No. 617,717
14 Claims. (Cl. 103—113)



14. A centrifugal pump having a casing, a single intake passage opening into the center of the impeller, an impeller chamber, an impeller having vanes, a volute surrounding said impeller, means for separating air from the liquid coming from the volute, a restricted discharge passageway for said liquid along the bottom of said casing, a priming port opening against the side of the vanes of the impeller at a point spaced from the intakes to the impeller and communicating with said passageway, and a discharge opening to discharge liquid from the pump.

1,981,026
ELECTRIC DOOR CONTROL
Herbert Cady Blodgett, Hartford City, Ind., assignor to Door Control Company, Hartford City, Ind.
Original application March 16, 1928, Serial No. 262,309. Divided and this application August 10, 1931, Serial No. 556,200
7 Claims. (Cl. 268—59)



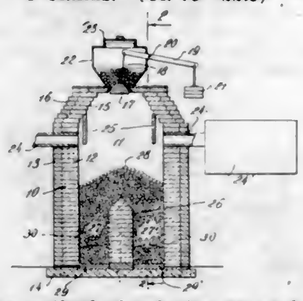
1. In combination, a door, an operating carriage therefor, a track, friction skids on said carriage slidable on said track, an electric motor with reversing coils carried by said carriage, an automatic cut-out and an automatic reversing switch, levers with projecting ends for operating

said switches, spring trips disposed along the track to actuate said levers to control the said reverse switch and to operate the cut-out switch, means for closing the circuit to start the motor to initiate the movement of said carriage to secure the operation and control of said automatic cut-out and automatic reverse switch, and a manually controlled cut-out switch in the power circuit.

1,981,027
TEXTILE PRINTING PROCESS AND COMPOSITION
Herbert Bradley Briggs, South Reddish, and Richard Walter Hardacre, Cheetham Hill, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 19, 1932, Serial No. 600,070. In Great Britain March 19, 1931
15 Claims. (Cl. 8—5)

1. A process for producing printed shades on material containing both cellulose esters and cellulose itself in regenerated or natural form wherein the material is printed with a paste comprising a direct azo dye and an alkali in the presence of a non-dyeing water-soluble aromatic nitro compound, which compound does not combine with the direct azo dye.

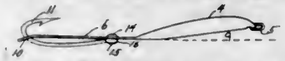
1,981,028
METALLURGICAL FURNACE
Earl Hamlin Bunce and Alfred Owen Ashman, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1930, Serial No. 475,690
8 Claims. (Cl. 75—22.5)



1. In the method of reducing an agglomerated charge of mixed zinciferous material and carbonaceous reducing agent confined in a vertically disposed retort, the minimum cross-sectional dimension of which is at least several times greater than the maximum cross-sectional dimension of the agglomerates, said agglomerates being present in a relatively large number and adapted to provide spaces between contacting agglomerates through which hot retort gases and liberated zinc vapor may freely pass, the improvement which comprises sub-dividing the body of agglomerates into at least two lower columns which merge with an upper column, and heating the agglomerates to their temperature of reduction by passing a current of electricity through the same.

1,981,029
ARTIFICIAL FISH LURE
Vernon H. Byus, Baltimore, Md.
Application March 30, 1933, Serial No. 663,601
3 Claims. (Cl. 43—42)

1. A spoon hook comprising a metal body having a forward portion and a portion extending rearwardly from the forward portion, the forward portion having a rounded front end and a part tapered rearwardly toward the extended portion, said forward portion being bent upwardly to form an angle with the extended portion and bent longitudinally to form converging flat side sections, said extended portion being



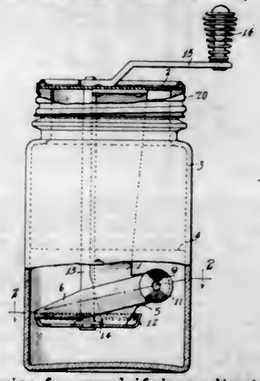
tapered rearwardly and having means thereon for securing a hook, said hook having its shank secured to a part of the extended portion adjacent the forward portion and its barb extending over the rear upper surface thereof, and means provided at the rounded forward end for connecting a trolling line thereto.

1,981,030
RADIATOR SHIELD OR COVER
Joseph P. Collins, St. Louis, Mo.
Application September 25, 1933, Serial No. 690,877
4 Claims. (Cl. 237—79)



1. A shield of the character described comprising a body member comprising a top section, having depending marginal flanges, supporting and spacing strips attached to the under side of the top section supporting strips likewise attached to the inner surface of an opposed pair of the flanges, all so arranged as to contact with the upper surface of the radiator for supporting the shield in a rigid nonshifting position, substantially as specified.

1,981,031
EMULSIFIER
David R. Davis, Los Angeles, Calif.
Application May 8, 1933, Serial No. 669,886
11 Claims. (Cl. 259—72)



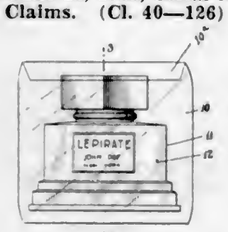
1. In a device for emulsifying a liquid, the combination of a frame having a part with a hard exterior surface to be immersed in the liquid, a vibrator in the form of a metallic leaf spring supported thereby, and a rotary member supported on said frame and having a series of projections for engaging the spring to deflect the same and operating to cause the vibrator to move rapidly and stop suddenly by striking against the projections thereby delivering hammer blows to the liquid between the impinging surfaces.

1,981,032

PERFUME SAMPLE

Carola de Peyster Kip, Jr., New York, N. Y., assignor to Harper's Bazaar, Inc., New York, N. Y., a corporation of New York

Application June 12, 1933, Serial No. 675,364
2 Claims. (Cl. 40—126)



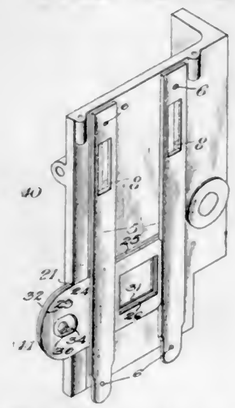
1. A perfume sample comprising in combination a flat transparent and hermetically sealed envelope, a paper sheet having an outline simulating a bottle and having the front thereof labeled to simulate a retail package of perfume, and a sheet of absorbent material attached to the front sheet impregnated with the perfume ordinarily carried in the retail package simulated by the front sheet.

1,981,033

APERTURE PLATE FOR MOTION PICTURE PROJECTION MACHINES

Augusto Dina, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware

Application September 12, 1928, Serial No. 305,386
7 Claims. (Cl. 88—17)



1. In a projecting machine or the like, the combination of a member having an aperture therein, a pair of film guides mounted on said member, an aperture plate adapted to fit in a recess between said guides and into said member, said plate having a depressed portion adapted to engage said guides, and a second plate adapted to be mounted back of said first plate to hold the first plate in engagement with the guides and to prevent its removal.

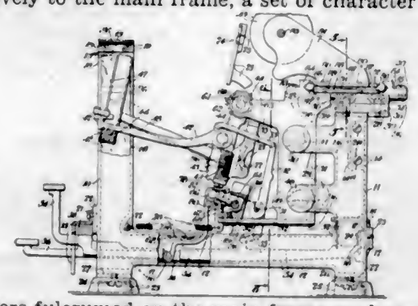
1,981,034

TYPEWRITING MACHINE

Carl Gabrielson, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a corporation of New York

Application June 1, 1933, Serial No. 673,849
38 Claims. (Cl. 197—186)

1. In a typewriting machine, the combination of a platen, a set of type carriers coactive with the platen to print, means supporting the platen and set of type carriers in working relation as a unit, a main frame from which said supporting means is suspended for universal movement relatively to the main frame, a set of character key



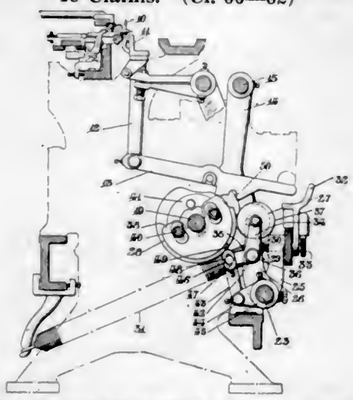
levers fulcrumed on the main frame, and operating connections between the set of key levers and the set of type carriers for selectively actuating the type carriers from the key levers to print.

1,981,035

LOOP REGULATING MECHANISM FOR FULL FASHIONED KNITTING MACHINES

Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application September 19, 1931, Serial No. 563,762
19 Claims. (Cl. 66—82)



1. In a knitting machine having loop-forming elements including knitting needles and associated sinkers and dividers, loop regulating means coacting with said loop-forming elements and adjustable to different positions for producing fabric loops of different predetermined lengths, and means coacting with said loop regulating means for modifying its action on the loop-forming elements to equalize the size of the loops respectively formed by the sinkers and dividers in each of said adjusted positions of the loop regulating means.

1,981,036

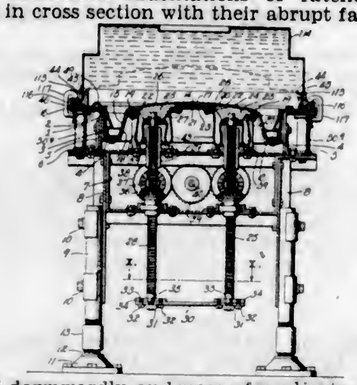
FORM APPARATUS FOR PRODUCING CONCRETE SLABS

Grover W. Gilleland, Parsons, Kans.

Application September 28, 1931, Serial No. 565,446
17 Claims. (Cl. 25—130)

1. A mold comprising an open rectangular frame disposed horizontally and providing upright walls and flanges projecting outwardly from the upper margins of said walls, a mold plate covering and supported on said flanges and provided with a hollow rib depending within and

near and paralleling the walls of said frame, plates resting upon the marginal portions of said mold plate and provided at their inner margins with flanges depending into said hollow rib adjacent the respective outer walls thereof and formed with horizontal indentations of ratchet-tooth form in cross section with their abrupt faces dis-



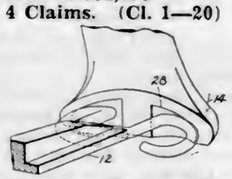
posed downwardly, and means for adjustment upwardly through the mold plate to lift therefrom a cement slab molded thereon and incidentally lift the said indented plates to permit them to be withdrawn laterally from engagement with ribs formed on the slab by the hollow rib and provided with external grooves by the indented parts of said plates.

1,981,037

FASTENING-INSERTING MACHINE

George Goddu, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application May 3, 1930, Serial No. 449,457. Divided and this application January 2, 1932, Serial No. 584,396
4 Claims. (Cl. 1—20)



1. A fastening inserting machine having a clenching anvil and means for inserting a fastening through a workpiece presented to the machine and clenching its entering end against the anvil, a cavity in the anvil having a concave clenching surface constructed and arranged to be struck by the end of a fastening at a point near the median line of the anvil, said surface increasing progressively in curvature both transversely and longitudinally of the clenching cavity toward the edge of the anvil and having the deepest part of the curve of said surface located out of the line of drive to cause the entering end of the fastening to be deflected toward the deepest part of said curved surface and toward the edge of said anvil in a three-dimensional curve, thereby clenching the entering end of the fastening substantially in the form of a helix.

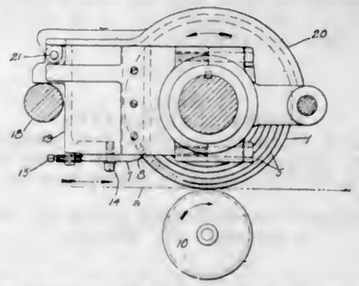
1,981,038

GLUER

Harold J. Goss, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of Maine

Application October 21, 1931, Serial No. 570,116
9 Claims. (Cl. 91—51)

1. A device of the character described comprising a rotary member having pockets which are open at the periphery of said member, the depth of a pocket being greater than twice the distance across its opening; and means to force adhesive



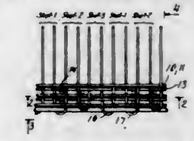
into said pockets; and means extending peripherally completely across each pocket to prevent the adhesive from by-passing.

1,981,039

SELVAGE MOTION FOR LOOMS

William B. Greaves, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York

Application January 27, 1932, Serial No. 589,114
8 Claims. (Cl. 139—55)



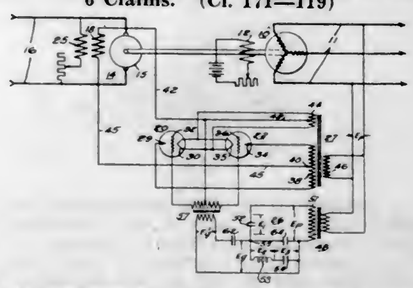
1. In a loom for weaving pile fabrics, including tube frames for inserting tuft yarns into the fabric, the combination of a transfer mechanism for removing the tube frames from their chains and lowering them to the fabric, and a mechanism for producing a selvage edge comprising means for supplying a selvage chord along the edge of the warp threads, and means for raising and lowering the chord independent of the means which control the warp shed, said raising and lowering means being actuated from the transfer mechanism.

1,981,040

REGULATING SYSTEM

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1932, Serial No. 642,418
6 Claims. (Cl. 171—119)



1. A regulating system comprising in combination with a circuit and means, utilizing an electronic tube, for adjusting the frequency of the voltage acting in said circuit, two capacitor

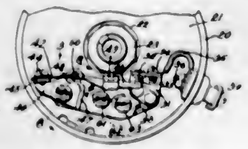
elements and an inductor element connected in series for energization by said circuit voltage, and means energized by the voltage appearing across the inductor element and one of said capacitor elements for impressing a wave of control potential upon said electronic tube.

1,981,041
IGNITION APPARATUS
Herman L. Hartzell, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 2, 1932, Serial No. 584,526
8 Claims. (Cl. 200—21)



1. A circuit interrupter comprising, in combination, a stationary mounting plate, a post attached thereto, a circuit breaker lever pivoted upon said post, a rubbing block carried by the lever, a rotary cam operating upon the rubbing block, a second pivot post provided integrally by the mounting plate and spaced substantially from the first post, a bracket pivoted upon the second post and supported by the mounting plate, cooperating interrupter contacts attached respectively to the lever and bracket, at least one of the contacts having a convex surface engaged by the other contact, eccentric means for moving the bracket about its pivot to change the relation of the engaging surfaces of the contacts and simultaneously changing the point at which the rubbing block of the lever engages the cam to vary the distance of separation of the contacts and means for securing the bracket to the mounting plate in a desired position of angular adjustment with respect to its pivot.

1,981,042
CIRCUIT BREAKER
Herman L. Hartzell, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 7, 1932, Serial No. 597,317
23 Claims. (Cl. 200—21)



2. A periodic circuit interrupter comprising, in combination, a rotary cam, a pair of cooperating, relatively stationary and movable contacts, a support for the stationary contact, a lever carrying the movable contact and a cam-engaging rubbing block, a leaf spring extending from said lever, a fulcrum member engaging the lever at the junction thereof with the leaf spring, a bracket pivotally supported for rotation about an axis substantially in alignment with said fulcrum and attached to the end of the spring, and means for securing the bracket in adjusted position.

1,981,043
COMPOSITION OF MATTER FOR MAKING A BUILDING UNIT
Arvid Hede, Detroit, Mich., assignor to Cinder Chrome Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 29, 1932, Serial No. 626,201
4 Claims. (Cl. 106—24)

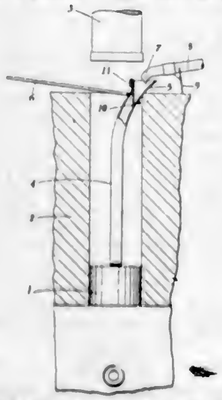
1. An artificial marble composition adapted for making building construction units, comprising a mixture of cement, marble dust and a mineral coloring ingredient, all made into a plastic composition by a solution of sodium silicate, boracic acid, casein and sal-ammoniac.

1,981,044
PROCESS OF MANUFACTURING ARSENATE OF ZINC AND THE PRODUCT
Oscar F. Hedenburg, Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio
No Drawing. Application December 29, 1932, Serial No. 649,331
8 Claims. (Cl. 23—53)

3. The process of manufacture of arsenate of zinc consisting in dissolving and suspending in water the combining equivalent of zinc oxide in which has been dissolved 1% of the weight of the zinc oxide of sodium hydroxide, and gradually adding thereto the combining equivalent of arsenic acid solution.

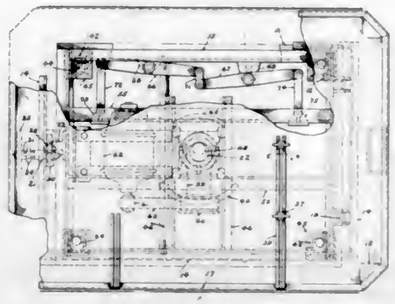
7. Basic arsenate of zinc in finely divided form produced by the action of arsenic acid on a suspension of zinc oxide in the presence of sodium hydroxide.

1,981,045
METHOD AND APPARATUS FOR THE EXTRUSION OF LEAD AND OTHER METALS
Harry Hill, Kent, England, assignor to Callender's Cable and Construction Company Limited, London, England, a British Company
Application September 24, 1932, Serial No. 634,634
In Great Britain November 9, 1931
5 Claims. (Cl. 207—10)



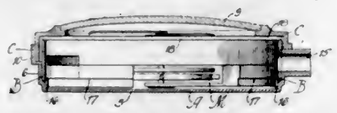
2. The method of introducing molten metal into a container onto the top surface of a solidified charge therein, which comprises simultaneously discharging the metal downwardly and laterally over a plurality of successive small areas of the surface of the solidified charge.

1,981,046
GRAINING MACHINE
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, temporary trustee
Application October 20, 1930, Serial No. 489,898
8 Claims. (Cl. 51—6)



1. In a graining machine, a frame comprising a fixed member and a movable member adapted to support a box, a pair of levers having pivotal connections secured to one of the frame members, a connecting link between the levers and connecting links between each lever and the other frame member.

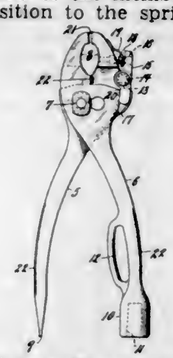
1,981,047
WATCHCASE
Ellison S. Irelan, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application May 25, 1934, Serial No. 727,481
3 Claims. (Cl. 58—88)



1. A watch case in which is comprised a back having a marginal flange, a movement ring fitted within and extending beyond the back flange, a bezel having a flange extended over the movement ring to meet the back flange, a snap-lock connection between the bezel flange and the movement ring, and a seat ring fitted within the back to the inside of the movement ring furnishing a support for the shoulder of a movement which is accommodated within the case.

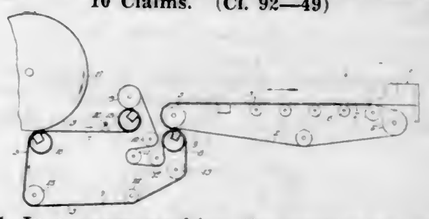
1,981,048
COMBINATION TOOL
George Keller, Philadelphia, Pa.
Application April 30, 1934, Serial No. 723,216
1 Claim. (Cl. 164—120)

A device of the class described comprising a pair of members pivotally connected intermediate their ends, the members being provided respectively with a lug and a cam, a lever pivotally connected to the lug and having a die orifice in one end, a die on the member bearing the lever, a spring and a resilient stripper member carried by the member bearing the lever, and engaged respectively with the opposite ends of the lever and on opposite sides thereof, said cam being adapted to engage one end of the lever during actuation of the members to swing the lever in opposition to the spring and stripper



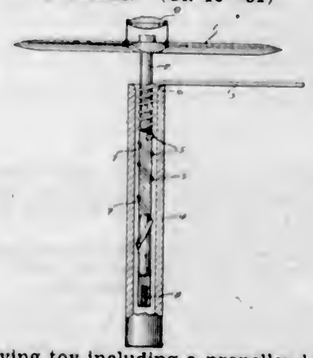
member simultaneously, as and for the purpose set forth.

1,981,049
PAPER MAKING APPARATUS
William R. Kellett, Menasha, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application June 6, 1932, Serial No. 615,604
10 Claims. (Cl. 92—49)



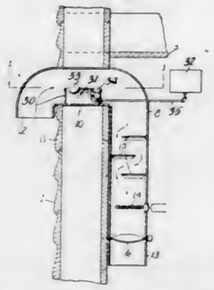
1. In a paper machine, the combination of a forming wire, a pick-up felt, a pick-up suction roll cooperating with said felt to pick up the web from said wire, a drier, and a suction roll for transferring the web from the felt to the drier, the arrangement being such that the moisture content of the web and felt is substantially maintained constant in the forward reach between the pick-up and transfer points.

1,981,050
FLYING TOY
Walter R. Lee, Ocala, Fla.
Application April 6, 1934, Serial No. 719,242
4 Claims. (Cl. 46—51)



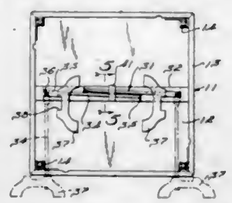
1. A flying toy including a propeller-blade and a shaft secured thereto and means associated with the shaft to aid in winding of the propelling cord in a helix of decreasing pitch.

1,981,051
VENTILATING SYSTEM
John Leeuw, Zeeland, Mich.
Application June 19, 1930, Serial No. 462,170
2 Claims. (Cl. 98—37)



2. In a ventilating system, the combination of a wall having a transverse opening, an air inlet conduit disposed in said opening and having a short downturned inlet and an elongated downturned outlet, a water pan disposed in the bottom of the portion of the conduit passing through said opening, a series of staggered baffles arranged in said outlet, and a heater in said outlet below said baffles.

1,981,052
COMBINED TABLE AND SCREEN
Louis Lehner, Memphis, Tenn.
Application April 11, 1934, Serial No. 720,004
7 Claims. (Cl. 311—3)

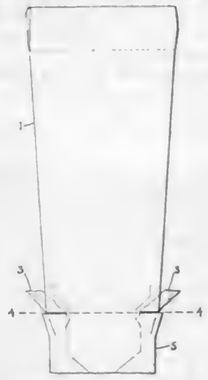


1. The combination with an element having a flat surface, of legs at each corner thereof disposed to fold along the sides of the element, of additional legs pivoted to the element and disposable to engage one side thereof for supporting the element in vertical position.

4. The combination with a table top, of legs for retaining the top in horizontal position, means for folding said legs in a plane adjacent to the plane of the top, rods carried by said top, feet on said rods, said rods and feet being movable so as to have the feet engage an edge of the top for supporting the top in vertical position.

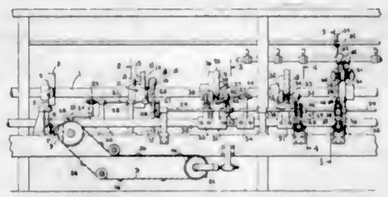
1,981,053
METHOD OF MAKING STOCKINGS
Karl R. Lieberknecht, Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y., a corporation of New York
Application November 11, 1933, Serial No. 697,554
In Germany August 24, 1933
1 Claim. (Cl. 66—187)

The method of knitting a stocking having a French heel and foot which consists of knitting the leg as far as the beginning of the heel tabs, then interrupting the knitting of the instep but retaining the instep loops upon the needles, then knitting the heel tabs, then resuming the knitting of the instep and simultaneously knitting the foot as far as the toe, then removing the fabric from the legger and topping it onto a foot-



er and knitting the diamond toe to complete the stocking.

1,981,054
AUTOMATIC LOOP REGULATING MECHANISM FOR FULL FASHIONED HOSIERY MACHINES
Karl R. Lieberknecht, Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y., a corporation of New York
Application November 11, 1933, Serial No. 697,556
In Germany March 13, 1933
3 Claims. (Cl. 66—82)

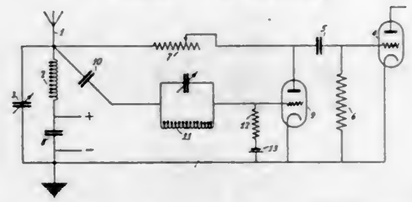


1. In a flat knitting machine having a main cam shaft provided with a multiplicity of loop length varying cams spaced along it, a rockable loop regulating shaft, rock arms on said loop regulating shaft corresponding in number to said cams and a roller on each of said rock arms slidably engageable with the corresponding cam; means for shifting each of said rollers into and out of engagement with its respective loop length varying cam consisting of a shifting linkage between each of said rollers and a corresponding operating means on an auxiliary cam shaft positioned at the front of the machine adjacent said rollers on said rock arms and so as to be readily accessible and observable, and means for rotating said auxiliary shaft in timed relation to the knitting.

1,981,055
SULPHUR COLORS
John T. Linster, Horace B. Pray and Herbert A. Lubs, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 7, 1933, Serial No. 674,713
10 Claims. (Cl. 260—24)

1. A process for producing sulphur dyes which comprises heating meta-toluylene-diamine sulphur, a dibasic carboxylic acid and an amine of the diphenyl series.

1,981,056
METHOD OF NEUTRALIZING DISTURBING ELECTRIC WAVES
Gerhard Lohrmann, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application July 8, 1927, Serial No. 204,160
In Germany July 31, 1926
7 Claims. (Cl. 250—20)



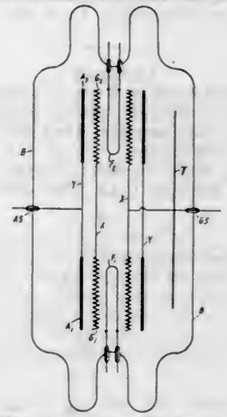
1. A circuit arrangement for neutralizing interfering waves in receiving apparatus having an input circuit comprising a three electrode discharge tube, a resistance in the plate circuit of said tube and directly connected in said input circuit, and means for varying the potential drop across said resistance in reverse phase to interfering signal potential drops across said resistance so that the potential of the interfering waves is counteracted.

1,981,057
KNITTED FABRIC
Vincent Lombardi, Brooklyn, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Application October 29, 1931, Serial No. 571,711
14 Claims. (Cl. 66—201)



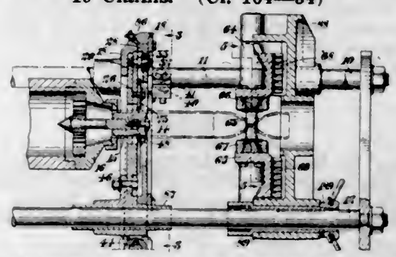
10. A knitted fabric comprising yarns formed in one portion into small undistorted loops in a plurality of wales and rows, said yarns in one wale forming a series of drop stitches for many rows, said portion comprising a plurality of additional yarns, each additional yarn for several wales adjacent said one wale being carried along one of said rows without forming any of said small loops but being loosely enmeshed in the loops of said first yarns in the rear of the fabric, each additional yarn in its passage across said one wale forming a long loop lying in the front of the fabric upon the bridging yarns resulting from a plurality of said drop stitches, the long loops of said additional yarns in said one wale forming an uninterrupted series of interknitted long loops tied into the knitting of the main fabric only at the beginning and end of said series to prevent a run due to said drop stitches.

1,981,058
THERMIONIC VALVE
Guglielmo Marconi, Strand, London, and Charles Samuel Franklin, Buckhurst Hill, England, assignors to Radio Corporation of America, a corporation of Delaware
Application October 14, 1926, Serial No. 141,599½
In Great Britain October 14, 1925
13 Claims. (Cl. 250—27.5)



8. A high frequency oscillator comprising a vessel containing a radio oscillating circuit, and a substantially straight linear radiating element mounted within said vessel.

1,981,059
METHOD OF CUTTING TUBES INTO LENGTHS AND APPARATUS THEREFOR
Frank Courtenay Matthews, Frederick Edward Brown and John William Henry Pengelly, London, England, assignors to The India Rubber, Gutta Percha and Telegraph Works Company Limited, London, England, a British company
Application May 2, 1933, Serial No. 669,042
In Great Britain May 9, 1932
19 Claims. (Cl. 164—34)



12. Apparatus for cutting a tube into lengths, comprising in combination a frame, two cutters in the form of press dies mounted on said frame to reciprocate towards and away from one another at opposite sides of the tube or of a length cut therefrom, and cutter-actuating means for advancing the press dies towards and retracting the same away from the tube or tube-length, which press dies are arranged, when actuated, to pinch and thereby close the tube or tube-length and sever or substantially sever it, which two press dies are bevelled along curved lines to enable them to press together the contiguous edges of severed or substantially severed portions of the tube to effect sealing of the said edges, and each is provided with an edge which forms, with the aforesaid bevel, a cutting edge to bite away the portions of the tube that are not intended to remain

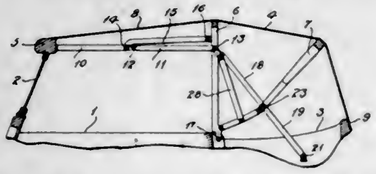
part of the finished blank, which dies are so formed and arranged that the tube between them can be bitten between its ends and severed or substantially severed to provide on the bitten edges, at the adjacent ends of the severed portions, a convex periphery; each of which press dies has two convex cutting edges which lie close together in reversed positions with their concavities facing in opposite directions so that, as viewed in plan, they substantially form an X.

1,981,060

TOP CONSTRUCTION FOR A VEHICLE BODY

Julius C. Miller, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 21, 1933, Serial No. 676,863
2 Claims. (Cl. 296—116)



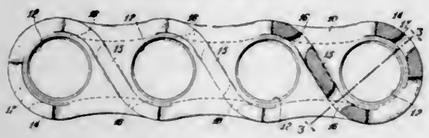
1. A collapsible top for an automotive vehicle or the like, comprising a bow having a pivotal connection with the body, a detachable windshield header, a downwardly breakable cant rail connecting the header to the said bow including a lever extending forwardly at substantially a right angle from the bow and having a pivotal connection with the bow between the ends of the said lever, a pair of links having their adjacent ends pivotally connected and their opposite ends pivotally connected respectively to the said bow and to the body at the rear of the bow to form a collapsible brace for the said bow, a pair of toggle links one of which has a pivotal connection with the aforesaid links and the other of which has a pivotal connection with the bow located between the pivotal connection of the bow with the body and the pivotal connection of the bow and the cant rail, and a link connecting the end of the cant rail lever with the said toggle whereby the breaking of the cant rail controls the collapsing of the bow.

1,981,061

RETURN BEND

Arthur H. Moorhead, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas

Application January 24, 1934, Serial No. 708,056
5 Claims. (Cl. 137—76)



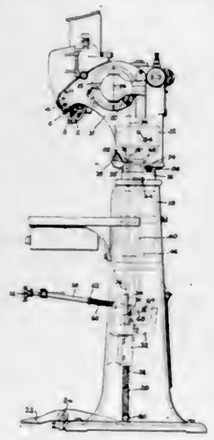
1. A return bend comprising a hollow member, the opposite longitudinal sides whereof are provided with a plurality of aligned openings, the openings in one side being tube end receiving openings while those in the opposite side are clean out and closure-plug receiving openings, and yoke or toggle holding means disposed transversely of the hollow member and extending between the perimeters of the openings and the adjacent edges of said member.

1,981,062

SHOE MACHINE

Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application July 25, 1927, Serial No. 208,116. Divided and this application December 20, 1932, Serial No. 648,074
17 Claims. (Cl. 112—258)



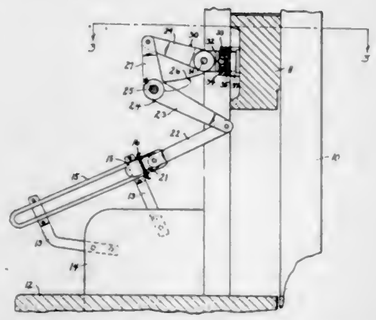
1. A shoe machine having, in combination, a machine column adjustable to the height of the operator, a head, devices for operating on a shoe mounted in the head, a treadle mounted in the column, a treadle rod for controlling said devices from the treadle, and means for simultaneously adjusting the length of the column and the treadle rod.

1,981,063

SAFETY DEVICE FOR PAPER CUTTERS

Andrew T. Moyer, Jenkintown, Pa.

Application December 15, 1933, Serial No. 702,469
4 Claims. (Cl. 74—615)



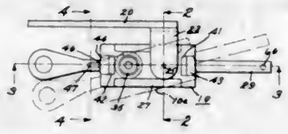
1. In a device of the character described, a machine having an element which moves vertically and horizontally during an operating stroke, guides at the sides of the machine, a buffer bar slidably mounted in said guides, another guide mounted on said element for movement therewith, a carriage operatively mounted in said last named guide, a forked lever pivoted to said carriage, pivoted bell crank levers having portions pivotally connected with the arms of the forked lever, and links pivoted to the bell crank levers and the buffer bar.

1,981,064

ELECTRIC SWITCH

Harry E. Norviel, deceased, late of Anderson, Ind., by Anderson Banking Company, executor, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 13, 1932, Serial No. 605,092
9 Claims. (Cl. 200—59)



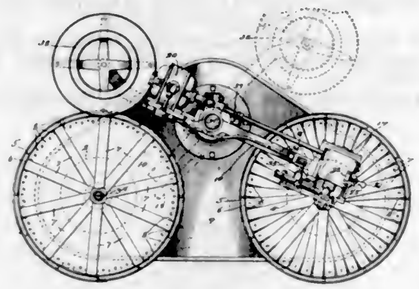
1. An electric switch comprising in combination; a supporting bracket having a pair of projections of equal length; a housing pivotally supported by said projections, said housing inclosing a circuit closing means in which said housing comprises a pair of insulating blocks, each block pivoted upon an end of said projections; end members for securing said blocks together; and means extending through said housing and slidably supported by said end members for operating said switch structure.

1,981,065

MACHINE FOR MAKING BUSHEL BASKET BLANKS OR MATS

Walter F. Newhouse, Benton Harbor, Mich.

Application July 21, 1932, Serial No. 623,778
14 Claims. (Cl. 1—13.6)



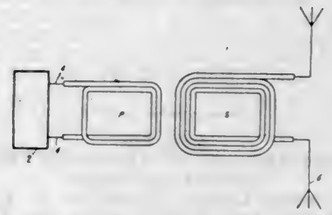
1. In machinery for stapling materials together, the combination of a body, a plurality of stationary supports rigid at all times with said body and arranged in fixed relation to each other and upon which the materials are assembled to receive the staples, held in fixed position to prevent movement of the assembled materials while being fastened together, a stapler head, and instrumentalities whereby said stapler head is movable back and forth from one stationary support to the other, thereby adapted to co-operate first with one fixed support and then the other in stapling the stationary materials together, whereby the materials are held stationary and the stapler is movable to insert the desired number of staples, said supports comprising rigidly connected assembly tables having means for positioning the materials thereon, each table having a clinch block at the center thereof, whereby said stapler head is operative to insert a single staple through the center of each assembly of materials, and to clinch the staple points on the under side of the work.

1,981,066

HIGH FREQUENCY COUPLING APPARATUS

Mendel Osnos, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 8, 1931, Serial No. 542,731
In Germany June 20, 1930
4 Claims. (Cl. 175—359)



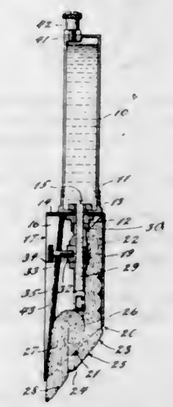
1. In a system for transforming high frequency currents comprising a transformer especially adapted for short waves, having primary and secondary low loss coils, each of said coils comprising a hollow quartz tube filled with an ionized gas, an input circuit coupled to electrodes of the primary coil, and an output circuit connected to electrodes of the secondary coil.

1,981,067

FOUNTAIN PAINTBRUSH

Maylech Pilgrim, New York, N. Y.

Application January 29, 1934, Serial No. 708,756
6 Claims. (Cl. 15—138)

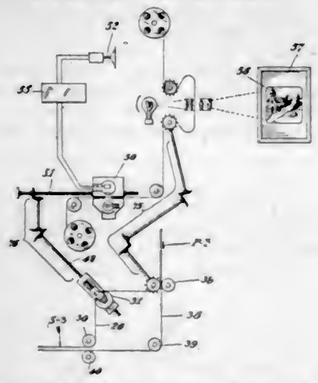


1. A fountain brush comprising a reservoir adapted to serve also as a handle, and an applicator connected therewith and characterized by a scoop-shaped member having a closed end provided with a port in communication with, and adapted to convey fluid from, said reservoir to the body cavity of said applicator, the other end of said applicator having a mouth defined by upright side walls and a flat lip, and an applicator brush member formed of absorbent material having a body portion occupying a substantial portion of said body cavity, and a tongue portion protruding over said lip and adapted to be trailed over the surface to be treated, said fountain brush being further characterized by having said felted applicator member constituted by a block of felt cleft rearwardly to receive fluid from said reservoir port and by having a conduit extending directly from said reservoir port into said cleft.

1,981,068
SOLUTION PURIFICATION
Oliver C. Ralston and Fay H. Miller, Clarkdale, Ariz., assignors to United Verde Copper Company, a corporation of Delaware
No Drawing. Application June 2, 1931, Serial No. 541,632
11 Claims. (Cl. 23—125)

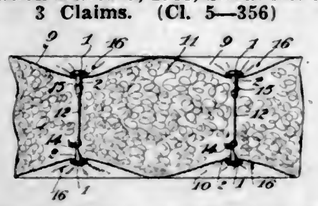
1. The method of removing cadmium from a zinc salt solution which comprises establishing in the solution an amount of copper equivalent to not less than about 0.12 gram and not more than about 1.0 gram per liter of solution, and subjecting the resulting solution to the action of metallic zinc.

1,981,069
COORDINATION OF MOVING PICTURES AND SOUND RECORDS
George Ramsey, Brooklyn, N. Y.
Application July 8, 1929, Serial No. 376,713
9 Claims. (Cl. 88—16.2)



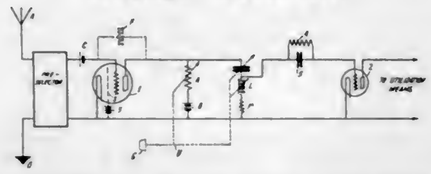
1. The method of producing standard synchronized exhibitional moving picture and sound records from unsynchronized original records comprising reproducing visual pictures and audible sounds from said original records, adjusting the relation between the picture reproducing device and the sound pick-up device to obtain synchronism, and reproducing a new record from the original record and utilizing said adjustment to cause the reproduced record to maintain a constant predetermined standard synchronized relation between the picture record and the sound record.

1,981,070
TUFTING ANCHOR
Henry V. Rau, Amityville, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a corporation of New York
Application March 9, 1933, Serial No. 660,142
3 Claims. (Cl. 5—356)



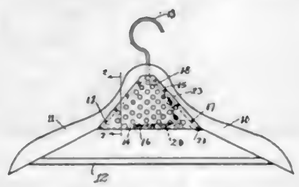
2. A tufting anchor comprising a cylindrical stem with a recess in one side thereof, a head on one end of said stem, a full cylindrical portion of said stem between said head and said recess, the end of the recess adjacent the head having an inclined wall with the inclination being toward said head, the other end of said stem being provided with an opening leading to said recess.

1,981,071
AMPLIFIER CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 14, 1931, Serial No. 529,931
10 Claims. (Cl. 179—171)



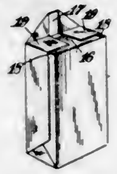
1. An electrical amplifier circuit comprising, in combination, a space discharge device including at least an anode, a cathode, a control electrode and having a high mutual conductance, an input circuit for said tube associated with said control electrode, an anode circuit connected between said anode and cathode and including a series resonant path in series in the anode circuit, and a variable resistance in shunt with said path, and a common means for adjusting said resistance and path resonance in such a manner that a constant high amplification characteristic is maintained throughout a predetermined resonance range of said path.

1,981,072
COMBINATION CLOTHES HANGER AND CAMPHOR HOLDER
Max Roman and Joseph Roman, Brooklyn, N. Y., assignors of one-third to Isidor Solomon, New York, N. Y.
Application May 8, 1933, Serial No. 669,840
5 Claims. (Cl. 223—61)



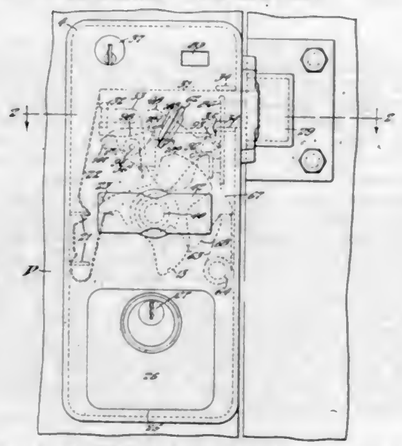
1. In a combination clothes hanger and camphor holder, support members for engaging the shoulder portions of a garment and inclined to each other, a perforated member for forming a compartment for camphor and comprising a front wall, a rear wall, and a bottom connecting wall between said front and rear walls, said perforated member being for attachment along the free edges of said front and rear walls upon the bottom sides of the junction of said support members and formed with an opening for the insertion of camphor into said compartment, and means for closing said opening comprising a bent strip having a portion extending over said opening and doubled upon itself and terminating in a bent finger and engaging against the under side of said support member for resiliently urging the portion of the strip over the opening into a closed position, and means for holding the free end of the portion of said strip which extends over said opening upon the material of said member.

1,981,073
PACKAGE
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England
Application August 24, 1932, Serial No. 630,289
In Great Britain September 8, 1931
1 Claim. (Cl. 229—87)



The method of closing the open end of a block-ended bag of the type described which comprises the steps of first folding the projecting central part of the inner portion of the wrapper on to the exposed end of the contents of the bag, then folding the projecting triangular corner parts of the inner portion of the wrapper and the projecting rectangular corner parts of the outer portion of the wrapper on to the said folded central part of the inner portion of the wrapper and securing them in position with adhesive and finally folding the remaining projecting central part of the outer portion of the wrapper on to the said folded parts of the wrapper, and securing it in position with adhesive.

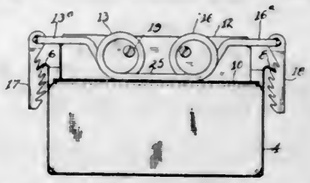
1,981,074
COIN CONTROLLED LOCKING MECHANISM
Frank J. Rowse, Pawtucket, R. I.
Application May 20, 1932, Serial No. 612,416
23 Claims. (Cl. 194—83)



1. In a lock, the combination of coin-controlled mechanism, a bolt adapted to be drawn by said mechanism, and adjustable means on the bolt for operatively connecting the bolt and the mechanism.

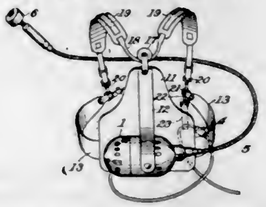
1,981,075
HAM BOILER
Norman M. Samuel, Toronto, Ontario, Canada
Application October 21, 1933, Serial No. 694,596
In Canada January 4, 1933
12 Claims. (Cl. 100—57)

1. In a ham boiler, the combination of a receptacle; a cover adapted to slide within the receptacle for compressing the ham; a coil spring mounted on the cover; a brace plate extending longitudinally of the cover and substantially centrally thereof; a horizontal shaft projecting from said brace plate and positioned within the spring permitting limited vertical movement of the



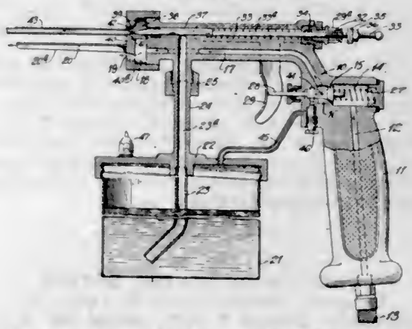
spring; an outwardly extending arm on said spring; a ratchet member pivotally connected to the end of said arm; and means on said receptacle engageable by the ratchet member.

1,981,076
PORTABLE MOTOR
Stanley N. Sells, Columbus, Ohio
Application June 1, 1931, Serial No. 541,277
Renewed April 12, 1934
3 Claims. (Cl. 224—5)



1. A shoulder harness comprising a back engaging plate, a shoulder strap having the intermediate portion thereof movably connected with the upper portion of said plate, resilient spaced waist engaging clamps connected with said plate and engaging the body of the wearer, and flexible connections between the outer ends of said strap and said waist clamps.

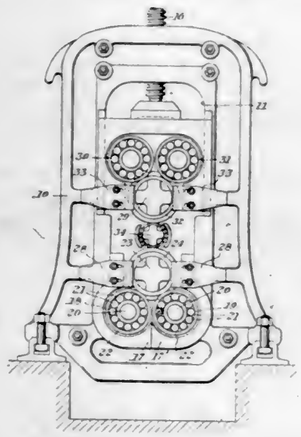
1,981,077
SPRAY GUN
Bert W. Shields, Chicago, Ill., assignor to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois
Application April 28, 1933, Serial No. 668,341
7 Claims. (Cl. 299—89)



1. In a spraying device of the class described, a body, a tube secured thereto, a container for liquid, a passage connecting said container with the tube, a valve in said passage, means for forcing liquid from the container to said passage, a plate underlying said tube and spaced therefrom, and means for directing a stream of air beneath

the plate so that as drops of liquid issue from the tube they fall into the stream of air and are broken up and dispersed by it.

1,981,078
ROLLING MILL
Barton R. Shover, Pittsburgh, Pa.
Application August 7, 1931, Serial No. 555,663
8 Claims. (Cl. 80—38)



1. In a two-high mill, the combination with a top roll having an axial anti-friction bearing for supporting each end thereof, and a bottom roll having a pair of anti-friction bearings offset laterally and vertically from the axis of the roll for supporting each end thereof.

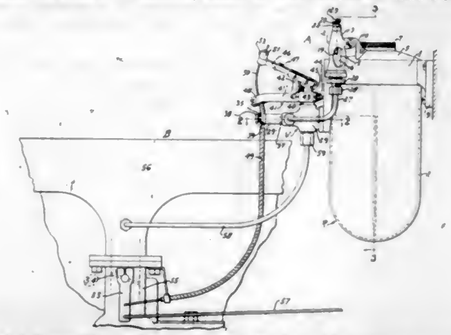
1,981,079
APPARATUS FOR HANDLING ROLLED MATERIAL
Barton R. Shover, Pittsburgh, Pa.
Application May 7, 1932, Serial No. 609,832
6 Claims. (Cl. 80—42)



1. The combination with a cooling bed, means for delivering strip material thereto, and driving means for effecting sidewise movement of the material along the bed, of means actuated by said delivery means for controlling the said driving means, and means actuated by material advancing to the delivery means effective to cause said means to grip the material.

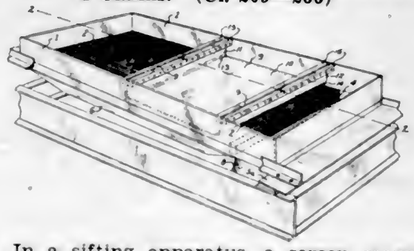
1,981,080
VACUUM OPERATED DEVICE
Joseph E. Simmermann, St. Louis, Mo.
Application August 3, 1931, Serial No. 554,659
15 Claims. (Cl. 123—196)

15. In an internal combustion engine, an intake manifold, a carburetor, a throttle valve for said carburetor, a control for operating said throttle valve, a suction operated device, a suction conduit leading from said intake manifold to said suction operated device, a valve for controlling the extent of the suction in a portion of said suction conduit, and a connection between



said throttle valve control and said suction controlling valve.

1,981,081
SIFTING APPARATUS
Lowe E. Simpson, Cincinnati, Ohio
Application June 22, 1931, Serial No. 545,961
4 Claims. (Cl. 209—266)



1. In a sifting apparatus, a screen mounted for alternate movements in the general direction of extent of its effective screening surface, mountings above said surface, spaced in said general direction, means whereby said mountings have alternate movements in said general direction, and a flexible structure with remote portions connected to said mountings to move therewith and with an intermediate sheet portion disposed over said screening surface, the total flexing length of said structure between said mountings being in excess of the distance between said mountings plus the distances of the respective mountings from said screening surface, permitting said intermediate portion to have a free slipping movement along said screening surface incident to the movements of said screen and said mountings, for action on material passing under said intermediate sheet portion substantially as set forth.

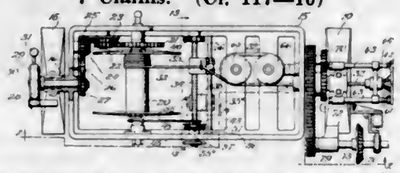
1,981,082
HANDLE FOR KITCHEN OR CAMP IMPLEMENTS OR UTENSILS
Benjamin H. Smith, Niles, Mich., assignor to Michigan Wire Goods Company, Niles, Mich.
Application August 30, 1934, Serial No. 742,093
9 Claims. (Cl. 30—5)

9. In a utensil, the combination of an elongated shank handle member composed of a single piece of wire bent upon itself to provide substantially parallel reaches, the ends of the wire constituting the shank member being extended to provide the tines of a fork, the bight end being conformed to provide an eye disposed at an angle to the reaches, the eye being extended to provide a finger piece, and an elongated handle extension member composed of a single piece of wire bent upon itself to provide substantially parallel reaches, the bight end being conformed to provide an eye disposed at an angle to the reaches, the eye of the shank handle member slidably embracing the reaches of the handle ex-



tension member, the eye of the handle extension member slidably embracing the reaches of the shank handle member, the reaches of the handle extension member being laterally offset adjacent the eye thereof to provide spring members with which the eye of the extension handle member coacts when the handle is extended.

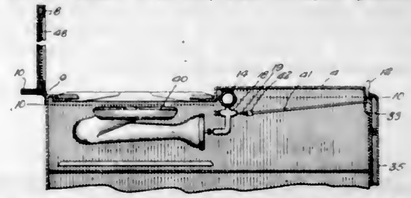
1,981,083
WIRE ROPE AND CABLE MAKING MACHINE
William E. Somerville, Coal City, Ill.
Application March 25, 1931, Serial No. 525,201
7 Claims. (Cl. 117—16)



1. In a machine for making wire rope or cable, the combination of a rotatable cradle, a reel mounted upon the cradle and upon which reel the cable is wound, means for rotating the cradle, a guiding member upon the cradle for guiding the cable to the reel, means for reciprocating the guiding member in directions lengthwise of the axis of said reel, and a counterbalancing member upon the cradle movable in directions lengthwise of the axis of said reel and in opposition to the said guiding member for balancing the reel and cable and said guiding member with respect to the reel.

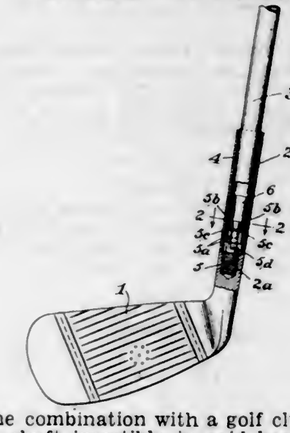
1,981,084
GAS OR ELECTRIC COOKING STOVE AND RANGE
Jacob Teller, New Rochelle, and Arthur P. Schulz, New York, N. Y., assignors to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York
Application December 14, 1931, Serial No. 580,946
8 Claims. (Cl. 126—39)

3. In a cooking range, a range body, a cooking top, a stationary panel extending across the range body at the front thereof, said panel having a plurality of recesses in its face, gas valves arranged to the rear of said panel and having valve stems extending into said recesses, a panel hinged along the edge of said stationary panel, handles for said stems movable in a plane parallel with the stationary panel and to the rear of the front plane thereof, said hinged panel be-



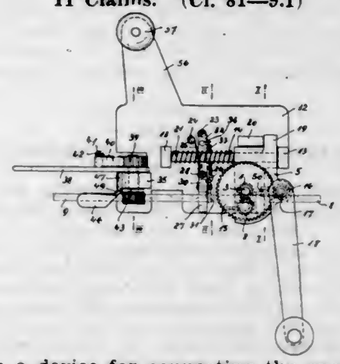
ing movable over said stationary panel and said handles to conceal the same when said hinged panel is closed against the said stationary panel.

1,981,085
GOLF CLUB
William Tyler Aldrich, Springfield, Mass., assignor to A. G. Spalding & Bros., Chicopee, Mass., a corporation of Massachusetts
Application October 2, 1930, Serial No. 486,011
21 Claims. (Cl. 273—80)



1. The combination with a golf club head of a tubular shaft insertible in said head, abutment means within the lower end of said tubular shaft, and yieldable dog means anchored and housed within the hosel at the lower part thereof and engageable with said abutment means.

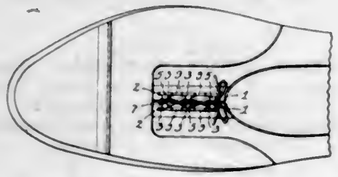
1,981,086
DEVICE FOR UNITING PACKAGE AND BALE HOOPS
Johann Beauvisage, Cologne, Germany
Application July 23, 1932, Serial No. 624,337
In Germany May 23, 1932
11 Claims. (Cl. 81—9.1)



1. In a device for connecting the overlapping ends of package bindings formed of metal bands,

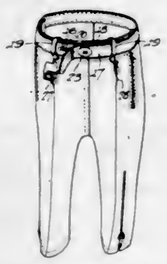
in combination with means for securing and tightening the band ends, a crank handle, two rolling tools arranged adjacent each other with parallel axes, oppositely rotatable by means of the crank handle and having protrusions and cavities on their peripheries adapted to longitudinally fold and clench the metal bands.

1,981,087
SHOE LACING EYELET
James A. Brent, Olympia, Wash.
Application July 26, 1932, Serial No. 624,820
Renewed May 14, 1934
6 Claims. (Cl. 24—145)



1. A lacing eyelet having a staple attached at an edge thereof and extending in opposite directions therefrom, said eyelet being of approximately spherical shape and having a circular bore which is longitudinally curved.

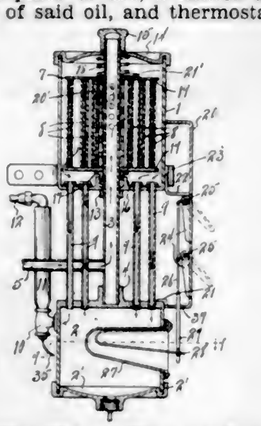
1,981,088
CHILD'S LEGGING AND SKI PANTS
Samuel J. Buchman, New York, N. Y.
Application May 11, 1934, Serial No. 725,169
4 Claims. Cl. 2—227)



1. A garment composed of four pieces of fabric, said pieces being divided into pairs and stitched together to form a front and a rear member, the latter having a drop-seat formed in the upper edge thereof, the juncture at the waist-line of the front member and where it joins the rear member at the top being provided with two pleats directly in line with the seams of the two members, one upon each side of the front center of the garment.

1,981,089
APPARATUS FOR RECONDITIONING USED OILS
Jesse J. Carpenter, Fort Worth, Tex.
Application August 31, 1933, Serial No. 687,653
6 Claims. (Cl. 210—43)

1. In an apparatus for reconditioning used oils consisting of a filtering chamber and a settling chamber, cooling tubes interposed between said chambers and interconnecting the same, a hood carried by said chambers and adapted to direct a cooling medium around said tubes, means for directing oil through said filtering chamber, tubes, and into said settling chamber and directing the same to the place of use, a heater disposed in the passage of said oil, and thermostatic means



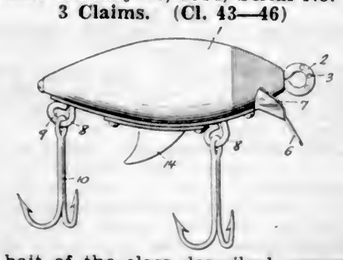
for permitting the cooling medium to pass through said hood and control said heater.

1,981,090
METHOD OF AND MACHINE FOR APPLYING METAL SPRING COVERS
John M. Christman, Detroit, Mich., assignor, by mesne assignments, to Ajax Spring Stabilizer Company, Chicago, Ill., a corporation of Illinois
Application July 14, 1930, Serial No. 467,896
31 Claims. (Cl. 153—1)

1. The method of applying metal covers to laminated automobile springs comprising, placing a plurality of sections of spring cover on a spring, flexing the spring to hold the sections between the spring and an anvil and the individual leaves in close proximity throughout their length and securing the sections tightly onto the spring.

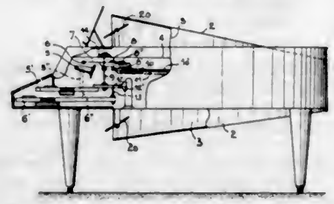
10. A machine for applying metal spring covers to laminated vehicle springs comprising in combination, a runway, a fixture movable along said runway and adapted to hold a spring with cover sections applied thereto, a compression device to flex the spring on the fixture, a carriage guide above said runway, a stop beneath said guide for said fixture, a carriage movable on said guide and crimping means for said cover sections on said carriage.

1,981,091
ARTIFICIAL BAIT
Charles A. Clark, Springfield, Mo.
Application January 16, 1934, Serial No. 706,877
3 Claims. (Cl. 43—46)



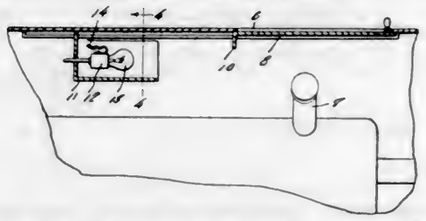
1. A bait of the class described comprising a body, a plate connected with the bottom thereof and having a forwardly and downwardly bent front end arranged adjacent the front end of the bait, with upwardly and outwardly extending wings on the upper portion of said bent part, the upper ends of the wings contacting the front part of the body, and a fin depending from the body.

1,981,092
MUSICAL INSTRUMENT
Georges Cloetens, Brussels, Belgium
Application June 25, 1932, Serial No. 619,321
In Belgium September 30, 1931
10 Claims. (Cl. 84—189)



1. In musical instruments provided with vibratory sound generating mechanisms, disposed in sound boxes provided with openings, additional rigid sound guiding partitions of non-vibratory material, disposed opposite said openings in fixed relation to and gradually spaced away from said instrument, and adapted to guide the sounds produced in an enclosed space of continuously increasing section open at one end and formed between the instrument and said partitions.

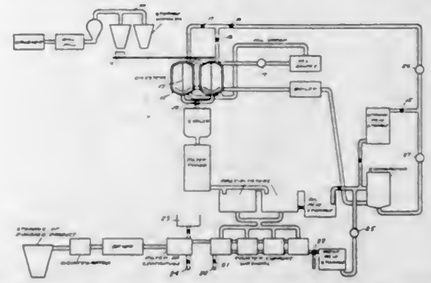
1,981,093
AUTOMOBILE ENGINE HOOD
Grace Allen Conarroe, Calhan, Colo.
Application December 29, 1933, Serial No. 704,585
1 Claim. (Cl. 240—7.1)



In combination, an engine crank case oil filler spout, an engine hood having the side thereof adjacent said spout provided with an opening, a slidable closure for said opening, a lamp for illuminating the spout, a socket mounted on the inside of said hood to receive the lamp, said socket having a current supply connected at one side and a spring contact connected to the other side, said closure being provided with a projection adapted to engage said spring contact when in open position to ground the lamp.

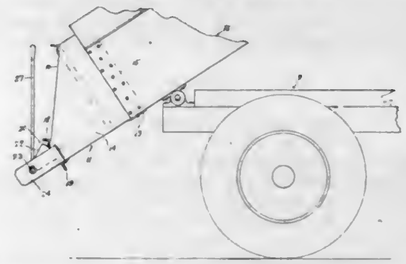
1,981,094
PROCESS FOR THE PRODUCTION OF BARIUM SULPHATE
Alexander L. Duval d'Adrian, Alton, Ill., assignor to Ingram & Duval, Inc., Baltimore, Md., a corporation of Maryland
Application May 18, 1931, Serial No. 538,189
14 Claims. (Cl. 23—122)

1. The process of purifying a mineral substance of the alkaline-earth group, which consists in subjecting said substance, in a closed container, to the action of concentrated sulphuric acid to cause a solution of the substance, circulating hydrochloric acid through the sulphuric acid and substance to be dissolved, effecting such circulation in a closed circuit including the said container, maintaining the temperature of said container to



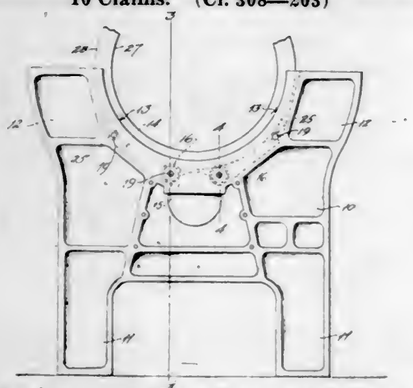
at least the boiling point of water, filtering the treated solution of the said substance, and diluting the treated solution for precipitating said substance, such dilution being effected to an extent less than required to effect complete precipitation of the mineral to be recovered.

1,981,095
GRANULAR MATERIAL SPREADER
Norvin K. Dickerson, Pickens, S. C.
Application December 16, 1933, Serial No. 702,804
1 Claim. (Cl. 275—2)



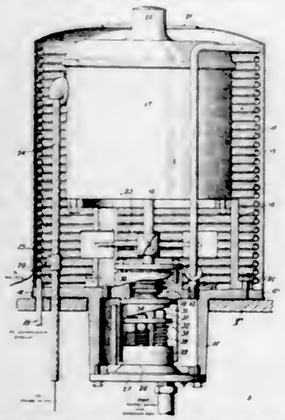
In combination with a vehicle having a dump body, a hopper-like casing connected with the rear end of the body for receiving material from the body when the same is in dumping position, said casing including a flat bottom forming a continuation of the bottom of the body, a pair of end members having their upper edges sloping downwardly and outwardly, and a top member, said top member sloping downwardly and outwardly and having its lower edge spaced from the outer edge of the bottom to provide an elongated outlet opening, reinforcing members connected, one to the lower face of the bottom at the outer end thereof and the other connected to the upper face of the top member at the lower end thereof, said members being flush with the ends of said bottom and top members, outwardly extending plates connected to the outer ends of the end members and forming extensions of the end walls of the outlet opening, a shaft rotatably supported by said plates, with its ends projecting beyond said plates, an arcuate valve plate for controlling the opening, rearwardly extending members connecting the plate with the shaft, and a handle member connected with a projecting end of the shaft for adjusting the valve plate, said plate engaging the reinforced ends of the bottom and upper member during its movement, which acts to remove material sticking to the valve plate.

1,981,096
BEARING FOR COFFEE ROASTERS
Peter A. Dubus, New Orleans, La.
Application July 31, 1933, Serial No. 683,060
10 Claims. (Cl. 308—203)



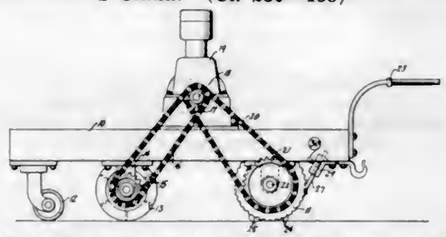
1. The combination with a roaster cylinder having an end plate provided with a central opening, and a ring secured to its end and forming a journal ring and a reinforcement for the end of the cylinder, said ring having a pair of flanges, one of which is secured to the end plate; of a bearing for the other flange of said journal ring, said journal ring including a body, rollers revolubly supported by said body and having the journal ring resting thereon, and means supporting said rollers and extending upwardly at opposite sides of said journal ring to prevent accidental displacement of the ring from the rollers.

1,981,097
REFRIGERATING UNIT
Henry E. Elrod, Houston, Tex.
Original application March 14, 1930, Serial No. 435,889. Divided and this application September 18, 1931, Serial No. 563,618
4 Claims. (Cl. 62—115)



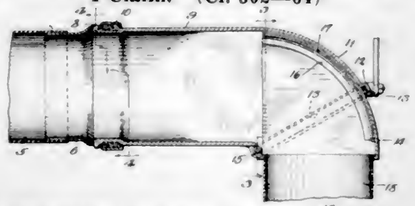
1. A condenser unit comprising a horizontal base plate adapted to rest upon the top of a cabinet, a coil mounted on said plate with the axis thereof perpendicular to said plate, a motor mounted on said plate in coaxial relation within the coil, a rotary compressor supported by the plate at its side opposite the coil and extending below the top of the cabinet in coaxial relation to the motor, and a drive shaft connecting the motor and compressor.

1,981,098
LAWN MOWER ATTACHMENT
Emery H. Fahrney, Chicago, Ill.
Application May 21, 1932, Serial No. 612,717
1 Claim. (Cl. 280—158)



A device of the character described comprising as an integral structure a traction wheel, the periphery of the wheel being provided with grooves extending longitudinally of the axis of the wheel entirely across and spaced circumferentially around the periphery of the wheel to provide ground engaging lugs, and an additional groove in the periphery of and extending circumferentially about and spaced from the lateral faces of the wheel, said additional groove intersecting the first said grooves, the bottom of the circumferential groove being disposed below the bottoms of said longitudinal grooves and adapted to receive a scraper against the bottom thereof to pass beneath portions of clods or masses seated in the first recited grooves, to remove said clods as the wheel rotates.

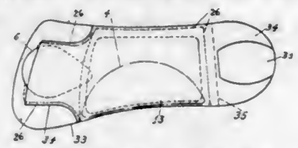
1,981,099
FLEXIBLE ELBOW FOR PNEUMATIC CONVEYERS
Joseph N. Fender, Dallas, Tex.
Application July 28, 1933, Serial No. 682,689
1 Claim. (Cl. 302—64)



A pneumatic conveyer comprising a conveyer pipe section having a curved end portion providing an elbow member, a curved elbow member fitted within the curved end portion, means for providing a fluid-tight connection between the elbow members, curved angle bars fitted within the curved end of the pipe section and spaced from the second mentioned elbow member, and a removable wear plate resting on the angle bars and engaging the second mentioned elbow member.

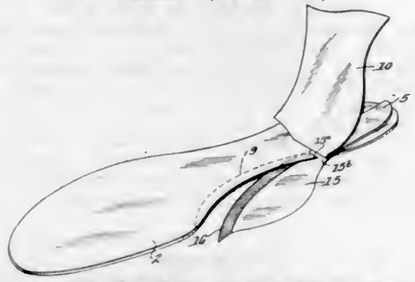
1,981,100
FOOT SUPPORT
Elisabeth Frei, Zurich, Switzerland
Application August 30, 1932, Serial No. 631,083
In Switzerland September 2, 1931
4 Claims. (Cl. 36—71)

1. An arch-supporting inner sole comprising a layer, a sole width lining on the under side of and shorter than said layer and the front end of which is spaced from that of the layer so that said lining occupies but a minimum of space, said layer and lining being so connected together at points spaced from the margin of the layer and the toe and heel thereof as to form a pocket therebetween, and a supporting member arranged in said pocket, said lining being cut away and removed at points between the connected portions



of the lining and layer and the margin of the layer to accommodate the first and fifth metatarsal heads and the heel.

1,981,101
INSOLE FOR SHOES AND METHOD OF FORMING SAME
Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio
Application November 29, 1932, Serial No. 644,865
6 Claims. (Cl. 36—71)



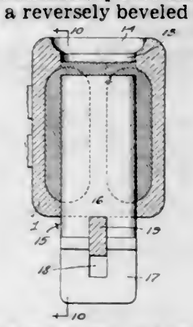
5. An insole for shoes comprising a sole blank having a longitudinally extending pocket formed in the inner edge of the shank portion of said blank, a separate piece of material having a portion secured within said pocket forming a laterally extending wing upon said sole, and a portion integral with said material overlying the shank portion of the sole blank and cemented in place thereon.

1,981,102
PHOTOGRAPHIC MATERIAL AND PROCESS OF MAKING THE SAME
Max Hagedorn and Gerhard von Kujawa, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application August 14, 1933, Serial No. 685,147. In Germany August 10, 1932
11 Claims. (Cl. 95—7)

1. A process of manufacturing a light-sensitive layer which comprises dissolving a compound selected from the group consisting of artificial polymeric carboxylic acids containing in their molecule a methylene group and their salts in water, adding to this solution a light-sensitive material and casting this solution to form a layer.

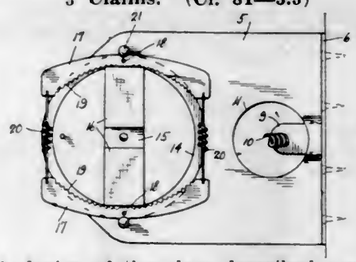
1,981,103
MOLD FOR NET LEADS
Charles A. Hanson, Munising, Mich.
Application April 20, 1933, Serial No. 667,093
2 Claims. (Cl. 22—150)

2. In a mold for net leads, the combination of a pair of mold forms hinged to each other, handles attached to each of the mold forms, the mold forms having complementary recesses which when the mold forms are assembled define a pair of cylindrical casting cavities in the mold, the mold forms having a funnel top, a channel extending from the funnel top into the recess, a slide member having a reversely beveled tongue insert-



able into the mold forms from the bottom thereof, the slide also having a butt projecting outside the mold forms, and means for limiting the longitudinal movement of the slide member.

1,981,104
JAR OPENER AND CLOSER
Stephen J. Heiner, Scranton, Pa.
Application April 23, 1934, Serial No. 722,027
3 Claims. (Cl. 81—3.3)



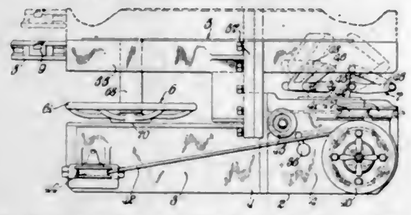
1. A device of the class described comprising a plate, a pair of curved jaws pivoted under the plate in spaced relation to each other, and springs connecting the ends of said jaws, a ring interposed between the jaws and the plate and having a cross member with a pair of pads thereon.

1,981,105
ELASTIC KNIFE-EDGE BEARING FOR MEASURING APPLIANCES
Karl Victor Hieber, Graz, Austria
Original application December 30, 1929, Serial No. 417,526, now Patent No. 1,885,721. Divided and this application January 20, 1931, Serial No. 510,043. In Austria April 15, 1929
2 Claims. (Cl. 308—2)



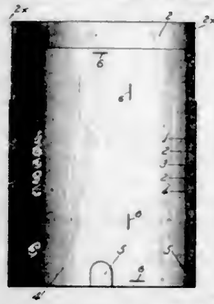
1. A knife edge bearing comprising a supporting member and a pair of arms arranged in parallel planes and having their middle lines or axes in intersecting planes and each flexibly connected at the upper end to the supporting member independently of the other and thereby suspended therefrom and free at the lower end to permit independent movement of the said arms in their planes in opposite directions, said arms having oppositely inclined bearing seatings presenting an edge in the crossing point of said seatings to receive the knife edge of a bearing element.

1,981,106
MINING MACHINE
Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 27, 1933, Serial No. 658,801
30 Claims. (Cl. 262—30)



19. In a mining machine, a frame, a kerf cutter overlying said frame and adjustable bodily into parallel cutting positions relative thereto, a motor carried by said frame, and extensible driving connections between said motor and kerf cutter including pivotally connected drive arms interposed between the top of said frame and the kerf cutter.

1,981,107
OIL STOVE WICK
Frank A. Jefferson, Jacksonville, Fla.
Application September 28, 1932, Serial No. 635,248
3 Claims. (Cl. 67—69)



3. In a wick construction, spaced apart asbestos layers, a cotton wick disposed between said asbestos layers and a reinforcing layer, said reinforcing layer and said cotton wick terminating short of the upper end of the wick.

1,981,108
COMPOSITION FOR SOFTENING TEXTILE GOODS
Georg Kalischer, Frankfort-on-the-Main, Josef Nüsslein, Ludwigshafen - on - the - Rhine, and Rudolf Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 9, 1931, Serial No. 567,980. In Germany November 27, 1930
5 Claims. (Cl. 252—1)

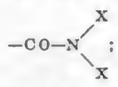
1. A composition for softening textile goods comprising a mixture of a water-insoluble fatty acid amidocompound of the general formula



wherein n stands for the number 15 or 17 and the X's mean hydrogen or an alkyl, benzyl or phenyl radical, with a sulfonation product of a derivative of an aliphatic compound of the general formula

$$(C_mH_{2m+1}R),$$

wherein m means a number including 12 to about 30 and R represents the group O or



X having the aforesaid signification.

4. A composition for softening textile goods comprising a mixture of palmitic acid amide of the formula

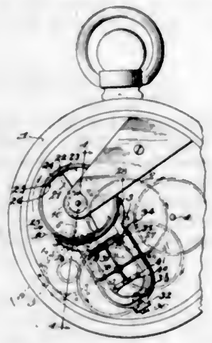
$$CH_3(CH_2)_{14}CONH_2$$

and of a product obtained by decomposing a trichlorinated hard paraffin with an aqueous caustic soda solution and acting on the product thus obtained with chlorosulfonic acid in the presence of petrolether.

1,981,109
METAL PICKLING PROCESS
Albert Klamroth, Cologne-Mulheim, and Hans Ahrens, Leverkusen-Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 10, 1932, Serial No. 628,274. In Germany August 14, 1931
10 Claims. (Cl. 148—8)

1. The process of treating metals, which comprises subjecting the metal to a non-oxidizing acid solution containing an organic sulfoxide.

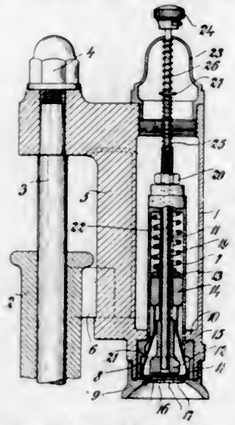
1,981,110
TIME PIECE MOVEMENT
Sirius E. Kochendarfer, Altoona, Pa.
Refiled for abandoned application Serial No. 351,793, April 1, 1929. This application July 5, 1934, Serial No. 733,882
6 Claims. (Cl. 58—117)



1. A time piece having an escapement mechanism, a balance wheel and staff, means for converting the characteristic movements of the escapement mechanism to a continuous rotary motion of the balance wheel and staff, and a governor carried by the balance wheel moving to an operative position upon an undue acceleration of the balance wheel to retard the rotary motion thereof.

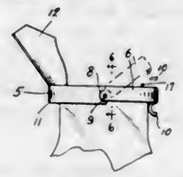
4. In a time piece, a revoluble balance wheel, a magnetic rim on the periphery of the balance wheel, a permanent magnet located substantially in the plane of revolution of the balance wheel and having confronting pole pieces partly embracing said rim, and means to adjust the magnet toward and away from the balance wheel.

1,981,111
METHOD OF AND MACHINE FOR APPLYING CAPS TO THE OPENINGS OF RECEPTACLES SUCH AS BOTTLES
Robert Landau, Vienna, Austria
Application February 12, 1930, Serial No. 427,899
In Austria February 28, 1929
8 Claims. (Cl. 226—83)



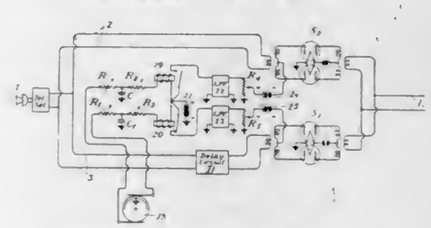
2. The method of applying closure caps to the mouths of receptacles, such as bottles, having a bead around the mouth consisting in forcing the rim of the cap over the said bead, by bringing downwardly directed force to bear upon the head of the cap, until the head of the cap fits closely upon the mouth, causing obliquely downwardly directed converging forces to bear solely upon the lower marginal portion of the rim of the cap, causing the points of application of the said obliquely downwardly directed forces to move solely in the direction of force, until the said marginal portion of the cap rim has been brought into full contact with the neck of the receptacle, and further convergence of the said points of application thereby arrested, and then supplementarily displacing the said points of application in a direction away from the head of the cap, for the purpose of stressing the cap longitudinally of its rim.

1,981,112
SPOUT AND CLOSURE
George R. Lee, Yates Center, Kans.
Application March 16, 1934, Serial No. 715,969
1 Claim. (Cl. 215—100)



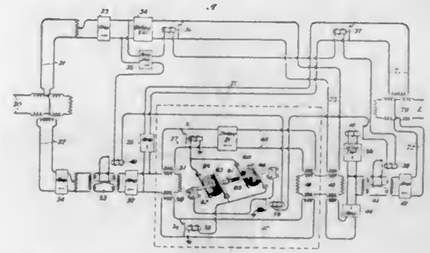
A bottle closure comprising a clamp band, a top plate for the band, said top plate being provided with an opening therein, a closure element movable on the said top plate for closing and opening the said opening, said top plate being provided with a pair of downwardly struck members provided with inwardly disposed flanges at their longitudinal edges defining a guideway; a top wall between the said downwardly struck members, said closure element being slidable in the guideway between the inwardly disposed flanges and the top wall.

1,981,113
PRIVACY SYSTEM
Doren Mitchell, Martinsville, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 3, 1933, Serial No. 659,559
8 Claims. (Cl. 179—1.5)



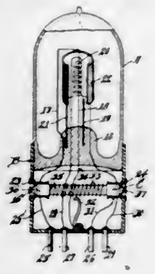
1. A switching system for effectively opening and closing a plurality of circuits in timed relationship with respect to each other comprising a first circuit, a vacuum tube device included therein, a second circuit, a vacuum tube device included therein, said tube devices being normally disabled, relays individual to each of said tube devices for controlling the operativeness thereof, means for regulating the speed of operation and release of said relays, and switching means for closing operating circuits for said relays.

1,981,114
PRIVACY SYSTEM
Doren Mitchell, Martinsville, and Sumner B. Wright, South Orange, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application March 3, 1933, Serial No. 659,560
4 Claims. (Cl. 179—1.5)



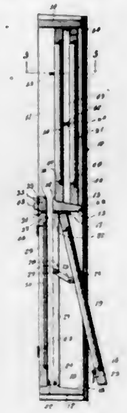
1. A transmission system comprising a two-way line interconnecting two stations, two one-way circuits for transmission in opposite directions connected to said line at one of said stations, one of said circuits being normally disabled and adapted for transmission of messages out over said line and the other of said circuits being normally enabled and adapted for the reception of messages coming in over said line, a privacy device comprising separate means for scrambling and unscrambling messages transmitted over said system, said privacy device being effectively connected in said normally enabled circuit, switching means operated by message currents transmitted to said normally disabled circuit for enabling said circuit and for disabling said normally enabled circuit and for effectively connecting said privacy device into said normally disabled circuit and for disconnecting it from said normally enabled circuit, and a privacy device, switching means and one-way circuits at said other station corresponding to those at said first station.

1,981,115
VACUUM TUBE
Edmund Guyer Murphy, Chicago, Ill.
Application December 14, 1928, Serial No. 326,009
3 Claims. (Cl. 250—27.5)



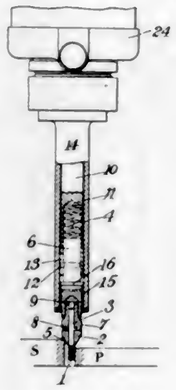
1. In combination, an electron discharge device having filament, grid and plate electrodes in an envelope, a base secured to said envelope and means removably insertable in the base including a manually adjustable cartridge potentiometer element electrically connected to the ends of one of said electrodes and to at least one other of said electrodes, whereby when said potentiometer element is moved relatively to a contact connected to one of the electrodes, the filament-plate potential may be varied and simultaneously therewith a variable positive and negative potential selectively applied to the grid electrode.

1,981,116
AIR-TIGHT SASH AND WINDOW FRAME
Ralph B. Neumann, Jr., Webster Groves, Mo.
Application April 20, 1933, Serial No. 667,104
4 Claims. (Cl. 98—88)



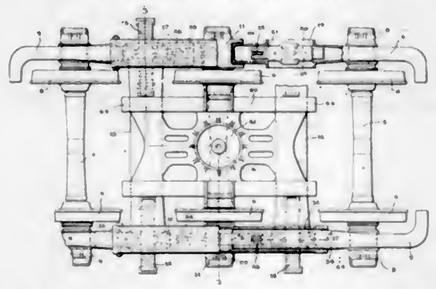
1. A construction of the class described comprising a frame having spaced fixed sills, sash means for the frame, means providing a ventilating passage through one of the sills outwardly of the closed position of said sash means, second sash means in line with and between the sills, said second sash means being located outwardly of the first sash means and normally closing the window against the entrance of air, means mounting the second sash means for movement relatively to the first sash means for the entrance of air adjacent the bases of and between the sash means so that non-draft ventilation is afforded through said passage.

1,981,117
TRACER MECHANISM
Edward Charles Frederick Oakley, Thornton Heath, England, assignor to Hancock & Company (Engineers) Limited, London, England, a British company
Application May 3, 1933, Serial No. 669,253
In Great Britain May 5, 1932
9 Claims. (Cl. 33—23)



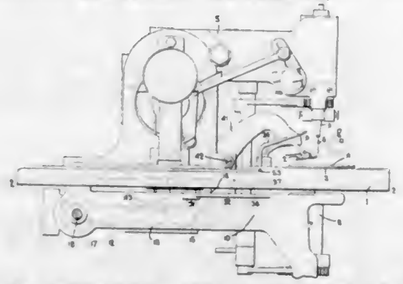
1. In a tracer mechanism for use with metal cutting and like copying machines, a driving member mounted on said mechanism, a guiding template, a second template mounted in tracking relationship with respect to the guiding template, and a thrust member mounted on said mechanism and adapted to bear against said second template and to force said driving member in contact with the guiding template, said thrust member being wholly free of any driving influence on the driving member.

1,981,118
SIX WHEEL TRUCK
Claude L. Orr, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application October 23, 1930, Serial No. 490,731
13 Claims. (Cl. 105—195)



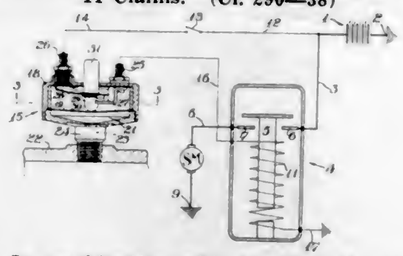
1. A six-wheel car truck comprising a center axle and end axles, journal boxes on the axles, side frames mounted on the journal boxes, each side frame including a central member and end members, each end member resting partially on one of the end axle journal boxes, and at its other end on the central member, an intermediate frame pivotally connecting the end members, a rocking beam supported by the intermediate frame, transverse bolsters extending into the end members, and means including springs for partially supporting said bolsters by said beam.

1,981,119
BUTTONHOLE SEWING MACHINE
Joseph H. Pikul, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application January 26, 1934, Serial No. 708,414
11 Claims. (Cl. 112—71)



1. A buttonhole sewing machine having stitching mechanism, work-holding means, buttonhole-cutting means, means operating during the making of each buttonhole to move the stitching mechanism and work-holding means relatively from stitching position to buttonhole-cutting position and back towards stitching position, and means to bring the machine to rest during the relative movement from buttonhole-cutting position to stitching position.

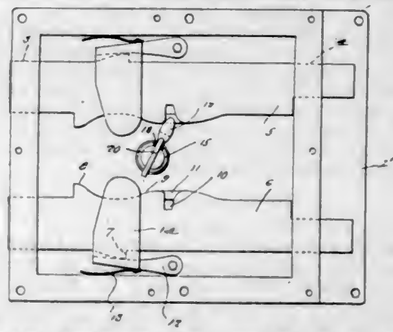
1,981,120
BACK-FIRE RELEASE FOR INTERNAL COMBUSTION ENGINES
William L. McGrath, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application October 31, 1931, Serial No. 572,249
11 Claims. (Cl. 290—38)



4. In combination with an internal combustion engine having a fuel intake system, starting mechanism therefor, means responsive to positive pressure higher than atmospheric pressure in said intake system of the engine for preventing the operation of the starting mechanism and manually controllable means for rendering the starting mechanism operative.

1,981,121
LOCK
Manuel Ramos, Forest City, Pa., assignor of one-third to George Ganforcoro, Archbald, Pa., and one-third to Manuel G. Gaselas, Forest City, Pa.
Application June 16, 1933, Serial No. 676,184
1 Claim. (Cl. 70—74)

A lock of the class described comprising a casing having upper and lower openings in its front and rear walls, a pair of bolts slidably arranged in the casing and having blunt front ends passing through the front openings and reduced rear ends passing through the rear openings, a shoulder forming projection on the inner edge of each bolt for engaging the front wall for limiting outward movement of the bolt and said inner edge of each bolt having a notch therein for receiving a ward of a key, said notch being spaced rearwardly from the projection and said inner edge having a concave recess therein located between the notch and the projection, a bridge piece spanning the notch, a projection on the outer edge of each bolt located opposite the recess and having a straight rear wall forming a shoulder and a rounded front wall, upper and lower pawls pivoted in the casing between the



bolts and the upper and lower side walls of the casing, a spring attached to each pawl and engaging a side wall of the casing and pressing the pawl against the rounded front wall of the projection when the bolt is retracted and causing the front end of the pawl to engage the straight rear wall of the projection when the bolt is projected, said casing having a keyhole therein located between the bolts and a wing of rigid construction connected with each pawl and extending across a bolt and having a rounded free end extending across a recess of a bolt for engagement by the ward for moving the pawl to releasing position.

1,981,122
WEED KILLER
Lee E. Reynard, Utica, Ohio
Application July 19, 1934, Serial No. 736,116
2 Claims. (Cl. 47—49)



1. A device of the class described comprising a cylinder having end members, a small cylinder carried by one end member and projecting into the large cylinder and having holes in its inner end, a hollow needle threaded to the outer end of the small cylinder, a piston of rod-like form

fitting in the small cylinder, and a piston rod connected with the piston and passing through the opposite end member of the large cylinder.

1,981,123

COMPOSITION OF MATTER AND PROCESS OF PREPARING THE SAME

James N. Roche, Pittsburgh, Pa., assignor to American Tar Products Co., Inc., a corporation of Delaware

No Drawing. Application February 26, 1931, Serial No. 518,496
8 Claims. (Cl. 167—31)

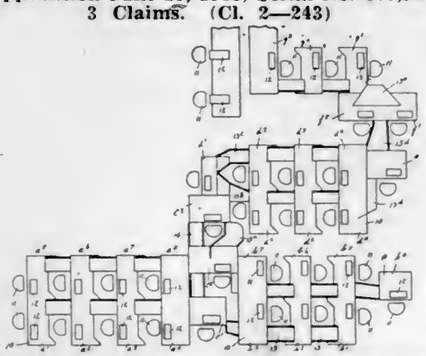
6. A disinfectant consisting of a dispersion containing a dispersing agent, water, chlorophenolic material to the extent of 2% to substantially 60%; and substantially 10% up to substantially 63% of hydrocarbon oil selected from at least one of a group consisting of neutral coal tar oil, hydrocarbon oils of neutral coal tar oil, petroleum, its fractions, water gas tar, and shale tar.

1,981,124

METHOD OF MANUFACTURING GARMENTS

Folkert Allen Schmidt and Henry H. Kramer, Terre Haute, Ind., assignors to Stahl-Urban Company, Terre Haute, Ind., a corporation

Application June 15, 1933, Serial No. 675,908
3 Claims. (Cl. 2—243)



1. A method of manufacturing trousers comprising moving simultaneously from adjacent stations a pair of rear blanks consisting of lefts and rights to their respective intermediate stations, applying rear pockets to some of said blanks during their travel to said stations, moving simultaneously from oppositely disposed adjacent stations a pair of front blanks consisting of lefts and rights to said respective intermediate stations, forming a fly and applying side and watch pockets to some of said blanks during their travel to said intermediate stations, joining the left rear and front sections at one of said intermediate stations to provide the left trousers leg and joining the right rear and front sections at the other intermediate station to provide the right trousers leg, thereafter moving said trousers legs away from said intermediate stations to a common station, and uniting them into a pair of trousers.

1,981,125

PROCESS OF TREATING POLYHALITE

Eugene P. Schoch, Austin, Tex.

No Drawing. Application September 19, 1931, Serial No. 563,899
4 Claims. (Cl. 23—40)

1. The process of treating polyhalite and minerals of similar composition which consists in taking the finely crushed mineral, an amount of lime substantially equivalent to the magnesium in the mineral, and a suitable amount of hot water, mixing these together for a few minutes only while stirring the mass rapidly and thoroughly, and heating it to boil vigorously in order to complete the reaction and to dissolve the potassium sulphate as quickly as possible; then filtering it immediately and in such a manner as to separate the solution from the solid; and washing the solid as quickly as possible and before the formation of any substantial amount of penta salt, to obtain a fairly concentrated solution of potassium sulphate.

1,981,126

DECOMPOSITION OF RARE EARTH METAL BEARING ORES

Rudolf Schulze, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 8, 1933, Serial No. 665,191. In Germany April 25, 1932
5 Claims. (Cl. 23—16)

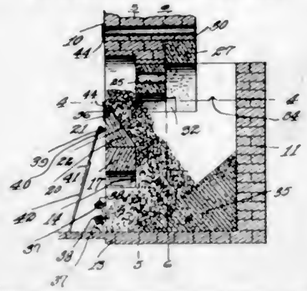
1. A process of decomposing phosphate compounds of the rare earth metals which comprises subjecting such compounds to reduction with carbon in the presence of at least one oxide compound of the alkaline earth metals including magnesium oxide, so as to volatilize elementary phosphorus, the quantity of carbon being sufficient only for reducing the phosphates present to phosphorus and the quantity of alkaline earth metal oxides not exceeding about three molecules of alkaline earth metal oxide for every molecule of rare earth metal oxide.

1,981,127

FIRE BOX

John F. Slater, Johnstown, Pa.

Application December 28, 1932, Serial No. 649,206
3 Claims. (Cl. 110—85)



1. A fire box comprising enclosing walls forming a combustion chamber, a flue communicating therewith, the chamber having at its front an upper and a lower opening and having between said openings an arch composed of side blocks and a keystone having shoulders adapted to rest upon seats cut in the side blocks and a solid rearwardly and downwardly extending platform resting upon said arch and having its base flush with the front and rear walls of the arch.

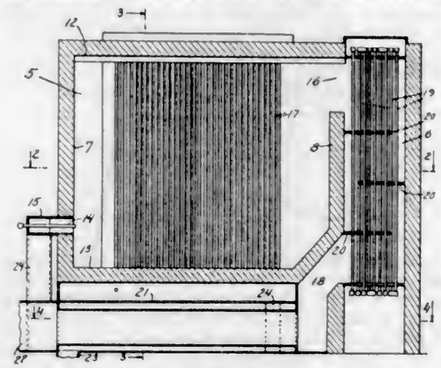
1,981,128

ART OF CRACKING HYDROCARBONS

Thomas De Colon Tifft, Westfield, N. J., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application April 24, 1931, Serial No. 532,415
2 Claims. (Cl. 196—116)

1. In apparatus for heating oil at least to a cracking temperature, a furnace comprising a heating and combustion chamber generally rectangular in plan, means for supplying fuel and air near the lower end of one of the narrow end walls of said chamber, an exit flue for combustion gases near the upper end of the other narrow end wall of said chamber, a group of substantially vertical heating tubes arranged



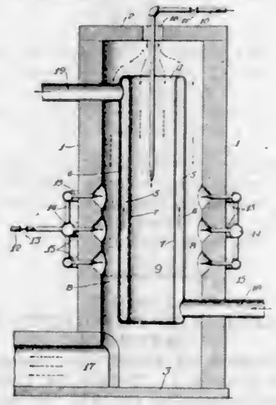
within said chamber adjacent each of the wide side walls of said chamber, said tubes extending above the roof and below the floor of said chamber, the roof and the floor and said narrow end walls of said chamber having an aggregate unshielded area not substantially less than the area of said side walls of said chamber shielded by said heating tubes.

1,981,129

HEATING OF FLUIDS

Hans Tropsch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application March 14, 1933. Serial No. 660,660
1 Claim. (Cl. 122—156)



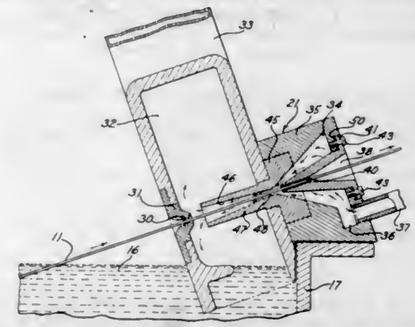
A fluid heating apparatus comprising a furnace, a first cylindrical wall defining an open-ended passageway within the furnace, a second cylindrical wall concentric with said first wall and forming a closed annular heating compartment therewith, fluid inlet and outlet means adjacent opposite ends of said compartment, burner means within said passageway and spaced a substantial distance from the inlet end of said compartment for applying heat to a portion of said first wall, additional burner means for applying heat to the corresponding portion of said second wall and also positioned a substantial distance from the inlet end of said compartment, and means for passing air through said passageway over the unheated portion of said first wall to the first-mentioned burner means and around the corresponding unheated portion of said second wall to said additional burner means.

1,981,130

METHOD OF AND APPARATUS FOR COATING STRANDS

Carl M. Underwood, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Continuation of application Serial No. 331,362, January 9, 1929. This application April 28, 1932, Serial No. 608,041
20 Claims. (Cl. 91—12.2)



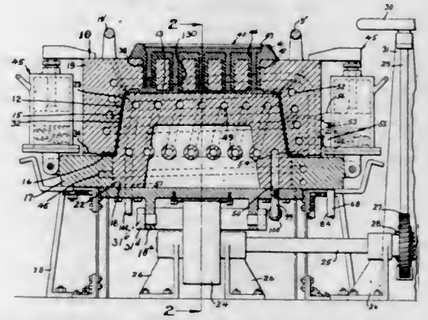
2. In an apparatus for coating moving strands, means to apply an excess of liquid coating to a longitudinally moving strand, a liquid and gas separating chamber through which the strand passes, a scraping die mounted in the chamber and surrounding the strand, an expansion nozzle mounted in the chamber and surrounding the strand, and means to supply gas under high pressure to the nozzle, the gas being free from rotational movement.

1,981,131

APPARATUS FOR MAKING HOLLOW ARTICLES

Matthew Wagner, Los Angeles, Calif.

Application December 8, 1932, Serial No. 646,283
7 Claims. (Cl. 22—153)

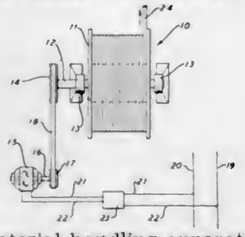


1. In a mold a base member and a removable top member, a pair of aligned conduits in said base member and said top member, each of said conduits having a valve therein, means to normally maintain said valves in closed position and means to automatically open both of said valves when the top member is placed on the base member.

1,981,132
COMPOSITION FOR NONINFLAMMABLE CELLULOSIC FILM
James F. Walsh, South Orange, and Kirtland Flynn, East Orange, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application June 20, 1929, Serial No. 372,533
2 Claims. (Cl. 106—40)

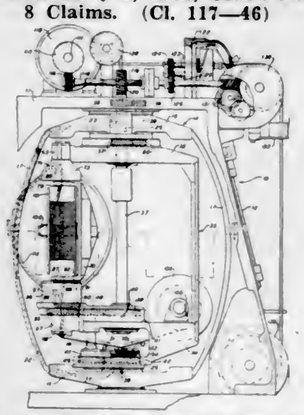
1. A plastic composition comprising 100 parts of cellulose acetate, 20 parts of triphenyl phosphate and 10 parts of diethyl phthalate.

1,981,133
MATERIAL HANDLING APPARATUS
Daniel V. Waters, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 3, 1933, Serial No. 655,059
5 Claims. (Cl. 242—45)



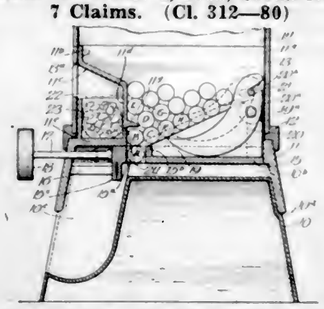
1. In a material handling apparatus the combination with a rotatable supply means of means to maintain a constant tension in material being withdrawn therefrom comprising an electric motor coupled thereto to be driven backwards thereby, the motor having such characteristics that over the operating range its torque varies substantially inversely with its backward speed.

1,981,134
APPARATUS FOR TWISTING STRANDS
Leo L. Weaver, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1932, Serial No. 585,760
8 Claims. (Cl. 117—46)



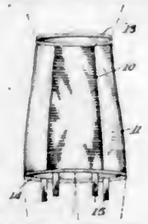
1. In a strand twisting mechanism, a rotatable frame, a plurality of strand supply supports mounted thereon, a flier rotatable around each of the supply supports, a flier rotatable coaxially of and around the frame in the same direction as the first named fliers, and differential gearing between the last named flier and the frame for imparting rotation to the latter at a fraction of the velocity of the flier.

1,981,135
CIGARETTE VENDING MACHINE
William H. Block, Chicago, Ill.
Application November 4, 1932, Serial No. 641,141
7 Claims. (Cl. 312—80)



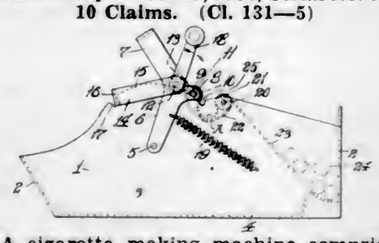
1. A cigarette vending machine, comprising a base, a receptacle above the same and adapted to receive a load of horizontally positioned cigarettes, a slide movable in forward direction with the effect of discharging the lowermost cigarette in the frontal portion of the receptacle, scoop-like members actuated upwardly by the forward movement of the slide to boost the load above the zone of discharge, whereby to relieve the cigarettes below said load from the weight thereof, and vertical supports upstanding from the slides, said members being pivotally attached alongside said supports.

1,981,136
GIRDLE
Joseph Bloom, New York, N. Y.
Application April 25, 1934, Serial No. 722,238
3 Claims. (Cl. 66—176)



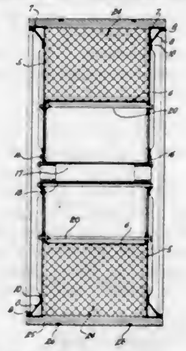
1. A circular knitted elastic girdle having a panel knit more closely than adjoining portions, said panel extending lengthwise of the front portion of the girdle and said girdle being knit shorter at the front and longer in the back.

1,981,137
HAND OPERATED CIGARETTE MAKING MACHINE
Earl W. Brunton, St. Louis, Mo., assignor of one-half to Martin L. Medart, St. Louis, Mo.
Application September 19, 1931, Serial No. 563,781
10 Claims. (Cl. 131—5)



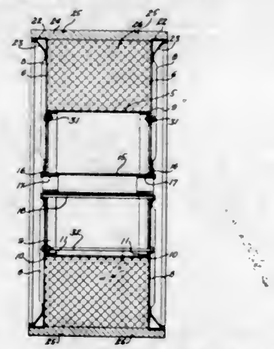
1. A cigarette making machine comprising a lever, a roller carried by said lever, a second roller having a fixed mounting, an apron mounted over said rollers, and travelling means for said apron carried by said lever adjacent said first mentioned roller.

1,981,138
REEL
Arthur Alfred Bureau, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1927, Serial No. 225,456
4 Claims. (Cl. 206—59)



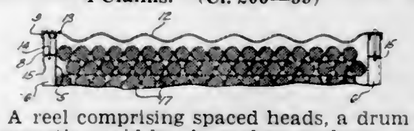
1. In a reel for accommodating flexible material, two heads provided with center holes and peripheral outwardly extending flanges, a drum, said drum having inwardly bent flanges, bolts passing through the flanges of the drum and the heads to hold the drum in place, hubs fitting the holes in the center of the heads, a tubular member whose inside diameter is the same as that of the holes fitting the hubs and holding the heads against the hubs, and bolts passing through the hubs and heads for holding the hubs to the heads.

1,981,139
REEL
Arthur Alfred Bureau, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1928, Serial No. 288,380
Renewed October 26, 1933
3 Claims. (Cl. 242—77)



3. A cable reel comprising spaced heads having axial apertures therein, a drum positioned between the heads, a pair of annular supporting members secured to a surface of the drum adjacent its ends and secured directly to the heads, and a tubular hub member extending between said apertures and having outwardly extending flanges secured to the heads.

1,981,140
REEL
Arthur A. Bureau and Ralph W. Clemmons, Chicago, Ill., assignors, by direct and mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1930, Serial No. 474,103
4 Claims. (Cl. 206—59)

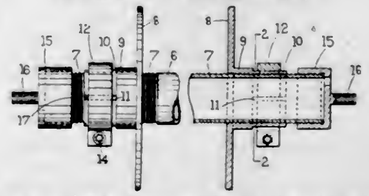


3. A reel comprising spaced heads, a drum interconnecting said heads, and an enclosure comprising a plurality of curved sheet-metal sections supported by the heads and being corrugated in the direction of the circumference of the reel.

1,981,141
CEMENTING FOIL AND THIN FILM
Amerigo F. Caprio, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application January 29, 1931, Serial No. 512,222
12 Claims. (Cl. 154—40)

1. The method of sealing joints between foils of derivatives of cellulose which comprises applying to at least one of the surfaces of the joint a solvent for the cellulose derivative of low volatility and having a weak solvent action, and thereafter bringing the said surfaces into contact.

1,981,142
WARP BEAM
Stephen Miller Fulton and William Beggs McVeigh, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application February 10, 1931, Serial No. 514,766
In Great Britain April 1, 1930
2 Claims. (Cl. 242—124)

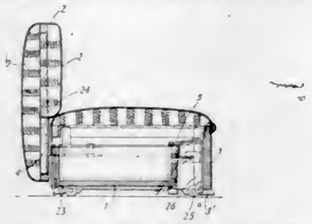


1. A warp beam comprising a barrel with an externally threaded end, an internally threaded flange adapted to be screwed and adjustably positioned on said end, said flange being provided with a slotted and internally threaded boss adapted to be screwed on said end and a collar surrounding the internally threaded, slotted boss to contract said slotted boss so as to press the threads of the flange on to those of the barrel.

1,981,143
CONVERTIBLE SETTEE AND BED
Fred Hampton, Brooklyn, N. Y., assignor of one-third to Charles A. Light and one-third to Max Glick, both of New York, N. Y.
Application November 13, 1933, Serial No. 697,730
2 Claims. (Cl. 5—44)

1. An improvement in a convertible settee bed of the type including a box body provided with a storage compartment, a settee back pivotally secured to said body adjacent an edge thereof and

a lounge seat member slidably arranged over said box body, said improvement comprising a latching means secured to said seat member adjacent an edge thereof parallel to said body edge, said latching means comprising a rod having a length substantially equal to that of the said seat member edge, the said rod being provided with a pair of spaced dogs, said body being provided with a pair of spaced openings in a wall of said compartment, said openings being disposed adjacent the edge of said body parallel to said first body edge and each opening being in alignment at all times with a corresponding dog of said latching means whereby said dogs enter said openings when said seat member is over said body, and a release means secured to said latching means rod for permitting withdrawal of said latching means dogs from said openings.

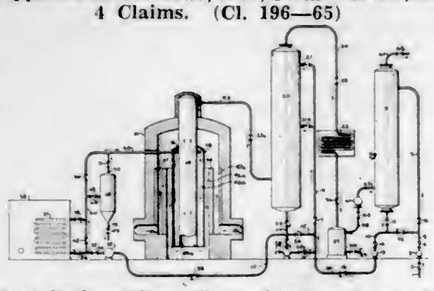


1,981,144

PROCESS FOR THE CONVERSION OF HYDROCARBON OILS

Jacob Benjamin Heid, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application March 28, 1930, Serial No. 439,584
4 Claims. (Cl. 196—65)



4. A hydrocarbon oil cracking process which comprises initially distilling the oil and separating resultant vapors from unvaporized oil, thereafter indirectly heating the separate vapors and then combining the same with a gaseous heating medium at cracking temperature, burning a portion of the vapors while admixed with the heating medium to supply additional heat for the cracking, and condensing the cracked vapors.

1,981,145

PROCESS OF PRODUCING PHOSPHORIC ACID

Cornelius H. Keller, San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application October 21, 1933, Serial No. 694,639
8 Claims. (Cl. 23—165)

1. In a process of producing ortho-phosphoric acid wherein a phosphate-containing material is decomposed to form ortho-phosphoric acid in admixture with other products, the step consisting in leaching out ortho-phosphoric acid formed by such decomposition with acetone.

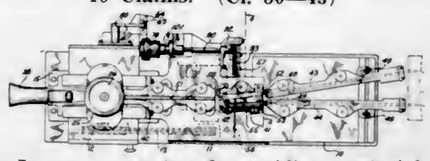
5. In a process of producing ortho-phosphoric acid wherein a phosphate-containing material is decomposed to form ortho-phosphoric acid in admixture with other products and in which ortho-phosphoric acid and other water-soluble products are leached out by water from the decomposed material, the steps consisting in concentrating the solution containing ortho-phosphoric acid and other water-soluble products, and extracting ortho-phosphoric acid from the concentrated material by means of a solvent comprising one of the substances of the group containing acetone, methylethylketone, ethylacetate, methylacetate, methylformate, methylal, ethylalcohol, methylalcohol, ethylether, propylether and isopropylether.

1,981,146

MATERIAL GUIDING APPARATUS FOR ROLLING MILLS

Einer W. Larsen, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 14, 1932, Serial No. 622,369
10 Claims. (Cl. 80—43)



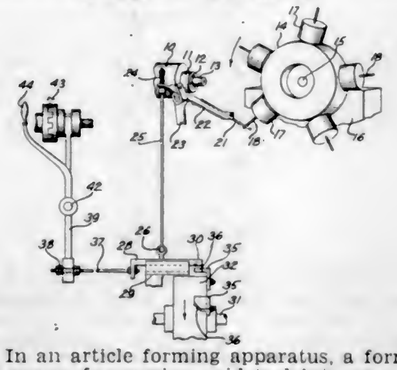
1. In an apparatus for guiding material to grooves of reducing rolls, a pair of advancing rolls, one of which being mounted for transverse movement caused by the entrance of a length of material between the advancing rolls and the escapement of material therefrom, a gate for alternately directing successive lengths of material to the grooves of said reducing rolls, means for moving said gate from one position to another, and means actuated by the transverse movement of said advancing roll for conditioning said gate moving means.

1,981,147

MACHINE CONTROL MECHANISM

Kasper F. Moller, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 13, 1933, Serial No. 651,473
13 Claims. (Cl. 29—44)



1. In an article forming apparatus, a forming tool, means for moving said tool into operative engagement with an article, and means including an element normally positioned in the path of movement of said tool responsive to an engagement of said tool therewith during its movement past the element for controlling the operation of said tool moving means.

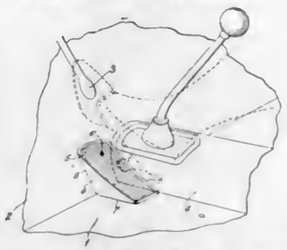
10. In an article forming apparatus, means for supporting and rotating an article, a forming tool longitudinally movable into operative engagement with the article, means for longitudinally moving said tool, a clutch mechanism for controlling said tool moving means, a pivotal element positively movable in a direction to cross the path of said tool previous to the engagement of the tool with the article, means for positively moving said element towards said tool in synchronism with the movement of said tool, and connections between said clutch mechanism and said pivotal element including a power driven actuator rendered effective in response to a movement of the element across the path of movement of said tool for actuating the clutch mechanism to interrupt the movement of the tool into operative engagement with the article.

1,981,148

HEEL PLATE

Herbert E. Muench, University City, Mo.

Application July 23, 1934, Serial No. 736,579
5 Claims. (Cl. 74—564)



1. In combination with a floor of an automobile, an apron meeting the floor at an obtuse angle, and a foot pedal adjacent the apron, the improvement comprising a plate having a corrugated surface constructed and arranged to provide a heel rest and extending substantially from the floor of the apron along an arc whose chord is at an angle to the floor of between 18° and 35°, an angular flange extending downwardly from the plate with an outer edge, one part of which is adapted to engage the floor and the other part adapted to engage the apron, and means for securing the plate in position.

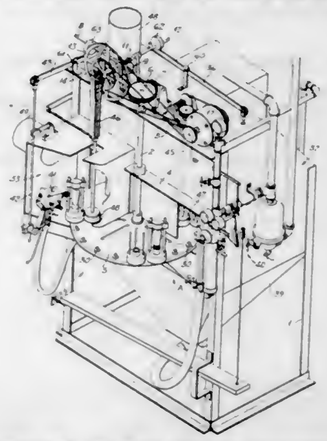
1,981,149

AUTOMATIC MACHINE FOR PROCESSING THERMIONIC TUBES AND THE LIKE

Henry W. Parker and Joseph R. Eakins, Toronto, Ontario, Canada, assignors to Rogers Radio Tubes, Ltd., Toronto, Ontario, Canada, a corporation of Canada

Application September 10, 1932, Serial No. 632,506
7 Claims. (Cl. 91—12.2)

7. A processing machine comprising, means for supporting and moving a plurality of object supporting units, separate means for sequentially producing an abradant action and a spraying action in the path of movement of said object supporting units each of said object supporting units comprising upper and lower members for engaging an object therebetween and means for restricting the area of said object subjected to said abradant and spraying actions to the portion of said object not engaged by said upper and lower members, means for automatically imparting additional motion to said object supporting units only in the regions of said abradant and spraying actions whereby the exposed surfaces of the objects supported by said object supporting units are uniformly exposed to each of said actions.

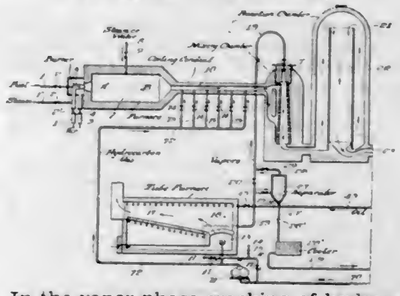


1,982,150

TREATMENT OF HYDROCARBON OILS

Robert Pyzel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application June 12, 1931, Serial No. 543,758
3 Claims. (Cl. 196—67)



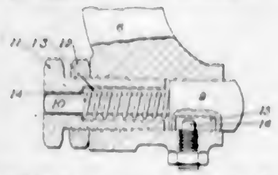
3. In the vapor phase cracking of hydrocarbon oil by direct contact with combustion gases as the heating medium, the method which comprises vaporizing the oil thereby forming hydrocarbon vapors, simultaneously generating combustion gases substantially devoid of free oxygen by burning fuel in the presence of a volume of air containing substantially no more than the requisite amount of oxygen to combine with the fuel whereby the combustion gases are formed at a temperature in excess of 3000° F., cooling the thus generated combustion gases to a temperature between 1600° F. and 2500° F., then introducing to the combustion gases a sufficient quantity of relatively cool incondensible hydrocarbon gas to lower the temperature of the combustion gases to between 1300° F. and 1800° F., then commingling the thus formed gaseous mixture with said hydrocarbon vapors in sufficient amount to raise the latter to vapor phase cracking temperature, there being provided a time period between the introduction of said hydrocarbon gas into the combustion gases and the commingling of the gaseous mixture with the hydrocarbon vapors to permit a preliminary conversion of the hydrocarbon gas, maintaining the admixed vapors and gases at the vapor phase cracking temperature for a time period adequate to convert a substantial

portion of the vapors into gasoline-like hydrocarbons, and then separating the condensible vapors from the incondensible gases.

1,981,151
ACTUATING MECHANISM FOR DOUGH DIVIDERS

Frederick G. Ricker, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York

Application November 23, 1933, Serial No. 699,382
2 Claims. (Cl. 107—15)



1. In a machine for dividing dough and the like plastic materials into measured pieces, having a dividing head with a plurality of measuring pockets, an ejecting piston slidable in each of said pockets, and actuating members for said pistons operable to move the pistons to the mouths of their pockets to expel dough pieces therefrom and to limit the reverse travel of said pistons, in combination, an abutment member interposed between one of said actuating members and its associated piston and yieldably mounted in said actuating member, and an adjustable stop to limit the yielding motion of said abutment member relative to said actuating member.

1,981,152
PRODUCTION OF COMPOUND MATERIALS

James Henry Rooney, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

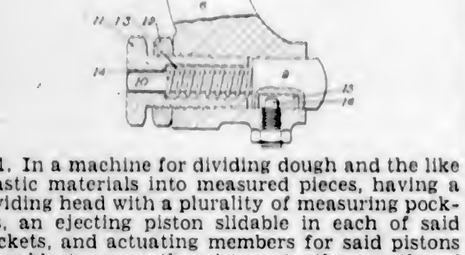
No Drawing. Application June 18, 1929, Serial No. 371,953. In Great Britain July 6, 1928
14 Claims. (Cl. 49—81)

1. Process for securing adhesion between cellulose derivatives and other materials, comprising treating the cellulose derivative with a medium comprising a volatile non-solvent for the cellulose derivative and a plasticizer therefor and applying the treated cellulose derivative to the other material.

1,981,153
MEASURING APPARATUS

Arthur W. Schoof, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 9, 1930, Serial No. 480,666
1 Claim. (Cl. 33—147)

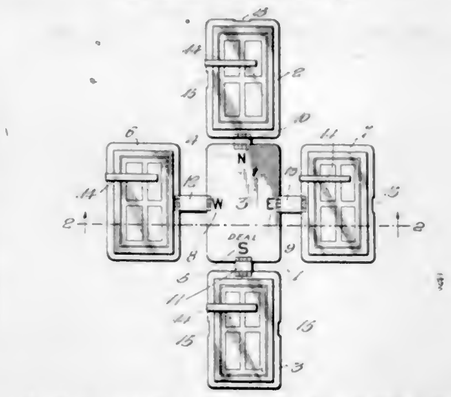


A measuring apparatus comprising a head, a micrometer screw and indicator carried by said head, a guide extending from said head, an opposing head movably mounted on said guide for adjustment toward and away from said first head, a pressure indicating device mounted on said movable head, said pressure indicating device and said micrometer screw being arranged to receive between them an article to be gaged, said pressure indicating device comprising an elongated element movable by engagement with an article being gaged, a flat spring attached at one end to said element and extending toward said article, another flat spring attached at one end to a relatively fixed part of said device and extending toward said article, said springs being spaced from each other by a distance which is small as compared with their lengths, an elongated indicating element to which the other ends of said springs are attached and which extends toward said article, and a scale traversed by said indicating element.

1,981,154
HOLDER FOR DUPLICATE CONTRACT BRIDGE HANDS

Herman Simmonds, Jr., New York, N. Y., assignor of one-half to Dick R. McLain, New York, N. Y.

Application January 23, 1933, Serial No. 653,202
1 Claim. (Cl. 273—151)



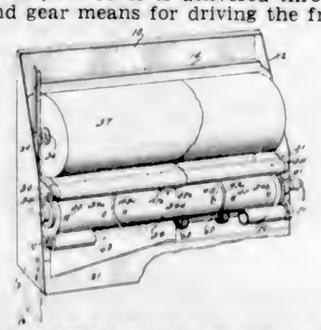
A card holder for duplicate contract bridge comprising a center leaf, side and end leaves having means for retaining dealt hands of cards stacked thereon, and hinges connecting the side and end leaves with the center leaf, said hinges being of progressively increased length whereby the side and end leaves may be swung inwardly to a folded position and disposed over the center leaf one above another with the cards in stacked formation between the leaves with the dealt hands separated by the leaves, edge portions of certain of the leaves being notched and forming seats to receive portions of the hinges and dispose outer faces of the hinges flush with edges of the folded leaves and prevent sliding movement of the leaves relative to each other when folded.

1,981,155
TOILET SEAT COVER FORMING MACHINE

William Stahly, College Point, N. Y., assignor to Sanitary Public Service Corporation, New York, N. Y., a corporation of Delaware

Application May 11, 1931, Serial No. 536,383
6 Claims. (Cl. 164—28)

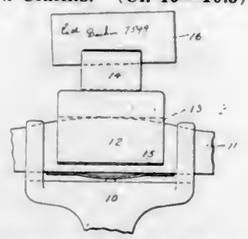
6. In a toilet seat cover forming machine, a housing having side walls, a narrow front apron across the lower front thereof forming the rear side of a delivery chute, a front wall for the delivery chute spaced from the apron, seat cover forming mechanism including a pair of delivery rolls above the edge of the front apron, one roll in front and the other behind the apron, both rolls being behind the front wall of the chute, whereby the seat cover is delivered through the chute, and gear means for driving the front delivery roll at a speed slightly in excess of the speed of the rear delivery roll to insure downward feed of the seat cover.



1,981,156
TELEPHONE CALL REMINDER

William F. Timmermann, Hempstead, N. Y.

Application November 20, 1933, Serial No. 698,804
2 Claims. (Cl. 40—10.5)

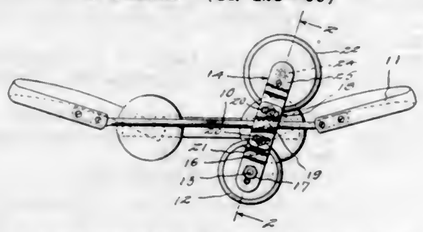


1. In combination with a French-type telephone, a relatively heavy base having a length slightly shorter than the distance between the pairs of prongs provided on the stands which are used for supporting the hand-set of such telephones, a deep groove formed in the bottom of the base for loosely straddling the hand-set between the said prongs when the hand-set is in place on the stand, and a memorandum holder mounted on the base.

1,981,157
TRUSS

William P. Walter, Massillon, Ohio

Application January 10, 1933, Serial No. 651,031
2 Claims. (Cl. 128—99)

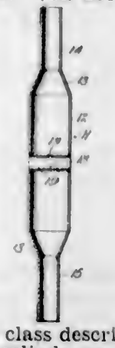


2. A truss comprising a lower button, an upper button, a lever, means for securing the buttons to the lever one adjacent each end thereof, a pressure bar, a guide strap having a looped intermediate portion engaging about said pressure bar, said guide strap loosely engaging about the pressure bar and having transversely extending slots adjacent each end thereof, and means extending through said slots for securing the strap to the lever whereby to hold the lever in adjusted angular position relative to the pressure bar while permitting rocking and sliding movement of the lever and pressure bar one relative to the other.

1,981,158
OIL SAND PROTECTOR

Edward Ward, Wewoka, Okla.

Application June 15, 1934, Serial No. 730,799
2 Claims. (Cl. 103—39)

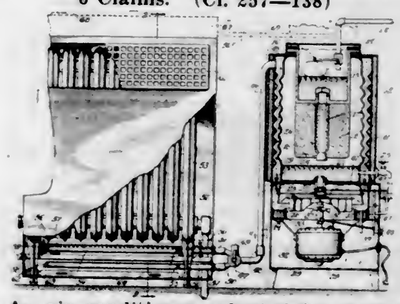


1. A device of the class described comprising a vertically elongated cylinder provided intermediate its ends with diametrically opposed intake ports, an apertured tube located in said ports, with the apertures confined within the interior of said cylinder, the opposite ends of said cylinder being constructed for attachment to a working barrel at one end and a sand strainer at the opposite end.

1,981,159
AIR CONDITIONER

John C. Wichmann, Chicago, Ill.

Application February 21, 1933, Serial No. 657,755
6 Claims. (Cl. 257—138)



4. An air conditioner, adapted for connection with an air humidifier and purifier unit comprising a heat radiator, a casing enclosing said radiator, air distributing means within the casing including a pair of elongated inverted hoods vertically spaced and mounted below the radiator adapted to spray purified humidified air in a downward and upward path onto the radiator, dehumidifying means below one of said hoods in the path of the air from that hood to the radiator to dehumidify said air, and means for selectively directing the air into one hood or the other.

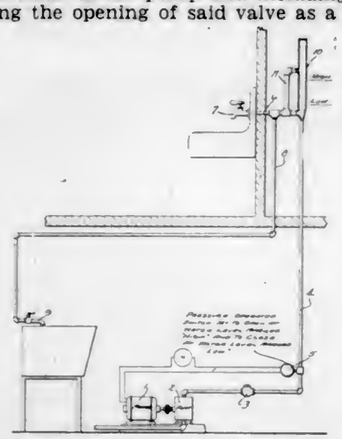
1,981,160
WATER SYSTEM

William B. Baldwin, Madison, Wis., assignor of one-fourth to Ray T. Lloyd, Madison, Wis.

Application September 5, 1933, Serial No. 688,133
7 Claims. (Cl. 137—79)

3. A water system comprising the combination with a pump and an air trap, of means comprising an air admission valve and a pressure operated control device operatively connected to regulate

the operation of the pump and including means requiring the opening of said valve as a prerequisite to pump operation whereby to function for automatically controlling the admission of air to said trap to replace losses therefrom.

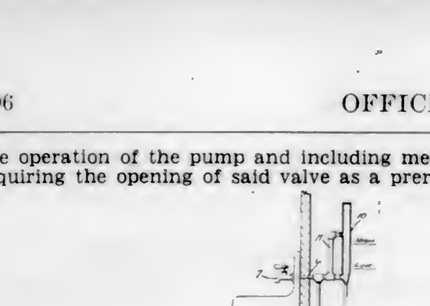


1,981,161

PREPARATION OF CARBON DISULPHIDE AND HYDROGEN SULPHIDE

Paul H. Bodenstein, Petersburg, Va., assignor to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application December 11, 1931, Serial No. 580,442
3 Claims. (Cl. 23—206)



1. In a process of the character described the step which comprises contacting a mineral hydrocarbon oil with an excess of molten sulphur at a temperature of from 450° to 700° C. in the presence of a catalyst favorable to the reaction of hydrocarbon constituents of the oil with the sulphur to form carbon disulphide and hydrogen sulphide.

1,981,162

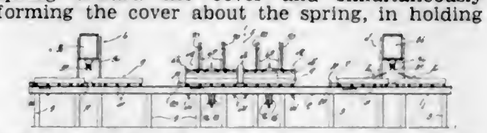
METHOD OF AND MACHINE FOR APPLYING METAL COVERS TO AUTOMOTIVE VEHICLE SPRINGS

Jerome Brown, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application July 16, 1930, Serial No. 468,285
42 Claims. (Cl. 153—1)

1. In a device for applying a cover to a normally bowed vehicle leaf spring, means for compressing the spring to flatten the same, and common means for supporting the cover in the path of the spring as it is flattened and for forming the cover about the spring.

37. The hereindescribed method of shrouding a vehicle spring with a metal cover which consists in supporting the cover independently of the spring, but in line therewith, in compressing the spring toward the cover and simultaneously forming the cover about the spring, in holding



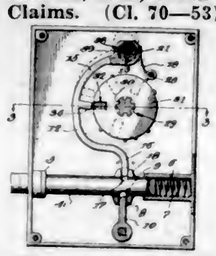
the spring with the cover formed thereabout in its compressed state, in forming a seam at the marginal edges of the cover to lock the same on the spring, and in releasing the spring.

1,981,163

COMBINATION AND KEY CONTROLLED LATCHING MECHANISM FOR LOCKS

John I. W. Carlson, Scottdale, Pa.

Application June 16, 1931, Serial No. 544,846
4 Claims. (Cl. 70—53)



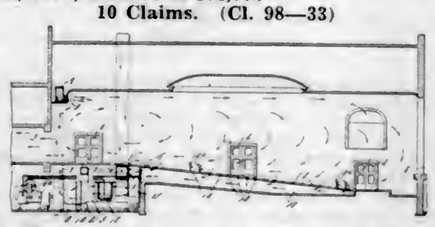
1. A lock of the class described comprising a casing, a reversible latching bolt provided with a plurality of spaced ears upon opposite sides thereof, a knob mechanism provided with a projecting rollback adapted to engage between the ears upon one side of said latching bolt, a pivotally mounted locking finger adapted to engage between the ears on the opposite side of said latching bolt, said locking finger having a projecting lug, said ears on said latching bolt being arranged in transverse alignment to permit of the reversal of said latching bolt, and movable controlling means having means for receiving said projecting lug, said last mentioned means being adapted to be brought into alignment with said lug for receiving the lug and permitting the swinging of said locking finger and the consequent operation of said latching bolt.

1,981,164

METHOD AND SYSTEM FOR VENTILATING AND CONDITIONING AUDITORIUMS AND THE LIKE

Willis H. Carrier, Essex Fells, N. J., assignor to Carrier Engineering Corporation, Newark, N. J.

Original application June 22, 1927, Serial No. 200,665. Divided and this application August 12, 1930, Serial No. 474,772
10 Claims. (Cl. 98—33)



1. The method of ventilating and attemperating a room in which people congregate and which is so designed with seats that the people

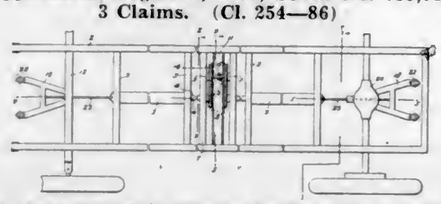
normally face the front or stage portion of the room, which comprises injecting air at a high velocity into the room well above the occupied section and people and in a direction toward the front or stage portion of the room so as to avoid direct blasts into the said occupied section, and removing air from the lower or occupied section of the room at a plurality of points spaced in a direction forwardly and rearwardly of the room, whereby the injected air will be mixed with and tempered by the warm air of the room while passing through the upper section thereof, and the tempered air mixture then circulated rearwardly at a lower velocity in the lower occupied section of the room.

1,981,165

AUTOMOBILE JACK

Otto Dowe, Chicago, Ill.

Application August 8, 1934, Serial No. 739,019
3 Claims. (Cl. 254—86)



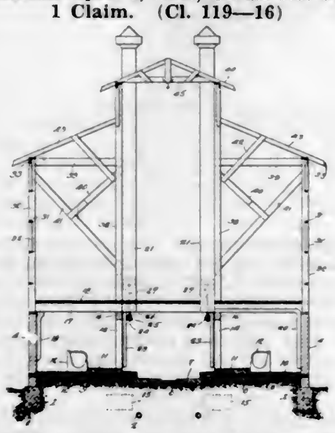
1. An automobile lifting mechanism of the class described comprising a pair of screw shafts journaled longitudinally on the automobile, jacks pivotally mounted on the front and rear axles of the automobile, nuts threadedly mounted on the screw shafts, bars operatively connecting the jacks to the nuts for actuation thereby, gears fixed on the screw shafts, another shaft mounted on the automobile, gears mounted on the second named shaft and engaged with the first named gears, a lever rotatably and slidably mounted on the second named shaft between the second-named gears, and pawls mounted on the lever and engageable with the second-named gears for selectively connecting the lever to said second-named gears.

1,981,166

BUILDING CONSTRUCTION

John J. Duttweiler, Findlay, Ohio

Application April 6, 1932, Serial No. 603,657
1 Claim. (Cl. 119—16)



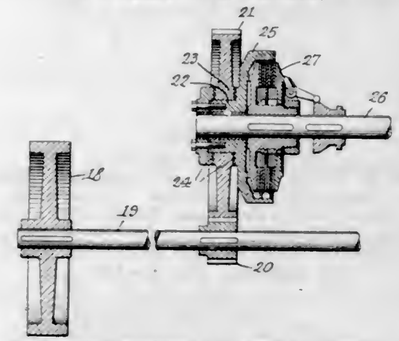
In a building construction a floor slab having a relatively broad depressed portion constituting a passageway for cattle, said slab providing spaces at opposite sides of the passageway for the support of mangers, there being a gutter extending longitudinally of the passageway below and at the center thereof, laterally extending flues within the slab opening at their outer ends through the outer sides of the slab and at their inner ends through the respective walls of the passageway above the level of the gutter, and means for supplying fresh air above the slab for downward circulation into the passageway and outward through the flues.

1,981,167

DRIVING MECHANISM

Earl R. Frost, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio

Application March 17, 1932, Serial No. 599,510
2 Claims. (Cl. 74—411)



1. In a metal working machine a movable work engaging portion, a drive mechanism therefor including a flywheel, a friction clutch connecting the flywheel to the drive mechanism, there being means included in said mechanism remote from said flywheel and controlled by the flywheel for indicating the location of a fault when the machine is stalled or overloaded, said means including a gear and a slip coupling, the said coupling being designed to carry a predetermined load, one of the members of the coupling being rotatable by the flywheel relative to the other member when subjected to an overload.

1,981,168

TREATMENT OF RUBBER

Roscoe H. Gerke, Nutley, N. J., assignor to Morgan & Wright, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 11, 1932, Serial No. 628,296
15 Claims. (Cl. 106—23)

1. A method of plasticizing rubber which comprises incorporating in solid rubber during the preliminary breakdown period a small amount of lead dioxide and a small amount of an organic acid anhydride.

1,981,169

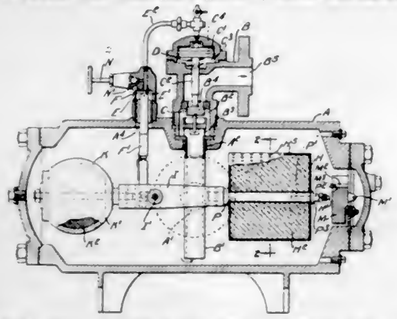
STEAM TRAP

George H. Gibson, Upper Montclair, and Franklin M. Patterson, Pitman, N. J., assignors to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application August 19, 1930, Serial No. 476,252
4 Claims. (Cl. 23—253)

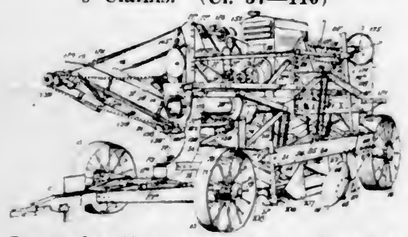
1. A high pressure trap comprising the combination with a casing adapted to contain a high temperature caustic and/or alkaline liquid, of an operating mechanism positioned in said casing and exposed to said liquid and including a displacement body movable in accordance with changes in level of said liquid and comprising material of less specific density than iron and selected from

the group of materials consisting of calcium carbonate and calcium phosphate, and which is ex-



posed to, but is substantially unaffected by said liquid.

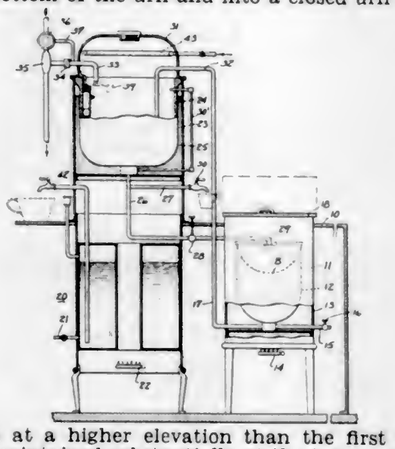
1,981,170
ELEVATING GRADER
James B. Green and John M. Rathmell, Aurora, Ill., assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill., a corporation of Illinois
Application April 6, 1932, Serial No. 603,460
9 Claims. (Cl. 37—110)



1. In an elevating grader, the combination of a wheel supported frame comprising a substantially longitudinal torque tube and substantially transverse frame structures rigidly secured to said torque tube at spaced points along its length, a grading plow disposed adjacent to one side of said frame, means operatively connecting said plow with the rear transverse frame structure at said one side, a bodily movable elevator projecting outwardly from the other side of said frame for loading the soil broken up by said plow, adjustable connecting means between the inner end of said elevator and the side of said frame structure adjacent said plow and adjustable connecting means between the other end of said elevator and the other side of said frame, the said connecting means comprising the only weight supporting connections between the elevator and the said transverse frame structure, said torque tube sustaining in torsion a considerable part of the stresses transmitted from said plow and from said elevator to said transverse frame structures, and substantially horizontal link connecting means between said elevator and said frame structure for holding the elevator in lateral position without carrying any part of the weight of the elevator.

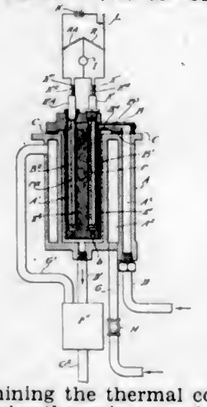
1,981,171
COFFEE MAKING APPARATUS AND METHOD
Paul Greenwald and Lewis E. Wolff, Brooklyn, N. Y., assignors of one-fourth to Samuel Greenwald, Brooklyn, N. Y.
Application April 14, 1933, Serial No. 666,112
10 Claims. (Cl. 53—3)

1. The method of making, mixing, and storing coffee extract, which comprises pouring boiling water through grindings in an elevated filter to make coffee extract which drains into a heated urn open to the atmosphere, and rapidly sucking the extract downwardly through an opening in the bottom of the urn and into a closed urn dis-



posed at a higher elevation than the first urn and maintained substantially at the temperature of boiling water, the suction setting up a vortex action in the liquid whereby it is thoroughly stirred as it is sucked away and whereby it may be maintained hot but not boiling, for service.

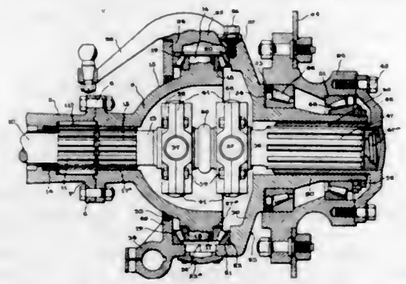
1,981,172
METHOD OF MEASURING THERMAL CONDUCTIVITY
Thomas R. Harrison, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 15, 1927, Serial No. 168,446
4 Claims. (Cl. 73—51)



1. In determining the thermal conductivity of a gas by measuring the resistance of a current carrying resistor in a cell containing said gas, the method which consists in passing the gas through said cell at a rate not widely different from that which is just sufficient to neutralize the resistor cooling effect of the convection circulation occurring when no gas is passed through the cell.

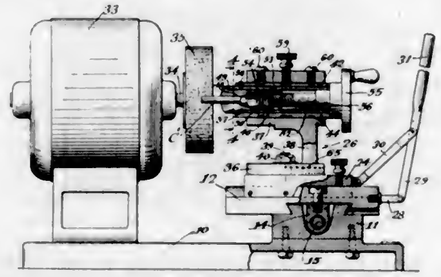
1,981,173
DRIVING MECHANISM FOR STEERING WHEELS OF MOTOR VEHICLES
Arthur W. Herrington, Washington, D. C.
Application May 15, 1930, Serial No. 452,689
5 Claims. (Cl. 180—43)

1. In a mechanism of the character described, a stationary housing having a hollow ball-shaped portion provided with diametrically opposite upwardly and downwardly projecting trunnions, a movable housing having a lower socket and an upper hollow boss into which said trunnions extend, said socket having a stationary seat arranged perpendicularly to the axes of the trunnions, an anti-friction thrust bearing permanent-



ly resting on said seat and interposed between said socket and the lower trunnion, an anti-friction thrust bearing interposed between said boss and the upper trunnion, a cap detachably secured to the housing and bearing upon the upper anti-friction bearing, and shims arranged between the boss and said cap to permit adjustment of the bearings to take up wear.

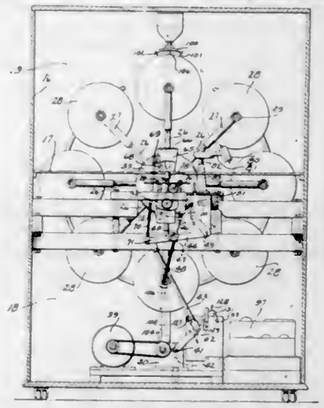
1,981,174
TOOL GRINDER
Frederick Hille, Los Angeles, Calif.
Application March 27, 1933, Serial No. 662,912
4 Claims. (Cl. 51—105)



1. A cutter grinder comprising a base, a cup grinding wheel rotatably mounted on said base with its axis disposed in a horizontal plane, a swiveled tool head slidably mounted on the base, a pair of cylindrical members having eccentric bores formed therethrough rotatably mounted in said tool head in relation to each other, means mounted in the inner member and rotatable therewith for positioning a cutter blank therein, and means for retaining said members in adjusted position whereby the cutter blank may be turned on a concentric or eccentric axis in relation to the tool head.

1,981,175
AUTOMATIC PHONOGRAPH MECHANISM
Charles Horn, Fond du Lac, Wis., assignor to Sylvester Adrian, Fond du Lac, Wis.
Application May 27, 1929, Serial No. 366,242
51 Claims. (Cl. 274—10)

23. In a device of the character described, a record conveyor comprising a hub, a fitting pivotally connected with said hub for movement in a plane including the hub axis, said fitting being provided with a stud projecting in said plane

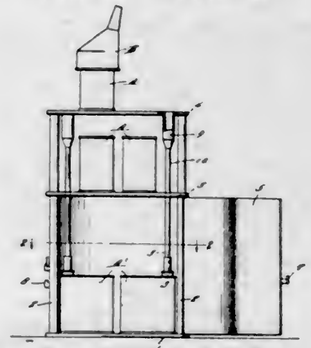


and an arm journaled on said stud and provided with record supporting means.

1,981,176
LIGNIN DERIVATIVES AND PROCESS OF MAKING SAME
Guy C. Howard, Wausau, Wis.
No Drawing. Application October 22, 1930. Serial No. 490,557
18 Claims. (Cl. 260—2)

1. The process which comprises treating waste sulphite liquor with solid phase caustic lime to produce a solid lignin-sulphonic acid compound containing 32 parts of organically combined sulphur to approximately 500 parts of lignin substance and substantially free from carbohydrate substances, converting said solid lignin-sulphonic acid compound, by treatment involving a sulphur loss, into an intermediate material containing 32 parts of organically combined sulphur to organic matter within the range of 500 to 1000 parts, and converting said intermediate material, by treatment involving a sulphur loss, into a solid material containing 32 parts of organically combined sulphur to substantially more than 1000 parts of organic matter.

1,981,177
CANNED OIL SERVICER
Harry R. Johnson, Baltimore, Ohio
Application May 24, 1934, Serial No. 727,349
2 Claims. (Cl. 221—68)



1. A device of the class described comprising uprights, a base to which the lower ends of the uprights are connected, an intermediate and a top shelf supported by the uprights, said shelves being adapted to support cans of oil with the top shelf receiving the can which is to be opened by

a knifed funnel, and a tube leading from the top shelf to a point adjacent the base, the upper end of the tube having a cylindrical enlargement, the upper end of which passes through a portion of the top shelf with its upper extremity flush with the upper surface of the shelf, said upper end receiving the spout of the funnel, after the funnel has been used, and the base receiving a can into which the oil passes from the tube.

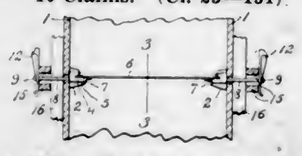
1,981,178

FORM CLAMP

Harry A. Kavnaugh and George F. Newton, Kansas City, Mo.; said Newton assignor to William S. Pattison, Kansas City, Mo.

Application September 14, 1932, Serial No. 633,092

10 Claims. (Cl. 25—131)



1. In a form clamp, an inwardly tapering clamping member having a hole therethrough, a spacing tie member having means for closing the inner end of said hole and for holding said clamping member against the inner side of the form sheathing, and a tensioning member adapted for lateral movement in said hole and against said clamping member, for loosening the latter in the set material in the form, and having means for releasably engaging and drawing said tie member against said clamping member, the latter, when the sheathing is removed, being movable on said tensioning member to and from its operative position against said tie member.

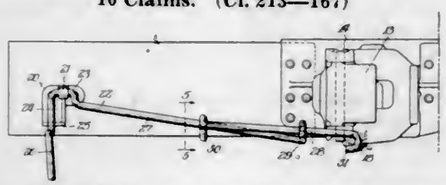
1,981,179

COUPLER

Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application October 29, 1928, Serial No. 315,624

10 Claims. (Cl. 213—167)



1. In a railway car or the like, the combination of a coupler, a bracket, and an operating device operatively attached to the coupler and supported at its outer end by said bracket, said operating device comprising two parts, said parts being connected together to transmit rotary movement from one part to the other, said parts being so constructed and arranged that the same are angularly disposed in relation to one another and in binding relation with one another when the coupler is in locked position so as to substantially eliminate lost motion therebetween upon initial movement thereof.

1,981,180

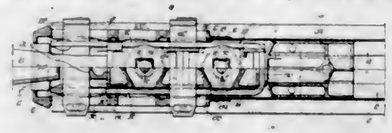
DRAFT GEAR

Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application December 24, 1931, Serial No. 582,910

8 Claims. (Cl. 213—7)

3. In a draft appliance, the combination of spaced draft sills, a backstop casting, a yoke between said sills and normally abutting said backstop, a draft gear embraced by said yoke, said draft gear including a front wedge member having a rearwardly disposed friction surface and a rear wedge member engaging said yoke and having a forwardly disposed friction surface and an intermediate wedge member having forwardly and rearwardly disposed friction surfaces in opposite relation to the friction surfaces of said front and rear wedge members, and friction blocks between said front and intermediate



and between said intermediate and rear wedge members and cooperating with the same upon rearward movement of said front wedge member for absorbing buffing forces, and means normally cooperating with said intermediate wedge members and sills for preventing forward movement of said intermediate wedge member whereby the friction blocks between said intermediate and rear wedge members only cooperate therewith for absorbing draft forces upon forward movement of said yoke.

1,981,181

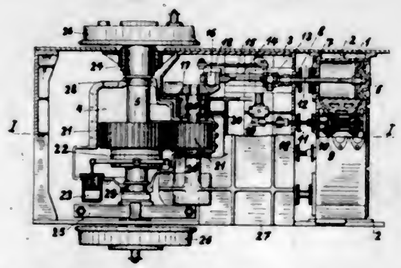
AUXILIARY-ENGINE FOR STEAM-DRIVEN LOCOMOTIVES

Rudolf Langner and Ladislav Hladik, Pilsen, Czechoslovakia

Application March 13, 1931, Serial No. 522,328

In Czechoslovakia March 29, 1930

8 Claims. (Cl. 105—115)



1. In a locomotive comprising a frame, wheel axles, wheels on said axles, resilient means for supporting said frame on said wheels, and a main steam engine supported by the said frame for propelling the locomotive, the combination of an auxiliary steam engine with frames which are disposed between and rigidly connected to the said first frame to form bracings therefor, one of said frames being constructed to form a casing enclosing the moving parts of the said auxiliary engine.

1,981,182

MARINE FENDER

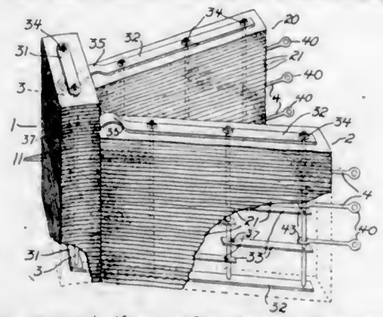
Charles T. Lyons, Medina, Wash., assignor to Durable Mat Company, Seattle, Wash., a corporation of Washington

Application December 23, 1931, Serial No. 582,782

25 Claims. (Cl. 114—219)

1. A ship's fender comprising a metallic skeleton of rods, and links joining the same, and generally shaped to fit the vessel for which it is intended, and a plurality of strips of resilient material disposed in parallel planes at right angles to the rods of the skeleton, and generally parallel to and enclosing the links, and

means to hold the strips in such disposition upon the skeleton, to mutually resist buckling,



and to present them edgewise to the vessel's outer surfaces.

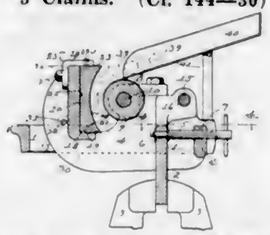
1,981,183

DOWEL-MAKING MACHINE

Anthony Margelis, Grand Rapids, Mich.

Application April 14, 1932, Serial No. 605,281

3 Claims. (Cl. 144—30)



1. In a machine of the character described which comprises a pair of relatively movable members and a pair of elements mounted on said members respectively and adapted to engage dowel pins received between said elements for reducing the diameter thereof, one of said elements having a rotative movement; a way on one of said members in which the other member is slidable to adjust the distance between said elements, said way comprising an elongated bearing surface on one of said members and a pin extending through said member and an extension of the other member slidably bearing between said surface and said pin.

1,981,184

TREATMENT OF LATEX

John McGavack, Leonia, and Ralph F. Tefft, Nutley, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a corporation of Connecticut

No Drawing. Application March 6, 1930, Serial No. 433,808. Renewed June 29, 1933

14 Claims. (Cl. 18—50)

1. A method of stabilizing latex which comprises treating latex with sodium perborate and ammonia whereby the latex is rendered highly resistant to coagulating agencies.

1,981,185

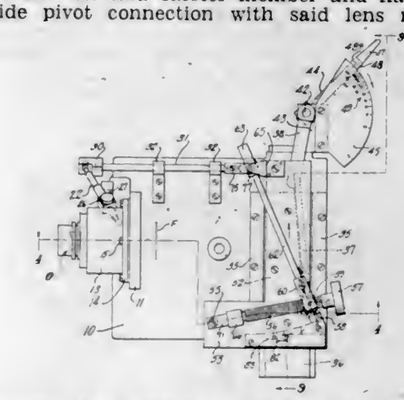
FOLLOW FOCUS MECHANISM

George A. Mitchell, Los Angeles, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware

Application March 27, 1933, Serial No. 662,957

20 Claims. (Cl. 95—45)

1. In a lens focusing mechanism, the combination of a movable lens moving member adapted to move a lens along its axis, a movable carrier member, a slide element angularly adjustable on said carrier member and having a slide pivot connection with said lens moving



member, and means for moving said carrier member.

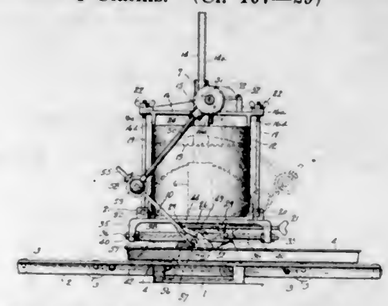
1,981,186

COOKY MOLDING MACHINE

Henry E. Nelson, Everett, Wash.

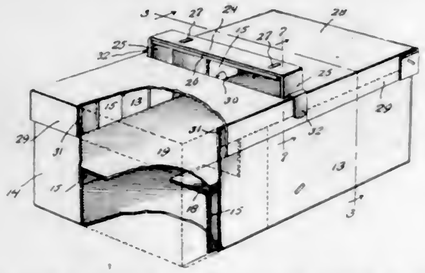
Application August 15, 1931, Serial No. 557,280

4 Claims. (Cl. 107—29)



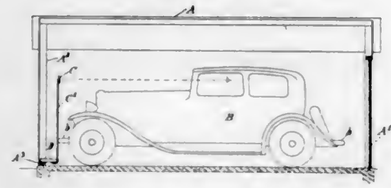
2. A device of the character described comprising a dough container having a base opening, a die plate fitted in said opening having a plurality of cooky molding openings through which dough may be ejected, a presser movable downwardly in the container against the dough to press it through said openings, a piston rod extended upwardly from the presser, a horizontal frame structure reciprocally movable beneath the container, a rocker frame mounted thereon, a cutoff wire mounted by the rocker frame, pan supporting rolls beneath the container, a pan movable thereon, a shaft having geared connection with the piston rod, a handle member swingingly suspended from said shaft, means operatively connecting the handle to said horizontal frame structure through connection with the said rocker frame for actuating the former back and forth beneath the container and whereby said rocker frame is actuated on each advance movement of the handle to raise the wire to cutoff position in passing beneath the die openings to cut off the dough ejected therefrom for deposit in said pan, and whereby on each retractive movement it is moved downwardly away from the die plate, ratchet mechanism connecting the handle with the said shaft and effective on each retractive movement of the handle to rotate the shaft to advance the piston downwardly, an advancing wheel for the pan and means carried by said horizontal frame for rotating said wheel on each retractive movement of the frame to advance the pan a definite interval.

1,981,187
BASKET
Claude C. Nuckols, Menands, N. Y., assignor to Albany Corrugated Container Corp., Albany, N. Y., a corporation of New York
Application March 23, 1933, Serial No. 662,327
1 Claim. (Cl. 229—15)



A basket formed from a single blank of material folded along spaced longitudinal and transverse score lines to provide opposed side and end walls, foldable extensions carried by said end walls and adapted to be secured to the inner faces of the adjacent side walls, a removable partition dividing the basket into separate compartments, and foldable flaps carried by said extensions of the end walls and adapted to be arranged within the basket to support said partition.

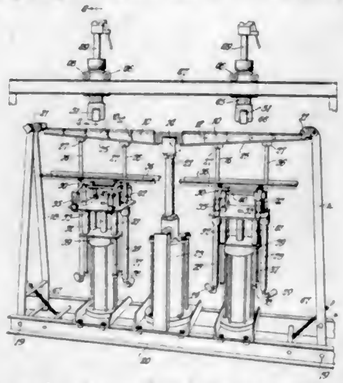
1,981,188
VEHICLE POSITION INDICATOR
William H. Pavitt, Bronxville, N. Y.
Application April 5, 1932, Serial No. 603,346
1 Claim. (Cl. 116—28)



The combination with an automobile storage space, of means for indicating the position of an automobile relative to the boundary of said space, comprising a vertically disposed flexible element, means for anchoring the lower end of said element in fixed position relative to said space, said element having a portion intermediate its ends in position for engagement by the bumper of an automobile entering said space and reaching the desired limit of its movement of approach to said boundary, and a target which is located within the normal range of vision of the driver of the automobile when the latter is in position to engage said element and is moved by the deflection of said element produced by said engagement.

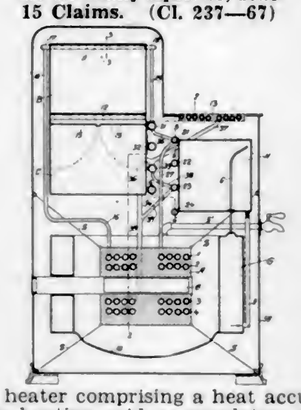
1,981,189
SPRING COVER APPARATUS
Victor W. Peterson, Chicago, Ill., assignor to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 23, 1932, Serial No. 600,669
16 Claims. (Cl. 153—1)

1. Spring cover applying apparatus comprising in combination spring straightening means, clamping means operated independently of the spring for applying forces normal to the sides of the spring to cause the cover to embrace the



spring, and means for moving said clamping means away from the spring.

1,981,190
HEATING APPARATUS
Wilhelm Pfeiffer, Kaaden-on-the-Eger, Czechoslovakia, assignor of one-third to Kurt Reiss, Saaz-on-the-Eger, Czechoslovakia
Application July 13, 1929, Serial No. 378,154
In Germany April 18, 1929
15 Claims. (Cl. 237—67)

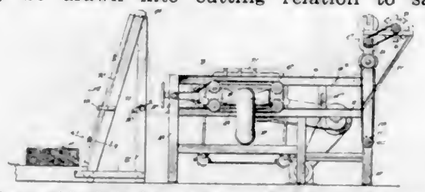


2. In a heater comprising a heat accumulator, means for heating said accumulator, a heating grid, and a closed liquid system connecting said grid and said accumulator, the combination of a valve in said system for interrupting the flow of liquid therein, and a diaphragm associated with said valve for exerting pressure thereon maintaining it in set position; said diaphragm being arranged beyond the region of high temperature of the valve.

1,981,191
SELVAGE TRIMMING MACHINE
Frank R. Piper, Fairfax, Ala., assignor to West Point Manufacturing Company, Langdale, Ala., a corporation of Alabama
Application December 9, 1931, Serial No. 579,937
13 Claims. (Cl. 26—7)

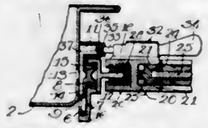
1. A selvage trimming machine comprising means for feeding a web of fabric through the machine, a cutting mechanism having vertically disposed cutting blades adjacent an edge of said fabric, and a fabric support, said fabric support comprising spaced horizontal bars extending transversely of the line of travel of said fabric and mounted for reciprocating movement

in vertical planes, a vertically movable plate adjacent said cutting blades, said plate having an aperture registering with said selvage edge of said fabric through which selvage threads may be drawn into cutting relation to said



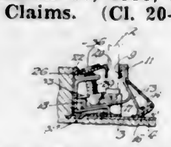
blades, said plate being connected to said spaced bars to reciprocate vertically therewith, whereby said aperture in said plate is constantly maintained in registry with said selvage edge while said fabric is reciprocated along the cutting edges of said blades by said fabric support.

1,981,192
WINDOW CONSTRUCTION
Francis J. Plym and Ivor G. Barclay, Niles, Mich., assignors to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application January 7, 1933, Serial No. 650,653
8 Claims. (Cl. 189—73)



1. In a window construction, a frame therefor comprising a jamb section adapted to be mounted in the window opening, attaching means for anchoring said section to the vertical supports defining said opening, and a jamb section engaging said first section and covering said attaching means whereby to prevent such means from working loose and out.

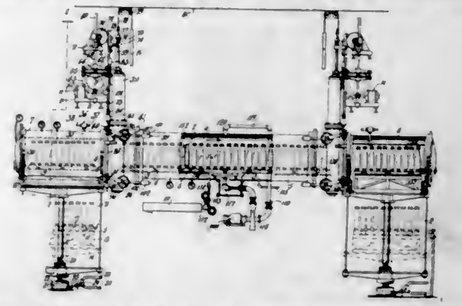
1,981,193
STORE FRONT CONSTRUCTION
Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application March 27, 1933, Serial No. 662,907
6 Claims. (Cl. 20—56.4)



1. In a store front construction, the combination of an inner and an outer glass retaining member, an adjusting screw on one of said members, and a rearwardly extending ledge on the other of said members and provided with an upstanding flange against which an end of said screw engages, said end of the screw when screwed downwardly against a side of said flange draws the ledge and its retaining member inwardly into glass retaining position.

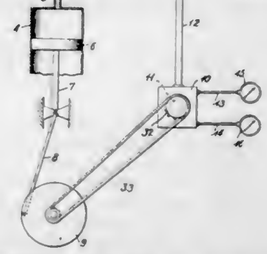
1,981,194
VULCANIZING APPARATUS
Chester J. Randall, Naugatuck, Conn., assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn., a corporation of Connecticut
Application April 16, 1932, Serial No. 605,637
15 Claims. (Cl. 18—6)

1. A vulcanizing apparatus comprising in combination, a vulcanizing chamber, a separate chamber adjacent thereto, means for establishing and disestablishing communication between the two chambers, article-carrying means adapted to pass through the chambers, means for conveying said article-carrying means into and



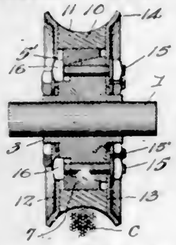
for closing said separate chamber, and means for conveying said article-carrying means from one chamber to the other when they are opened for communication.

1,981,195
DEVICE FOR THE INDICATION OF ALTERNATING PRESSURES
Kurt Rathke, Dusseldorf, Germany, assignor to Losenhausenwerk, Dusseldorf - Grafenberg, Germany
Application July 31, 1931, Serial No. 554,366
In Germany September 22, 1930
2 Claims. (Cl. 265—14)



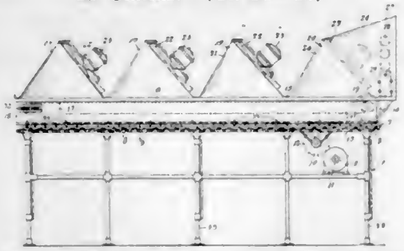
2. In combination with a material testing machine having a pressure chamber, a liquid in said chamber, means including said chamber and said liquid for applying alternate loadings to a specimen under test comprising driving means for imposing the alternate loadings upon the liquid in said chamber, a device for indicating the alternate loadings upon the liquid comprising a pressure gauge for indicating the maximum loading, a pressure gauge for indicating the minimum loading, a communicating channel between said pressure chamber and said gauges comprising a distributor valve including a hollow block having two outlet passages, one connected with each of said pressure gauges, an inlet passage in said block communicating with said pressure chamber, a cylinder with at least one passage therein rotatably mounted in said block, and means for rotating said cylinder by said driving means for registering communication between said pressure chamber and said gauges through said passages only at the maximum and minimum loading limits imposed upon the tested specimen.

1,981,196
WHEEL
Byron C. Riblet, Spokane, Wash.
Application November 2, 1932, Serial No. 640,891
3 Claims. (Cl. 64—17)



1. The combination in a sheave having a demountable rim, a hub, and an intermediate locking ring, of a side ring, bolts having angular heads engaging the locking ring and located in recesses in the hub, and said heads projecting through complementary angular holes in the side ring and exterior nuts on said bolts, a second side ring, and bolts passing through both side rings and the hub, for the purpose described.

1,981,197
METHOD AND APPARATUS FOR DRYING FRUIT
Frank B. Roberts, Anaheim, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application May 19, 1931, Serial No. 538,462
11 Claims. (Cl. 34—12)

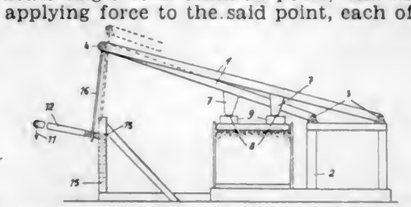


1. The method of drying fruit which includes moving the fruit through a path of travel, contacting the fruit with relatively high speed revolving brushes, revolving in the direction of travel of the fruit on axes substantially at right angles to the line of travel of the fruit, the rate of travel of the brushes being in the relation of 150–200 R. P. M. for brushes of 4½ inch diameter and conveying the liquid mechanically dispersed from the surface of the fruit away from the fruit with a current of air.

10. In a fruit dryer, the combination of a drying chamber, means for moving fruit through the drying chamber, a plurality of drying substantially cylindrical brushes mounted in the drying chamber with their axes of rotation at substantially right angles to the travel of the fruit, means for rotating the brushes at such speed as to mechanically disperse liquid from the surface of the fruit, and means for creating a current of air in the chamber.

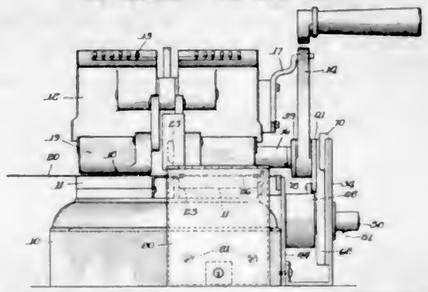
1,981,198
LEVER PRESS
Otto Rupp, Burgenland, Austria
Application July 18, 1934, Serial No. 735,794
In Austria September 13, 1933
7 Claims. (Cl. 100—41)

1. In a lever press, more particularly for fruit, a press cage, at least two pressing levers fixedly fulcrumed at separate points and converging at an acute angle to a common point, and means for applying force to the said point, each of the



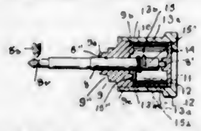
said levers being adapted to transmit a different and varying proportion of the said force to the matter for pressing in the said cage.

1,981,199
EJECTOR FOR PERFORATING MACHINES
Joseph F. Ryan, Chicago, Ill., assignor to Cummins Perforator Company, Chicago, Ill., a corporation of Illinois
Application May 29, 1933, Serial No. 673,375
30 Claims. (Cl. 164—86)



1. In a perforating machine for stub bills or similar business forms, the combination with an ejector for automatically discharging the stub portion of the perforated bill, and means locking the machine preventing a perforating operation when the ejector is in the path of the perforating dies.

1,981,200
AUTOMATIC CLOSING FIRE VALVE
George W. Schultz, Reading, Pa.
Application March 29, 1932, Serial No. 601,851
8 Claims. (Cl. 137—162)

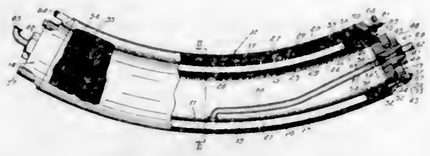


3. The combination with a flow controlling valve having a pivot shaft, a plug connected with the body of the valve and forming a bearing through which the shaft extends, a retaining tube having interlocking engagement with the plug, a fusible element interlocked to the retaining tube and shaft, a coil spring on the shaft having one end engaging the connecting plug, the other end of the spring engaging the shaft to turn the same, and a housing coupled to the connecting plug and having an opening closed by the fusible element.

1,981,201
CURING BAG
Clyde M. Semler, Stow, Ohio
Application March 29, 1933, Serial No. 663,393
19 Claims. (Cl. 18—45)

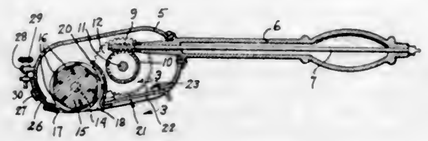
7. In a curing bag in combination an expansible sleeve having ends; a spacing member disposed therein and terminating adjacent said ends; a cap member fixedly secured to one end of said

spacing member; means secured to the adjacent end of said sleeve for sealing said end in said cap member; a second cap member detachably secured to the opposite end of said spacing member; means



secured to the adjacent end of said sleeve for sealing said end in said second cap member; and means for detachably securing said second cap member to said spacing member.

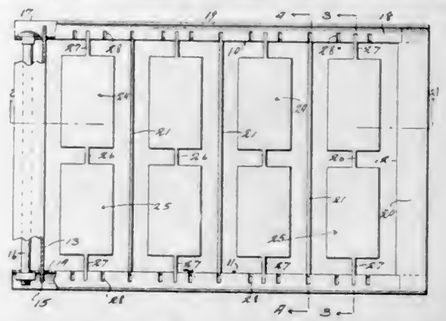
1,981,202
MOWER RAZOR
Charles W. Shipman, Spokane, Wash.
Application January 8, 1934, Serial No. 705,714
1 Claim. (Cl. 30—12)



A mower razor comprising a casing having an opening in its bottom, a slidable door for said opening, said casing having a second opening in its bottom, a stationary knife fixed to the bottom and projecting into the second opening, a rotor mounted to revolve within the casing, a plurality of spiral cutting blades detachably fixed to the rotor and arranged to contact with the stationary knife, a shield for the rotor and its blades, a pair of spur gears fixed to the rotor, a pair of spur gears meshing with the first named gears, a shaft journaled transversely of the casing and supporting the last named gears, a worm gear fixed centrally on said shaft, a longitudinal shaft projecting into the casing, a worm formed on an end of the longitudinal shaft and meshing with said worm gear, a hollow handle fixed to the casing and housing the longitudinal shaft, said casing having an opening in its side, and a plate detachably fixed to the casing and closing said opening.

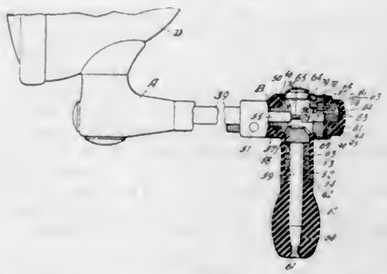
1,981,203
CEMENT MOLD
Henry J. Siems, Corpus Christi, Tex., assignor to Eulie B. Eldson, Corpus Christi, Tex.
Application August 18, 1932, Serial No. 629,353
1 Claim. (Cl. 25—121)

A mold comprising side and end members, means for securing the members together, partitions disposed in parallel relation to said end members, said side members having a plurality of longitudinally spaced openings, lugs carried by said partitions for engagement in selected openings of the side members, core members, supporting lugs carried by said core members and disposed with one edge thereof flush with a face of the core members, horizontal outwardly extending flanges carried by said side members, and a vertical flange carried by each horizontal flange, said horizontal flanges having openings on the inner edge thereof and said side members having slots therein communicating with the openings of said flanges to receive an end of said supporting lugs of said core members, the upper edge of each supporting lug being disposed flush



with the upper face of said horizontal flanges and the upper edge of said side members to facilitate smoothing of the material in the form when the material is in a plastic state.

1,981,204
SWITCH FOR DIRIGIBLE LIGHTS
Clifford Sklarek, Los Angeles, Calif., assignor to International Spotlight Corporation, Chicago, Ill., a corporation of Illinois
Original application October 11, 1930, Serial No. 487,975, now Patent No. 1,921,785, August 8, 1933. Divided and this application July 13, 1933, Serial No. 680,207
2 Claims. (Cl. 200—157)

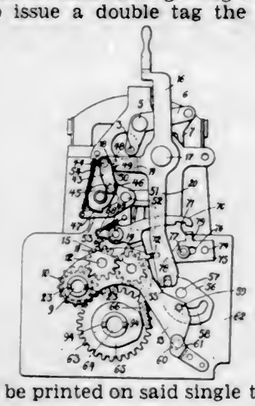


1. In a dirigible light, the combination with a handle housing; of a switch mounted thereon, said switch including an insulated lead-in block having two relatively fixed spaced contacts, and an insulated rotor, the latter having two separated coil springs seated therein and in electrical communication with each other, one coil being continuously in contact with one of said contacts and the other adapted to make and break contact with the other of said contacts of the lead-in block upon rotation of the rotor.

1,981,205
STOCK CONTROL REGISTER
Percy G. Stimson, Dayton, Ohio, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee
Application October 26, 1932, Serial No. 639,677
9 Claims. (Cl. 101—66)

1. In a machine, a member capable of being set to a plurality of positions, means whereby when it is set to one position a single tag will be issued and when set to another position a double tag will be issued and means whereby when the mem-

ber is first set to issue a single tag and is thereafter set to issue a double tag the same serial



number will be printed on said single tag and said double tag.

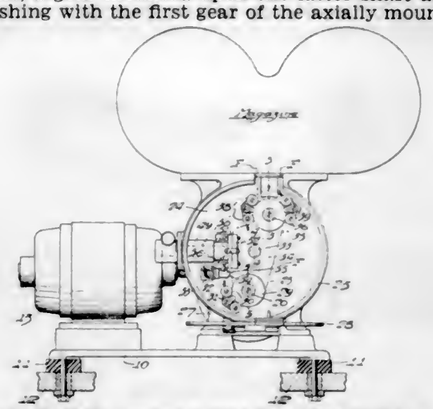
1,981,206
HIGHWAY PATH INDICATOR
Joseph B. Strauss, San Francisco, Calif.
Application December 9, 1932, Serial No. 646,500
1 Claim. (Cl. 88—1)



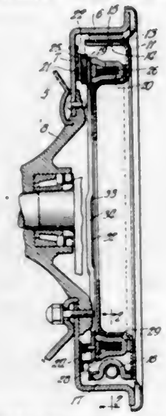
A transparent light transmitting element adapted to be positioned in a highway to define a definite path of travel for a motor vehicle, comprising an elongated substantially rectangular body, being cut away adjacent its upper surface to provide a pair of lateral shoulders and having a V shaped bottom surface extending from end to end thereof, the opposite sides of said V shaped bottom surface being further formed with V shaped serrations extending in a general direction from side to side of said body, said serrations forming flat inclined reflecting surfaces.

1,981,207
SOUND-ON-FILM RECORDING CAMERA
Chester Tappan, New York, N. Y., assignor to General Talking Pictures Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1932, Serial No. 615,923
Renewed June 8, 1934
4 Claims. (Cl. 179—100.3)

1. A sound-on-film camera including in combination a support, a circular casing open at one side and mounted upon said support with the open end at right angles to the base thereof, said casing being provided with an opening adjacent the top thereof and through which the film is passed, a double film magazine casing mounted upon the circular casing which constitutes a support therefor, an axially mounted shaft mounted in the circular casing and projected externally thereof, a gear mounted thereon two substantially diametrically disposed shafts mounted in the circular casing and upon opposite sides of the first shaft, the inner ends of the shaft projecting within the casing, two film driving sprockets, one mounted upon each of the latter shafts within the casing, a fly wheel mounted upon the lower of the last two shafts externally of the casing, a prime mover operably connected to said latter shaft for driving the same, a gear mounted upon the latter shaft and meshing with the first gear of the axially mounted shaft, and a gear carried by the remaining of the two shafts and in mesh with the gear upon the axially mounted shaft.

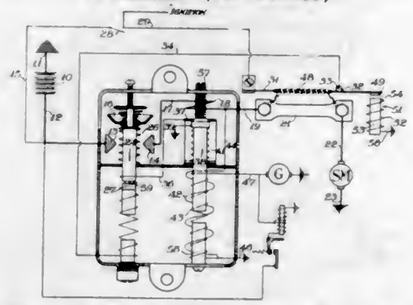


1,981,208
ELECTROMAGNETIC FRICTION DEVICE
Arthur P. Warner, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill., a corporation of Illinois
Application March 3, 1930, Serial No. 432,656
10 Claims. (Cl. 188—140)



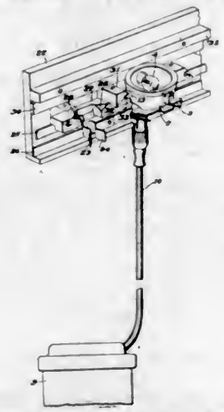
1. An electromagnetic friction device combining a ring of magnetic material having two radially spaced poles with flat magnetic faces, a second ring of magnetic material having a flat face bridging said pole faces, a winding enclosed by said poles and adapted when energized to bring the coacting friction faces of said rings into gripping engagement, said rings being arranged for relative rotational movement, and means operating as an incident to relative rotational movement between said rings to dissipate the residual magnetic field which threads the magnetic circuit through said rings upon deenergization of said winding comprising a groove formed in and extending radially across the entire face of said second ring so as to define an air gap opposite both of said pole faces, the edges of said groove being spaced circumferentially a substantial distance so as to allow dissipation of the residual flux in each section of said magnet ring with which said air gap becomes associated in the relative motion between the rings.

1,981,209
AUTOMATIC STARTING MECHANISM FOR INTERNAL COMBUSTION ENGINES
Daniel L. Wertz, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application April 29, 1931, Serial No. 533,620
4 Claims. (Cl. 290—38)



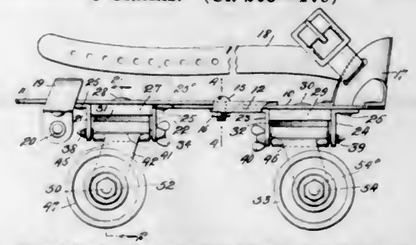
1. In an automatic starting mechanism for internal combustion engines, a starting circuit including a source of energy, a starting motor and a starting switch for controlling said motor, a control circuit for said starting switch including electro-magnetic actuating means therefor, a manual switch and an automatic switch; a holding circuit for said automatic switch including means for retaining the automatic switch in open position; and means responsive to overload of said starting circuit for opening said control circuit and closing said holding circuit, said manual switch being included in both the control circuit and the holding circuit whereby opening of said manual switch breaks both control and holding circuits.

1,981,210
APPARATUS FOR CHARGING MINERS' LAMPS
Grant Wheat, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Application December 28, 1932, Serial No. 649,145
7 Claims. (Cl. 171—314)



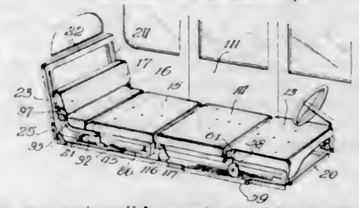
1. In a charging rack for miners' lamps of the type in which the headpiece is provided with a switch in the charging circuit, said switch including an operating element, the combination with means for supporting said headpiece in charging position, and means for preventing the movement of said headpiece into said position unless said switch is in substantially its charging position.

1,981,211
SKATE
John A. Zareko, Brooklyn, N. Y.
Application August 25, 1931, Serial No. 559,223
5 Claims. (Cl. 208—179)



1. In a skate, the combination of a foot-plate, a pair of spaced brackets rigidly fixed to each end of the bottom of the plate, the brackets extending in a series longitudinally of the plate, yokes having pivotal connection with the brackets, longitudinal of the plate, and their arms extending downwardly below the brackets, a socket member rigidly fixed to the plate within each pair of brackets, elastic means within the socket members, and between the plate and the yokes and on which the yokes bear, each elastic means extending in one piece over the pivot, and rollers mounted on the yokes.

1,981,212
BED FOR AUTOMOTIVE VEHICLES
Theodore Zeller, Chicago, Ill., assignor of one-half to Albert Kaechele, Chicago, Ill.
Application July 12, 1933, Serial No. 680,005
7 Claims. (Cl. 155—7)



1. In an extensible seat structure, the combination of a pair of horizontal guides with a seat framework comprising a horizontal frame and a substantially upright back frame, said back frame being pivotally mounted with respect to said horizontal frame, and said horizontal frame being slidably mounted on said guides, racks carried by said guides, gears carried by said horizontal frame engaging said racks, pinions for actuating said gears, and a segmental gear carried by said back frame to engage said pinion and rotate said gear on said rack to advance the horizontal frame with respect to said guides when said back frame is pivoted in a predetermined direction.

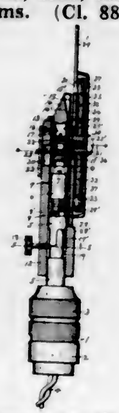
1,981,213
ELECTRIC SWITCH
Alex Zwierzynski, New York, N. Y., assignor to Henry Hyman, Brooklyn, N. Y.
Application June 10, 1931, Serial No. 543,342
7 Claims. (Cl. 200—60)



1. In an electric switch, a housing having a plurality of slots in a wall thereof, a longitudinally movable switch member in said housing, said switch member having a lug to catch in

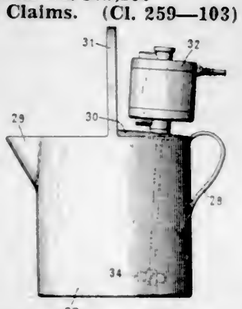
said slots, spring means near opposite ends of said switch member to cause said lug to enter said slots, and means to remove said lug from said slots and move said switch member longitudinally.

1,981,214
OPHTHALMOSCOPE
William N. Allyn, Auburn, N. Y.
Application July 18, 1932, Serial No. 623,149
12 Claims. (Cl. 88—20)



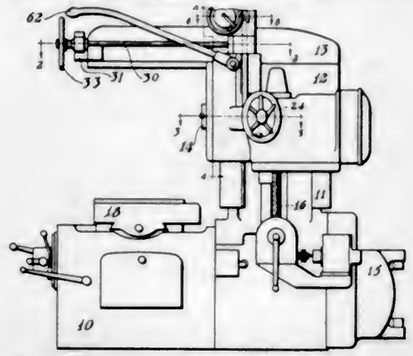
1. In an ophthalmoscope, the combination of a tubular head and a support therefor, a source of light on the support within the head, a projecting lens mounted on the outer end of the head, said head being adjustable axially relatively to the source of light to vary the distance between said source and projecting lens, releasable means for holding said head in its adjusted position, a diaphragm slide movable across the axis of the tubular head between the light source and lens, and means for maintaining a definite axial distance relation between the light-source and slide in all positions of axial adjustment of the tubular head relatively to its support.

1,981,215
MIXER
Samuel Alsop, New York, N. Y.
Original application July 10, 1929, Serial No. 377,222. Divided and this application October 30, 1931, Serial No. 572,160
4 Claims. (Cl. 259—103)



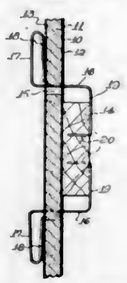
1. The combination of a portable container, an agitator therein, a support formed integrally with said container, a motor for operating said agitator secured to said support and a handle formed integrally with said container and support, said handle and support being positioned to one side of the center of said container whereby said container and contents may be transported by said handle in a balanced position.

1,981,216
MILLING MACHINE
Walter D. Archea, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application June 13, 1930, Serial No. 460,999
11 Claims. (Cl. 90—16)



1. A milling machine having a column, a cutter spindle supported on the column for rotative movement and for axial movement, remote control means including a hand wheel for effecting axial adjustment of the spindle, toggle operated clamp means for securing the spindle in adjusted position, and a remote control lever for said toggle means situated adjacent said hand wheel.

1,981,217
ATTACHING CLIP
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application February 29, 1932, Serial No. 595,681
6 Claims. (Cl. 72—101)

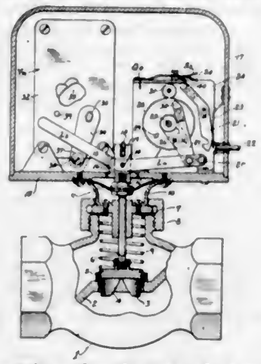


1. An attaching clip for nailing strips, a clip body having an outstanding leg adapted to be inserted through an opening in a wall panel and having a resilient section adapted to resiliently engage the rear face of said wall panel, and means associated with said clip body for engaging a nailing strip and holding said nailing strip into contact with the front face of the panel.

1,981,218
CONTROL VALVE FOR HEATING SYSTEMS
Vilynn O. Beam and Nelson T. Branche, Toledo, Ohio, assignors to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application October 28, 1933, Serial No. 695,560
12 Claims. (Cl. 236—74)

10. In a valve operating mechanism, the combination of means for quickly opening the valve to a predetermined position less than fully open

position, and means comprising a rotary electric motor and a crank operated by said motor for

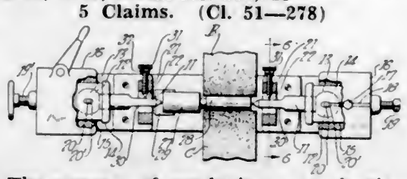


gradually varying the degree of opening of the valve between the said two positions.

1,981,219
INSECTICIDE
Edgar C. Britton and Lindley E. Mills, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 22, 1930, Serial No. 483,751
4 Claims. (Cl. 167—31)

1. An insecticidal composition suitable for application on the foliage of plants and trees without causing injury thereto, containing an orthophenylphenol compound.

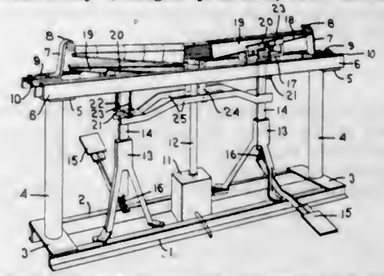
1,981,220
ART OF GRINDING
John E. Caster, Covington, Ky., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Original application April 14, 1926, Serial No. 102,067. Divided and this application December 12, 1930, Serial No. 501,915
5 Claims. (Cl. 51—278)



1. The process of producing a work piece of circular form in cross-section with a predetermined axis in a centerless grinder, consisting in forming centers to establish the axis of the work piece, introducing the work piece between the grinding and regulating wheels of a centerless grinder, supporting the work piece peripherally in said grinding throat for free movement relative to the wheels, as imparted by the support, decreasing the width of the grinding throat to cause the desired stock reduction and limiting the movement of the centers and established axis in the direction of the grinding wheel.

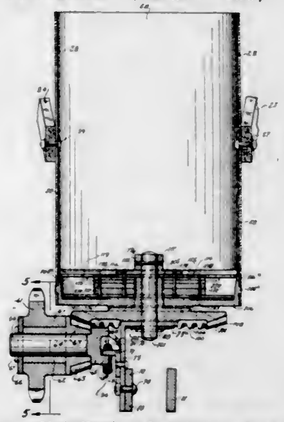
1,981,221
APPARATUS FOR APPLYING SPRING COVERS TO SPRINGS
Walter R. Chesley, Somerville, Mass., assignor to Ajax Spring Stabilizer Company, Cambridge, Mass., a corporation of Illinois
Application April 10, 1931, Serial No. 529,160
14 Claims. (Cl. 153—1)

7. Apparatus for applying spring covers to semi-elliptical leaf springs comprising a cradle having members to engage the ends of the spring, power-applying means to engage the central portion of the spring operable in co-operation with said end-engaging means to flex the spring to approximately straight position, and means for



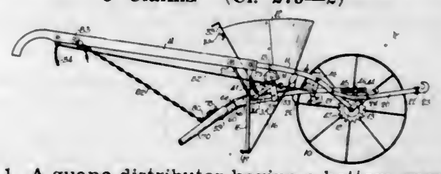
clamping the cover upon the bottom and sides of the spring while the latter is in straightened position.

1,981,222
GUANO DISTRIBUTOR
Eugene M. Cole, Charlotte, N. C.
Application October 28, 1931, Serial No. 571,648
10 Claims. (Cl. 221—125)



1. A guano distributor having a hopper and a bottom member fixedly secured to said hopper, said hopper having an opening in the lower portion thereof, a rotatable member comprising upper and lower spaced plates providing a space therebetween, said upper plate having a plurality of openings therein whose width is less than the opening in the hopper, a deflector mounted on the hopper and extending between the plates, said plates having a vertically disposed shaft secured thereto and extending thru said bottom and being rotatably mounted in said bottom, a gear secured to the lower end of said shaft below said bottom and driving means for said gear.

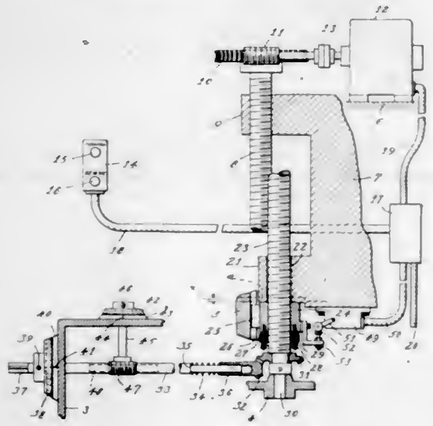
1,981,223
FERTILIZER DISTRIBUTOR
Eugene M. Cole, Charlotte, N. C.
Application July 28, 1933, Serial No. 682,646
5 Claims. (Cl. 275—2)



1. A guano distributor having a bottom, means for imparting vibratory movement to the bottom,

an apron pivotally secured to the lower end of said bottom, a plurality of spouts secured to said apron for receiving the guano from the apron and delivering it to the soil over which the distributor is being moved.

1,981,224
AUTOMATIC POSITIONING MECHANISM
Charles B. De Vlieg, Jackson, Mich., assignor to Associated Patents, Inc., Cincinnati, Ohio, a corporation of Ohio
Application December 16, 1932, Serial No. 647,663
35 Claims. (Cl. 90—16)

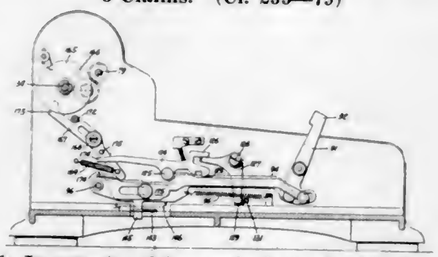


1. Automatic positioning mechanism comprising, in combination with a movable machine tool element, a propelling screw therefor threading in a part rigid therewith, a motor for driving the screw in either direction, another screw parallel with the propelling screw and disposed so that a portion of the machine tool element is movable endwise relative thereto, a stop nut threaded on the second screw and held against turning so as to travel along the screw when the same is turned, said nut being disposed for engagement by the last mentioned portion of the machine tool element, manually operable means to turn said screw, means combined therewith to indicate directly in the operation thereof the extent of movement given said nut, a limit switch for opening the motor circuit, said switch being movable with said machine tool element and having a movable operating arm extending therefrom, and an abutment for engagement by said arm movable with said stop nut in the adjustment thereof.

1,981,225
PROCESS FOR THE TREATMENT OF YEAST AND THE PRODUCT PRODUCED THEREBY
Curtis P. Freshel, New York, N. Y.
No Drawing. Application January 14, 1933, Serial No. 651,851
7 Claims. (Cl. 99—11)

3. The process of treating dry powdered yeast which comprises exposing a large surface area of dry powdered yeast to smoke of a nature which will eliminate the natural taste of the yeast and in place thereof will impart to the yeast an acceptable taste having no resemblance to the natural taste of yeast.

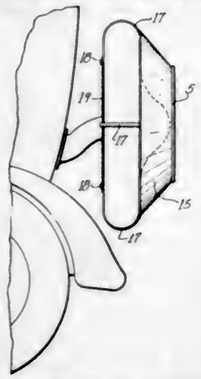
1,981,226
CALCULATING MACHINE
Carl M. F. Friden, Oakland, Calif., assignor to Marchant Calculating Machine Company, Emeryville, Calif., a corporation of California
Application December 10, 1928, Serial No. 324,855
Renewed October 13, 1933
8 Claims. (Cl. 235—79)



1. In a motor driven calculating machine, numeral wheels, a uniaxial actuator therefor, means for connecting the motor to the actuator, normally disabled overdraft control means controlled by said numeral wheels and operable by said actuator and a manually operable member movable to operative position to actuate the connecting means to initiate subtractive rotation of the actuator and enable the overdraft control means.

7. A motor driven calculating machine comprising a drive controlling clutch, reversing mechanism, means operated by the driven mechanism for causing a series of operations of said reversing mechanism without operating said clutch, and a single means for conditioning said means and operating said clutch.

1,981,227
DISPLAY DEVICE
William L. Fuchs, St. Louis, Mo.
Application February 26, 1934, Serial No. 712,921
4 Claims. (Cl. 40—129)

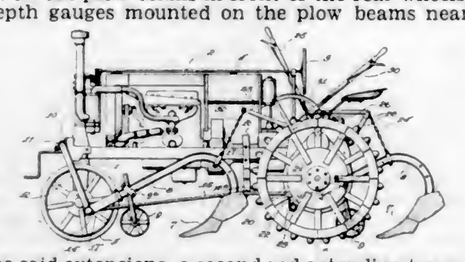


3. A device of the class described, comprising a tapered tubular member, a display panel extending across the small end of said member, and means for fastening the other end of said member to a spare tire or wheel, said means comprising a plurality of flexible straps secured to said member, and an elastic band engaging said straps.

1,981,228
BUSTER LEAD ATTACHMENT FOR TRACTORS
Bill Ganaway, Waxahachie, Tex.
Application December 18, 1933, Serial No. 702,958
4 Claims. (Cl. 97—47)

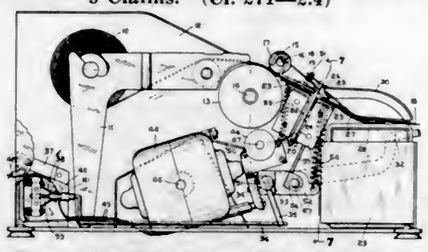
1. In combination with a tractor buster plow of the three plow type, a rod connected to the forward end of the tractor frame and extending

rearwardly and downwardly of said frame, the said rod having lateral extensions adjacent the front wheels of the said tractor, means for bracing said extensions, plow beams pivotally mounted on said extensions and extending rearwardly in alinement with the rear wheels, plows mounted on the plow beams in front of the rear wheels, depth gauges mounted on the plow beams near



the said extensions, a second rod extending transversely across the rear of the tractor frame and having a vertically adjustable plow beam connected to the center of the second rod with a plow mounted thereon, adjustable levers positioned near the tractor seat to operate each plow separately into and out of engagement with the land.

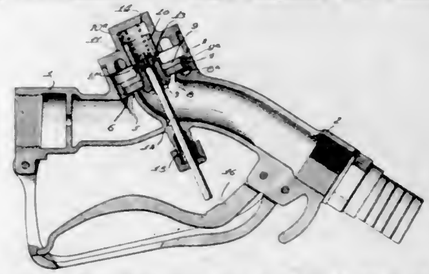
1,981,229
ELECTRICALLY OPERATED STRIP SERVER
Alexis F. Gillet, Omaha, Nebr., assignor to Jubilee Manufacturing Co., Omaha, Nebr., a corporation of Nebraska
Application December 7, 1931, Serial No. 579,494
5 Claims. (Cl. 271—2.4)



1. In an electrically operated strip server, an operating shaft, short and long pins on said shaft, a pivotally mounted electric motor, an extension frame on the motor having a slot to receive the short pin, a switch in circuit with the motor, connections to the long pin to open and close said switch, drive means carried by the extension frame of the motor and driven from said motor at reduced speed, and feed rollers for the strip engaged by said drive means.

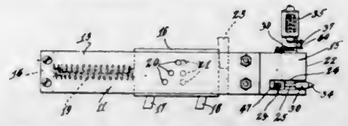
1,981,230
VALVE
William N. Glab, Dubuque, Iowa, assignor to Morrison Bros., Dubuque, Iowa, a corporation of Iowa
Application November 18, 1931, Serial No. 575,719
2 Claims. (Cl. 137—139)

2. A valve body having means defining an inlet and an outlet therefor, and having an upwardly extending annular portion provided with a closure member defining a fluid chamber communicating with the inlet and with the outlet, an annular partition in said body providing a seat for a main valve and being positioned relative to said annular extending portion to provide a port for the flow of fluid from the inlet to said chamber, a main valve member in said chamber and adapted to engage said seat and being positioned relative to a wall of said extending portion and to said partition to obstruct the inlet port when in closed position, said main valve member having a central bore and being provided with means to form a seat for an auxiliary valve, an auxiliary valve in said chamber adapted to seat on said main valve member to close the bore thereof, an operating rod connected to said auxiliary valve mem-



ber and extending through a wall of said valve body, said closure member being provided with a bore, means slidable in said bore providing a guide for said auxiliary valve, and a spring positioned between said closure member and said auxiliary valve to urge said main and said auxiliary valves to closed position.

1,981,231
REGISTERING STOP DEVICE
Edwin J. Grant, Los Angeles, Calif.
Application October 12, 1931, Serial No. 568,489
5 Claims. (Cl. 235—91)



1. A stop device of the character described comprising a holder, a carriage adjustably carried by said holder, a head piece provided with a vertical face and a horizontal slot carried by said carriage, an arm pivotally mounted in said slot, a nose piece slidably carried by said arm, means for yieldably urging said nose piece outwardly on said arm and beyond the plane of said face, a counter carried by said head, and means operably connecting said arm with said counter.

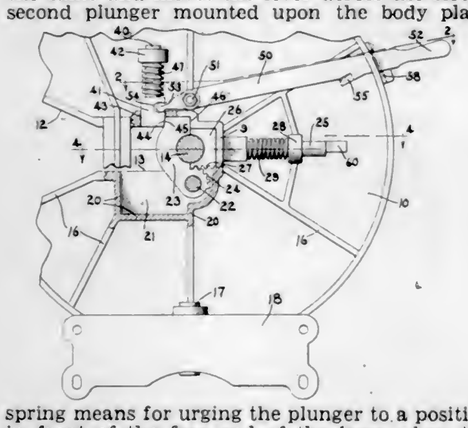
1,981,232
PLASTICS
William A. Hamor and Werner W. Duecker, Pittsburgh, Pa., assignors to Texas Gulf Sulphur Company, Bay City, Tex., a corporation of Texas
No Drawing. Application October 5, 1932, Serial No. 636,337
12 Claims. (Cl. 106—22)

1. The method of producing plastic sulphur which comprises heating a mixture of elemental sulphur and an arsenic sulphide to a temperature above 200° C., and rapidly cooling the resulting fluid to a temperature below the melting point of sulphur, the amount of arsenic sulphide employed being equal to about 10% of the weight of the mixture.

1,981,233
FIFTH WHEEL FOR TRAILERS
Charles M. Harris, Holland, Mich.
Application July 26, 1934, Serial No. 737,038
6 Claims. (Cl. 280—33.1)

4. In combination, a body plate having an open ended slot adapted to receive a pin therein, a lever pivoted adjacent the slot and swingable thereacross, plunger means located in the slot and

connected to the lever whereby the pin engages the same and moves the lever across the slot, a second plunger mounted upon the body plate,



spring means for urging the plunger to a position in front of the free end of the lever when the lever is located across the slot.

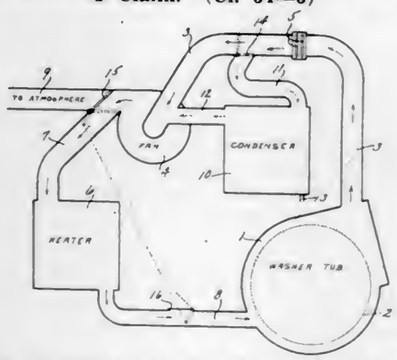
1,981,234

APPARATUS FOR CLEANING FABRIC

Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application April 23, 1931, Serial No. 532,185

1 Claim. (Cl. 34—3)



Dry cleaning apparatus wherein fabric is subjected to a volatile detergent comprising, a fabric treating compartment, a fan, and an air heater arranged in the order named and forming a part of a closable circuit including connections leading from one to the other, the connection between the treating compartment and the fan being direct and leading from the treating compartment to the intake side of the fan, a condenser operatively connected in parallel with the connection between the treating compartment and the fan, a single valve means movable to two positions, one to close off said condenser as a part of the closable circuit and the other to render it an effective part thereof, a valve controlled air inlet in the connection between the air heater and the treating compartment, a discharge connection from the fan to the atmosphere preceding said heater, and a two-way valve operable to selectively connect the discharge connection of the fan with the air heater in a closed circuit or with the atmosphere, whereby a continuous stream of fresh air for fabric deodorizing purposes may be drawn from the atmosphere, passed through said treating compartment and then discharged to the atmosphere, with the condenser either included in or omitted from the circuit.

1,981,235

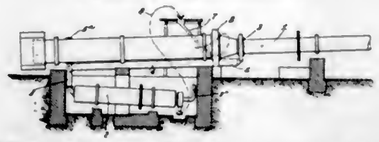
BURNING OF CEMENT, ETC.

Mikael Vogel-Jorgensen, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application September 9, 1932, Serial No. 632,301

In Great Britain November 16, 1931

3 Claims. (Cl. 222—7)



1. The process of burning cement raw material and the like, which comprises burning the material, subjecting to the products of combustion a heat-resistant, heat transmitting material, raising thereby the temperature of the heat-resistant, heat transmitting material to a temperature above that required for calcination of the material to be treated, mixing the heat transmitting material at such temperature with the material to be treated calcining the material to be treated by the transmission thereto of the heat of the heated transmitting material, and continuing the burning of the calcined material.

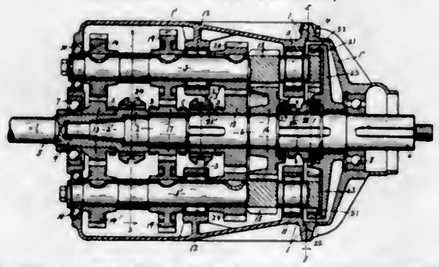
1,981,236

VARIABLE SPEED POWER TRANSMITTING MECHANISM

Charles H. Logue, Syracuse, N. Y.

Application December 22, 1932, Serial No. 648,399

6 Claims. (Cl. 74—375)



1. In a variable speed power transmitting mechanism for motor vehicles, the combination with co-axial driving and driven elements having adjacent ends journaled one upon the other, and a countershaft, of axially spaced loose gears on the driving and driven shafts respectively, tight gears on the countershaft in constant mesh with said loose gears, a clutch splined on the driving shaft and movable alternately into and out of engagement with the loose gears, an additional loose gear on the driven shaft, an additional tight gear on the countershaft in constant mesh with the additional loose gear, and a clutch splined on the driven shaft and movable at will into and out of engagement with said additional loose gear.

1,981,237

MULTIMOTORED AIRPLANE

Allan H. Loughead, Los Angeles, Calif., assignor to Alhambra Airport and Air Transport Company, Denver, Colo.

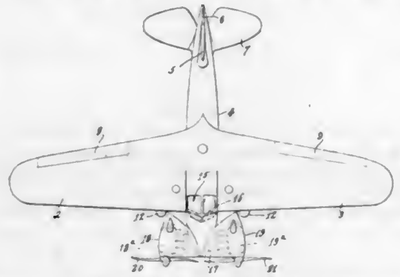
Application December 8, 1930, Serial No. 500,811

Renewed December 16, 1932

6 Claims. (Cl. 244—14)

1. An airplane comprising a body and wing structure contiguous with the upper wall of said body, a body having a nose extended in front of

the wing structure, a pair of motor nacelles secured in horizontal alignment to the sides of said nose and communicating with the interior of the body, a motor within each nacelle, propellers for said motors disposed in front of the nacelle



and brought close together and in vertical alignment, a stream lined motor housing lying mainly in front of the main wing structure, and a common starting motor for the motors within the nacelles, said common starting motor being disposed within the nose of the body.

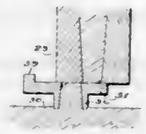
1,981,238

MACHINE FOR FORMING GLASS ARTICLES

Garland Lufkin, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application October 31, 1930, Serial No. 492,380

13 Claims. (Cl. 49—5)



1. The combination of a suction gathering mold, a glass gathering device interposed between the mold and a supply body of molten glass, said device formed to provide a passageway through which glass is drawn from the supply body into the mold cavity, a pair of shears interposed between said gathering device and the mold and provided with openings therethrough in register with said passageway and mold cavity, and means for moving said shears in opposite directions from said position of register with the mold cavity and relative to the mold and gathering device and thereby severing the glass.

13. The combination of a horizontally rotating mold carriage, a suction gathering mold thereon having a bottom opening through which glass can enter the mold, a container for molten glass, said mold arranged to periodically travel over the container and carried at a constant level throughout its travel over the container, a combined glass gathering and severing device mounted on the carriage at one side of and above the bottom level of the mold and above the level of the container rim, means operable while said device is traveling over the container to lower said device and move it laterally to a position beneath the mold, said device formed with a passageway therethrough to register with the mold opening, means for causing glass to enter the mold by suction through said passageway, means for then moving said device laterally while held in shearing contact with the mold and thereby causing it to sever the glass, and means for lifting said device above said rim and the bottom level of the mold after severance of the glass and while traveling over the said container.

1,981,239

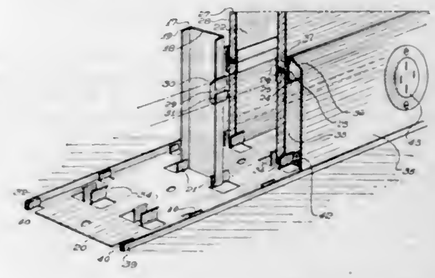
BUILDING CONSTRUCTION

Fred A. Manske, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application June 27, 1932, Serial No. 619,535

Renewed May 4, 1934

10 Claims. (Cl. 72—115)



1. In a wall construction, a plurality of spaced vertical studs, a base plate supporting the lower ends of said studs, a runner secured transversely to said studs and having opposed channels, wallboards secured to said studs and having the lower edges thereof supported in a channel of said runner, a narrow strip of wallboard extending between said runner and base plate, and a metal mop plate secured adjacent said board strip and serving as a base trim.

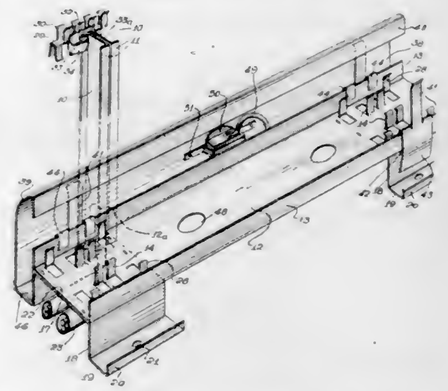
1,981,240

WALL CONSTRUCTION

William M. McNeil, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

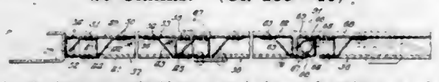
Application August 17, 1932, Serial No. 629,109

22 Claims. (Cl. 72—46)



1. In a building construction, a plate adapted to be supported on a floor, integral, spaced lugs struck from said plate and extending upwardly in pairs, a metallic building stud positioned on said plate and engaged by said lugs so as to prevent lateral movement of said stud, upstanding flanges formed on opposite edges of said plate, integral lugs on said plate in spaced parallel relation to said flanges, wall boards having the lower edges thereof received between said flanges and said last mentioned lugs, and means for securing said wall boards to said studs.

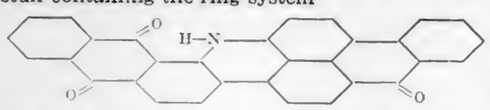
1,981,241
TRANSPORTATION CONTAINER
John P. McWilliams and Frank Ditchfield, Cleveland, Ohio, assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1932, Serial No. 585,708
20 Claims. (Cl. 189—46)



1. A transportation container having a door opening; a pair of oppositely swinging doors adapted to close said opening; and means providing a weather seal joint at the meeting edges of the two doors, said means including a channel formation on the edge of one door opening inwardly and a plate-like section on the edge of the other door, said section extending beyond the edge of the channel flange and having an out-turned flange at its extremity extending within the channel, said formation and section overlapping and interlocking when the doors are in closed position.

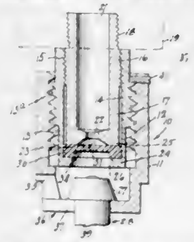
1,981,242
DYESTUFF MIXTURE
Joachim Mueller, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 29, 1932, Serial No. 644,917. In Germany December 5, 1931
8 Claims. (Cl. 8—6)

1. Dyestuff mixtures giving dyeings of very good fastness properties comprising a vat-dyestuff containing the ring system



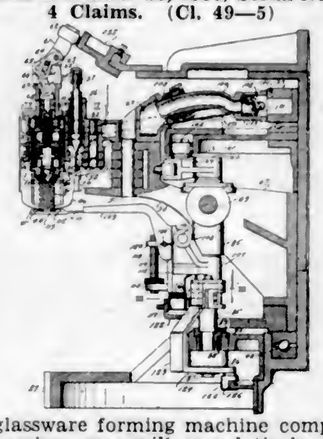
and a vat-dyestuff free from said ring system.

1,981,243
LUBRICATING DEVICE
Morris Newmark and Elias Moss., New York, N. Y.
Application November 11, 1932, Serial No. 642,175
3 Claims. (Cl. 285—143)



1. A nozzle adapted to be secured to a pressure lubricating device and lubricant receptacle, comprising a barrel, a casing adapted to be shifted longitudinally by rotary motion mounted in the said barrel, a perforated wall at the bottom of the casing, a plunger secured to the said casing and having a bore in communication at one end with the pressure device, a perforated and externally countersunk wall at the other end of the plunger, the said perforation being in communication with the plunger bore, a nipple having a bore in alinement with the said perforation means on the barrel for clamping the nipple when the said casing is advanced in the said barrel, a head on the said nipple, and a washer held between the countersunk plunger wall and bottom wall of the casing and having a perforation and perforation enlargement for engagement with the nipple head and in alinement with the nipple bore, said washer perforation being smaller than the plunger perforation and the nipple bore.

1,981,244
GLASSWARE FORMING MACHINE
Frank O'Neill, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 26, 1930, Serial No. 504,844
4 Claims. (Cl. 49—5)



1. A glassware forming machine comprising a rotary carrier, an auxiliary relatively shiftable member mounted on the carrier, a fulcrum for the member, a mold on the auxiliary member radially of the carrier, an air line having a valve at the carrier, and a duct in a radial plane of the mold and extending from the mold toward the carrier axis to said valve, said duct providing a connection permitting movement of the auxiliary member relatively to the carrier and having an arc section with its radius from said fulcrum.

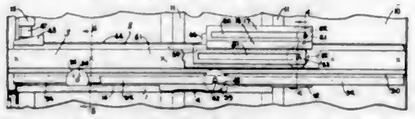
1,981,245
SPACE-CURRENT DEVICE
Noah C. Pearcy, Park Ridge, Ill., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original application February 20, 1924, Serial No. 694,028. Divided and this application July 24, 1934, Serial No. 736,697
2 Claims. (Cl. 250—27.5)



1. An electrode of the class described comprising a solidified coherent mixture of finely divided base metal and an alkali or alkaline earth metal oxide fused on the surface.

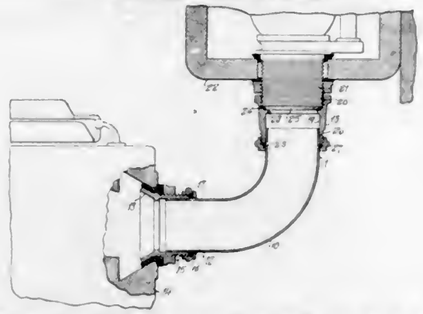
2. An electrode of the class described comprising a mixture of finely divided base metal and finely divided alkali or alkaline earth metal solidified into a coherent mass and fused on the surface.

1,981,246
EXTENSION DRAWER SLIDE
John Pipe, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application November 14, 1932, Serial No. 642,578
7 Claims. (Cl. 45—77)



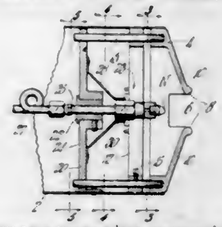
7. In a device of the class described, a stationary track, an extension slide adapted to be received upon the said stationary track, said extension slide having a roller positioned intermediate its ends, said roller running along the stationary track whereby the extension slide may be reciprocated therealong, means located at the rear of the extension slide and slightly above the same whereby the extension slide may tilt slightly about the roller mounted thereon, said roller serving as the fulcrum about which the extension slide tilts, a drawer slide mounted upon the roller of the extension slide, said drawer slide also being capable of tilting about the said roller at all times, the upper surface of the said roller serving as a fulcrum about which the drawer slide tilts, roller means positioned at the front of the extension slide below the drawer slide whereby the drawer slide is limited in its tilting movement and additional means between the opposite end of the drawer slide and the extension slide for likewise limiting the said tilting movement of the drawer slide.

1,981,247
TELESCOPIC ELBOW-FITTINGS FOR INTERCONNECTING FLUSH-TANKS AND TOILET-BOWLS
Elton A. Pope, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application January 9, 1933, Serial No. 650,828
1 Claim. (Cl. 285—4)



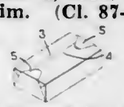
In a construction including a flush-tank with an externally-threaded, tubular, outlet-stem extending outwardly from said tank, and a toilet-bowl having an inlet-spud, and a one-piece elbow interconnecting said outlet-stem and said inlet-spud and having unthreaded ends and being so constructed and arranged that one end of said elbow can be slid into and out of said inlet-spud: means for detachably connecting the other end of said elbow to said outlet-stem comprising an extension-member having an internally-threaded upper end for engagement with the threads of said outlet-stem and having a lower end provided with a bore adapted to have telescopic engagement with said other end of said elbow, said extension-member also having an internal, annular flange rigid therewith and inwardly offsetting from said bore, said annular flange being so constructed and located that the extension-member can be backed off below said outlet-stem to bring said annular flange into stop engagement against said other end of said elbow, said annular flange also being adapted to carry a packing washer for sealing against the end of said outlet-stem.

1,981,248
OIL BURNING APPARATUS
Henry T. Purcell, Norwood, Mass.
Application November 28, 1932, Serial No. 644,704
6 Claims. (Cl. 158—1.5)



1. A fuel burner apparatus comprising in combination, a tube for air, a head in said tube having forward and rear plates each provided with a slot thereacross, a nozzle assembly extending axially of said slots for directing fuel through the slot of the forward plate, the said rear plate being adjustable towards and away from the forward plate and the said slots in said plates being disposed angularly relative to one another.

1,981,249
DETERGENT UNIT
Samuel Rosenblatt, Medford, Mass., assignor to Surgical Dressings, Inc., Jamaica Plain, Mass., a corporation of Massachusetts
Application December 2, 1933, Serial No. 700,658
1 Claim. (Cl. 87—23)

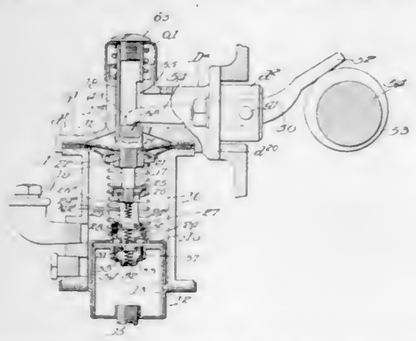


A detergent unit comprising a core of soap and a partially depolymerized sheet of unvulcanized thin pale crepe rubber enveloping the core and self-coheringly sealed at its edges into an elastically extensible integument, non-adherent to hair or skin, and sufficiently porous to secure, when the unit is rubbed in the presence of water, the formation of a copious lather which in conjunction with the rubber effects the detergent action.

1,981,250
FUEL PUMP
Edward A. Rockwell, Long Island City, N. Y.
Application November 26, 1928, Serial No. 321,854
7 Claims. (Cl. 103—38)

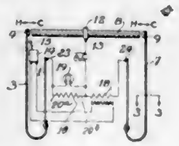
1. A fuel feeding apparatus for an internal combustion engine comprising in combination with a casing having a fuel chamber provided with closures at both ends and connected for fuel inflow and outflow, the closure at one end comprising an inwardly protruded shell of less outer diameter than the inner diameter of the chamber, a plunger having a stem fixedly secured thereto and mounted in the casing at the opposite end of the chamber having a head reciprocating in the chamber, and means for reciprocating it, said plunger head being a cylindrical shell open at the end and dimensioned for telescoping outside the

first mentioned shell, whereby there is formed between said telescoping parts a pumping chamber, said parts having a fuel flow passage between the fuel chamber and said pumping chamber, a check valve controlling flow through said passage opening for flow outward from the fuel chamber, the first mentioned shell having a flow passage from the pumping chamber to the interior cavity of said shell, a check valve between the shell and the pumping chamber controlling said passage opening for flow outward from the pumping chamber, said interior cavity of said shell having connection for fuel flow toward the carbureter, said check valves being arranged to be actuated for opening and closing by the movement of the liquid pumped opening for flow outward from the pumping chamber and being seated by the re-



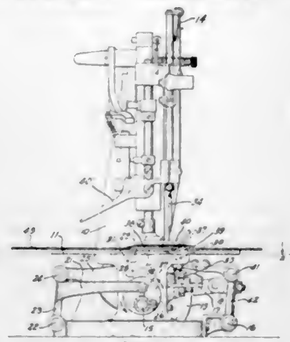
verse flow, the closure of the fuel chamber at the end opposite the intruded shell being a flexible diaphragm, the plunger stem comprising a member extended through the diaphragm for exterior actuation and secured fluid-tight to the diaphragm for flexing the latter in the reciprocation of the plunger, an operating connection outside the diaphragm for actuating the plunger in one direction, a spring reacting between the casing and the plunger stem member for retracting the plunger in the opposite direction, the plunger stem comprising a second member joined to the plunger head and longitudinally movable relatively to the first stem member, and a spring in the fuel chamber reacting between the two stem members for extending them, said stem members having cooperating stops for limiting such extension.

1,981,251
THERMOSTAT FOR AQUARIUMS
George F. Roth, Chicago, Ill.
Application August 28, 1931, Serial No. 559,916
5 Claims. (Cl. 219—20)



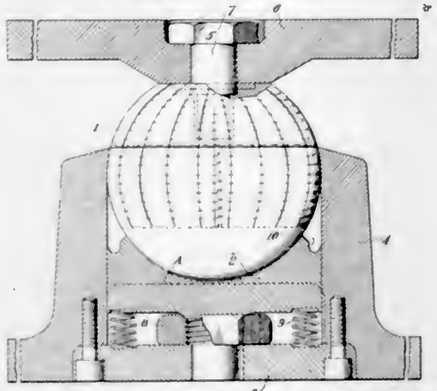
1. In an aquarium temperature control system, a pair of thermostats comprising bimetallic U-shaped arms having contacts mounted on their free ends, a common contact for said first-mentioned contacts, a heating element controlled by one of said thermostats, and a vibrator controlled by the other of said thermostats, said vibrator having a vibratory arm for engagement with said first-mentioned thermostat.

1,981,252
TUFTING ATTACHMENT FOR SEWING MACHINES
William F. Schmiedel, Oshkosh, Wis., assignor to Deltox Rug Company, Oshkosh, Wis., a corporation of Wisconsin
Application September 18, 1933, Serial No. 689,926
11 Claims. (Cl. 112—79)



1. A tufting attachment mechanism for sewing machines having a reciprocating needle for penetrating a fabric and carrying a strand which is passed through the fabric by the needle, comprising a transversely reciprocal frame positioned below the fabric and carrying a looper arm and a cutter adjacent an edge portion of the looper arm, the looper arm being arranged to engage the strand to form loops below the fabric, means for reciprocating the needle and the frame member, the cutter being arranged to sever a previously formed loop during reciprocation of the frame to engage another loop on the looper arm, and means independent of the looper for holding a portion of the yarn of a loop taut during reciprocations of the frame member and the needle.

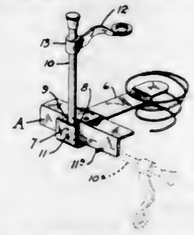
1,981,253
GLOBE DIAL FIXTURE
Reinhold H. Schulz, Detroit, Mich.
Application January 5, 1933, Serial No. 650,270
2 Claims. (Cl. 90—59)



1. A globe dial fixture comprising a holder having a substantially cylindrical passage therethrough, a restricted portion in said passage, an annular bearing surface in said restricted portion, a globe dial received in said passage and seating on said annular bearing, a press-piece for pressing said dial against said bearing, an annular bearing on said press-piece, a closure for said passage, said closure having an opening

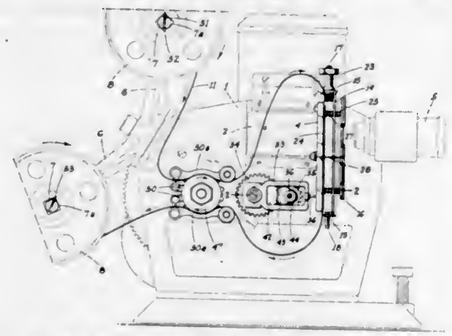
therein, a stem on said press-piece extending through said opening, means for preventing relative rotation between said closure and said stem, a member in threaded engagement with said stem for controlling said press-piece and resilient means for maintaining said press-piece in contact with said dial.

1,981,254
MATTRESS CLAMP
Arthur M. Smith, Oakland, Calif., assignor to The Rome Company, Inc., San Francisco, Calif., a corporation of New York
Application March 24, 1933, Serial No. 662,520
3 Claims. (Cl. 24—72.5)



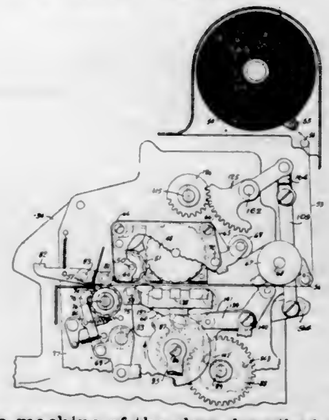
1. A device for clamping the mattress and bedding in a tilting bed comprising a rod pivotally attached to the foot end of the bed frame and adapted to assume either a vertical position or a horizontal position parallel to the end of the frame, a clamping member rotatable and longitudinally adjustable on the rod to engage and secure the mattress and bedding with relation to the foot end of the frame, and a cooperating stationary clamping arm secured to the foot end of the frame and extending in under the mattress.

1,981,255
MOTION PICTURE PROJECTOR
Emil Vollenweider, Sacramento, Calif.
Application February 8, 1933, Serial No. 655,728
6 Claims. (Cl. 88—17)



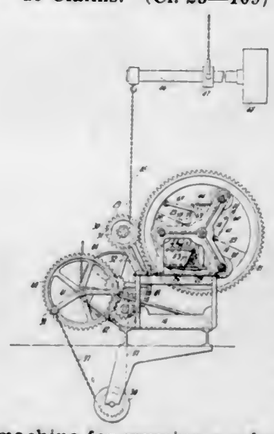
1. In a motion picture projector for selective use with films of different widths, the combination of a gate having a groove down its front face forming a track for one film, and another narrower groove in the bottom of the first groove and forming a track for a relatively narrow film, and a presser plate unit comprising a supporting plate, presser plates for engagement with the corresponding track grooves yieldably mounted in connection with the supporting plate on opposite sides thereof, and means for invertibly mounting the supporting plate on the machine so as to bring either presser plate into facing relation with the gate selectively.

1,981,256
CASH REGISTER
Edward J. Von Pein, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application April 23, 1920, Serial No. 376,088. Divided and this application April 16, 1926, Serial No. 102,502
9 Claims. (Cl. 271—2.4)



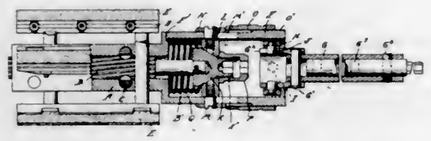
1. In a machine of the class described, in combination with feed means for record material; and a plurality of actuating means for the feed means; of a slackening device associated with certain of the actuating means to slacken the record material before the associated actuating means actuates the feed means.

1,981,257
CLAY WORKING MACHINE
Russell T. Voris, Dayton, Ohio, assignor to The Manufacturers Equipment Company, Dayton, Ohio, a corporation of Ohio
Application November 4, 1933, Serial No. 696,645
19 Claims. (Cl. 25—109)



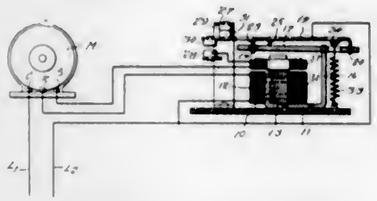
1. In a machine for severing a column of plastic material into sections comprising a cutter and means to support the section to be severed during the severing operation; a device mounted adjacent to said supporting means for movement into engagement with a section of material which is in severing position thereon, and means actuated by a moving part of said machine for moving said device into engagement with said section of material.

1,981,258
TOOL FOR GRINDING OR LAPPING CYLINDRICAL BORES
Paul E. Wagner, Detroit, Mich., assignor to Hutto Engineering Company, Inc., Detroit, Mich., a corporation of Michigan
Application February 15, 1932, Serial No. 593,148
12 Claims. (Cl. 51—184.1)



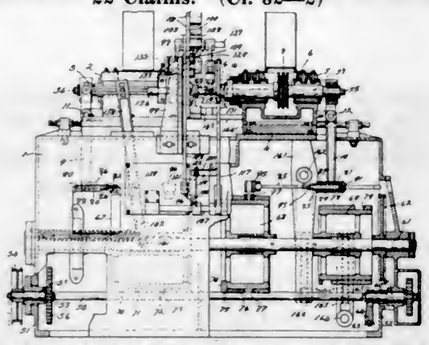
1. In a tool for grinding or honing cylindrical bores, the combination with a rotary and axially reciprocatory core, a plurality of abrasive members mounted on said core and reversible mechanism for adjusting said abrasive members radially to set the same in operative relation to the surface to be ground, of means for locking said mechanism in its adjusted position, irreversible automatic mechanism for further radially expanding said abrasive members, resilient means for operating said irreversible automatic mechanism to place a predetermined outward pressure on said abrasive members and an adjustable stop for limiting movement of said irreversible automatic mechanism and the expansion of the abrasive members thereby.

1,981,259
MOTOR CONTROL SYSTEM
Roy O. Wertz, Cleveland Heights, Ohio, assignor to The Ohio Electric Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application February 12, 1932, Serial No. 592,627
3 Claims. (Cl. 200—87)



1. A relay including a core, a coil on said core, an upstanding magnetic member spaced from said coil and magnetically connected with said core, a lower armature member composed of magnetic material pivoted on said upstanding member and adapted to engage said core, an upper armature member pivoted to said last mentioned member at a point more remote from said coil than said upstanding member, provided with a stop adapted to engage said lower armature member on the opposite side of said upstanding member from its pivot point, said upper armature member carrying switch points, and spring means connected to said upper armature member between its pivot point and that of the upstanding member whereby to allow it to move with the lower armature member through a portion of the throw of the latter and to allow separation of the armature members through the remaining portion of such throw.

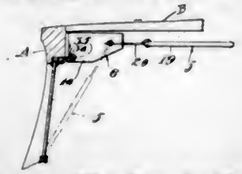
1,981,260
TURNING MACHINE
George F. Yager, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a corporation of Ohio
Application September 28, 1931, Serial No. 565,616
22 Claims. (Cl. 82—2)



2. A machine of the class described including a rotary work holder, a pair of jaws movable adjacent and adapted to receive work from said holder, a member for removing work from the holder into said jaws, a cam shaft, two cams on said shaft, a driving connection between one of said cams and said member, a driving connection between the other of said cams and said jaws, and means operable by the last mentioned connection for actuating said holder.

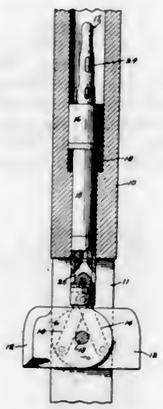
8. A machine of the class described including a frame, a bracket carried by the frame, a rotating shaft carried by the frame, a cam on said shaft, a lever actuable by said cam, a second lever actuable by the first lever, a rotary work holder, means actuable by the second lever for moving said holder, including an index plate secured to the holder and having notches in its periphery, a link connected to the second lever and having a hook portion engageable with said notches, means for holding the holder against movement after it has been moved, including a pawl pivoted on said bracket and engageable with the notches in the plate, said pawl having an extension, and a spring terminally secured to said extension and link, and means for releasing the pawl, including a pin on the link engageable with the extension.

1,981,261
GLARE SHIELD
Siegfried C. Baden, Los Angeles, Calif.
Application April 4, 1932, Serial No. 603,036
4 Claims. (Cl. 296—97)



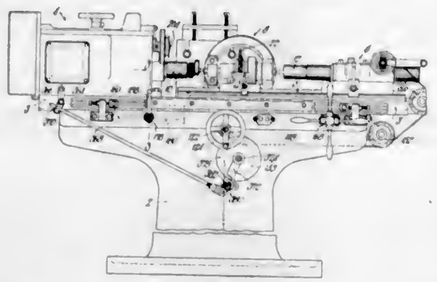
1. In an automobile glare shield, a rock shaft, a shield carried by said rock shaft, an electric motor, drive means connected with said motor for actuating said rock shaft, manually operable means for closing the electrical circuit for said motor, and a control switch for automatically closing and opening the electrical circuit for said motor, a cam carried by said rock shaft for actuating said control switch; said cam being arranged to effect closing of said control switch during each oscillation of said rock shaft and to permit opening of said switch at the termination of each oscillation of said rock shaft.

1,981,262
PLUNGER AND SCREEN FOR HYDRAULIC UNDERREAMERS
Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application June 7, 1933, Serial No. 674,654
1 Claim. (Cl. 255—76)



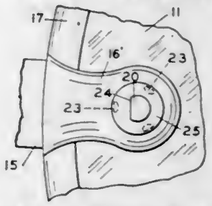
In a plunger for an underreamer, an internally threaded sleeve, a flange formed integrally with said sleeve at the lower end thereof, a rubber packing member molded to said sleeve above said flange, a plunger rod threaded into the lower end of said sleeve, and an elongated tapered fluid strainer threaded into the upper end of the sleeve.

1,981,263
MACHINE TOOL
Hiram D. Croft, Springfield, Mass., assignor to Perkins Machine & Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application May 23, 1930, Serial No. 454,997
Renewed April 23, 1934
13 Claims. (Cl. 51—95)



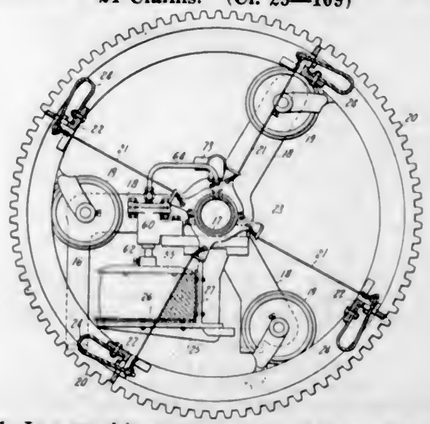
1. A machine of the class described comprising in combination, a reciprocable and rotatable spindle, a worm thereon, a rotatable nut on said worm, a hub and plate for rotating said nut including shiftable clutching means for connecting the plate and hub in various angular positions, means on said spindle for shifting said means, mechanism for driving said spindle including reversing means, and operable by said spindle for operating the same, means for feeding a tool towards and away from said spindle and means operable by said spindle for actuating the same.

1,981,264
OPHTHALMIC MOUNTING
Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 17, 1932, Serial No. 633,630
5 Claims. (Cl. 88—47)



1. In an ophthalmic mounting the combination of connecting means comprising a screw threaded into a member, said member having a depression around the end of the screw, a thermo-plastic element positioned in said depression, means for locking said screw to said element and means for locking said element to said member.

1,981,265
CLAY WORKING MACHINE
Karl R. Forry, Newark, Ohio, assignor to The Manufacturers Equipment Company, Dayton, Ohio, a corporation of Ohio
Application November 1, 1933, Serial No. 696,172
24 Claims. (Cl. 25—109)

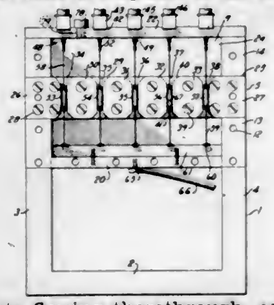


1. In a machine comprising cutting mechanism for severing a column of plastic material into sections, a device to support the section to be severed during the severing operation, and means for actuating said cutting mechanism; an embossing device arranged to act on said section while it is supported in severing position by said supporting device, and means for actuating said embossing device in timed relation to the operations of said cutting mechanism.

1,981,266
VIBRATING GALVANOMETER
William G. Green, Tulsa, Okla.
Application November 10, 1932, Serial No. 641,994
6 Claims. (Cl. 171—95)

1. A device of the character described including a casing, magnetic pole pieces, means for supporting the pole pieces within the casing in spaced relation to each other to form a series of air gaps, a coil associated with each air gap, means for suspending the coils for movement in said air

gaps, an indicating element carried by each of the coils, means for passing electric currents to be measured through said coils to effect movement of the coils in response to the frequency of



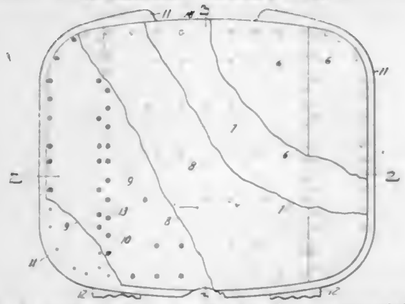
the currents flowing therethrough, and a single body of liquid in said casing surrounding the pole pieces and the coils for damping movements of the coils and maintaining the same temperature conditions around each of the coils.

1,981,267
PROTECTOR FOR DIPPER DOORS

Glen B. Heffelfinger, Marion, Ohio, assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio

Application May 31, 1934, Serial No. 728,341

19 Claims. (Cl. 214—145)



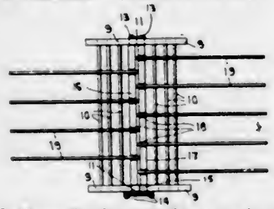
1. A protector for a dipper door comprising a layer of rubber secured to the inner side of said door and of sufficient thickness to form a cushion.

1,981,268
CLOTHES DRYING RACK

Albert C. Heiser, Omaha, Nebr.

Application December 29, 1933, Serial No. 704,533

3 Claims. (Cl. 211—178)



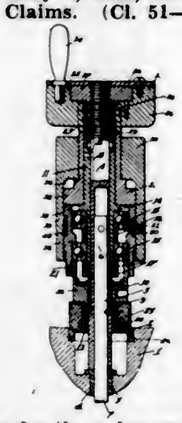
1. In a clothes drying rack, a pair of upright rectangular supports each including a pair of end-posts, said supports being disposed side by side and pivotally connected at their upper ends to permit relative movements for disposing their lower ends in spaced relation, a pair of horizontal head-strips disposed side by side each having a rotatable mounting in the upper end-portions of the posts of a support and provided at longitudinal intervals with parallel recesses opening on its side, the recesses in one head-strip being disposed in vertical planes adjacent to the vertical planes of the recesses in the other head-strip, and a plurality of spindles secured to and projecting outwardly from the head-strips, each spindle of a head-strip being disposed in the vertical plane of a recess of the other head-strip to permit the spindles of each head-strip to engage in the recesses of the other head-strip when said head-strips have been rotated approximately three-fourths of a circle's arc.

1,981,269
VALVE SEAT GRINDER

John W. Holland, Fitchburg, Mass., assignor to Holland-Kenyon Machine Company, Fitchburg, Mass., a partnership consisting of John W. Holland and Samuel A. Kenyon

Application May 4, 1934, Serial No. 723,947

9 Claims. (Cl. 51—241)



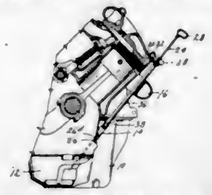
1. A grinder for the valve seats of engines, the latter having, during the grinding of each seat, a pilot for locating the grinder in predetermined relation radially of said seat, said grinder comprising a shell, a grinding wheel, a member journaled within said shell and supporting said wheel, means including an eccentric sleeve adapted to extend over the pilot for positioning the wheel in eccentric relation to the valve seat, said sleeve extending axially through said shell and member, said sleeve being adjustable axially within the shell and engageable with a portion of the engine in predetermined relation to the valve seat for adjusting the position of the grinding wheel axially of said seat.

1,981,270
WIPELESS OIL GAUGE

Carl W. Hollingsworth, Marshalltown, Iowa

Application November 20, 1933, Serial No. 698,817

5 Claims. (Cl. 73—120)



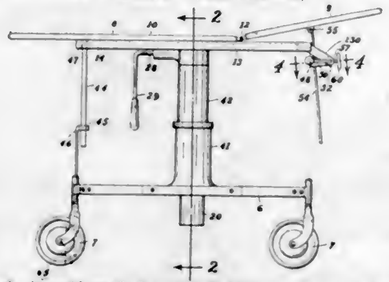
1. In a wipeless oil gauge, an elongated tube for association with a gauge opening of an engine or the like, a shoulder adjacent the lower end thereof, a gauge rod for insertion in said tube and a spring surrounding said gauge rod, supported thereby and adapted to have its lower end engage said shoulder to normally support said gauge rod in position above the oil to be gauged.

1,981,271
TRACTIONAL HOSPITAL LITTER OR CARRIAGE

Frank Koenigkramer and Frederick Koenigkramer, Cincinnati, Ohio

Application October 25, 1932, Serial No. 639,468

12 Claims. (Cl. 254—2)



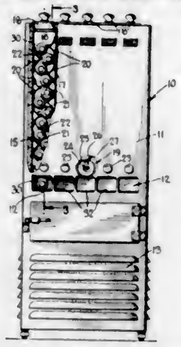
11. A tractional hospital litter comprising in combination a chassis and a table portion for supporting a patient, a lift means associated with the chassis and table portion for varying the elevation of the table portion, and an operating member for the lift means, said member being attached to and movable with the table portion, and arranged to be equally accessible from both sides of the table portion relative to the tractional chassis.

1,981,272
VENDING DEVICE

Anthony Kuhn, New York, N. Y., and Charles H. Heitman, Bergen County, N. J.; said Heitman assignor to Andrew D. Reid, Weehawken, N. J.

Application July 26, 1930, Serial No. 470,826

5 Claims. (Cl. 312—36)



2. In combination, means forming an upright passage chamber for bottles and the like, said chamber having its opposite sides respectively formed with staggered series of guide projections having upper guide faces respectively; and means adapted to give to the bottle an upward movement as it leaves each guide face and project it to the adjacent upper guide face on the opposite side of the chamber.

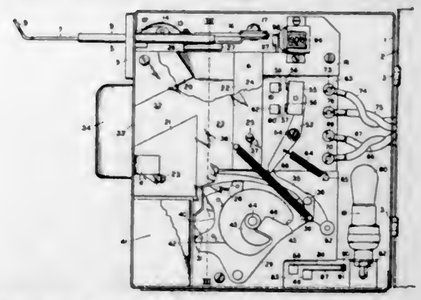
1,981,273
COIN CONTROLLED APPARATUS

Elmer L. Lipp, Los Angeles, Calif., assignor, by mesne assignments, to Refining, Inc., Reno, Nev., a corporation of Nevada

Application June 29, 1932, Serial No. 619,855

4 Claims. (Cl. 194—45)

1. A time switch including switch contacts; a lever adapted to close said contacts; resilient means urging said lever into operative position; a latch arranged to restrain said lever; a coin chute; a gate closing the lower end of said chute; a trigger extending into the path of the coins in



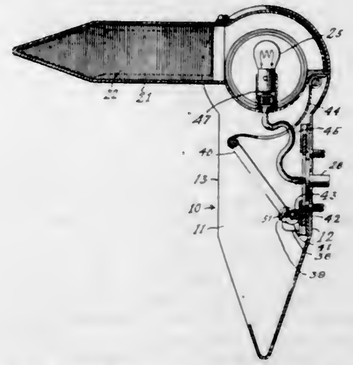
said chute and adapted to be operated thereby to retract said latch; an ejector having said gate, trigger, and latch mounted thereon; and timed means for swinging said ejector to open the lower end of said coin chute.

1,981,274
VEHICLE SIGNAL INDICATOR

Fusajiro Mamiya, Los Angeles, Calif.

Application March 23, 1932, Serial No. 600,681

4 Claims. (Cl. 116—52)



1. In a signal indicator, a signal housing, a semaphore operatively mounted therein and adapted to project therefrom in display positions, a tubular casing projecting from the signal housing, a shaft rotatable within the tubular casing, a lever for actuating the shaft, a disk fixed to the outer end of the shaft and disposed within the signal housing, a cam on the disk, a slotted slide member in engagement with the cam, a tiltable member within the signal housing and in engagement with the slidable member, and a link connected to the semaphore and to the tiltable member.

1,981,275
PROJECTION APPARATUS

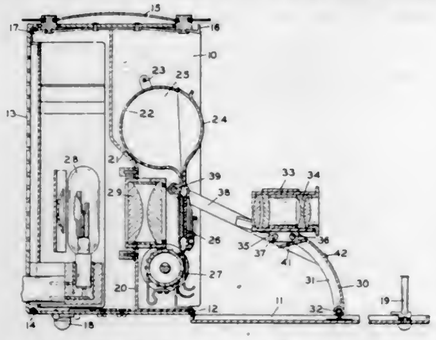
Allan F. Martin, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Original application August 9, 1930, Serial No. 474,168. Divided and this application May 27, 1933, Serial No. 673,206

5 Claims. (Cl. 88—24)

1. In a projection apparatus the combination of a casing having a hinged door, a dividing wall in said casing, said wall having an offset portion,

a lens mounted on a bracket, said bracket being pivotally connected to said door and casing where-



by the lens will be positioned automatically within said offset portion when the door is closed.

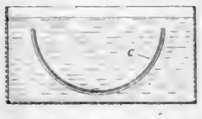
1,981,276

PROCESS OF MAKING JOURNAL BEARINGS

William E. McCullough, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan

Application November 14, 1932, Serial No. 642,689

3 Claims. (Cl. 29—149.5)



1. The method of forming a bearing shell, which consists in tinning and babbitting a steel strip, cutting said strip to a suitable length, pressing such length to form an oversized segmental shell and heat treating to artificially age the shell subsequent to the babbitting operation.

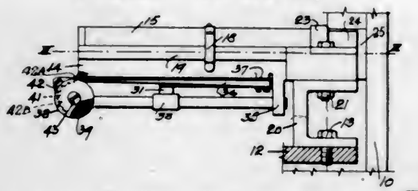
1,981,277

ELEVATOR LUBRICATOR

Edward R. McKenzie, Memphis, Tenn.

Application September 18, 1933, Serial No. 689,906

4 Claims. (Cl. 184—21)



1. A device for lubricating elevator rails, comprising a hollow barrel adapted to receive a lubricant, a spring actuated follow block therein, said barrel having an extension slotted to form jaws adapted to lie on opposite sides of an elevator rail, and a resilient lining carried by said extension and supported by said jaws, said lining embracing the sides and an edge of said rail, and having a bore forming a continuation of the bore of said barrel and tapering on each side toward said rail, said taper terminating inward from the marginal edges of said lining, whereby to form passageways leading from said bore to the sides of said rail, the marginal edges of said lining forming means for confining and distributing grease to said rails.

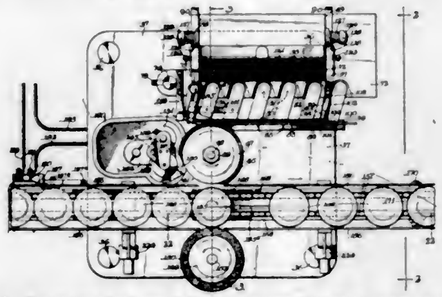
1,981,278

LABELING MACHINE

Garrett W. Mudd, Chicago, Ill., assignor to Pneumatic Scale Corporation, Ltd., Quincy, Mass., a corporation of Massachusetts

Application August 30, 1932, Serial No. 631,071

14 Claims. (Cl. 216—54)



1. In a container labeling machine, a magazine for holding a supply of labels, a rotatable drum, means for creating suction through the periphery of the drum to remove the labels from the supply, a roller spaced from the drum and between which drum and roller the container is fed, means for advancing the container, means for rotating the drum, means for rotating the roller, and means operating automatically to arrest the feeding movement of the container by the said feeding means.

10. In a labeling machine, a container for holding a supply of labels uprightly on one edge, means for feeding the articles uprightly, means for removing the labels from the supply and applying the same to the articles as the latter are maintained upright, and means for causing a substantial portion of the supply of labels to be bodily moved in the direction of movement of the said removing means while the labels are being removed from the supply and with respect to the remaining portion of the supply of labels.

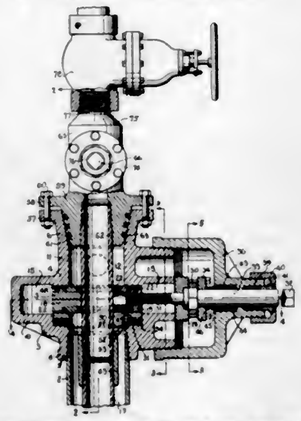
1,981,279

MEANS FOR CONTROLLING WELLS

Robert A. Mueller, Houston, Tex.

Application January 6, 1933, Serial No. 650,373

4 Claims. (Cl. 166—15)



1. In combination, a well casing, a casing head thereon, lateral outlets from said casing head, a tubing in said casing, means on said tubing forming a seal with the upper end of said casing head, a blowout preventer forming part of said casing

head and below said outlets in said casing head, and a valve in said tubing controlling the flow of fluid therethrough.

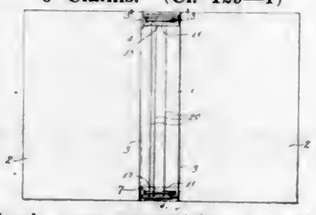
1,981,280

BOOK COVER

Francis John Osuch, Detroit, Mich.

Application April 24, 1933, Serial No. 667,521

6 Claims. (Cl. 129—1)



5. A book cover comprising a back strip, a bracket, hollow rivets securing said bracket adjacent to the end of said back strip, fingers spaced above said bracket and having apertures in line with said hollow rivets, a grooved rod having its opposite ends inserted through said fingers and entering said hollow rivets, and a locking plate having relieved portions permitting movement thereof between said bracket and fingers to enter said grooves in said rod.

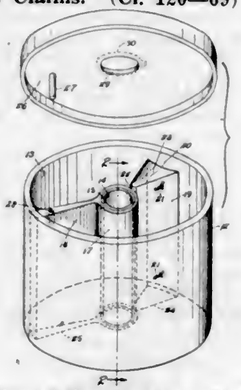
1,981,281

INKWELL OR THE LIKE

George W. Owen, Baltimore, Md.

Application March 21, 1934, Serial No. 716,655

8 Claims. (Cl. 120—69)



1. In a device of the class described, the combination of a reservoir element for the storage of a fluid substance, a well of relatively small cross-sectional area normally out of fluid communication with but located within said reservoir element, and means encircling said well and movable in a single plane through less than a complete circle and at the will of an operator, for replenishing the supply of fluid in the well with the fluid stored in the reservoir element.

1,981,282

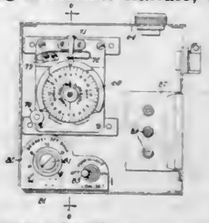
THERMOSTAT CONTROL

Hazor J. Smith, Springfield, Mass., assignor to Superstat Company, Springfield, Mass., a corporation of Massachusetts

Application September 14, 1932, Serial No. 633,109

2 Claims. (Cl. 236—46)

2. In combination, a temperature-responsive device, an electric heating unit within the range of influence thereof and adapted to produce a false ambient temperature, and a control unit comprising a casing, timed contact mechanism carried thereby, a rhoestat carried by said casing and having a control handle, an index indi-



cating the degrees of setback associated with said control handle, and switch means mounted on said casing, said rheostat, timed contact mechanism and switch being connected in circuit with said electric heating unit and adapted to control the operation thereof.

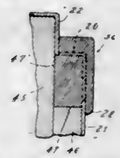
1,981,283

DOOR BUMPER

Ira D. Perry, Chicago, Ill., assignor, by mesne assignments, to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood

Original application October 28, 1931, Serial No. 571,573. Divided and this application July 25, 1932, Serial No. 624,377

4 Claims. (Cl. 296—28)



1. In a door pillar construction, a sheet metal door pillar suitably formed to provide a ledge facing in the direction of door closing movement and an inwardly extending flange disposed substantially parallel to the direction of door closing movement and connected to the edge of said ledge, and a filler of suitable material in said pillar for reinforcement thereof, the sheet metal of the pillar being suitably formed to provide an opening of a predetermined length measured lengthwise of the pillar, the same extending across the ledge and inwardly in the flange a predetermined distance, and the filler being suitably formed to provide a socket with which the opening communicates, said socket having a floor, and a back wall, and being longer than the opening so as to present shoulders under the ledge adjacent the ends of the socket, said opening and socket being adapted to receive a bumper block of resilient material with the back and bottom thereof engaging the back wall and floor of the socket, to permit compression of the block in the closing of a door against the same, and with end portions projecting toward the ends of the socket for engagement under the aforesaid shoulders to retain the block without need for other retaining means.

1,981,284

ROAD SHOULDER FINISHING MACHINE

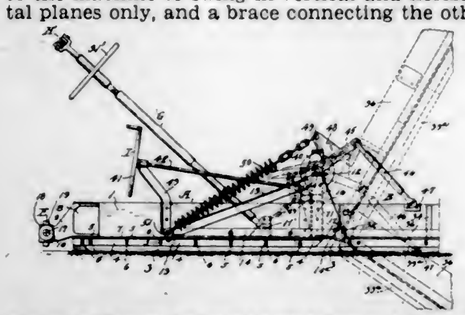
Fred B. Ray and Carl G. Schmid, Indianapolis, Ind., assignors to Insley Manufacturing Company, Indianapolis, Ind., a corporation

Application February 4, 1932, Serial No. 590,957

12 Claims. (Cl. 37—143)

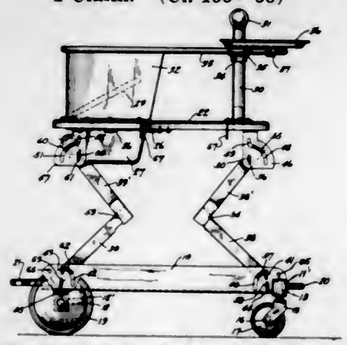
1. In a shoulder finishing machine of the class described, a shoulder finishing blade, a rigid truss frame carrying said blade connected at one end

to the machine to swing in vertical and horizontal planes only, and a brace connecting the other



end of said truss frame at spaced points disposed in different horizontal planes, said brace having a connection with the machine at the other end.

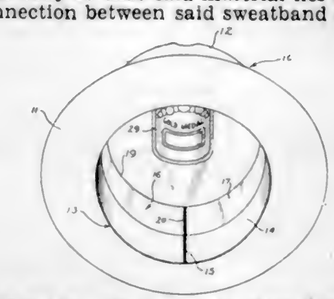
1,981,285
COMBINATION AND CONVERTIBLE BABY WALKER
Anthony J. Rechlicz, Milwaukee, Wis.
Application March 21, 1932, Serial No. 600,175
1 Claim. (Cl. 155—38)



An infant's convertible apparatus comprising a wheeled chassis formed with longitudinally extending channel members at each side thereof, each channel member opening upwardly, a seat member, a pair of vertically extensible link members at each side of the seat and at the front and rear thereof and at each end of each channel member, means foldably connecting the adjacent ends of each pair of links to abut in end to end contact when the links are extended, means pivotally and shiftably connecting the outer ends of the links to the seat member and channel member respectively, whereby the links in each pair are foldable one upon the other within the channel member when the seat member is lowered.

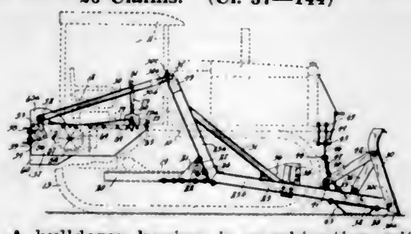
1,981,286
HAT CONSTRUCTION
Ralph K. Reynolds, Danbury, Conn., assignor to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut
Application July 8, 1932, Serial No. 621,328
8 Claims. (Cl. 2—190)

1. In hat construction, in combination, a hat body, a sweatband stitched to the band portion thereof, a strip of satin-like material having its opposite ends connected to form a ring-like member, and a piece of material secured to said strip and extending below one edge thereof, said piece of material having greater rigidity than said strip, said strip disposed between said sweatband and said hat body so that said material lies adjacent the connection between said sweatband and said



hat body and so that the upper edge of said strip is spaced from the top of said hat body.

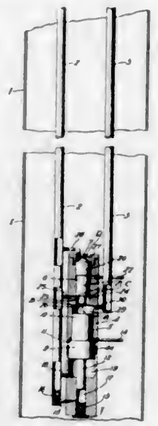
1,981,287
BULLDOZER
John R. Ritchie, Minneapolis, Minn., assignor to Niess and Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application June 15, 1929, Serial No. 371,088
26 Claims. (Cl. 37—144)



1. A bulldozer having in combination with a tractor having a frame member, an angle lever having a fulcrum pivot adjacent the vertex of its angle and supported on said frame member, one end of said lever extending in a forwardly direction, a blade secured to the front end of said lever extending transversely in front of said tractor, the other end of said lever extending upwardly and rearwardly, a shaft extending transversely of said tractor, an arm carried by said shaft, a link pivotally connected at one end to said last mentioned member and at its other end to said upwardly extending arm of said lever and means adapted to be connected to and driven by the motor of said tractor for rotating said shaft to raise said blade.

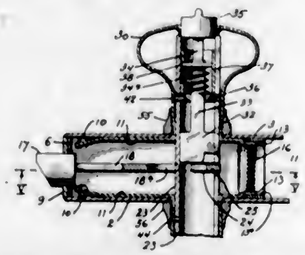
1,981,288
WELL PUMPING APPARATUS
Samuel Evans Ross, Brea, Calif., assignor, by mesne assignments, to Alfred Barstow, Los Angeles, Calif.
Application April 19, 1932, Serial No. 606,148
Renewed April 20, 1934
8 Claims. (Cl. 103—46)

1. In a device of the character described, the combination of means to create hydraulic pressure, conduits for such pressure to a hydraulic pressure chamber; conduits for hydrostatic pressure, and a plurality of hydrostatic pressure chambers served by said conduits; a pump barrel enclosing said hydraulic pressure chamber and having extensions at each end enclosing said hydrostatic pressure chambers, a pump-plunger operatively mounted in said pump-barrel and having a surface opposed to the pressure within the hydraulic pressure chamber and another surface opposed to pressure within one of the hydrostatic pressure chambers; a valve plunger operatively mounted in an extension of said pump barrel and having a surface opposed to pressure within said hydraulic pressure chamber and other surfaces opposed to pressure within a hydrostatic pressure chamber, the relative areas of the re-



spective surfaces opposed to pressure being such as to permit hydraulic pressure to actuate the pump plunger in its power stroke and hydrostatic pressure to return it to initial position after having completed its power stroke.

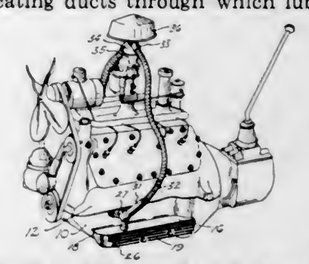
1,981,289
DOORLOCK FOR HOLLOW METAL DOORS
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application February 13, 1933, Serial No. 656,467
20 Claims. (Cl. 70—16)



1. A lock housing insertable in a hollow metal door stile, said housing forming a spacing and reinforcing member between the inner faces of the metal forming the stile, and projectable means carried by the housing and extending through openings formed in the faces of the stile to secure the housing within the stile and against removal.

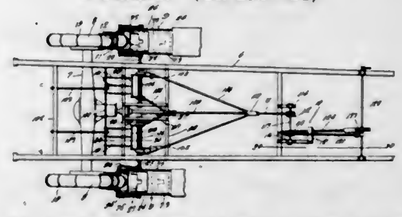
1,981,290
ENGINE LUBRICATION
Edward R. Spiegel and Wood Lee Wilson, Dallas, Tex.
Application September 5, 1933, Serial No. 688,160
5 Claims. (Cl. 184—104)

1. Lubricating oil cooling means for an internal combustion engine including its oil pan, comprising a pair of lubricant chambers, one on each side of the oil pan and both arranged above the plane of the bottom of the pan, and each having communicating ducts through which lubricating



oil will circulate between the oil pan and said lubricant chambers.

1,981,291
TIRE CHAIN APPLYING AND REMOVING MECHANISM
Doctor E. Thomas, Fairmont, W. Va.
Application September 7, 1932, Serial No. 632,034
Renewed October 9, 1934
4 Claims. (Cl. 152—14)



1. An automobile tire chain applying and removing mechanism comprising a primary spring clamp, a secondary spring clamp, a tire chain interposed between the clamps, means for applying and removing the clamps in sequence, said means including a drum and hook members for catching one of the clamps to start the chain onto the drum, a torque spring for the drum, and latch means for retaining the drum in spring tensioned position when the chain is applied.

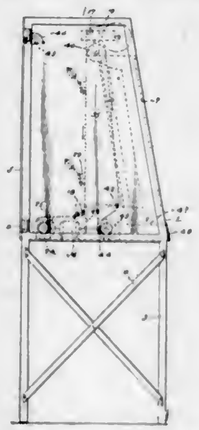
1,981,292
EMULSIFYING AGENT
William Todd and Anthony James Hailwood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 14, 1932, Serial No. 642,682. In Great Britain November 25, 1931
15 Claims. (Cl. 252—1)

1. A chemical composition comprising a protective colloid and a heterocyclic quaternary ammonium salt containing an acyclic carbon chain having at least ten carbon atoms.

1,981,293
TARGET RANGE
Albert G. Varrelman, Vineland, N. J.
Application June 3, 1933, Serial No. 674,254
Renewed June 18, 1934
2 Claims. (Cl. 124—15)

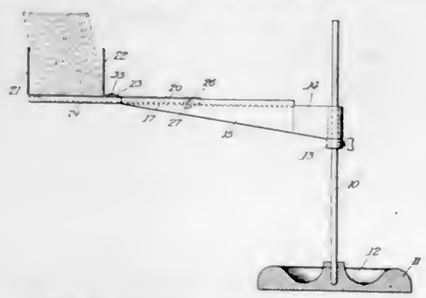
1. A device of the class described comprising a casing having an opening in its front, a strip having a longitudinally extending row of targets thereon, a roller upon which the strip is wound, means for rotatably supporting the roller in the upper part of the casing, a receiving roller in the lower part of the casing, guiding rollers for

guiding the strip from the first roller to the second roller in a vertical path, weighted rubber covered rollers for engaging the side portions of the strip for holding the same straight as it passes from one guide roller to the other, a bullet-proof plate in the rear of the casing, flange members in each side of the casing adjacent the side edges of the plate, a sand trap in the bottom of the casing at the rear thereof, means for illuminating the targets, a verification strip, an upper



roller carrying the same, a lower roller upon which the said strip is wound, a guiding roller for the verification strip located between the last mentioned upper and lower rollers, said last mentioned upper and lower rollers and the last mentioned guiding roller supporting a portion of the verification strip in rear of the vertical portion of the target strip, and means for turning the last mentioned lower roller for imparting movement to the verification strip while the target strip is stationary and is being shot at.

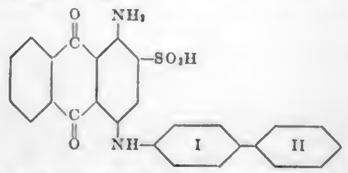
1,981,294
CARD AND ENVELOPE SUPPORTING TRAY
Elmer M. Wangen, Duluth, Minn.
Application July 25, 1932, Serial No. 624,560
5 Claims. (Cl. 211—11)



1. A card and envelope support including a standard, a horizontal member positioned on the standard for vertical adjustment, a tray having a depending longitudinal rib for fitting in a groove formed in the member, securing means holding the member and tray in assembled relation, said tray having a slot receiving the securing means to make the same adjustable on the member, and a plurality of spaced uprights on the tray for retaining envelopes and the like.

1,981,295
ANTHRAQUINONE DERIVATIVE
Klaus Weinand, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 1, 1932, Serial No. 614,844. In Germany June 2, 1931
7 Claims. (Cl. 260—60)

5. The compounds having in their free form the formula:—



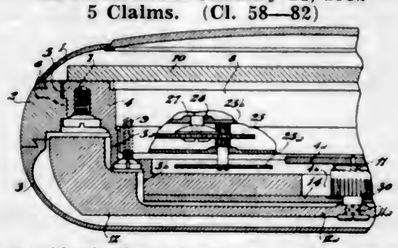
wherein the nuclei marked I and II may be hydrogenated or substituted by halogen atoms, alkyl-, alkoxy-, or acylamino groups, said compounds being in form of their alkali metal salts blue to green crystals, soluble in water, dyeing vegetable fibers strong and clear shades fast to light according to the methods usually applied for the direct dyeing of vegetable fibers.

1,981,296
CLIP
Jacob W. Woodruff, Cleveland, Ohio
Application July 17, 1933, Serial No. 680,859
12 Claims. (Cl. 24—66)



1. A clamping device of the class described, comprising, in combination, a pair of members for receiving material to be held therebetween, said members being relatively movable about a complemental axis, and means for locking said members in any one of a number of positions of adjustment when at least one of said members meets with resistance, which comprises a tubular member lying on the axis of rotation of the two parts and being reciprocable and having a part extending normal thereto and beyond the circumference of the tubular member for wedging relation with the first mentioned parts.

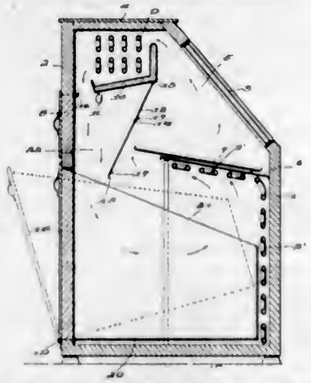
1,981,297
SELF-WINDING TIMEPIECE
Hermann Aegler, Bienne, Switzerland
Application January 6, 1933, Serial No. 650,567
In Switzerland January 14, 1932
5 Claims. (Cl. 58—82)



3. A self-winding timepiece comprising a case having a bezel and a back, a cup-shaped movement supporting member within the case, said member having a bottom wall and an open top,

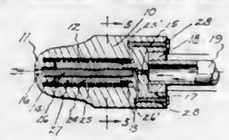
a dial extending across the open top of said member, and a winding pendulum mounted on the bottom wall of said member for oscillatory movement on the outside of said cup-shaped member between the bottom wall thereof and the back of the case.

1,981,298
REFRIGERATOR DISPLAY CASE
Len A. Banta, Clearfield, Pa., assignor of one-half to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Delaware
Application June 14, 1930, Serial No. 461,188
26 Claims. (Cl. 62—89.5)



1. In a refrigerator display case, a door, means for hinging the lower edge of the door to the case, a bin attached to the door and extending into the case therefrom, cooling means arranged within the case above the bin, and means for directing cooling air into cooling relation with the bin.

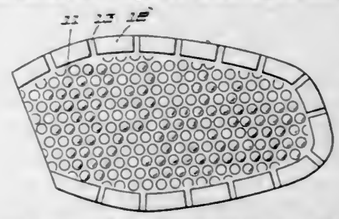
1,981,299
LIGHTER FOR GASEOUS FUEL BURNERS
Oakley K. Beckler, Dallas, Tex., assignor of forty-nine per cent to Grove W. Harris, Marshalltown, Iowa, and J. V. Bass, Omaha, Nebr.
Application September 1, 1933, Serial No. 687,783
6 Claims. (Cl. 219—32)



1. A lighter for gas burners comprising, an electrical heating element having an elongated restricted gas passage extending therethrough, and means in the element subject to intensive heating by an electric current located contiguous to the passage and extending therealong for heating the flowing gas to a sufficiently high temperature to cause it to ignite when discharged into the atmosphere.

1,981,300
SHOE SOLE
Otto M. Berg, Emeryville, Calif.
Application June 21, 1932, Serial No. 618,410
1 Claim. (Cl. 36—3)

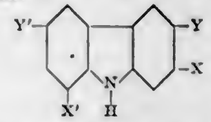
In a shoe sole, a ventilating member of resilient material having its peripheral portion provided with a plurality of independent supporting elements having air ports interposed between them, the portion of said body enclosed by said supporting elements being of less thickness than said elements, and provided with spaced apart protuberances, the tips of which are in approxi-



mately the same horizontal plane as the lower edges of said supporting elements.

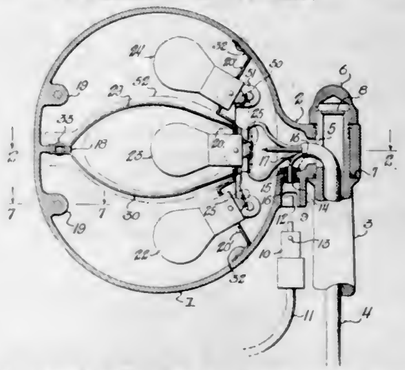
1,981,301
COMPOUNDS OF THE CARBAZOLE SERIES
Alfred Bergdolt, Cologne-on-the-Rhine, and Albert Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 5, 1933, Serial No. 664,666. In Germany April 13, 1932
9 Claims. (Cl. 260—46)

1. As new products carbazole compounds of the general formula:



wherein "X" and "X'" stand both for a sulfonic acid group or both for a hydroxy group, and "Y" and "Y'" stand both for hydrogen or both for a sulfonic acid group, being soluble in alkalies and organic solvents and being valuable intermediate products in the manufacture of dyestuffs.

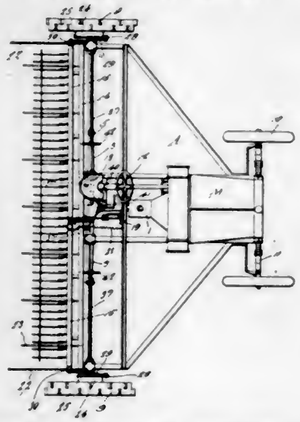
1,981,302
SIGNAL LIGHT FOR AUTOMOTIVE VEHICLES
Bornett L. Bobroff, Racine, Wis.
Application August 22, 1930, Serial No. 477,072
3 Claims. (Cl. 177—329)



1. A signal light for an automotive vehicle comprising a substantially oval-shaped casing frame having an inner side, an upper and a bottom side and an outer side, front and rear open faces, a base strip extending transversely between the faces and permanently secured at its ends to the upper and bottom sides of said casing interiorly thereof near the inner side and having a vertical central portion and upper and lower angular portions directed towards the inner side of the casing frame and diverging from the cen-

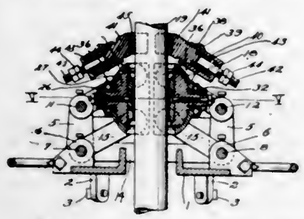
tral portion of the strip, each of the portions of the base strip having lamp sockets, partitions permanently secured at their inner ends to the central portion of the base strip above and below the lamp socket respectively and secured at their outer ends to the casing, the upper partition being upwardly bowed and the lower partition being downwardly bowed to form with the casing upper and lower semi-annular shaped compartments and a substantially oval shaped central compartment, lamps carried within said lamp sockets and extending into the respective compartments, and front and rear panels having transparent upper and lower portions, at least one of said panels having a transparent central portion.

1,981,303
MOTOR HAY RAKE
Corliss E. Botts, Cascade, Nebr., assignor of one-half to Clarence Clark, Elsmere, Nebr.
Application August 8, 1933, Serial No. 684,274
5 Claims. (Cl. 56—27)



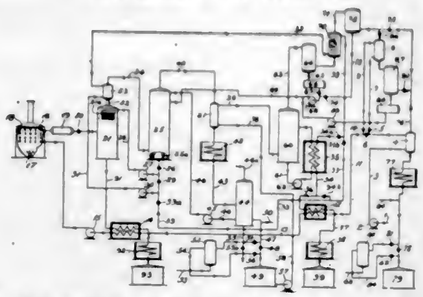
1. A motor driven rake comprising a frame, front and rear wheels carried by the frame, a power plant on the frame, a differential connected with the power plant, extension shafts connected by universal joints to the outer ends of the differential shafts, means for connecting the rear wheels to the outer end of said extension shafts, and a dump rake attached to the rear part of the frame.

1,981,304
ROD OR PIPE CLAMP
Fokko Brandt, Kansas City, Mo.
Application January 8, 1927, Serial No. 159,788
10 Claims. (Cl. 24—249)



1. A gripping device comprising a frame, a pair of jaws pivotally mounted on said frame, a pair of spring-actuated auxiliary jaws carried by said first named jaws, and means for swinging said jaws toward and from the axis of the frame.

1,981,305
PROCESS AND APPARATUS FOR THE CATALYTIC TREATMENT OF PETROLEUM
Ulric B. Bray, Los Angeles, and Ralph C. Pollock and David R. Merrill, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 10, 1929, Serial No. 384,984
15 Claims. (Cl. 196—36)



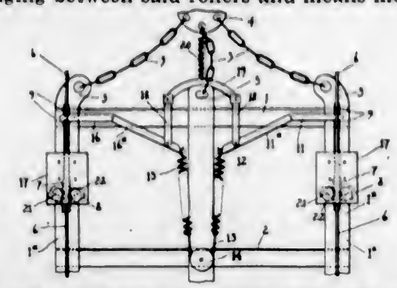
1. An apparatus for cracking oil which comprises a cracking means, a vaporizer connected therewith, a fractionating column, means for passing vapors from said vaporizer to said fractionating column, a condenser connected to said fractionating column, a second vaporizing column, means for introducing said condensate from said condenser to said second vaporizer, means for passing vapors from said vaporizing tower through a bed of adsorbent material, means for heating the vapors passing from said bed, means for passing the thus heated vapors through a bed of catalytic material, means for condensing said vapors, means for circulating condensate produced in said fractionating tower in heat exchange with vapors withdrawn from the first mentioned vaporizing tower and in heat exchange with the condensate produced in said first mentioned condenser and with the vapors issuing from said first mentioned bed of adsorbent material.

2. In processes of treating cracked petroleum distillate containing gum forming constituents wherein the distillate is vaporized and contacted with a metallic sulphide catalyst to convert sulphur compounds therein, the method of preventing poisoning of, and loss of efficiency in said catalyst which is poisoned by the presence of gum forming constituents in said distillate which comprises contacting the vaporized cracked distillate with a solid adsorbent material to polymerize said gum forming constituents to gums and to adsorb said gums so that the gum forming constituents are removed from the vaporized distillate before said distillate is contacted with the catalyst, and then contacting the vaporized distillate with a metallic sulphide catalyst to convert sulphur compounds in the distillate to forms readily soluble in sulphuric acid.

1,981,306
PIT CAGE AND THE LIKE
Alfred Bucknall, Swanley, England
Application January 22, 1934, Serial No. 707,841
In Great Britain February 2, 1933
2 Claims. (Cl. 187—87)

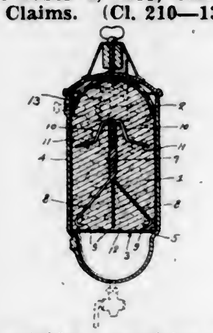
1. Apparatus for stopping the descent of a pit cage or the like on the hauling cable breaking comprising guide ropes for the cage reciprocable rack rods carried by the cage adjacent said guide ropes, racks carried by said rack rods, rack wheels engaging said racks, spindles carrying said rack wheels, rollers eccentrically mounted on said

spindles, rollers carried by the rack rods, cranked levers pivotally mounted on the cage, said levers engaging between said rollers and means moving



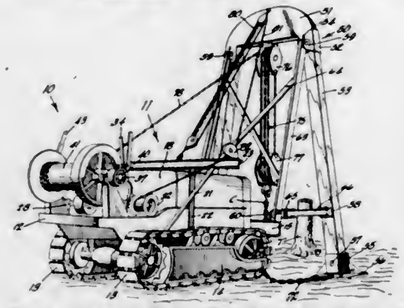
said cranked levers lifting the rack rods rotating the rack wheels and eccentrically mounted rollers to grip the guide ropes and means for moving said cranked levers.

1,981,307
FILTER CARTRIDGE
William Gordon Burhans, Kingston, N. Y.
Application October 6, 1933, Serial No. 692,529
3 Claims. (Cl. 210—131)



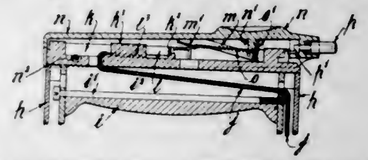
1. A filter cartridge comprising a body of compressible filtering material, and a support embedded in the body for preventing compressing thereof, said support including a plurality of wires having their intermediate portions twisted together and terminating in substantially outwardly projecting free end portions.

1,981,308
TREE PULLER
Josiah Copley, Corona, Calif.
Application June 19, 1934, Serial No. 731,280
8 Claims. (Cl. 254—139)



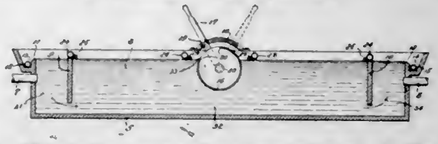
1. In a tree puller, the combination of: a tractor type of vehicle having a power unit for self-propulsion; a relatively high, massive, inverted-U frame adapted to rest on the ground a relatively short distance in front of said vehicle in an upright position; a rigid structure secured to an upper portion of said frame and extending downwardly and rearwardly therefrom; means connecting the lower end of the aforesaid structure to said vehicle, said means restricting free movement between said vehicle and said structure to a pivotal relationship about a horizontal axis extending transversely across the front of said vehicle; means for rigidly spacing the lower ends of the legs of said frame forwardly from the front end of said vehicle; tree pulling tackle suspended from said frame; and means for connecting said tractor power unit to said tackle to actuate the latter.

1,981,309
ELECTRIC IRON AND SWITCH THEREFOR
John Arthur Crossland and Ernest Milling Crossland, Strangeways, Manchester, England
Application September 27, 1933, Serial No. 691,222
4 Claims. (Cl. 219—25)



1. In an electric iron, a switch handle operated by the normal grasping and releasing thereof, comprising a body part of insulating material with a long recess in the upper face, two fixed contacts secured in the recess and in series with the heating element of the iron, a pivoted contact mounted in the said recess and adapted in one position to bridge the said fixed contacts, a pivoted cover overlying the whole of the body part, a spring normally tending to lift the cover about its pivot, and a further spring connecting the cover to the pivoted contact, the points of connection of the further spring being such that the pivoted contact is pulled into and out of engagement with the fixed contacts as the cover is depressed and raised respectively.

1,981,310
SKIMMING APPARATUS
Frank S. Currie, San Bernardino, Calif.
Application November 2, 1932, Serial No. 640,870
4 Claims. (Cl. 210—53)



1. Skimming apparatus comprising; a flotation tank having an overflow weir of variable level consisting of a lip of a rotatable cylindrical trough; means for blowing flotage on the fluid within said tank toward said weir; independent means adjacent the weir for blowing said flotage thereover when the weir is slightly above the fluid level, and thence into said trough; and an axial tube leading into said trough, through which the contents thereof may be removed.

1,981,311
PRODUCTION OF ORGANIC NITRO COMPOUNDS
Miles A. Dahlen, Wilmington, Del., and William L. Foohey, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1933, Serial No. 677,342
10 Claims. (Cl. 260—142)

1. In a process of producing nitrochlorobenzenes, the step which comprises treating a mono-

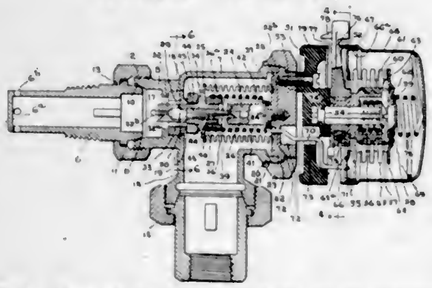
nitrochlorobenzene mixture comprising essentially para-nitrochlorobenzene and ortho-nitrochlorobenzene with a nitrating agent in sufficient amount and concentration for partial dinitration, whereby the ortho-nitrochlorobenzene is preferentially dinitrated.

1,981,312
COMPOSITE CORDAGE OR TWINE
Milo C. Dodge, Auburn, N. Y.
Application March 29, 1932, Serial No. 601,829
2 Claims. (Cl. 117—53)



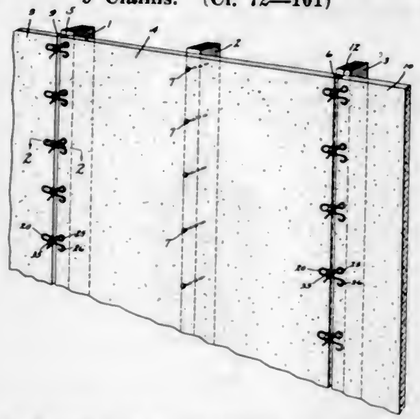
1. A twine composed of a twisted fiber center and a covering of paper spirally twisted on said center to entirely cover and retain said center intact, the twist of the fibers of said center and said paper covering being sufficiently low to impart softness and flexibility to the finished product, and a binder material incorporated in said twine in sufficient quantity to aid the twist of the paper in retaining the covering on said center and to render the finished product stable without appreciably detracting from the softness and flexibility inherent in the product due to the low degree of twist of said center and covering, said twine being substantially non-kinking and having a substantially smooth finish.

1,981,313
THERMOSTATICALLY OPERATED VALVE
Lewis W. Eggleston and Earnest J. Dillman, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application October 15, 1930, Serial No. 488,706
Renewed January 13, 1934
14 Claims. (Cl. 236—42)



1. A thermostatically operated valve comprising a hollow body having inlet and outlet openings and a ported valve seat, a valve in said body and cooperable with said seat, a sealed expansible-collapsible chamber in said body and heated by heating fluid in said body, and connected operatively to said valve to move it toward said seat, a thermostatic cell external to said body and supported thereby and connected communicatively to said chamber by a flow passage, said cell containing a thermo-responsive volatile liquid which expands and contracts in said cell in response to temperature change at said cell and acting when expanded to enter said chamber and be vaporized therein to create pressure to expand said chamber to move said valve toward closed position relative to said seat, and upon contraction to cause the fluid to flow from said chamber to said cell and permit said chamber to collapse, a retractile spring in said chamber to collapse said chamber and move said valve away from said seat, a fixed guide-post in said chamber to guide said valve in its movements relative to said seat, and means whereby said valve has a sliding and rocking movement on said post.

1,981,314
WALL CONSTRUCTION
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application October 20, 1930, Serial No. 489,987
9 Claims. (Cl. 72—101)

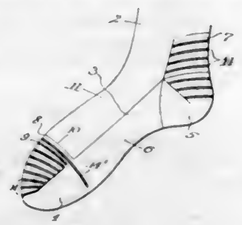


5. A building structure comprising spaced supports, sheets of expansible material laid against the supports to provide open joints on the supports, nails securing the sheets only to supports other than those on which the joints are formed, to permit free expansion and sliding of the sheets on those supports on which the joints occur, and a series of fastening devices arranged across the joint and engaging the faces of the sheets in a manner to prevent motion of the sheets outwardly from the supports but not to interfere with the sliding motions aforesaid, each comprising a single piece of wire bent to provide an open work structure including elongated portions which substantially extend in direction of the sliding motion of the sheets, and which have loops, one of the loops having an extension crossing elongated portions and having a loop which lies intermediate said portion and in opposition to the joint, a fastening device passing through the last mentioned loop and through the joint to secure the device to the studding without interfering with the sliding motion, and a plaster facing for the sheets which forms a bond with the fastening devices and enters the joint.

1,981,315
RUN STOP CONSTRUCTION FOR STOCKINGS
Jacob A. Goodman, Indianapolis, Ind.
Application April 11, 1932, Serial No. 604,576
2 Claims. (Cl. 2—241)

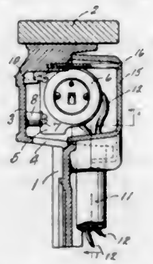
1. A stocking having a foot portion of plain knit fabric, and including a reinforcing construction at at least one end thereof where the stocking is subject to greatest wear by a shoe com-

prising a multiplicity of course-wise-extending protecting lines of stitches constituted of independent thread traversing the knitted fabric wales at spaced frequently recurrent intervals, each line of stitching engaging and interlocking with fabric needle loops and sinker loops in every wale traversed to prevent the passing of runs from either direction, the multiplicity of lines of stitches being spaced only a short distance one from the next so as to leave only narrow bands



of unprotected fabric therebetween and prevent holes and runs resulting from wear in the unprotected fabric from enlarging to a size such as to render the stocking unwearable, the stitches in the protecting lines lying flat against and engaging the stocking loops without distortion and permitting the fabric to lie flat and unbunched thus to prevent any material increase in thickness of the stocking at the lines and avoid ridges irritating to the foot.

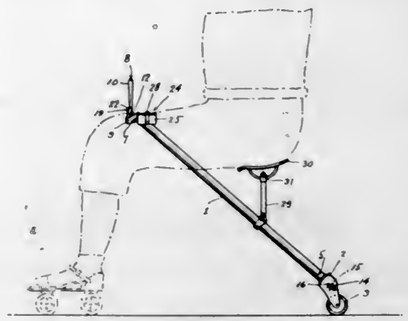
1,981,316
SEAT END STANDARD
George H. Hamilton, East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 17, 1932, Serial No. 638,067
3 Claims. (Cl. 240—4)



1. In a structure of the class described, a seat end standard for theatre aisle chairs having an integrally-formed outwardly-protruding portion provided with a plurality of openings at its lower side and forming a cavity open on its inner side, and a detachably-secured cover plate closing the open side of said cavity and forming a chamber for an electric lamp and its socket mounted therein upon the inside of the cavity wall whereby rays from a lamp within the chamber may issue through said openings to the aisle floor.

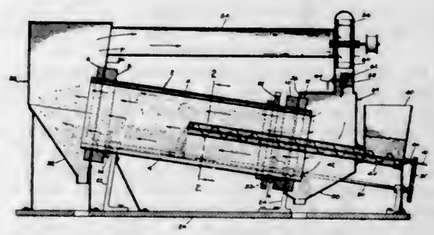
1,981,317
COASTER TOY
Joseph Bernard Jaglowicz, Louisville, Ky.
Application March 7, 1933, Serial No. 659,975
Renewed April 20, 1934
5 Claims. (Cl. 208—182)

1. A coaster toy comprising a tubular shaft, a supporting wheel journaled on the shaft, a leg engaging supporting member mounted on the shaft, a seat mounted on the shaft between the wheel and the supporting member, a rod mounted slidably in the shaft, a brake connected to the



rod and operatively engageable with the wheel, and a lever pivotally supported on the shaft and operatively connected to the rod for actuating said rod.

1,981,318
METHOD OF PRODUCING WHEAT GERM IN WHOLE AND UNFLATTENED STATE
Thomas R. James, Minneapolis, Minn., assignor to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware
Application October 29, 1931, Serial No. 571,773
3 Claims. (Cl. 209—2)

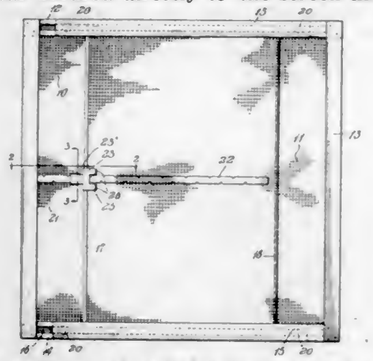


1. The method of separating wheat germ in a whole and unflattened state from germ stock containing wheat germ, and particles of bran and endosperm, which comprises dropping scattered particles of the germ stock across a flowing air current, collecting the particles and maintaining their distribution resulting from their drop across the air current, again dropping the particles as so distributed across an air current, then again collecting the particles and maintaining their distribution resulting from their second drop across the air current, and continuing these operations successively until separation of the wheat germ from the bran and endosperm is effected.

1,981,319
WINDOW SCREEN
Charles T. Jones, Kinston, N. C.
Application May 7, 1934, Serial No. 724,407
4 Claims. (Cl. 156—38)

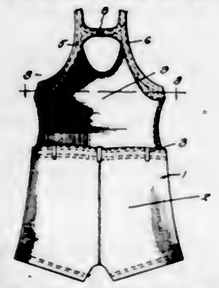
1. A window screen installation including two relatively slidable screen sections, a centrally dis-

posed bar secured directly to the screen meshes



of one section, and anti-friction means located between said sections.

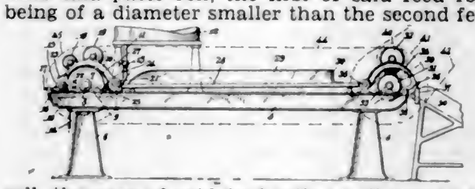
1,981,320
BATHING SUIT
Charles Lewis Martin, Winston-Salem, N. C., assignor to Indera Mills Company, Winston-Salem, N. C., a corporation of North Carolina
Application April 28, 1932, Serial No. 608,098
1 Claim. (Cl. 2—67)



One-piece elastic bathing suit comprising a trunks portion, belted at the waist line, and a body portion emanating from the front semi-circumference only of the trunks portion, and terminating laterally substantially at the sides of the body, said body portion being provided with integral shoulder straps extending to the back forming arm holes, a brassière area having its upper boundary defined by a circumferential line joining the bottoms of said arm holes and physically determined when the bathing suit is distended by the body by being the line of demarcation between a laterally stretched area and an area immediately above, not so greatly stretched, the body portion being provided with a neck indentation cut to a higher level than the bottoms of said arm holes whereby to provide an unbroken area above said brassière area for distributing the longitudinal strain produced when said bathing suit is distended, uniformly along the said line of demarcation, said shoulder straps drawing the underarm parts of the front portion rearwardly, tensioning said brassière area laterally whereby it is maintained taut across the breasts, and a cross strap connecting said shoulder straps at the back, intermediate the tops and bottoms of the arm holes for holding them in place.

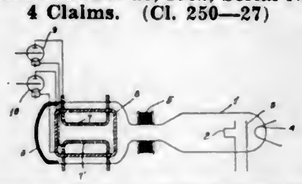
1,981,321
LAMINATED BOARD MAKING MACHINE
Lloyd Thurman Murphy, Chattanooga, Tenn.
Application July 22, 1930, Serial No. 469,762
3 Claims. (Cl. 91—51)

1. In a machine of the class described, a paste roll, a frame movable toward or away from said paste roll, a pair of positively driven feed rolls carried by said frame and spaced concentrically with said paste roll, the first of said feed rolls being of a diameter smaller than the second feed



roll, the axes of said feed rolls at all times parallel to the axis of said paste roll, and means limiting the movement of said frame in the direction of said paste roll.

1,981,322
CATHODE RAY TUBE
Tomomasa Nakajima and Kenjiro Takayanagi, Hamamatsu, Japan
Application November 16, 1932, Serial No. 642,970
4 Claims. (Cl. 250—27)



1. In combination, a cathode-ray tube comprising an anode, a grid, a filament, a focussing coil, two pairs of crossed deflecting coils and a fluorescent plate, saw tooth deflecting current generating devices connected to said deflecting coils, and neutralizing means arranged adjacent to said deflecting coils for neutralizing the magnetic field due to the direct current component of the saw tooth deflecting current passing through said deflecting coils.

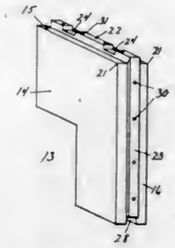
1,981,323
PROCESS FOR PRODUCING WOOD CELLULOSE COMPARABLE TO COTTON, WITH HIGH TENOR OF ALKALI RESISTING CELLULOSE
Francesco Carlo Palazzo and Fortunato Palazzo, Florence, Italy
No Drawing. Application January 23, 1933, Serial No. 653,180. In Italy December 24, 1932
2 Claims. (Cl. 92—13)

1. Process of manufacturing wood cellulose comparable with cotton, with a high tenor of "alkali resisting cellulose", characterized in that the cellulose to be refined is treated in autoclave with a liquor containing from 1 to 1.5% of sodic hydrate and from 0.2 to 0.3% of colloidal sodic salts of the emulsoid class, stable with respect to alkalis, at a pressure of 1 to 2 atmospheres and for a period of 1 to 2 hours.

1,981,324
INTERLOCKING PARTITION BLOCK
Elrey G. Peterson, Omaha, Nebr.
Application March 23, 1933, Serial No. 662,236
7 Claims. (Cl. 72—38)

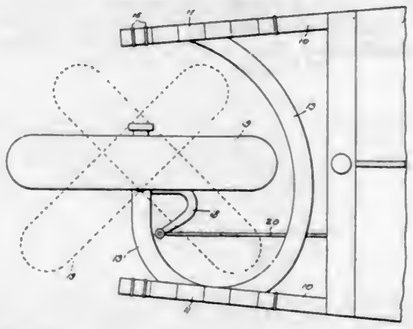
1. A building block comprising a body rectangular in cross section and provided with two oppositely disposed faces of substantially L-shape having six marginal surfaces between said faces, two of said surfaces being of greater area than any of the remaining four surfaces and of equal area with respect to each other, an outwardly projecting tongue on each said greater area surface, and grooves disposed in each said remaining

surface certain of said tongues having spaced notches therein, and lugs within certain of said



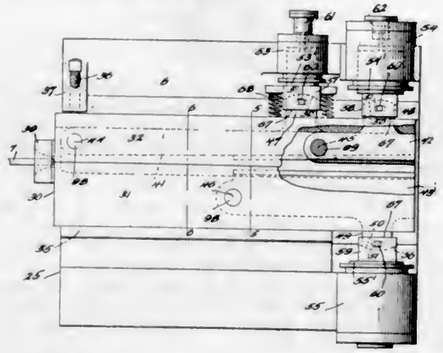
grooves adapted to seat in said notches to hold the abutting blocks against edgewise movement.

1,981,325
SINGLE WHEEL AXLE
Frank Prusa, Congress Park, Ill.
Application March 19, 1934, Serial No. 716,397
2 Claims. (Cl. 301—124)



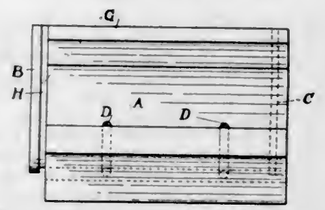
1. An axle for motor vehicle comprising a member of hyperboloidal form having an arm extending inwardly towards the center thereof, and means on said end of the arm for supporting a wheel.

1,981,326
FORGING TAPERED ARTICLES
John D. Pugh, Baltimore, Md.
Application July 16, 1930, Serial No. 468,394
11 Claims. (Cl. 29—169)



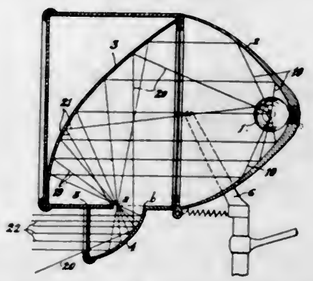
7. The method of forging a tapered article from a blank having walls of less convergence than those of the finished article, comprising applying pressure to said blank at substantially all points over the entire area to be forged simultaneously and progressively from zero at one end of the area to be forged to the maximum required at the other end of said area.

1,981,327
SILL BRICK
Richard Rimmer, Ainsdale, England
Application November 14, 1932, Serial No. 642,630
In Great Britain December 24, 1931
4 Claims. (Cl. 72—98)



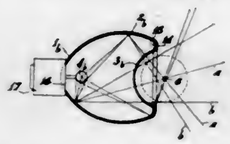
1. A sill brick comprising a top, a collecting groove in said top, for collecting water beneath the wooden sill, said wooden sill resting on said sill brick, the base of said collecting groove being inclined to the front, an underside to the brick, a drip groove in said underside, said drip groove being spaced from the wall of the building, said collecting and drip grooves being connected by a hole for draining the collecting groove.

1,981,328
ILLUMINATING DEVICE
Louis Rivier, Jouxtens-Mezery, Switzerland
Application February 9, 1931, Serial No. 514,645
In Switzerland February 18, 1930
1 Claim. (Cl. 240—41.1)



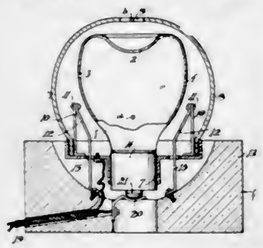
A light projector comprising a first reflector having a reflecting surface formed by a paraboloid of revolution, a light source mounted in said first reflector, a second reflector having a parabolic cylindrical reflecting surface, the focal line of said second reflector being disposed at right angles to the axis of the first reflector, the axis of the generating parabola of the second reflector being parallel to and spaced from the axis of the first reflector, said second reflector being disposed so that light rays reflected by the first reflector impinge on the concave reflecting surface of the second reflector, a third reflector having a parabolic cylindrical reflecting surface, the focal line of said third reflector coinciding with the focal line of the second reflector, and a light screen having a straight line edge positioned parallel with and adjacent to the common focal line of said second and third reflectors.

1,981,329
LAMP
Louis Rivier, Jouxtens, Switzerland
Application November 3, 1932, Serial No. 641,083
In Switzerland November 16, 1931
1 Claim. (Cl. 176—34)



In an electric lamp, a bulb having a cap, said bulb being formed as surface of revolution, a portion of which next the cap having the shape of a fragment of an ellipsoid, a second portion of the bulb surface projecting inwardly into the bulb to form an exterior cavity in the bulb surface, a third portion of the bulb surface forming a connecting surface between said ellipsoidal portion and the inwardly projecting portion of the surface, and a source of radiant energy placed in a focus of the ellipsoidal bulb portion in the interior of the bulb, a conjugate focus of the ellipsoidal bulb portion being situated outside of the bulb, the entire inwardly projecting portion of the bulb surface being transparent and extending between said two foci, and the entire ellipsoidal portion of the bulb surface forming a reflector for reflecting the rays issued by said source of radiant energy across said transparent inwardly projecting bulb portion.

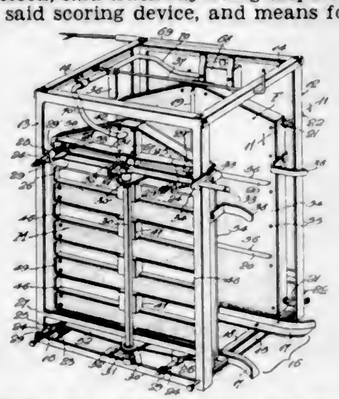
1,981,330
IGNITION DEVICE
Louis Rivier, Jouxtens, Switzerland
Application February 9, 1934, Serial No. 710,521
In Switzerland February 22, 1933
6 Claims. (Cl. 219—32)



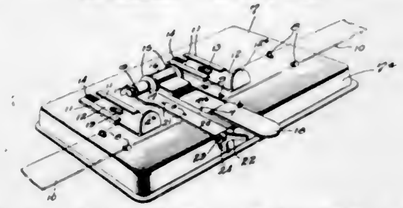
1. An ignition device comprising an electric light bulb containing a light source, a portion of the bulb being transparent and another portion of the bulb forming an ellipsoidal reflecting surface having one focus situated in the region of the light source and having the second focus situated outside of the bulb in proximity of a plane laid through the end of the ellipsoidal portion of the bulb at right angles to the major axis of this portion, and a light screen provided with an opening disposed in proximity of said second focus and having a smaller diameter than that of the cross-sectional area of the end of the ellipsoidal portion of the bulb.

1,981,331
ICE SCORING MACHINE
Eugene O. Robinson, Hutchinson, Kans.
Application August 28, 1933, Serial No. 687,204
12 Claims. (Cl. 62—112)

1. An ice scoring machine comprising a fixed scoring device, a laterally shiftable trackway for an ice block, said trackway being disposed at one side of said scoring device, and means for laterally shifting said trackway and the ice block to press said ice block against said scoring device.



1,981,332
FILM SPLICER
Harold F. Rohrdanz, Inglewood, Calif.
Application May 7, 1932, Serial No. 609,941
19 Claims. (Cl. 154—42)



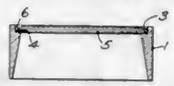
12. In a device of the class described, a base, a swingable cutter carried thereby, a combined splice limit defining and splice compressing member movably carried by said base, and film holding means including movable members carried by said base.

1,981,333
EYE DEVICE FOR FIGURE TOYS
Frederick H. Schavoir, Stamford, Conn.
Application November 22, 1933, Serial No. 699,242
8 Claims. (Cl. 46—40)



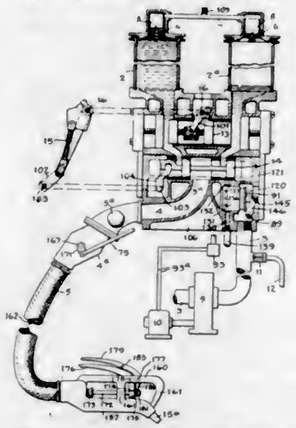
7. The combination with a figure head having an eye socket therein, the forward edge of which defines an opening through which the interior of said socket is accessible, of an eye unit insertible into said socket through said opening and comprising a transparent protective casing, a transparent fluid in said casing, a relatively movable member floatable in said fluid and carrying the representation of the iris of an eye and an eye lid contiguous to said iris, and said member having means for balancing the same while floating in said fluid so that the iris normally registers with the socket opening when the head is substantially vertical but permitting relative movement between said casing and member for causing the eye lid to register with said opening when the head is in a reclining position.

1,981,334
ARTICLE OF MANUFACTURE
William F. Schmalz, Rockville, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application July 17, 1930, Serial No. 468,649
1 Claim. (Cl. 18—59)



An article of manufacture comprising in combination, an open-ended body of molded material having at its open end an inward facing peripheral wall perpendicular to the end face and also having a shoulder projecting inward from the peripheral wall and facing endwise toward the said end face, and a relatively thin closure member for the opening initially entirely separate from the body engaging the endwise facing shoulder, the said closure member engaging at its periphery with the said inward facing wall and being beveled at its periphery to provide a sharp edge whereby it is held in place entirely by reason of inward pressure exerted as the result of the contraction of the body in cooling from a relatively high temperature.

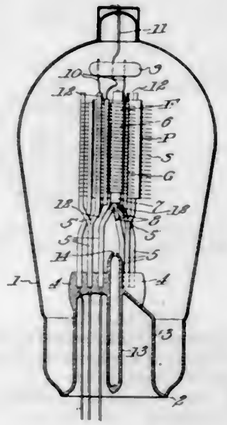
1,981,335
LIQUID DISPENSER
Paul S. Shield, Cincinnati, Ohio, assignor to Augustine Davis, Jr., Cincinnati, Ohio
Application December 8, 1931, Serial No. 579,688
19 Claims. (Cl. 221—100)



1. In a liquid dispensing apparatus, a delivery hose, a body on the nozzle end of said hose, a remote valve controlling the flow of liquid to said hose, a manually operable device associated with said body, hydraulic means operable by said device to open and close said valve, and means for automatically replenishing the working body of liquid in said hydraulic means.

1,981,336
VACUUM DEVICE
Harold A. Snow, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 15, 1928, Serial No. 306,204
1 Claim. (Cl. 250—27.5)

An electron discharge device including a stem having at one end a press with three equally spaced radial arms, a self-supporting electron emitting cathode mounted on and in axial alignment with said stem, a tubular grid mounted coaxial with and surrounding said cathode, a supporting wire projecting vertically from each of said arms at a radial distance from the axis of said stem equal to the radius of said grid and secured to said grid, a second grid of smaller diameter than said first grid, insulating supports



connecting said grids for supporting said second grid within said first grid and coaxial with said first grid, a tubular plate coaxial with and surrounding said grids, and a supporting wire projecting vertically from each of said arms at a radial distance from the axis of said stem equal to the radius of said plate and secured to said plate, said supporting wires substantially preventing lateral movement of said grids and plate with respect to said stem.

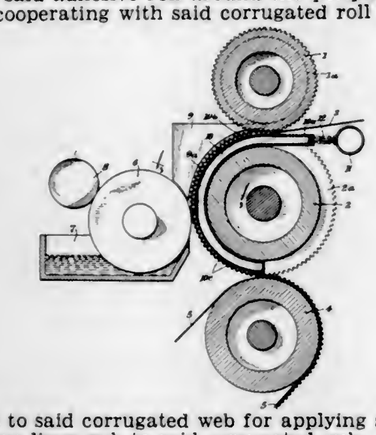
1,981,337
SODIUM DIPHENYL-PARA-SULPHONATE AND METHOD OF MAKING SAME
Wesley C. Stoesser and Robert F. Marschner, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 26, 1930, Serial No. 471,085
3 Claims. (Cl. 260—159)

2. Non-hydrated crystalline sodium diphenyl-para-sulphonate.

1,981,338
MACHINE FOR MAKING CORRUGATED PAPER BOARD
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application January 10, 1934, Serial No. 706,004
11 Claims. (Cl. 154—31)

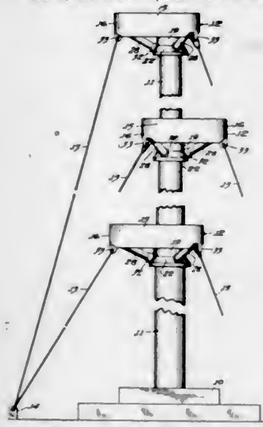
1. In a corrugated paper board machine, a corrugated roll rotatable about an axis and provided with axially spaced peripheral slots, stationary curved suction fingers inserted in said slots and provided with air exhausting channels and radial ports opening therefrom into the intercorrugation spaces of said corrugated roll, an adhesive roll cooperating with said corrugated roll in respect to a corrugated web enmeshed with said corrugated roll, and means spaced

from said adhesive roll around the periphery of and cooperating with said corrugated roll in re-



spect to said corrugated web for applying a continuous liner web to said corrugated web.

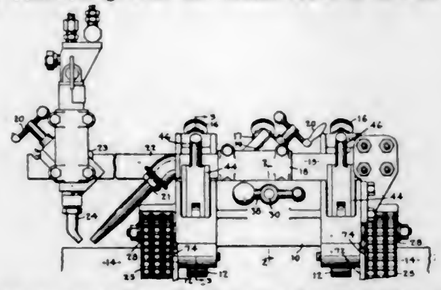
1,981,339
AERIAL MAST
Edward C. Vrooman, Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application June 25, 1930, Serial No. 463,706
20 Claims. (Cl. 189—27)



14. Means for connecting guys with a mast in non-conducting relation thereto, comprising a collar fitting on the mast, a frame member surrounding the collar in spaced relation thereto and provided with means for attachment of guys, and insulating means located between the collar and frame, the insulating means comprising a series of radially arranged insulators provided with heads abutting against the collar and the frame, the collar and the frame being formed at their outer and inner surfaces respectively with sockets receiving said heads, the sockets and the heads being correspondingly curved.

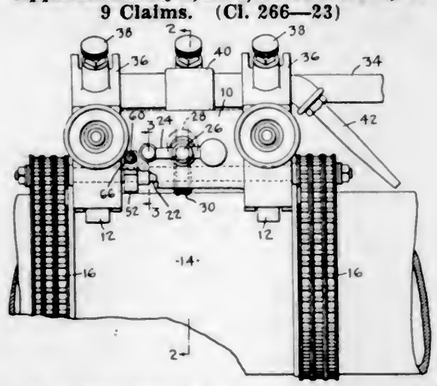
1,981,340
CIRCUMFERENTIAL PIPE CUTTING OR WELDING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1932, Serial No. 628,664
15 Claims. (Cl. 266—23)

1. A circumferential pipe cutting or welding machine, comprising a torch carriage; rollers on the carriage for supporting it stably on the surface of a pipe; flexible members for surrounding the pipe to hold the carriage rollers against the pipe; and wheels on the carriage for contacting with the under sides of the flex-



ible members, the wheels being located at opposite sides of the carriage and outside of the rollers so that the wide spacing of the flexible members will prevent twisting of the carriage as it moves around the periphery of the pipe.

1,981,341
CIRCUMFERENTIAL PIPE CUTTING OR WELDING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1933, Serial No. 678,609
9 Claims. (Cl. 266—23)

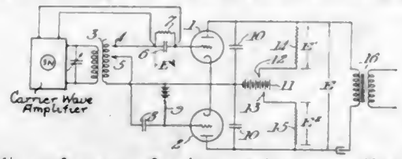


1. A circumferential pipe cutting or welding machine, comprising a torch carriage, wheels supporting the torch carriage to travel on and around the surface of the pipe, means comprising a flexible element adapted to be passed about the pipe and in engagement with the carriage so as to hold the carriage to the pipe, drive mechanism on the carriage for producing relative circumferential feed between the carriage and the pipe, and a friction brake resisting the operation of said drive mechanism.

1,981,342
VACUUM TUBE DETECTOR
Knox Charlton Black, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 21, 1930, Serial No. 446,097
11 Claims. (Cl. 250—27)

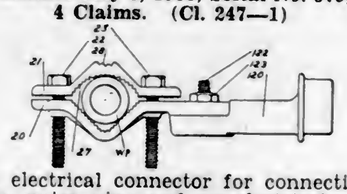
11. In combination in a radio receiver, a detector stage comprising a pair of tubes having common signal input circuit and a common output circuit, means for connecting the grid of each tube to points of high alternating current potential on said input circuit, means for operating one of the tubes as a grid circuit rectifier,

means for operating the other tube as an anode circuit rectifier, the detected outputs of said tubes being combined in additive relation in said output circuit, a carrier wave amplifier having its output coupled to the said common input



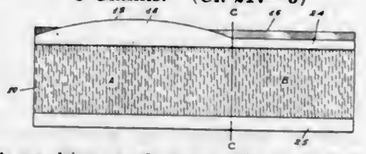
circuit, and means for impressing upon the said carrier wave amplifier a rectified voltage developed in the grid circuit of said grid rectifier, said rectified voltage varying linearly with applied signal voltage.

1,981,343
GROUND FITTINGS
Stephen W. Borden, Summit, N. J.
Application July 8, 1933, Serial No. 679,522
4 Claims. (Cl. 247—1)



1. An electrical connector for connecting together a water pipe and an electrical conduit which includes; a first rigid section for seating against the pipe said section having means for attachment to the pipe and having also a circular boss with a hole through its center; and a second rigid section having means for attachment to a conduit and also a circular open channel wire seat to receive the boss; and a stud in the center of the circular channel wire seat and attached thereto and extending through the hole in the boss and a thread and nut on the stud for fastening the sections together and for clamping a wire between the sections.

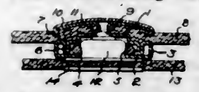
1,981,344
PACKING PAD
Robert W. Burrows, Petaluma, Calif.; Mabel Burrows, executrix of said Robert W. Burrows, deceased, assignor to William K. Jaquith, Petaluma, Calif.
Application September 28, 1931, Serial No. 565,473
8 Claims. (Cl. 217—3)



1. A packing pad comprising a plurality of flaccid sheets in overlying relationship and having portions up-formed from their normal planes providing ridges and valleys, and a backing sheet of material more rigid than the flaccid sheets, said sheets being relatively held at two edges.

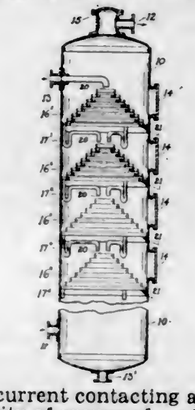
1,981,345
SNAP FASTENER SOCKET
Moses F. Carr, Lincoln, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 17, 1933, Serial No. 652,156
3 Claims. (Cl. 24—218)

1. A snap fastener socket comprising a hollow stud-receiving casing part formed from sheet metal and having a stud-receiving aperture at one side thereof, a stud-engaging spring located in said casing and intersecting said stud-receiving aperture, said casing part having a continuous one-piece front face surrounding the stud-receiving aperture, a back face spaced therefrom, a peripheral wall connecting the two faces of



the casing and means located inwardly from said peripheral wall and entirely between the faces to support said faces and prevent accidental crushing of the casing part thereby to maintain the proper spacing for operation of said spring.

1,981,346
FRACTIONATING TOWER
Luis de Florez, Pomfret, Conn.
Application January 14, 1931, Serial No. 508,793
2 Claims. (Cl. 261—114)



1. A countercurrent contacting apparatus comprising a plurality of groups of conically arranged annular receiving members having progressively increasing diameters, each of said individual annular members adapted to spill liquid progressively outwardly, the lower edges of the inner annular members of each group resting within the next larger annular member forming an orifice for gases, the lower member of each group being adapted to discharge to the upper member of the next corresponding group, and reseating means for limiting vertical movement between the individual annular receiving members, whereby the orifice area may be increased under abnormal conditions.

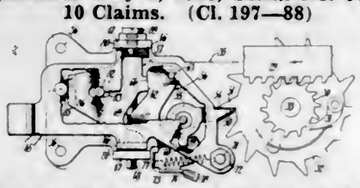
1,981,347
RADIOCABINET
Edward T. Dickey, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 25, 1928, Serial No. 314,876
5 Claims. (Cl. 181—31)



5. A baffle for acoustic apparatus and the like comprising a flat panel having an opening therein

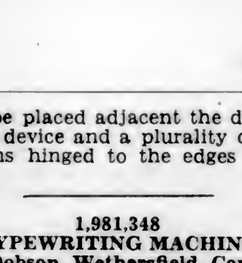
adapted to be placed adjacent the diaphragm of the acoustic device and a plurality of additional baffle sections hinged to the edges of said flat panel.

1,981,348
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 8, 1933, Serial No. 679,461
10 Claims. (Cl. 197—88)



1. In a typewriting machine having a power-driven letter-feeding carriage; a quiet escapement mechanism including a pivoted carriage stepping dog and a holding dog, said dogs mounted for co-operation with a toothed escapement member, a stop, and a pivoted lever connected to swing with the stepping dog, said lever having a stop-portion to strike said stop to arrest and thereby limit the carriage-advancing swing of the stepping dog, the lever-arm of said stop-portion being shorter than the lever-arm connected to the stepping dog so as to minimize the displacement of said stop-portion from said stop, thereby to minimize the noise of impact.

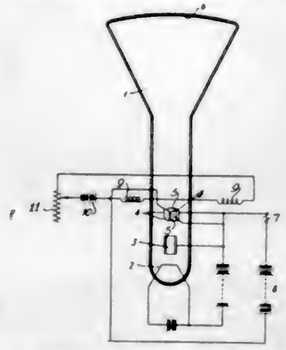
1,981,349
GAS BURNER
Harry H. Dodge, Troy, N. Y., assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y., a partnership consisting of Ramsay Hoguet, John F. Neary, and Daniel L. Morris.
Application November 22, 1928, Serial No. 321,155
3 Claims. (Cl. 158—99)



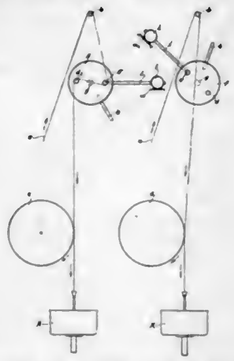
1. In a device of the class described, a burner arm having a head, a burner radially adjustably mounted on said head and having an air conduit and a combustible mixture conduit, said head of said arm having conduits corresponding with the conduits of the burner irrespective of the adjustment of the burner on the head.

1,981,350
OSCILLOGRAPH
Kurt Engel, Gollenweg, Koslin/Pommern, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany
Application September 21, 1932, Serial No. 634,143
In Germany September 24, 1931
2 Claims. (Cl. 171—95)

1. In a cathode ray oscillograph tube, the method of obtaining a visual representation of an alternating voltage wave to be investigated which comprises generating a cathode ray within the tube, applying an alternating voltage wave to one set of the deflecting electrodes of the tube to cause the ray to be deflected to a degree to correspond to the amplitude of the supplied voltage, and superimposing upon the supplied alternating current voltage applied to the deflecting electrodes a direct current voltage of a value at least equal to the crest value of the applied alternating current voltage.



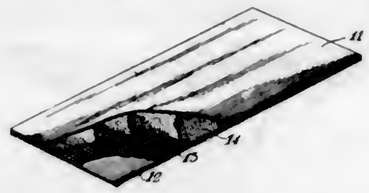
1,981,351
MEANS FOR STRETCHING FILAMENTS
Rudolf Etzkorn, Oberbruch Regierungsbezirk Aachen, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application March 11, 1931, Serial No. 521,837
In Germany March 29, 1930
6 Claims. (Cl. 18—8)



1. In a device for imparting a stretch to filaments, means for drawing the thread at a constant speed, a disk, guide means on the disk, weight-actuated means for pressing the guide means against the filament at a plurality of points, and a stop for preventing movement of said guide means beyond a predetermined point.

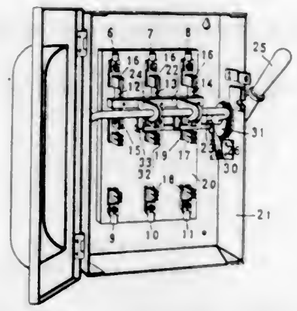
1,981,352
ELECTROLYTIC CONDENSER
Hal F. Fruth, Indianapolis, Ind., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana
Application March 1, 1934, Serial No. 713,449
9 Claims. (Cl. 175—315)

1. A dry electrolytic condenser comprising two electrode plates, at least one of which is provided with a current-blocking film, a laminated spacer interposed between said electrode plates consisting of a reticular lamina and a flexible non-



fibrous cellulose lamina, and a film-maintaining electrolyte impregnating said cellulose lamina.

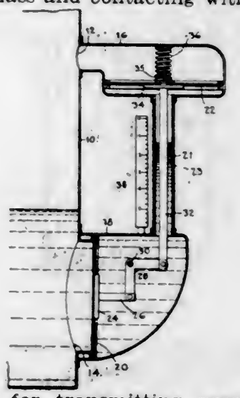
1,981,353
SAFETY LOCK FOR ELECTRIC SWITCHES
Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application February 6, 1933, Serial No. 655,335
3 Claims. (Cl. 200—87)



1. A switch construction including an enclosure having a cover, stationary and movable contacts within said enclosure, external means for operating said movable contacts, a magnet having an armature within said enclosure, a latch operably connected with said armature within said enclosure, said magnet being adapted to move said latch into position to prevent the movement of said external operating means when the current in the circuit is excessive and a spring for normally retaining said latch in inoperable position when the circuit is normal and to automatically move said latch into inoperable position when excessive current conditions have ceased, all of the parts of the magnet, the armature and the latch being inaccessible when the cover is closed.

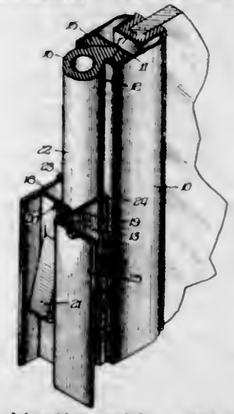
1,981,354
LIQUID GAUGE
Walter Goerg, Woodcliff, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 28, 1932, Serial No. 607,979
7 Claims. (Cl. 73—54)

1. A water-level indicator including upper and lower gauge fittings; a gauge glass held at opposite ends of said fittings, a flexible diaphragm in the lower fitting for preventing liquid from flowing through the lower fitting; a flexible diaphragm in the upper fitting for preventing fluid from flowing through the upper fitting; and pressure-transmitting means extending through the gauge glass and contacting with both of the



diaphragms for transmitting pressure exerted against one diaphragm to the other diaphragm.

1,981,355
SASH CONSTRUCTION
William S. Hamm, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1932, Serial No. 610,645
15 Claims. (Cl. 189—72)

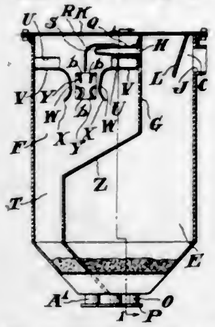


1. The combination with a sheet metal sash, and guides at the sides of the same, of rubber extension strips on the side rails of the sash in vertically slidable engagement with the guides, said extensions being characterized by base portions which fit into grooves in the side rails and by head portions which project into the guides.

1,981,356
DUST REMOVAL DEVICE
Theodore F. Hatch, Cambridge, Mass., assignor, by mesne assignments, to Kadco Corporation, New York, N. Y., a corporation of New York
Application June 16, 1933, Serial No. 676,036
5 Claims. (Cl. 183—34)

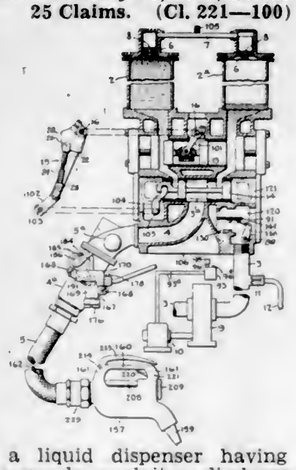
1. A dust removal device comprising a casing having a separator compartment through which dust laden air flows, said compartment having inlet and outlet openings, a nozzle forming a continuation of the inlet opening and having a restricted portion to accelerate the velocity of the air flowing into the compartment, a baffle to deflect the air stream issuing from the nozzle for casting dust from the air stream, and curved

plates in the compartment arranged at different elevations to cause a swirling motion of the air



flowing to the outlet opening for centrifugally projecting dust from the air.

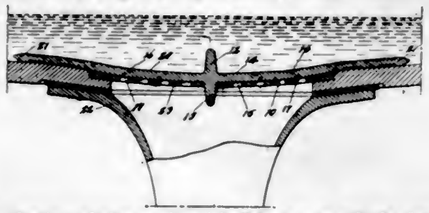
1,981,357
NOZZLE CONTROL OF DISPENSERS
Walter H. Haupt, Ludlow, Ky., assignor to Augustine Davis, Jr., Cincinnati, Ohio
Application February 28, 1931, Serial No. 518,946
25 Claims. (Cl. 221—100)



1. In a liquid dispenser having measuring means, a supply conduit, a discharge conduit, a hose connected with said discharge conduit, and a motor and pump for supplying liquid through said supply conduit to said measuring means, the combination of a power-control organ for said motor, a master valve in connection with said supply conduit, a shut-off valve in said discharge conduit, a body connected to the nozzle end of said hose, a manually operable device associated with said body, a Bowden-wire connected with said device and passing lengthwise of said hose, operating connections from the remote end of said Bowden-wire to said shut-off valve, said master valve and said power-control organ to move the same to the working condition, and means other than said Bowden-wire for effecting return of said shut-off valve, said master valve and said power-control organ to non-working condition.

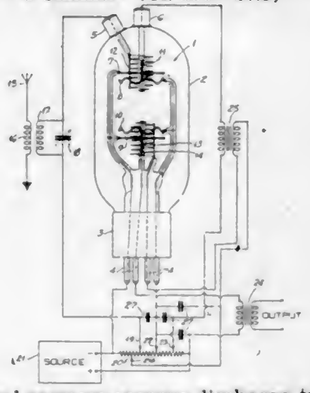
1,981,358
SINK STOPPER
Joseph B. Hernandez, New York, N. Y.
Application May 12, 1933, Serial No. 670,737
4 Claims. (Cl. 4—293)

1. A reversible sink stopper, comprising a thin disk of flexible waterproof material having a projection centrally from each face and spaced indentations in each face which increase the flexibility of the disk, said projections being relatively narrow to permit them to enter freely into one of a plurality of small outlet holes in



the drain plate and said disc as a whole being sufficiently flexible to substantially conform under normally developed pressure differences to any irregularities in the sink at the drain portion.

1,981,359
DUAL PURPOSE GASEOUS DISCHARGE TUBE
August Hund, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application July 29, 1932, Serial No. 625,621
4 Claims. (Cl. 250—27.5)



1. A dual purpose gaseous discharge tube comprising, a sealed envelope containing an attenuated gas and a plurality of electrodes arranged in two similar electrode systems, each of said systems including a pair of ionizing electrodes across which a suitable potential drop may be established for setting up a primary ionization discharge therebetween, each of said electrode systems having an output anode and a control electrode and means including said primary ionization electrodes for establishing a secondary ionization discharge co-axial with said primary ionization discharge and in the vicinity of each of said output anodes.

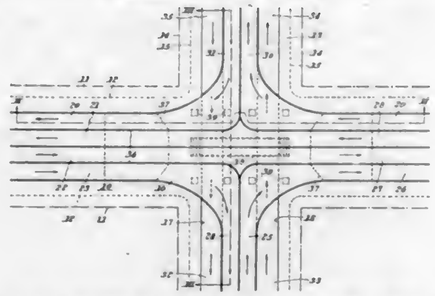
1,981,360
PRODUCTION OF ARALKYLARYL CARBOXYLIC ACIDS
Alphons O. Jaeger, Mount Lebanon, and Lloyd C. Daniels, Crafton, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application February 27, 1931, Serial No. 518,903
11 Claims. (Cl. 260—64)

8. As a new chemical product, a halogenated aralkylaryl ortho carboxylic acid having the formula

$$Ar—CH_2—Ph—COOH$$

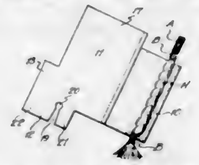
in which Ar is a chlorine substituted mononuclear aromatic radical and Ph is a benzene nucleus substituted or unsubstituted.

1,981,361
CROSSING STRUCTURE
Albert S. Jones, Pittsburgh, Pa.
Application June 12, 1931, Serial No. 543,884
7 Claims. (Cl. 94—1)



1. In a crossing structure for intersections, the combination with separate, spaced underground passages continuing through the intersection for through traffic, of an elevated roadway therebetween and turning right over the intersection for traffic turning right.

1,981,362
WRAPPER FOR USE IN HAIR WAVING PROCESSES
William H. Joyce, Jackson Heights, N. Y.
Application May 18, 1933, Serial No. 671,678
6 Claims. (Cl. 132—36.2)



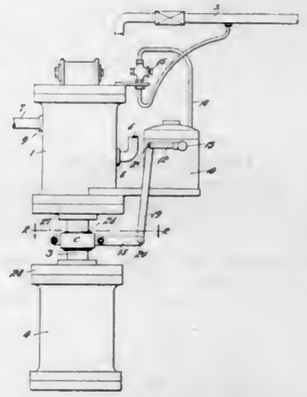
1. A wrapper for enclosing a wound strand of hair during a hair waving process comprising a flexible wrapper body of substantially rectangular configuration and including a sheet of non-absorbent material inherently capable of maintaining a deformed condition when the body is wound, a pad secured to one of the longitudinal edges of said wrapper body, and an extension portion provided at one end of said wrapper body and terminating inwardly of the longitudinal edge of the same to which said pad is secured.

1,981,363
METHOD OF MAKING WING NUTS
Arthur W. Kimbell, Newton Center, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 13, 1932, Serial No. 616,835
3 Claims. (Cl. 10—86)



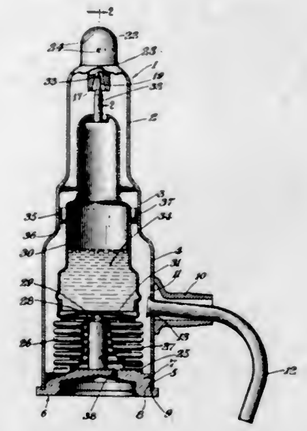
1. The method of making a wing nut which comprises pressing out the center portion of a sheet metal blank to form a shank, cutting the remainder of said blank to form wing portions, twisting said wing portions from a plane transverse to the axis of the shank to a plane parallel relative to the axis of the shank and threading the shank at any time after it has been formed.

1,981,364
LUBRICATING DEVICE
John P. Laux, Bethlehem, Pa., and Eben Ray Packer, New Rochelle, N. Y.
Application June 13, 1933, Serial No. 675,544
5 Claims. (Cl. 184—27)



1. A lubricating device for air pump mechanisms of locomotives having in combination with the fluid operating motor, air pump and piston rod associated therewith, a lubricant feed device provided with an actuator shaft and an arm for moving said shaft, operating means therefor comprising a connector member slidably fitted to the piston rod to be movable therewith for part of the piston rod stroke and connections from said connector member to the arm to transmit motion thereto to actuate the feed device.

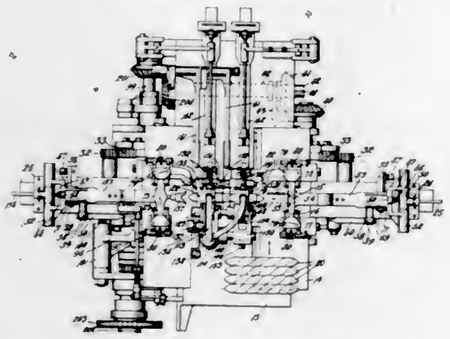
1,981,365
AIR VALVE FOR RADIATORS AND THE LIKE
William F. Macdonald, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application April 8, 1931, Serial No. 528,597
5 Claims. (Cl. 236—61)



1. An air valve for a radiator or the like, including, in combination, a casing adapted to be connected to a radiator, said casing being provided with a vent near its upper end, a hollow float member within the casing provided with a

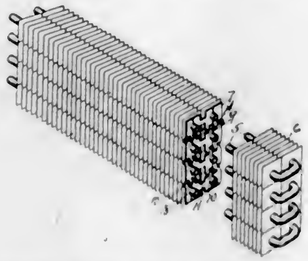
valve at its upper end to close said vent, part of the float member being responsive to pressure changes within said float member, an expansible and contractible bellows within the lower part of the casing having a pin member extending therethrough having engagement with the base of the casing at one end to form a fixed stop, the other end of the pin engaging said float member, whereby when the pressure within the float member increases the valve will be closed, and whereby when the pressure within the casing decreases, the valve will be closed.

1,981,366
BANDING MACHINE
Francis X. Malocsay, Upper Saddle River, N. J., assignor to International Banding Machine Company, New York, N. Y., a corporation of New York
Application March 6, 1934, Serial No. 714,229
15 Claims. (Cl. 131—61)



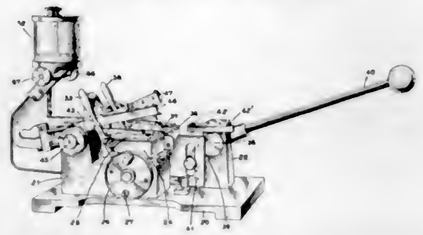
1. In a cigar banding machine, means for simultaneously applying two cigar bands to a cigar in spaced apart relationship and means for regulating the spacing of the bands on the cigar.

1,981,367
RADIATOR
Arthur J. Mason, West Hartford, and William L. Tancred, Hartford, Conn., assignors to The Bush Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application December 6, 1932, Serial No. 645,920
9 Claims. (Cl. 257—124)



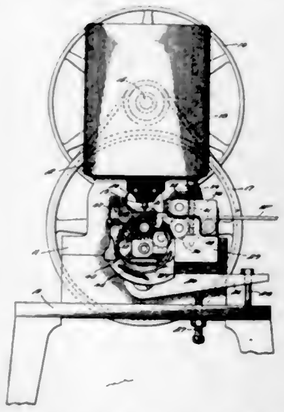
4. A radiating structure including tubes disposed in substantially parallel relation with radiating fins spaced apart along such tubes, a supporting plate comprising sections applied to the tubes to stiffen the structure, loops formed in each of the sections, and a rod extended through said loops to fasten the sections together.

1,981,368
APPARATUS FOR SPLICING FILMS
John A. Maurer, Jr., New York, N. Y., and Halton H. Friend, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application March 29, 1932, Serial No. 601,742
16 Claims. (Cl. 154—42)



1. A splicing mechanism including means operable to maintain a pair of strips in alinement with one another, means operable to sever said strips along surfaces at an angle to their faces, and means for uniting said surfaces.

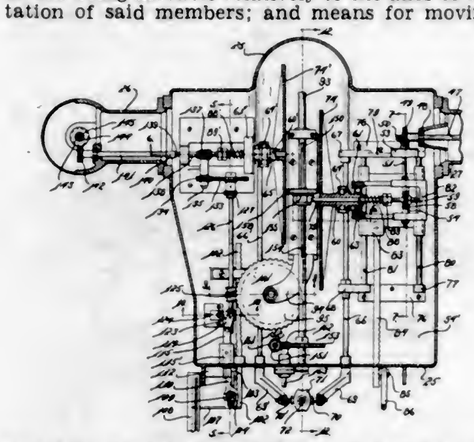
1,981,369
JEWELRY ORNAMENTATION
John M. Miller and George F. Fenton, Providence, R. I., assignors to The Progressive Ring Company, Providence, R. I., a corporation of Rhode Island
Original application November 23, 1933, Serial No. 699,476. Divided and this application May 11, 1934, Serial No. 725,151
10 Claims. (Cl. 29—33)



1. In an impressing machine, a reciprocable plunger, a rotatable anvil, feed rolls for feeding a metal wire to said plunger and anvil to be worked therebetween, and means for shaping the worked wire into arcuate form.

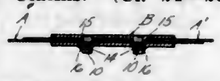
1,981,370
FILM FEEDING MECHANISM
Duane Mowat, Detroit, Mich., assignor to Harry F. Vickers, Detroit, Mich.
Application May 22, 1930, Serial No. 454,602
20 Claims. (Cl. 242—55)

1. In a film feeding mechanism: a pair of reel rotating means; a pair of rotatable members, each adapted for driving one of said reel rotating means; means for driving said members, said means being movable relatively to the axes of rotation of said members; and means for moving



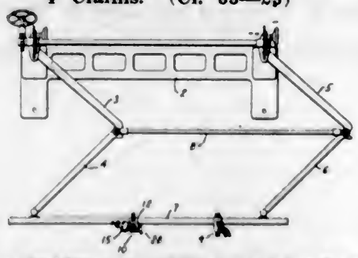
said driving means relatively to the axes of rotation of said rotatable members.

1,981,371
SEAL FOR METAL STRAPS
Frank P. Prindle, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application November 25, 1932, Serial No. 644,157
7 Claims. (Cl. 24—23)



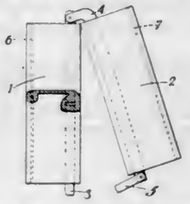
1. A seal for metal straps comprising overlapping strap ends and a metal sleeve encircling the same, said seal having at each side of the sleeve a pair of tongues each formed of a U-shaped portion of the sleeve and interposed portions of the strap ends, the metal of the sleeve and the strap ends being sheared at the inside edges of the tongues, the strap portions at the outside edges of the tongues being unbroken and having shoulders, said sleeve having shoulders corresponding to and interlocking with said shoulders on said strap portions.

1,981,372
TRACER DEVICE
Eugene L. Ragonnet, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application March 17, 1930, Serial No. 436,554
4 Claims. (Cl. 33—23)



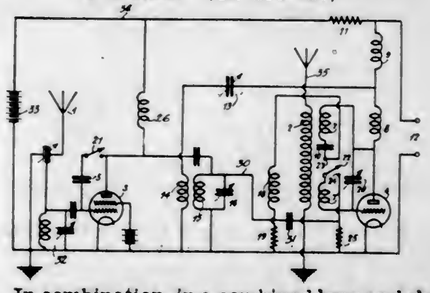
2. In a welding or cutting machine having a frame supported for universal movement in a plane, the combination of a power driven tracer connected with the frame for floating vertical movement with respect to the frame; a handle and mechanism operated thereby for elevating and lowering the tracer with respect to the frame; and locking means operated by the handle for holding the tracer in elevated position.

1,981,373
HAIR WAVING APPLIANCE
Carl Ronzi, Zurich, Switzerland
Application August 12, 1933, Serial No. 684,875
In Switzerland August 20, 1932
2 Claims. (Cl. 132—36.1)



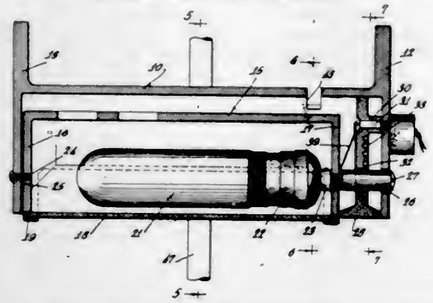
1. A wrapper for holding a coiled tress of hair during the permanent waving operation comprising in combination: a device for gripping the tress of hair near the root consisting of two pivotally connected gripping limbs, means for holding said gripping limbs in the gripping position; at least one of the gripping limbs of the gripping device being provided with a flexible wrapper member the outer free longitudinal edge of which is thickened and means for fixing said thickened edge portion to the other gripping limb.

1,981,374
COMBINED LONG AND SHORT WAVE RECEIVER
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany
Application October 1, 1931, Serial No. 566,197
In Germany February 19, 1931
6 Claims. (Cl. 250—20)



1. In combination, in a combined long and short wave receiver, an electron tube provided with a tunable input circuit and a tunable output circuit, a second electron tube provided with a pair of input electrodes connected across the tunable output circuit of said first tube, means in the anode circuit of the second tube adapted to couple it to a load circuit, a regenerative feed-back path connected between the anode circuit of the second tube and the tunable output circuit of the first tube, a long wave antenna coupled to the tunable input circuit of the first tube, a short wave antenna, means for coupling the input and output circuits of the first tube to render the said first tube and its associated circuits capable of producing interruption frequency energy, and means for disconnecting the input electrodes of the second tube from the tunable output circuit of the first tube and instead coupling the anode and grid of the second tube to the short wave antenna.

1,981,375
MORTICIAN'S LAMP
Robert Earl Snyder, Pasadena, Calif., assignor of one-half to Fred L. Harter, Los Angeles, Calif.
Application July 22, 1933, Serial No. 681,749
6 Claims. (Cl. 240—1)



1. A lamp of the class described comprising a main housing having an open side, a lamp housing having a side through which light may be projected, pivotally mounted in the main housing, a lamp in the lamp housing, a means for turning the lamp housing so as to move the light projecting side of the lamp housing into or out of complete registration with the open side of the main housing, a means providing a rheostat between the main housing and lamp housing operatively connected thereto so that on turning the lamp housing in the main housing the intensity of light generated by the lamp will automatically be varied.

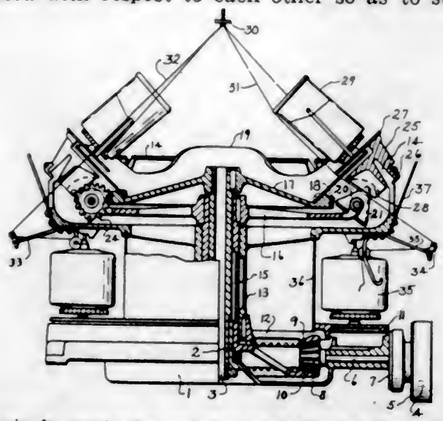
1,981,376
RECORD STRIP FEEDING MEANS
James A. Spencer, Teaneck, N. J., assignor to New York Quotation Company, New York, N. Y., a corporation of New York
Application July 15, 1933, Serial No. 680,545
17 Claims. (Cl. 178—42)



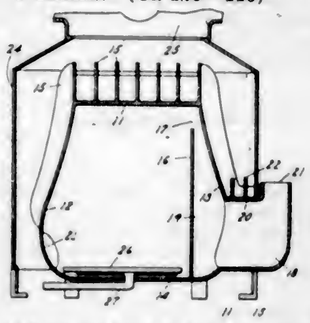
1. In combination, means for printing upon a record strip, means operable in each cycle of operation of said printing means, a continuously running motor, and mechanical means controlled by the second mentioned means for causing said motor to feed said strip following a printing operation a distance sufficient to bring the character last printed into the field of vision during a time of greater than a given duration wherein no subsequent printing operation occurs.

1,981,377
BRAIDING MACHINE
Edward K. Standish, Stoughton, Mass.
Application June 27, 1934, Serial No. 732,727
7 Claims. (Cl. 96—5)

1. In a braiding machine having individual package carriers, driving means therefor essentially comprising a plurality of carrier engaging members arranged in pairs to rotate about a common axis, each of said members having three carrier engaging sections separated by openings, said pairs of members being angularly disposed with respect to each other so as to successively contact a carrier and allow a thread to pass there-between.

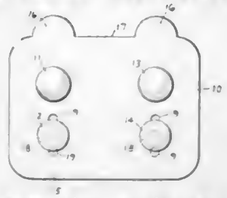


1,981,378
FURNACE
Edward L. Torrey, Oakland, Calif.
Application January 29, 1932, Serial No. 589,623
9 Claims. (Cl. 126—116)



1. A furnace comprising a combustion chamber having an interior vertical cross section of approximately stream-line form, the bottom thereof being approximately semi-elliptical in cross section and merged into upwardly extended side walls, said side walls being curved inwardly and upwardly in such manner as to terminate in an acute ridge at the top of the chamber, each end of the furnace having a contour similar to that of the sides and terminating at the ridge.

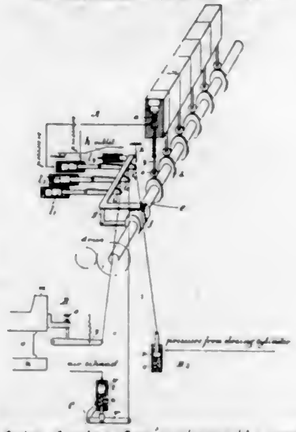
1,981,379
EXERCISING APPLIANCE
John M. Thomson and John F. Mulhern, New York, N. Y.
Application April 8, 1933, Serial No. 665,128
9 Claims. (Cl. 272—57)



1. A foot exercising appliance comprising a base; and two pairs of mounds rising from and fixedly mounted on the base, each pair being adapted to receive and support a human foot, the mounds of each pair being spaced from each other

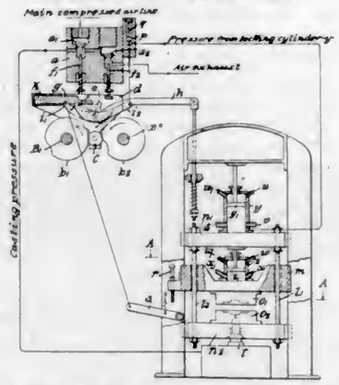
to respectively engage the arch and the metatarsal arch of the foot, said mounds being dome-shaped and being adapted to engage the foot on the longitudinal axis thereof.

1,981,380
AUTOMATIC DIE-CASTING APPARATUS
Karl Friedrich Wagner, Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J., a corporation of Delaware
Application August 25, 1931, Serial No. 559,249
In Germany August 28, 1930
10 Claims. (Cl. 22—69)



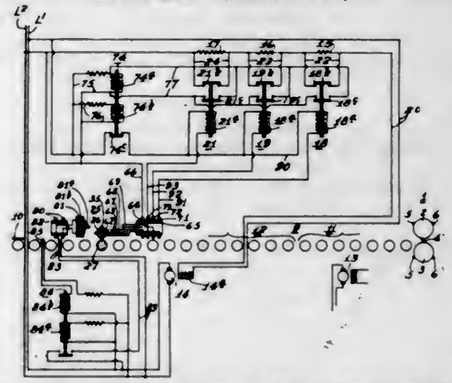
1. A safety device for automatic pressure die-casting apparatus in which a plurality of working stages are initiated in definite serial order by means of an automatically driven control mechanism, comprising means for disengaging said control mechanism from its driving means, and means for causing said disengaging means to act at the termination of any one of the working stages on failure of such working stage to complete its function.

1,981,381
MEANS FOR ASSURING THE SAFE WORKING OF AUTOMATIC PRESSURE DIE-CASTING APPARATUS
Karl Friedrich Wagner, Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J., a corporation of Delaware
Application October 10, 1931, Serial No. 568,033
In Germany October 11, 1930
14 Claims. (Cl. 22—69)



4. In automatic pressure die-casting apparatus having a mould, a pressure chamber, and means for effecting a tight connection between said mould and said pressure chamber, a safety control mechanism comprising, in operative combination, a pressure-admitting valve and an exhaust valve constituting a pair of valves for controlling injection pressure to said pressure chamber, operating means adapted to normally actuate said pair of valves alternately, and means independent of said operating means for interrupting at least one of said valves upon failure of the means for effecting the tight connection between the mould and said pressure chamber.

1,981,382
FEED CONTROL FOR FLYING SHEAR
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 6, 1933, Serial No. 688,322
14 Claims. (Cl. 164—61)



1. In combination with a flying shear or like work device, means for feeding web thereinto, means for varying the speed of said feeding means to control the length of the first cut, and means driven in synchronism with said shear and disposed to be rendered operable by the web entering the shear for controlling the operation of said speed-varying means to synchronize the entrance of the leading end of the web into the shear with its cutting elements.

1,981,383
ANTISEPTIC TOOTHBRUSH CONTAINER
Otto A. Feldon, Bala-Cynwyd, Pa.
Application June 6, 1933, Serial No. 674,491
3 Claims. (Cl. 167—3)



2. A tooth brush container, comprising a casing having a partition dividing it into two compartments, one to receive a sterilizing and dehydrating agent and the other to receive tooth brushes, means to divide the tooth brush receiving compartment into individual closed tooth brush receiving chambers having openings in their walls through which tooth brushes pass and having slots beneath the openings, the partition having openings to permit fumes from the sterilizing and dehydrating agent to pass to said individual chambers, individual doors having at their lower ends offset tongues to enter said slots and form a

hinge connection with said casing, tooth brush holders on said doors, and spring locking members on said doors and engaging the walls of the door openings to retain the doors in closed position.

1,981,384
OXIDATION OF HYDROCARBONS AND WAXES

Adolf v. Friedolsheim, Ludwigshafen-on-the-Rhine, and Martin Luther, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

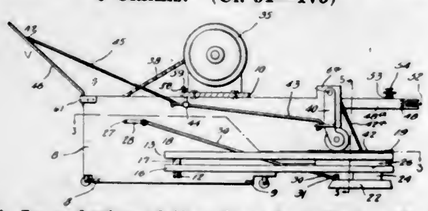
No Drawing. Application March 20, 1931, Serial No. 524,210. In Germany April 5, 1930
6 Claims. (Cl. 260—116)

1. In the oxidation, in the liquid state, of from solid to liquid non-aromatic hydrocarbons containing at least 8 carbon atoms, mixtures of such hydrocarbons, and waxes, by blowing with a gas containing free oxygen, the step which comprises adding up to 1 per cent by weight of the said non-aromatic hydrocarbons of an ionizable alkali metal compound having an alkaline reaction and carrying on the oxidation until the reaction product has an acid value between 40 and 120.

1,981,385
SANDING MACHINE

Vinton M. Hardy, Northampton Township, Summit County, Ohio

Application June 1, 1929, Serial No. 367,683
6 Claims. (Cl. 51—175)

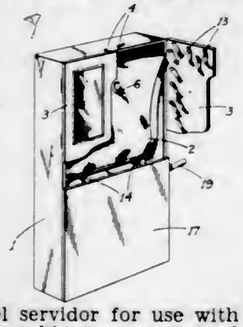


6. In a device of the class described, a frame, a slide-way hingedly secured therein for limited vertical swinging movement working elements slidably mounted therein, means to raise and lower said slide-way, means to reciprocate said elements and adjustable stops mounted on said frame, said stops adapted to engage a wall to limit the position of said blocks relative thereto.

1,981,386
TOWEL SERVIDOR

August I. Hondeville, Merced, Calif., assignor, by direct and mesne assignments, to Serv-A-Towel Manufacturing Company, San Francisco, Calif., a corporation

Application January 3, 1933, Serial No. 649,788
9 Claims. (Cl. 312—37)

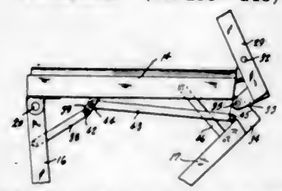


1. A towel servidor for use with a towel pad comprising a cabinet, supports in the cabinet for a bound edge of the pad, whereby the pad may be disposed upstanding from the bound edge, a follower for engaging the back of the pad, means urging the follower forwardly, a panel unit on the front of the cabinet above the pad supports and having a centrally disposed slot extending upwardly from the bottom, and a plurality of springs on and distributed over the back of the unit on each side of the slot for exerting a rearward pressure on the foremost towel.

1,981,387
FOLDABLE CHAIR

John Kovats, Bridgeport, Conn., assignor to The Leg-O-Matic Company, Bridgeport, Conn., a corporation of Connecticut

Application April 23, 1930, Serial No. 446,587
Renewed April 17, 1934
10 Claims. (Cl. 155—148)

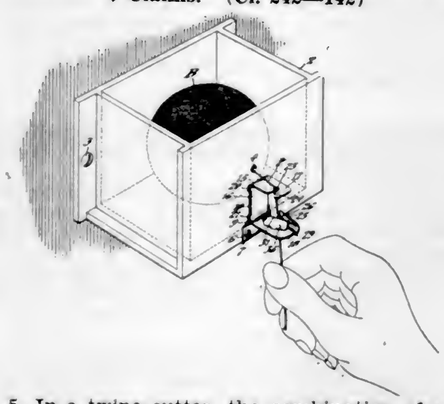


10. A foldable chair comprising a seat member, a back pivoted to the seat member adjacent the rear edge thereof to fold over the seat member, rear legs pivotally connected to the seat member to fold thereunder, front legs pivoted to the seat member adjacent its front edge, and plates rigidly secured to the back and rear legs respectively and pivoted to each other whereby the back and rear legs move together to and from folded position.

1,981,388
TWINE-DISPENSING DEVICE

Benjamin S. Perry, Providence, R. I.

Application July 14, 1933, Serial No. 680,364
7 Claims. (Cl. 242—142)



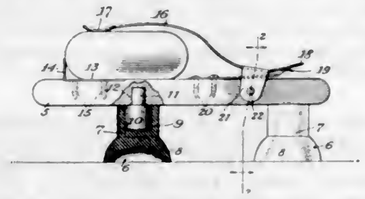
5. In a twine-cutter, the combination of a U-shaped element having opposite parallel arms disposed in different planes, one of said arms being formed with an opening for guiding the twine, a guard on the opposite arm having opposite parallel guiding faces, and a blade supported on the second arm with its sharpened edge projecting between the opposite guiding faces of the guard in inclined relation thereto.

1,981,389
SOAP HOLDER

Harry N. Roberts and Walter S. Beaugrand, Lexington, Ky.

Application June 8, 1934, Serial No. 729,643
3 Claims. (Cl. 45—28)

1. In a soap holder, a bar like member, means for supporting the said member, a plate having a flange secured to said member, an arm having a soap engaging extremity, means for pivotally mounting the arm on the member with the soap

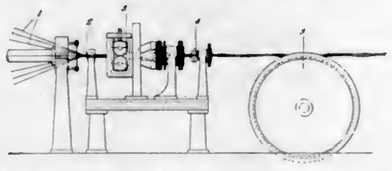


engaging extremity in cooperative relation to the plate, and means operating on the arm for yieldingly pressing the soap engaging extremity thereof on the soap.

1,981,390
MANUFACTURE OF STRANDED ELECTRIC MULTICORE CABLES

Adolf Rohs, Thinnfeld, Kladno, Czechoslovakia, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany

Application February 13, 1933, Serial No. 656,635
In Czechoslovakia February 17, 1932
3 Claims. (Cl. 117—20)



1. An apparatus for the manufacture of a stranded conductor of non-circular cross-section for multi-core cables, the longitudinal axis of the conductor lying in a straight line and its non-circular cross-section making one revolution about the said axis over a distance approximately equal to the pitch with which the strand is to be cabled, consisting of a stationary stranding die having a circular passage to strand a number of wires to a stranded conductor the longitudinal axis of which lies in a straight line and the cross-section of which is circular, in combination with a rolling apparatus, the rollers of which include a passage having the desired non-circular cross-section and is capable of rotating around the longitudinal axis of the stranded conductor for the purpose of rolling the said stranded conductor of circular cross-section to a stranded conductor having the desired non-circular cross-section and simultaneously therewith the desired revolution of the cross-section, the axis of the conductor retaining its straight condition during the rolling process.

1,981,391
ACID HARDENING FIXING BATH

Harold D. Russell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

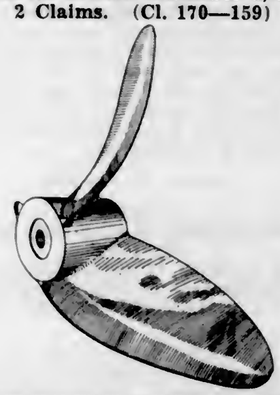
No Drawing. Application September 27, 1932, Serial No. 635,060
2 Claims. (Cl. 95—88)

1. An acid hardening fixing bath comprising sodium thiosulfate, alum, an organic acid, a hardening agent, and an ester of boric acid selected from the group consisting of boron triacetate, glycol borate, phenyl borate, and the glyceryl esters of boric acid.

1,981,392
PROPELLER AND THE LIKE

George Sidney Selman, London, England, assignor to The Manganese Bronze & Brass Company, Limited, London, England

Application December 1, 1933, Serial No. 700,591
In Great Britain December 3, 1932
2 Claims. (Cl. 170—159)

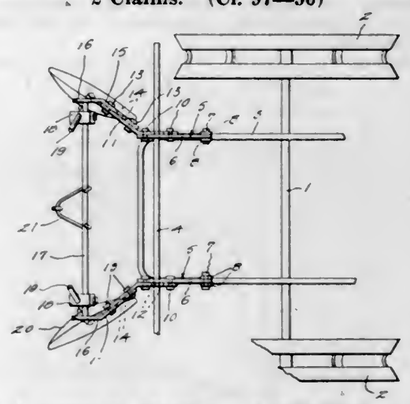


1. A screw propeller blade or the like wherein that portion of the back of the blade between the position of maximum thickness and the leading edge is defined by geometrically similar curves for all blade sections, and wherein the ratio of the maximum ordinate of the said curves measured from a line passing through the leading edge of the blade, and coincident with or parallel to the helical length line contained in the helical surface of the driving face of the blade, to the distance between the ordinate of maximum thickness and the leading edge, is .26 with a tolerance of ± 0.02, and wherein the curve forming the back of the blade between the end of the maximum ordinate and the leading edge of the blade is substantially elliptical.

1,981,393
COVERING ATTACHMENT FOR PLANTERS

Sigmund E. Severtson, Kenneth, Minn.

Application April 28, 1934, Serial No. 722,990
2 Claims. (Cl. 97—56)



1. A covering device for attachment to corn planters having side frame beams, comprising a pair of bars, pivotal connecting means between an end of each of said bars and a side beam of the frame, a pair of angular bars each having two angularly related portions, each of said angular bars having one portion secured against the side of a first mentioned bar for adjustment longi-

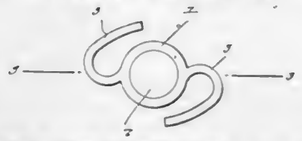
tudinally of the same and having its other portion extending laterally from the planter, a pair of hanger units each terminating at its upper end in an angularly directed terminus disposed against one side of the laterally directed portion of the adjacent angle bar, means coupling the said laterally directed portions of the angular bars with the adjacent hanger extensions, a bar extending transversely of and connecting the lower ends of said hanger units, a pair of clamps carried upon said last bar, a vertical shaft secured to the last bar by each of said clamps, and a disk rotatably mounted upon the lower end of each of said vertical shafts and disposed obliquely of the path of travel of the planter.

1,981,394

LINK FOR CROSS-CHAINS FOR NONSKID DEVICES

Emma E. Smith, Berkshire Heights, Pa.

Application January 27, 1934, Serial No. 708,674
1 Claim. (Cl. 152—14)



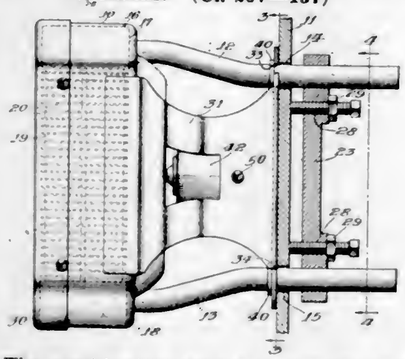
A link for a cross member of a non-skid device comprising a ring having its tire engaging face flat, a plug having one end held in the ring, said end being flush with said flat face of the ring, a pair of substantially U-shaped loops, each having a short limb and a long limb, the short limbs being connected to the ring at diametrically opposite points and the bights curving upwardly and one toward one side portion of the ring and the other toward the opposite side edge of the ring and the long limbs extending in opposite directions, with the free end of one long limb located and spaced from one side portion of the plug and the other being located adjacent and spaced from the opposite side portion.

1,981,395

HEAT EXCHANGE DEVICE

Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, a corporation of Delaware

Application July 30, 1934, Serial No. 737,554
7 Claims. (Cl. 257—137)



1. The combination with a heater of the kind described having a radiator core adapted to be mounted upon the dashboard of an automobile and having conduits connected thereto for conducting a heating medium through said core, of means for supporting said heater on said dashboard, said means comprising a bracket fixed with respect to said radiator core and disposed on one side of said dashboard, a second bracket secured to said conduits and disposed on the other side of said dashboard, and means carried by one of said brackets and co-operating with the other to clamp the dashboard between said means and said other bracket.

1,981,396

PREPARATION OF CELLULOSE NITRO-ACETATE WITH NITRO-CELLULOSE

Cyril J. Staud, Rochester, N. Y., and Charles E. Waring, Dayton, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

No Drawing. Application December 31, 1930, Serial No. 505,958
6 Claims. (Cl. 260—101)

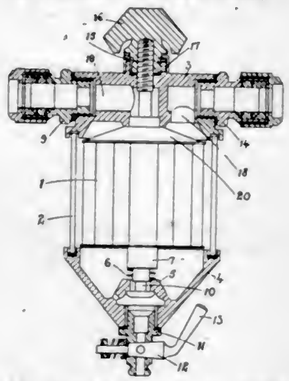
1. A process of making cellulose nitro-acetate which comprises introducing cellulose into a solution comprising cellulose nitrate and chloracetic acid and acetylating the resulting cellulosic mixture.

1,981,397

FILTER

Giacinto Tabozzi, Milan, Italy

Application September 25, 1933, Serial No. 690,871
1 Claim. (Cl. 210—165)



A filter for liquids having in combination a central stem, a lower truncated cover with an annular recess in the top and a threaded orifice in the base, a bridge-piece integral with said cover provided with an aperture through which passes said central stem, one end thereof abutting against said bridge-piece, a cock screwed into said threaded orifice for withdrawing impurities collecting within said lower cover, a helical spring inserted over the central stem, a lobated filtering medium mounted upon the central stem, said helical spring interposed between the bridge-piece and lobated filtering medium, a cone-shaped disc mounted upon the top of said filtering medium over which flows the unfiltered liquid, a cylindrical glass cover mounted in the annular recess in said lower cover, an upper cover provided with an annular recess in the base engaging the upper end of said glass cover, a hollow extension at the top through which passes the end of the central stem and inlet and outlet conduits for the admission of unfiltered liquid and discharge of filtered liquid, unions fixed to said inlet and outlet conduits, a wing nut screwed on to the end of the central stem holding the component parts together and means co-operating between said wing nut and hollow extension of the upper cover for locking the wing nut against accidental rotation in relation to the central stem.

1,981,398

CELLULOSE ORGANIC ESTER COMPOSITION CONTAINING AN ESTER OF TETRAHYDROFURFURYL ALCOHOL

Ernest R. Taylor and Henry B. Smith, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

No Drawing. Application November 21, 1932, Serial No. 643,730
6 Claims. (Cl. 106—40)

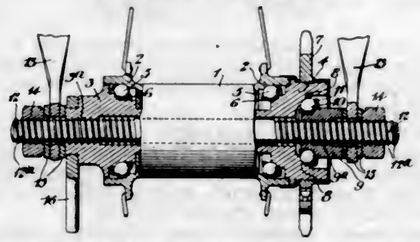
1. A composition of matter comprising cellulose acetate and tetrahydrofurfuryl caproate as a plasticizer therefor.

1,981,399

ADJUSTABLE THREADED MEMBERS AND MEANS FOR LOCKING SAME

Alfred Morris Thomson, East Orange, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y., a corporation of Delaware

Application December 11, 1931, Serial No. 580,304
3 Claims. (Cl. 85—1)



3. An adjustable and lockable screw threaded connection comprising an externally threaded member having a Dardelet external thread of uniform and constant pitch and of uniform profile throughout its complete thread length, an adjustable member internally threaded to receive the externally threaded member and provided with an internal thread of uniform and constant pitch and of uniform profile throughout its complete thread length and adapted to receive and closely fit the thread of the externally threaded member to permit accurate adjustment by relative rotation of the two parts and to prevent axial play between the two parts, and a locking nut member internally threaded to receive the externally threaded member, the internal thread of the locking member being a Dardelet thread having the same pitch as the thread of the externally threaded member and having a profile cooperating with the thread of the externally threaded member to cause it to frictionally lock at any point in its rotation and at any point on said externally threaded member by forcible rotation when its advance is arrested by the internally threaded adjustable member.

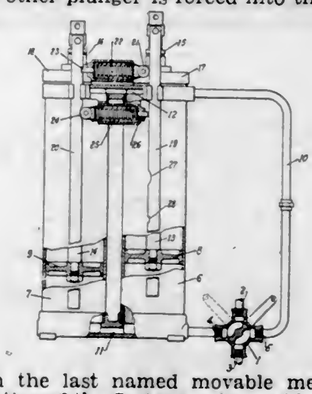
1,981,400

MECHANICAL INTERLOCK FOR SERVO MOTORS

Arthur Little Tobin, Lynnfield Center, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.

Application March 6, 1934, Serial No. 714,350
7 Claims. (Cl. 121—40)

1. Mechanical interlock for servo motors, comprising two parallel movable members operated by said motors, each member having a locking notch and a co-operating releasing depression on the opposite member, two spring operated plungers, one of said plungers engaging a locking notch on one of said movable members and to be released by spring tension when engaging the depression on the other movable member, at which time the other plunger is forced into the locking notch on the last named movable member by the operation of the first named movable member.

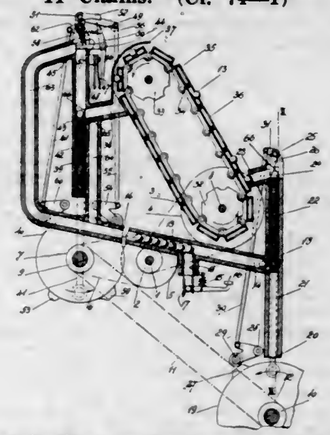


1,981,401

CONTROL GEAR

Edmond Uher, Feldafing-on-the-Starnberger See, and Lajos Wenczler, Augsburg, Germany, assignors to Uhertype Aktiengesellschaft, Glarus, Switzerland

Application September 6, 1933, Serial No. 688,394
In Germany August 30, 1932
11 Claims. (Cl. 74—1)



1. A controlling mechanism comprising a series of movable controlling members, a movable carrier, a plurality of free contact bodies each adapted to occupy temporarily a position on said carrier, means on said carrier to hold said bodies in selected positions on the carrier, means for selectively placing said free contact bodies on said carrier in selected positions, operating means interposed between said carrier and the movable controlling members, said operating means being arranged to receive the contact bodies from the movable carrier successively and apply them to the controlling members to actuate the latter, and means for returning said free contact bodies into position to be selected.

1,981,402

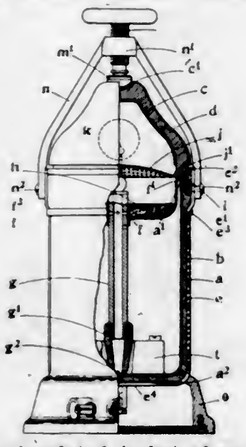
WATER HEATING AND INFUSION APPARATUS

Aurelio Valls, London, England

Application January 25, 1934, Serial No. 708,262
In Great Britain January 26, 1933
4 Claims. (Cl. 53—3)

1. Apparatus for heating liquids, more especially for preparing infusions, such as of coffee,

comprising a metallic container for the liquid, a metal closure member for the container, electrical heating means mounted within the con-



tainer and an insulated jacket of an electrically non-conductive mouldable material within which the container and the cover or closure member are mounted.

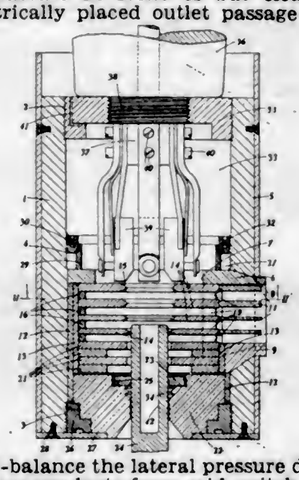
1,981,403
SURFACE COATING CASTINGS
Joseph W. Weitzenkorn, Mount Lebanon, Pa.
No Drawing. Application December 8, 1931, Serial No. 579,824. Renewed June 2, 1934
7 Claims. (Cl. 22—189)

1. A method of making base metal castings provided with a hard surface coating, comprising providing a mold with a coating comprising finely powdered material of the group consisting of molybdenum carbide, tungsten carbide, and mixtures containing molybdenum or tungsten with carbon adapted to form a carbide thereof, and pouring molten base metal into the coated mold to form the casting and thereby forming on the casting a united and adherently bonded hard coating of said carbide.

6. A composition for coating the surface of molds, comprising finely powdered material of the group consisting of molybdenum carbide, tungsten carbide and mixtures containing molybdenum or tungsten with carbon in excess of that needed to form carbide thereof, and an adhesive temporary binder to hold said material in place on a mold surface, said composition under the influence of the heat of base metal poured in a mold surfaced therewith causing it to form a united carbide coating adherently bonded to the resultant casting.

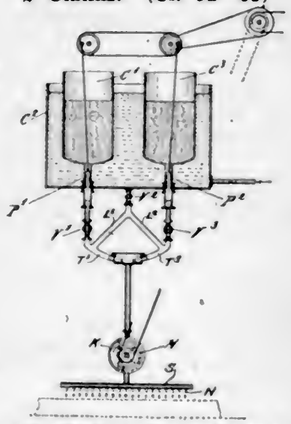
1,981,404
ELECTRICAL CIRCUIT BREAKER
Willis Bevan Whitney and Edmund Basil Wedmore, London, England, assignors to The British Electrical and Allied Industries Research Association, London, England, a company of Great Britain
Application September 17, 1931, Serial No. 563,390
In Great Britain October 15, 1930
31 Claims. (Cl. 200—150)

1. An electric circuit breaker comprising in combination, a container for fluid, a switch structure supported in said container and at least partly immersed in said fluid and formed with an internal switch chamber, the wall of which is formed with an outlet passage unsymmetrically placed with respect to the axis of said switch chamber, relatively-movable electrodes mounted in said structure and a reaction plate insulated from said electrodes and rigidly attached to said switch structure in front of but clear of the unsymmetrically placed outlet passage in order



to counter-balance the lateral pressure due to the escape of arc products from said switch chamber through said unsymmetrically placed outlet passage.

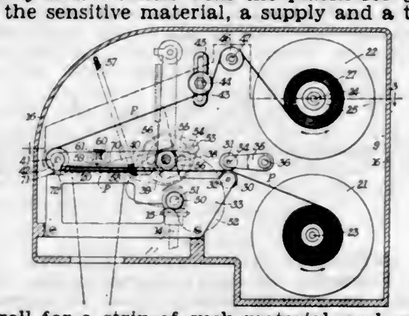
1,981,405
PROCESS FOR MANUFACTURING WATERPROOF TEXTILES, PAPERS, CARDBOARDS, AND PASTEBOARDS AND FINISHED CONTAINERS MADE FROM THOSE
Hans Wrede, Berlin-Dahlem, Germany, assignor to The Paterson Parchment Paper Company, Passaic, N. J.
Application March 7,1932, Serial No. 597,390
In Germany March 23, 1931
2 Claims. (Cl. 91—68)



1. The method of coating articles with a concentrated glue solution comprising mixing the glue with a glue hardening agent only to form a glue composition by vigorously agitating said glue and glue hardening agent, and immediately coating the articles with the glue composition.

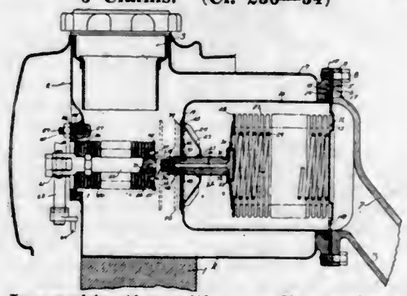
1,981,406
PAPER FEED FOR AUTOMATIC PROJECTION PRINTERS
D'Arcy A. Young, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application June 8, 1933, Serial No. 674,872
9 Claims. (Cl. 88—24)

1. In a photographic apparatus, the combination with an exposure frame, of a platen movably mounted with respect thereto adapted to intermittently press a sensitive material flat against said exposure frame, a guide roll carried by and movable with the platen for guiding the sensitive material, a supply and a take-



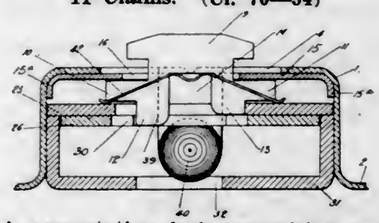
up roll for a strip of such material, and means including a source of power, a drive for said take-up roll, and the movable platen with its guide roll for moving a fresh area of material to the printing frame.

1,981,407
SHUTTER
William R. Zimmerman, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 26, 1929, Serial No. 388,282
6 Claims. (Cl. 236—34)



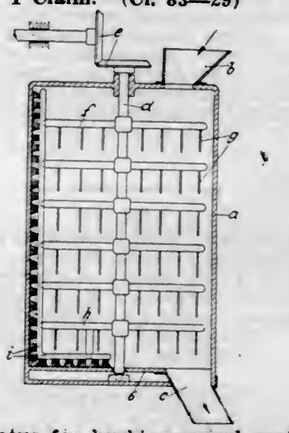
1. In combination with a cooling water circulating system of an internal combustion engine comprising a radiator, a tank supplying water to an upper portion of the radiator for flow downwardly therethrough, and a conduit connection from the engine water jacket to the tank, a discharge orifice from the conduit in a wall of the tank, a chamber in the tank having side walls sealed to peripheral portions of the orifice, a thermostat in the chamber, a valve port in a chamber wall for discharging water from the chamber into the tank, a valve for the port movable by the thermostat to be opened amounts commensurable with temperature of water in the chamber above a predetermined value, a restricted orifice in the valve to permit a predetermined minimum of flow therethrough into the tank, a radiator shutter, a movable shutter operating element extending outwardly through a wall of the tank, and within the tank disposed to be engaged and moved to open the shutter by means associated with the valve only after a predetermined port opening movement of the valve, said thermostat being of bellows form and being provided with a longitudinally extending thermally movable stem supporting the valve, and the shutter operating element extending inwardly of the tank through a sealed aperture therein and, inwardly of the tank, having telescopic engagement with the stem permitting limited relative longitudinal movement whereby the stem and the stem end of the thermostat may be supported and the movement thereof guided.

1,981,408
PERMUTATION LOCK
Maurice Zuili, Paris, France
Application June 21, 1932, Serial No. 618,513. In Great Britain and France April 16, 1932
11 Claims. (Cl. 70—54)



3. A permutation lock comprising a ported casing having aligned slots, buttons movable along the respective slots, each button projecting out of the casing, an internal bolt offset on each button from its centre, adjustable means holding the buttons engaged in the casing in one position and releasing them in another position so as to permit selected buttons to be extracted from and re-inserted into the casing after a rotation of 180° for changing the relative positions of their bolts to form a new combination, a slotted cover fitting over the casing and having catches insertable through the casing ports, and a spring-urged tumbler plate movable in the casing and co-operating with the bolts for locking said catches.

1,981,409
METHOD OF HUSKING CEREALS
Albin Barra, Danzig, Free City of Danzig
Application November 18, 1931, Serial No. 575,916
In Germany November 24, 1930
1 Claim. (Cl. 83—29)



An apparatus for husking cereal grains in a continuous operation comprising moistening means for softening the husks, a vertical container having an inlet opening for the grains at the top and an outlet opening for the grains at the bottom, a rake-like stirring device disposed in the said container, means for imparting a slow rotary motion to the said rake-like device for moving the grains into rubbing contact with one another and a brush connected to said stirring device and in contact with the wall of the container.

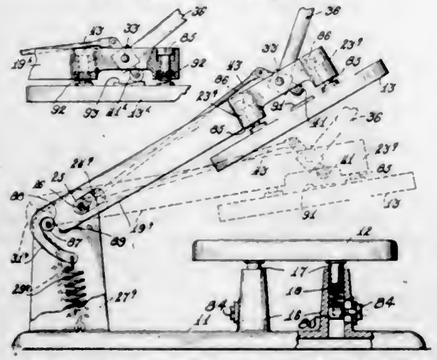
1,981,410

PRESSING AND IRONING MACHINE

George C. Engbrecht and Arthur J. Olsen, Chicago, Ill., and Anton M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation, a corporation of Illinois

Original application October 8, 1931, Serial No. 567,648. Divided and this application August 27, 1934, Serial No. 741,698. In Canada February 25, 1932

31 Claims. (Cl. 68—9)



1. A garment ironing machine including a pressing head and a buck, a movable supporting member on which said head is mounted, said head and member being movable toward and away from said buck and laterally thereof, an operating handle mounted on said member for moving said head toward and away from said buck, said handle being movable relative to said member, means actuated by said handle to move said support laterally of the buck and slide said head over the face of the buck while said parts are in pressing engagement, and cam means actuated by movement of the handle to urge the head tightly against said buck.

28. A pressing machine comprising, in combination, a head and a buck, said head having parts slidably mounted on a pivotally mounted support, springs normally holding said head spaced from said support, means on said support operable to carry the support and head downwardly toward said buck and lock the head in engagement with the buck, and means actuated by said head moving means to assist said springs to urge the head tightly against the buck.

1,981,411

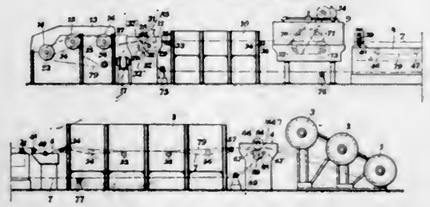
ANNEALING AND PICKLING PLANT

Arnold Fritz, Magdeburg, Germany, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany

Application August 4, 1932, Serial No. 627,521

In Germany June 16, 1932

3 Claims. (Cl. 266—3)



1. In an apparatus for treating metallic strip material, a plurality of treating units comprising an annealing furnace, a quenching tank, a pickling tank, a washer, and a drier, a winding-off rack, a winding unit, draw-through units each comprising a plurality of rolls adjacent said rack and said winding unit, a plurality of rolls for guiding the strip material from said winding-off rack to said winding unit through said plurality of treating units, driving means for said winding unit, and chain transmission means between said winding unit, said last-mentioned rolls and said rolls of said draw-through units for imparting to the rolls for guiding the strip material through said plurality of treating units a peripheral velocity substantially identical with the linear velocity imparted by said winding unit to said strip material.

1,981,412

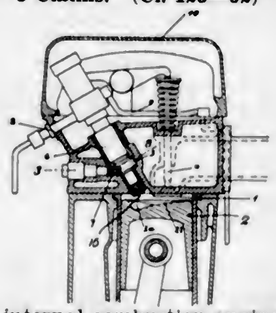
INTERNAL COMBUSTION ENGINE

Paul Fritzsche, Stuttgart-Oberturkheim, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Oberturkheim, Germany, a company of Germany

Application October 8, 1931, Serial No. 567,682

In Germany October 9, 1930

3 Claims. (Cl. 123—32)



1. In an internal combustion engine, the combination of a cylinder and a preliminary combustion chamber arranged laterally of the cylinder with its axis inclined with respect to the axis of the cylinder and having an axial discharge opening arranged to deliver the contents of the preliminary combustion chamber to the cylinder from a point laterally of the cylinder axis in the direction of the axis of the preliminary combustion chamber, with a piston having a head with a shallow concentric cavity therein and a recess extending downwardly from said cavity on the side of the piston head below the preliminary combustion chamber, so as to form with the cylinder head a non-symmetrical main combustion chamber the centre of volume of which lies approximately on the prolongation of the axis of the preliminary combustion chamber during the travel of the piston in the neighbourhood of the inner dead centre position.

1,981,413

GRAIN SPOUT

Sampson J. Goodfellow, Regina, Saskatchewan, Canada

Application August 25, 1933, Serial No. 686,707

2 Claims. (Cl. 193—26)



1. A section for a flexible grain spout comprising a frusto-conical shaped body having the under side open from end to end and provided

with hooked edges, a bottom for closing the opening having hooked edges slidably engaging the former hooked edges, hooks carried by the upper end of the bottom and engageable with the large end of the body and stops carried by the bottom and engageable with the hooked edges of the body.

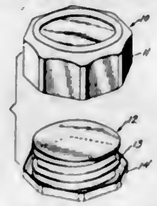
1,981,414

METAL SCREW CAP

Henry Hermani, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a corporation of New Jersey

Application May 18, 1931, Serial No. 538,281

11 Claims. (Cl. 215—43)



1. A cap for receptacles having a screw threaded neck comprising an inner shell having a circular screw threaded wall for engagement with screw threads on the neck of the receptacle, an annular lateral projection at the lower edge of said wall, an outer shell of non-circular form mounted over the inner shell with the lower portion of its walls in engagement with said projection on the inner shell, said projection conforming to the non-circular form of the walls of the outer shell which it contacts to hold said shells against relative turning movement.

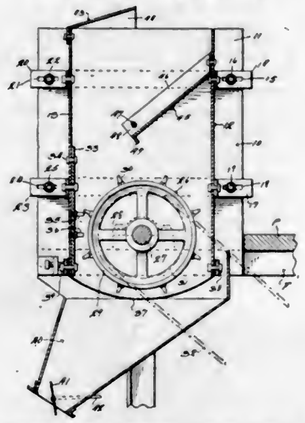
1,981,415

PULVERIZING AND GRANULATING MILL

Paul W. Kennedy, Gulfport, Miss.

Application November 5, 1932, Serial No. 641,433

2 Claims. (Cl. 83—11)



1. A pulverizing means comprising a casing and means in the casing to pulverize material passing therethrough, said casing comprising a pair of side walls spaced apart, a pair of end walls on opposite sides of said pulverizing means, a plurality of angle members each having a leg thereof fixed to an end wall and the other leg confronting a side wall and provided with an elongated slot, bolts carried by the side walls passing through the slots for securing the end walls in adjusted position relative to each other and to said pulverizing means, grinding teeth carried by the inner face of one of the end walls, and a screen secured to the lower end of each end wall and adjustable toward or away from said pulverizing means coactive with the adjustment of the end walls relative to each other.

1,981,416

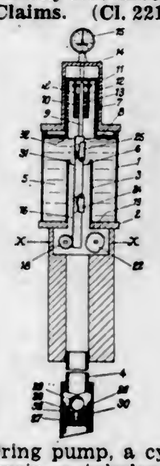
METERING PUMP

Anton Korfmacher, Cologne-Lindenthal, Germany

Application May 13, 1932, Serial No. 611,194

In Germany November 14, 1930

12 Claims. (Cl. 221—102)



1. In a metering pump, a cylinder and a piston sliding therein, a tubular extension on the piston closed at its upper end, and a meter pipe around which the said extension telescopes when the piston operates to force liquid from the cylinder.

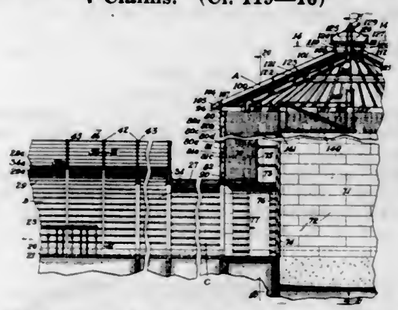
1,981,417

METHOD AND APPARATUS FOR STORING AND DISPENSING FEED

Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin

Application October 10, 1932, Serial No. 637,027

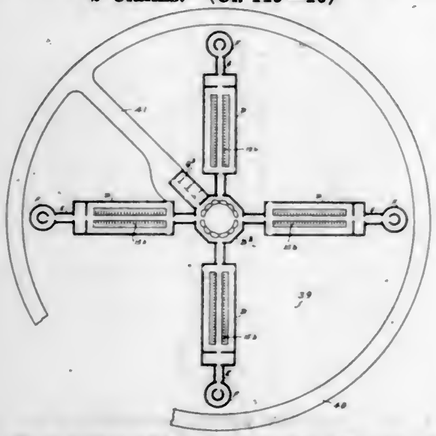
7 Claims. (Cl. 119—16)



1. An animal housing and feeding structure comprising a stable composed of fire proof non-heat conducting walls in combination with an offset annular columnar storage chamber for dry fodder of greater height than the stable and having means for withdrawal of heat and moisture from the fodder at substantially all levels along both the inner and outer sides of the column, and means including a fire-proof corridor extending from said stable through part of said heat withdrawal means of said storage chamber

to connect said stable with the interior of said storage chamber, whereby the said stable and chamber constitute separate structures but are connected to each other by a separate connecting corridor whereby any fire hazard in the storage chamber would be ineffective to injure the stable or its contents.

1,981,418
BUILDING
Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application October 25, 1932, Serial No. 639,490
2 Claims. (Cl. 119—16)



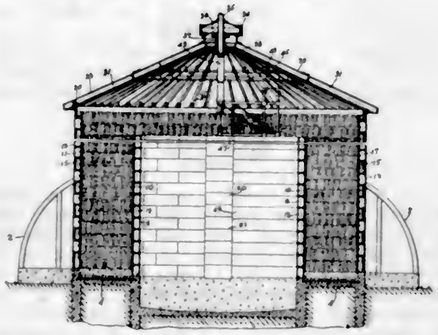
2. In a system of buildings, a plurality of metal buildings including at least one barn, certain of said buildings being formed of similar interchangeable metallic sections, and having foundations, and a metallic food containing building composed of sections dissimilar to the sections composing the other buildings, said barn being composed of metallic side wall and roof sections, and a metallic milking building, said metallic food containing building having a spaced foraminous interior false wall for ventilating the contents thereof, and metallic sectional buildings composed only of said side wall sections and forming a communicating means between two or more of said sectional buildings.

1,981,419
BUILDING
Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Original application October 25, 1932, Serial No. 639,490. Divided and this application March 24, 1933, Serial No. 662,505
12 Claims. (Cl. 189—1)



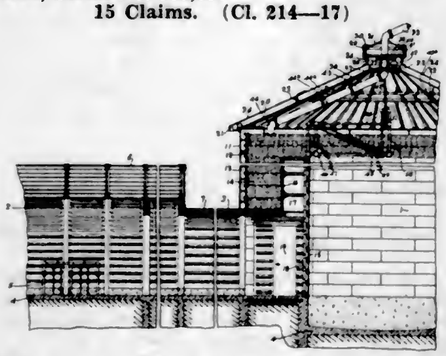
1. In combination, a portable building consisting of a foundation having a horizontal portion and side wall portions, arcuate sectional side wall sections mounted thereon each section consisting of inner and outer sheathing having insulation between said sheathing, longitudinally disposed I-beams adapted to receive the upper ends of said side wall sections, means for connecting the sides of said sections, and spaced posts mounted on said foundation for supporting said I-beams.

1,981,420
PROCESS OF PRESERVING HAY
Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Original application October 10, 1932, Serial No. 637,027. Divided and this application May 8, 1933, Serial No. 669,896
5 Claims. (Cl. 98—54)



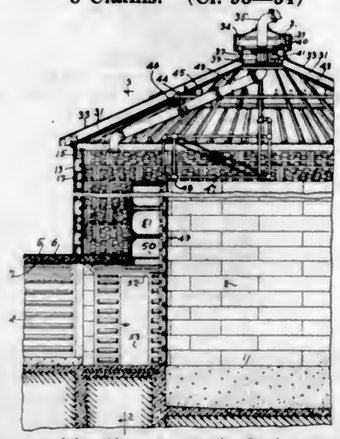
1. In a method of harvesting and storing green feeds, storing ensilage in a silo, surrounding the silo with a relatively thin wall of green hay, circulating air between the silo and the hay and through the outside wall of hay, and reducing the level of the ensilage and of the hay approximately alike as they are consumed, whereby the hay is maintained in green condition and the ensilage is prevented from freezing.

1,981,421
DISPENSING MEANS
Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Original application October 10, 1932, Serial No. 637,027. Divided and this application May 8, 1933, Serial No. 669,897
15 Claims. (Cl. 214—17)



1. In combination, concentric containers for feed, a common rotary extensible delivery means, a cover fixed to one container common to said containers supporting said rotatable delivery means, and means supported beneath the cover for rotating said delivery means.

1,981,422
VENTILATED BIN STRUCTURE
Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Original application October 10, 1932, Serial No. 637,027. Divided and this application May 8, 1933, Serial No. 669,898
8 Claims. (Cl. 98—54)



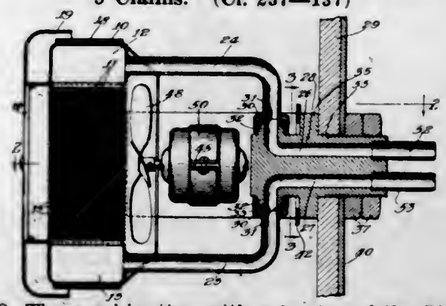
1. In combination, a central storage chamber for the storage of ensilage, a relatively narrow ventilated storage chamber surrounding the first storage chamber for the storage of chopped partially cured hay, the outer boundary of said last named chamber being defined by a weather-proof impervious wall and a spaced foraminous wall, the space between the said walls forming an air circulating chamber, and the inner boundary of said last named chamber being defined by an outer foraminous wall and an inner impervious wall, said walls being spaced from each other to form an inner air chamber, said inner impervious wall forming the inner storage chamber for ensilage storage, said hay acting as a heat insulator for the ensilage contained in said ensilage container, a roof covering said chambers, and means permitting the entrance and exit of air to said air circulating chambers.

1,981,423
PLATFORM ATTACHMENT FOR STEPLADDERS
Victor N. Lebre, Louisville, Ky.
Application August 1, 1934, Serial No. 737,981
2 Claims. (Cl. 304—34)



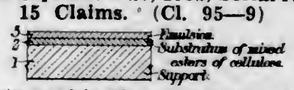
1. A platform support for step ladders comprising a base member adapted to rest flatly on a lower step of a ladder, tapered side members having their smallest ends secured to the base member, and a platform secured to the upper ends of the side members, said platform being of a width equal to substantially half the width of the upper ends of the side members and having a longitudinal edge adapted to abut the front edge of an upper step of the ladder, with the free upper edge portions of the side members in sliding engagement with the underside of said upper step of the ladder.

1,981,424
HEAT EXCHANGE DEVICE
Donald W. Lake, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1934, Serial No. 732,689
3 Claims. (Cl. 257—137)



2. The combination with a heater of the kind described having a radiator core adapted to be mounted upon the dashboard of an automobile and having conduits connected thereto for conducting a heating medium through said core, of means for supporting said heater on said dashboard, said means comprising a separate member extending through said dashboard and having a plurality of passages therethrough, means for detachably securing the ends of said conduits to said separate member in communicating relationship with the said passages therein, and a bracket carried by said member and supporting said radiator core, and means carried by said bracket for advancing air through said radiator core.

1,981,425
SUBSTRATUM FOR PHOTOGRAPHIC ELEMENTS
James G. McNally, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application September 27, 1932, Serial No. 635,053
15 Claims. (Cl. 95—9)

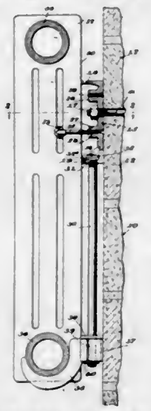


1. A photographic film comprising a support, a light-sensitive gelatino-halide layer and a firmly adhering substratum between the support and the light-sensitive layer comprising a mixed organic ester of cellulose having a free acid group.

1,981,426
LIQUID HARDENER SOLUTIONS
Lowell E. Muehler, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application April 18, 1933, Serial No. 666,733
10 Claims. (Cl. 95—88)

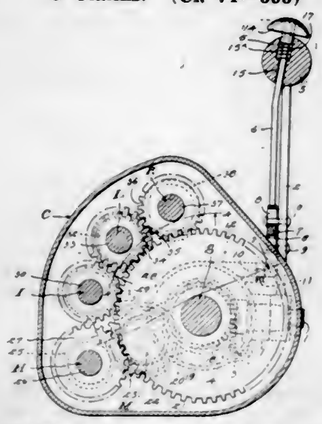
1. A liquid hardener for use with a solution of sodium thiosulfate to make an acid hardening fixing bath, which comprises aluminum chloride, and sodium sulfite.

1,981,427
DEVICE FOR HANGING RADIATORS
Albert C. Sandberg, Lafayette, Ind.
Application July 12, 1933, Serial No. 680,141
2 Claims. (Cl. 248—17)



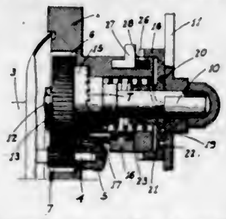
1. A radiator hanger adapted to be attached to anchorage means incorporated in the wall of a building, comprising a wall plate having a substantially mid-opening of considerable length for receiving the wall anchorage, said plate including parallel flanges functioning as a pair of bearing means, a clamping bar to bear against adjacent means of the radiator, a bolt engaging said bar, a plurality of bosses having threaded bores of considerable depth by virtue of occurring in the bosses, said bolt adapted to being screwed into the nearest bore, whereby said hanger serves to position said radiator with respect to said anchorage, and a weight-carrying element depending from the lowermost one of said flanges.

1,981,428
TRANSMISSION
Edward J. Schneider, Rock Island, Ill.
Application April 21, 1933, Serial No. 667,257
5 Claims. (Cl. 74—353)



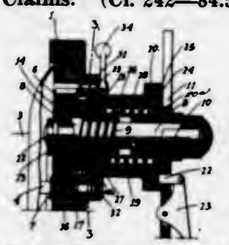
1. A transmission comprising, in combination, an input shaft, an output shaft, a king gear carried by the output shaft, a plurality of gear assemblies arranged in spaced relation in a general direction circumferentially of the king gear, each of said assemblies having a gear constantly in mesh with the king gear, each of said assemblies having a second gear, a mating gear assembly including gears of different diameters, means for supporting said mating gear assembly by the input shaft for movement therearound, a power gear on the input shaft with which one of the gears of the mating gear constantly meshes, and means for shifting said mating gear assembly to bring one of the gears of the mating gear assembly into mesh with the second gear of a selected gear assembly.

1,981,429
FISHING REEL
George S. Scott, Fresno, Calif.
Application January 19, 1934, Serial No. 707,241
8 Claims. (Cl. 242—84.5)



1. A fishing reel comprising a reel spool, a pinion mounted axially therewith, a gear engaging the pinion, a friction element cooperating with the gear, a spring acting to force the element into frictional engagement with the gear, handle actuated means to release the element from such frictional contact, and means to adjust the effective tension of the spring.

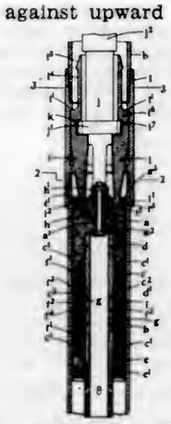
1,981,430
CONTROL MECHANISM FOR FISHING REELS
George S. Scott, Fresno, Calif.
Application March 23, 1934, Serial No. 717,056
8 Claims. (Cl. 242—84.5)



1. In a fishing reel having a reel spool and a driving gear operatively connected thereto, a friction element to engage the gear and movable axially thereof, manually operable means for rotating the element and for moving the same toward and away from the gear whereby to place the element in and out of driving engagement with the gear, and selectively operable means to prevent retractive movement of the element.

1,981,431
CASING HEAD EQUIPMENT FOR BOREHOLES OR WELLS
Lewis Mervyn Cecil Seamark, Chagford, England
Application November 27, 1931, Serial No. 577,574
In Great Britain October 7, 1931
30 Claims. (Cl. 166—14)

1. An internal plug for tubing in pressure wells comprising a cylindrical elastic jointing sleeve, the internal cylindrical surface of which is exposed to the well pressure and mechanical means at the well head above the internal plug by which the internal plug is fixedly located and held within the tubing against upward axial thrust un-



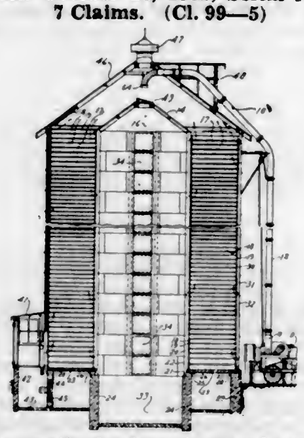
der the well pressure during the running-in or withdrawal of the tubing.

1,981,432
NOSE PAD
Wayne S. Searles, Providence, R. I., assignor to Universal Optical Corporation, a corporation of Rhode Island
Application June 18, 1932, Serial No. 617,969
10 Claims. (Cl. 88—48)



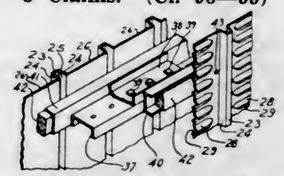
1. A nose pad for an ophthalmic mounting, comprising a body having an outer face and an inner face, an arm secured to and extending from the inner face of said body, a flange of a thickness less than said body extending laterally from said body and about the periphery thereof and a covering over the outer face of the body and extending over the inner surface of said flange to lock the covering on said body.

1,981,433
METHOD FOR STORING AND DISPENSING FEED
John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application October 14, 1932, Serial No. 637,818
7 Claims. (Cl. 99—5)



1. In a method of curing and storing hay, heating the hay, extracting dust and foreign material from the hay by a draft of air to partially cure the hay, storing the hay in a comparatively thin vertically arranged mass in a container having foraminous walls and permitting air to pass through the walls and through all portions of the hay.

1,981,434
APPARATUS FOR STORAGE AND VENTILATION OF HAY
John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application January 7, 1933, Serial No. 650,731
5 Claims. (Cl. 98—55)



1. In combination, an outer continuous wall, an inner foraminous wall, vertically spaced annular horizontal transversely arranged spacing and supporting members for at least one of said walls, and vertical members at spaced intervals for supporting said annular horizontal members, said horizontal members being located between said vertical members and at least one of said walls and spacing at least one of said walls from said vertical members.

1,981,435
MATERIAL HANDLING MECHANISM
John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Original application October 14, 1932, Serial No. 637,818. Divided and this application May 22, 1933, Serial No. 672,222
11 Claims. (Cl. 214—17)

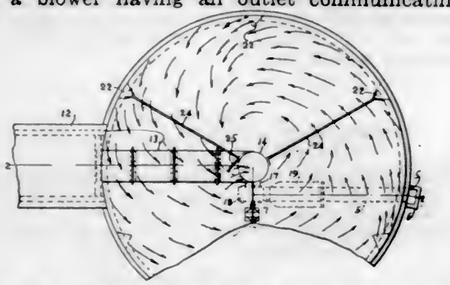


1. In a hay distributing mechanism, a platform, a single angularly disposed plate forming the sole support for the hay and adapted for receiving and deflecting the hay, means of adjustably supporting said plate, means of yieldingly accommodating the load of hay imposed on said plate, and means of rotating said plate.

1,981,436
METHOD AND APPARATUS FOR THE STORAGE, CURING, AND PRESERVATION OF HAY
John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Original application October 14, 1932, Serial No. 637,816. Divided and this application June 14, 1933, Serial No. 675,798
4 Claims. (Cl. 34—19)

1. In combination, a cylindrical container for hay, a plurality of vertically disposed ducts arranged about the inner wall of said container, each duct having openings, all of the openings in each duct facing tangentially in the same direction of the walls of the container, whereby air passing out of said ducts will have a circulatory

motion, an axially disposed chute in the container, said chute having air inlet openings therein, a blower having an outlet communicating



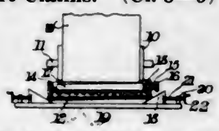
with the ducts and an inlet connected to the chute, whereby air may be caused to pass from the ducts to the chute and through the hay located therebetween.

1,981,437
METHOD AND APPARATUS FOR MAKING COLOR WEDGES

Alfred D. Slack, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application December 26, 1931, Serial No. 583,180

16 Claims. (Cl. 8—5)



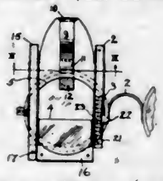
1. The method of applying a penetrant solution to strip material, which comprises advancing the strip material and forming a tapering bead of said solution in contact with the moving strip material.

1,981,438
EYE-TESTING APPARATUS

Joseph W. Smith, Cambridge, Ohio

Application July 16, 1931, Serial No. 551,104

12 Claims. (Cl. 88—20)



1. Eye-testing apparatus, comprising a testing-glass for the lower portion of the field of vision, means for holding said glass, a frame for carrying said holding means, said holding means being adjustable on said frame so that the testing glass may be properly positioned relative to said spectacle frame, projections on said frame for engaging the periphery of a spectacle frame, and a movable clamping element for engaging the periphery of the spectacle frame at an opposite arcuate point, said clamping element having a cushioning facing.

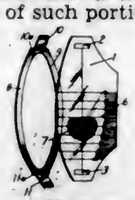
1,981,439
APPARATUS FOR DETERMINING THE PROPER RELATION BETWEEN THE VISION FIELDS OF MULTIFOCAL OPHTHALMIC LENSES

Joseph W. Smith, Cambridge, Ohio

Application January 4, 1933, Serial No. 650,122

1 Claim. (Cl. 88—20)

A device for testing the eye to determine the proper location of a segment of a multifocal ophthalmic lens comprising a flexible piece of material to be disposed in covering relation to the eye, said piece of material having a transparent clear portion and a transparent colored portion, with one of such portions being of a size



and shape corresponding to the segment proposed for the lens, and means for supporting said piece of material upon a lens of a pair of spectacles and causing it to lie in contact with a curved surface of such lens for a substantial area.

1,981,440
ENVELOPE OR CONTAINER

Willard E. Swift, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Application December 2, 1931, Serial No. 578,521

4 Claims. (Cl. 229—80)



1. As a new article of manufacture, an envelope or container completely sealed for the full length of one of its edges by an adhesive closure seam between two overlapped portions of the envelope material, the outer of said portions having a part of its edge left free to provide a pull tab for the opening of said seam to discharge the envelope's contents, the adhesive of said seam extending substantially the full length thereof, but being so limited in area that its resistance to a pull on said tab is substantially lower than the resistance to tearing or shredding possessed by either of said overlapped portions, whereby a full opening of the envelope or container by such pull is effected in the absence of tearing, shredding, or mutilation of the materials constituting said seam.

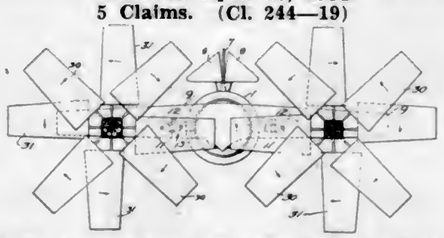
1,981,441
AIRPLANE

Frank Russell White, Glenn Dale, Md.

Application July 15, 1931, Serial No. 551,018

Renewed April 16, 1934

5 Claims. (Cl. 244—19)



1. In an airplane, the combination of a rigid frame structure having a plurality of sets of boostercopter wings mounted thereon, each set of boostercopter wings comprising a pair of superimposed wings adapted for rotation in opposite directions, a brake for controlling the action of each set of said boostercopter wings, and means for jointly controlling the brakes of both sets of boostercopter wings from a common point.

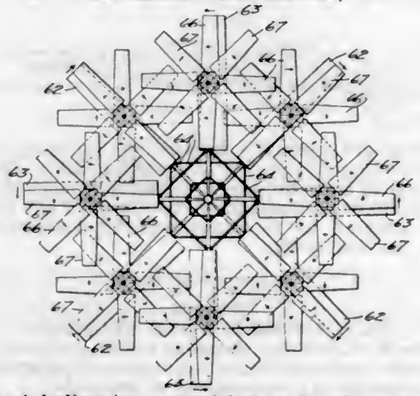
1,981,442
HELICOPTER

Frank Russell White, Glenn Dale, Md.

Application July 15, 1931, Serial No. 551,019

Renewed April 16, 1934

19 Claims. (Cl. 244—19)



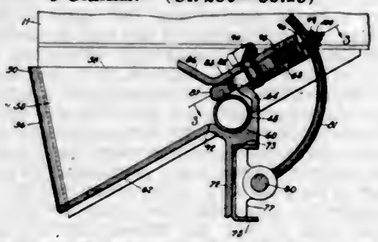
1. A helicopter comprising main wings, means for rotating the main wings, and boostercopter wings mounted on the main wings.

1,981,443
TRAILER HITCH

James G. Winsor, Ann Arbor, Mich.

Application June 19, 1933, Serial No. 676,426

5 Claims. (Cl. 280—33.15)



5. In a trailer hitch adapted to operatively connect an automotive truck or tractor to a load carrying trailer, a connecting member pivotally secured to said trailer, a cross member secured to said connecting member having its ends projecting beyond the lateral limits of said connecting member, a pair of guide castings secured to the rear end of said tractor, pockets in said castings having a depressed semicircular portion adapted to receive the projecting ends of said cross member, inclined flanges on said guide castings adapted to guide the projecting ends of said cross member into said pockets, and a slidably mounted latch tongue carried by each guide casting adapted to lock the respective ends of said cross member in the pocket provided in the guide casting.

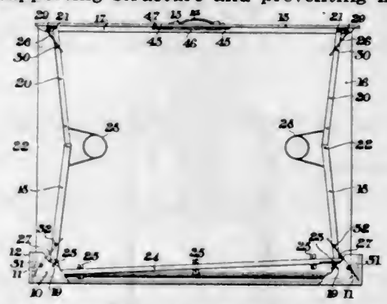
1,981,444
SUPPORTING STRUCTURE FOR A ROLL PROJECTION SCREEN

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application May 21, 1931, Serial No. 539,002

19 Claims. (Cl. 88—24)

1. In a foldable projection screen, the combination with a casing, a supporting structure including a cross member and including side arms operatively connected between said cross member and said casing, a flexible screen and a spring roller for said screen, both mounted between said casing and said cross member for unrolling of the screen upon erection of said supporting structure, of a means for preventing total erection of said supporting structure and preventing move-



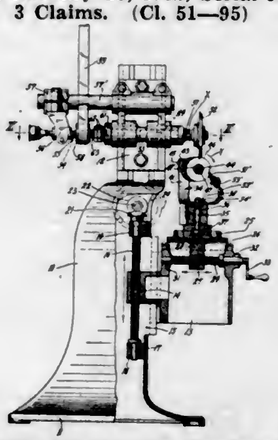
ment of said side arms to straight line position, and resilient means acting on said supporting structure and creating a toggle action in said side arms, the combined effort of said resilient means and said toggle action being opposed to and greater than the effect of said spring roller.

1,981,445
CUTTER SALVAGE MACHINE

Floyd J. Aker, Newark, N. J., assignor to Eastern Cutter Salvage Corporation, a corporation of New Jersey

Application January 18, 1932, Serial No. 587,224

3 Claims. (Cl. 51—95)



1. A machine for grinding the faces of cutter teeth comprising a rotatable grinding wheel, an arbor, a holder for supporting said arbor beneath said wheel, means for slidably mounting a cutter on said arbor, a hand piece for moving said cutter on the arbor, means for adjusting said arbor to position said cutter for a tooth grinding operation when said cutter is moved by means of said hand piece.

1,981,446
COMBINED SELTZER WATER AND SIRUPS DISPENSING BOTTLE DEVICE

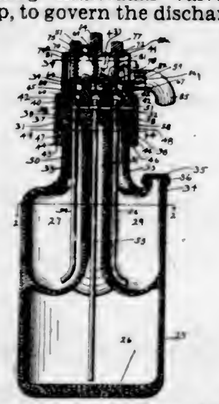
Myer Apfelbaum, Philadelphia, Pa.

Application June 20, 1932, Serial No. 618,295

7 Claims. (Cl. 225—21)

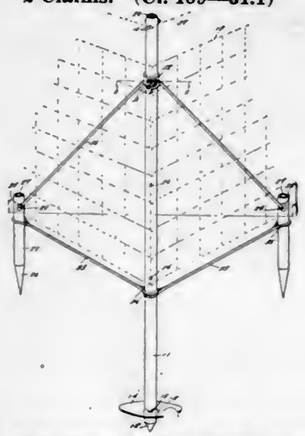
1. A bottle device for dispensing a plurality of liquids under pressure comprising an individual walled container, a neck to said container, a cap covering said neck, a plurality of compartments

within the wall of said container, valve and spout means, including individual valves positioned within said cap, to govern the discharge from each



container and tubular means connecting the cavity of each of said compartments with each of said individual valves, respectively.

1,981,447
FENCE POST
George F. Clark, Whitney, Nebr.
Application January 19, 1932, Serial No. 587,595
Renewed April 13, 1934
2 Claims. (Cl. 189—31.1)



1. In a structure of the class described, a fencepost, a pair of tubular stakes, each stake having an internal core constituting a filler, the upper end of each stake being apertured to expose the filler, a pair of complemental diagonal braces having forks at their upper ends to embrace the post, an abutment collar mounted on the post and co-operable with said forks, the lower ends of said braces being pointed for passage through the apertures in said stakes and to permit the pointed ends to be embedded in the cores of the stakes.

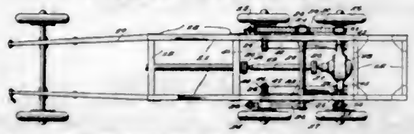
1,981,448
COVER FOR LEAF SPRINGS
George W. Crabtree, Cleveland Heights, Ohio
Application March 3, 1932, Serial No. 596,525
10 Claims. (Cl. 267—37)

4. A cover for leaf springs having a plurality of sections composed of a pair of top and bottom U-shaped channels, said bottom channel having inturned and re-entrantly turned margins adapted to overlie and press against the margins of the spring top, the top channel having inturned and re-entrantly turned margins adapted to overlie and press against the base of the bottom channel, the base of the bottom channel having ridges therealong over which the margins of the top



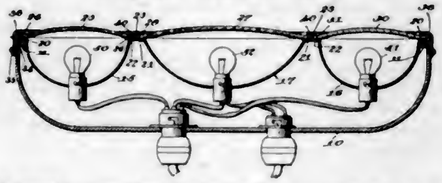
channel are sprung, a fabric liner for the cover surrounding the spring and sealing the ends of the cover, a curved blade spring arranged to lie in the cover between the sealed ends of the liner and adapted to be compressed by engagement with the leaf spring.

1,981,449
MULTI-WHEEL ROAD VEHICLE
Rollie B. Fageol, Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation, a corporation of Delaware
Application March 18, 1929, Serial No. 348,069
3 Claims. (Cl. 180—22)



2. A multi-wheel road vehicle comprising a frame, a truck embodying two sets of tandem wheels arranged to support one end of said frame, means provided a pivotal axis extending transversely of said frame, said truck being mounted for pivotal movement about said axis, a drive axle supporting the wheels of one set, the other set of wheels being carried by independently mounted arms arranged to swing about said axis, and torque resisting arms each connected at one end to said drive axle and at its other end to one of said arms in such manner that the torque reactions tend to lift the wheels carried by said arms from the ground whereby the load is shifted to the wheels on said drive axle.

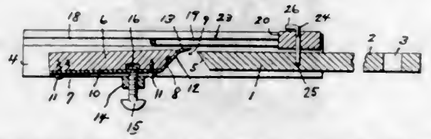
1,981,450
SIGNAL LAMP FOR AUTOMOBILES
James M. Fenna, Plainfield, N. J.
Application July 17, 1933, Serial No. 680,851
1 Claim. (Cl. 177—329)



A signal lamp for automobiles comprising a casing having an open face, said casing having a plurality of sections formed of a sheet of metal having depressed pockets and fitted into the casing, the walls of the pockets outlining said sections and having upstanding ribs and shoulders upon opposite sides of the ribs, transparent cover plates for the pockets having the inner peripheral portions abutting the ribs and resting on the shoulders, a metal cover plate having openings aligning with the pockets, bars secured to the cover plate and engaging the adjacently-disposed

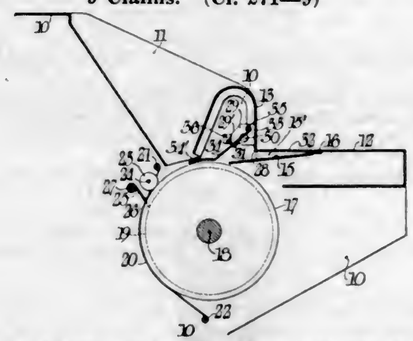
edges of the transparent cover plates, an electric lamp in each pocket, and an annular rib pinched from metal of the casing being located on the inner wall of the casing and forming a shoulder to support the outer edges of the transparent plates.

1,981,451
POTATO SLICER
Fredrick D. Herrington, Caddo, Tex.
Application February 21, 1933, Serial No. 657,849
1 Claim. (Cl. 146—168)



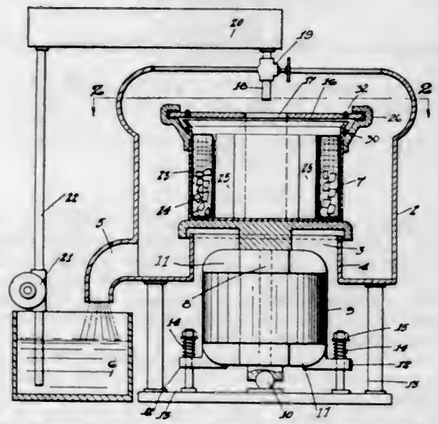
The potato slicer described comprising essentially, a board having a handle at its rear end and longitudinal grooves in its upper side extending to its forward end and also having side portions extending upwardly above its upper side and longitudinally forward beyond its forward end, said portions with longitudinal channels at their inner sides, a board pivotally connected to and between said side portions of the first-named board and having longitudinal grooves in its upper side extending to its rear end and also having said rear end spaced in front of the forward end of the first-named board, a plate carried at the underside and rear end of the second-named board and connected to said board and having a slicing blade at its rear end, a cross-bar connected to and bridging the space between the lower edges of said side portions, an adjusting screw bearing in said cross-bar and connected in swivelled manner to the plate at the underside of the second-named board, and a retriever slidable above the longitudinally grooved boards and including a rear block and a cross bar spaced in front of the block for the positioning of a potato between the two and also including longitudinal side bars movable rectilinearly in the channels of the side portions and terminating at their rear ends in inwardly directed portions fixed to the block.

1,981,452
AUXILIARY FEEDING HOPPER FOR A DOCUMENT HANDLING MACHINE
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application February 17, 1934, Serial No. 711,812
9 Claims. (Cl. 271—9)



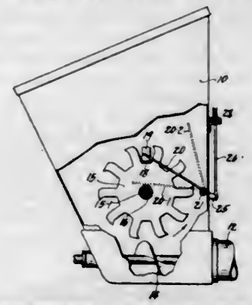
1. In a machine for handling documents, the combination with a housing which is provided with a guideway for documents, a feeding drum rotatably mounted within said housing and for moving documents therein, and a cover mounted on said housing, adapted in closed position to cover said guideway and adapted in open position to uncover said guideway, of a guide member connected to said cover, adapted in open position of said cover to contact said drum for directing documents therearound and adapted in closed position of said cover to be spaced from said drum.

1,981,453
IMPREGNATION OF ARTICLES BY CENTRIFUGAL MEANS
William A. Hyde, Worcester, Mass., assignor to Leon J. Barrett, Worcester, Mass.
Application May 29, 1931, Serial No. 540,960
4 Claims. (Cl. 99—12)



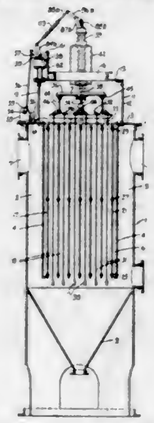
1. A method of treating articles with a liquid for the purpose of impregnating the articles, which comprises rotating a closed receptacle containing the liquid with the articles submerged therein to build up a hydro-static pressure acting to force the liquid through the articles in toward the axis of rotation.

1,981,454
STOKER CONTROL
Calvin Kay, Tremonton, Utah
Application October 10, 1931, Serial No. 568,013
5 Claims. (Cl. 259—45)



1. The combination with a stoker having a hopper, a conveyor leading out of said hopper and an agitator revoluble in said hopper above the conveyor, of a control mechanism including an arm disposed to be raised and lowered within the circle described by said agitator, and means actuated by the movement of said arm for the purpose of controlling the motive power of said conveyor.

1,981,455
ELECTRICAL PRECIPITATOR
Alfred W. Knight, San Marino, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a corporation of California
Application March 14, 1932, Serial No. 598,853
8 Claims. (Cl. 183—7)

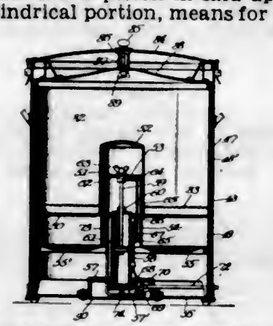


1. In an electrical precipitator a vertical cylindrical casing, two parallel vertical partition members extending across the interior of said casing and defining with the respective arcuate portions of the casing subtended thereby two segment-shaped inlet passages, and defining with the arcuate portions of the walls of the casing therebetween a chamber occupying substantially the entire cross-sectional area of said casing with the exception of said segment-shaped inlet passages, said casing having inlet openings therein communicating with said inlet passages and being provided with a space beneath said partition members establishing communication between the lower ends of said inlet passages and said chamber, means closing the upper end of said passages, a plurality of pervious collecting electrode members disposed in said chamber in parallel vertical planes and extending substantially entirely across said chamber from one wall portion thereof to the other and substantially filling the entire cross-sectional area of said chamber, discharge electrode means disposed between said collecting electrode members, the upper end of said casing being provided with gas outlet means communicating with the upper end of said chamber, and means for maintaining an electrical potential between said discharge and collecting electrodes.

3. In an electrical precipitator, a casing, a plurality of collecting electrode units disposed in parallel vertical planes within said casing and each comprising a plurality of closely spaced rods normally extending substantially vertically, means for moving the central portion of said rods laterally in the planes of the respective units, so as to flex said rods, and means for suddenly returning said rods to normal position.

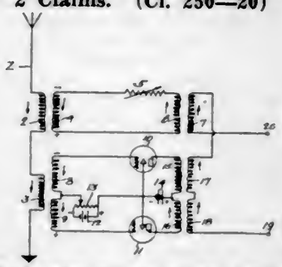
1,981,456
WASHING MACHINE
George Kuhn, Takoma Park, Md., and Vladimir A. Grodsky, Washington, D. C.
Application November 28, 1931, Serial No. 577,828
Renewed April 2, 1934
14 Claims. (Cl. 68—37)

1. A washing machine comprising upper and lower cylindrical portions separated by a perforate partition, said partiton having an upwardly extending cylindrical portion centrally thereof and spaced from the walls of said upper cylindrical portion, a piston in said lower cylindrical portion and a piston in said upwardly extending cylindrical portion, means for reciprocat-



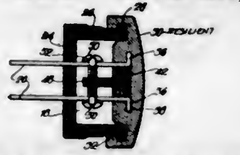
ing said pistons in unison, and a fluid communicating passage between the lower end of the lower cylindrical portion and the upper end of the upper cylindrical portion.

1,981,457
METHOD OF AND MEANS FOR REDUCING ELECTRICAL DISTURBANCES
David G. McCaa, Philadelphia, Pa.
Application October 29, 1930, Serial No. 492,053
2 Claims. (Cl. 250—20)



1. In a device for discriminating between electrical waves of different amplitudes, two electrical paths operative with respect to the source of said waves, two thermionic devices, each including an anode, in one of said paths arranged to conduct alternately the half cycle portions of said waves, means biasing said devices beyond anode current cut-off an amount comparable to the peak value of waves of predetermined amplitude, and means for opposing to each other the waves passing through said paths, whereby waves of greater amplitude than said predetermined amplitude substantially cancel each other.

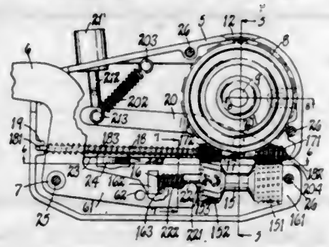
1,981,458
ELECTRIC SERVICE PLUG WITH PRONGS IN CAP
Arthur S. McCloy, Detroit, Mich., and Stanley F. French, Dobbs Ferry, N. Y., assignors to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application January 3, 1933, Serial No. 649,994
7 Claims. (Cl. 173—361)



1. An electric service plug comprising a chambered base having an end wall slotted for the passage of terminal prongs, an annular side wall with a conductor opening therein, an imperforate closure cap secured to the base and having a prong cavity with lateral notches formed therein, terminal prongs, parts of which extend through the end wall of said base and having lugs seated in said lateral notches and a key piece seated in said cavity and holding said terminal prongs in place.

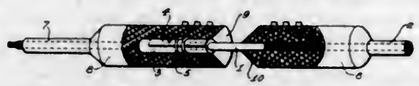
CARNEGIE LIBRARY OF ATLANTA

1,981,459
PORTABLE CHECK WRITER AND PROTECTOR
William Melin, Flint, Mich.
Application August 7, 1931, Serial No. 555,791
11 Claims. (Cl. 197—6.4)



6. In a check writer and protector, the combination of a main head having a handle fixed thereon, a cover head having a pivoted handle therein, a printing wheel having inking means, a platen cooperating with said printing wheel, an active feed roll on a fixed longitudinal shaft disposed in said cover plate provided with heads, one having pointed projections and the other having indicator projections thereon, a cooperating yielding feed roll having peripheral corrugations corresponding to the projections on said active feed roll, said active feed roll having distinguishing character marks for the identification of the particular check writer employed, and means to actuate the same.

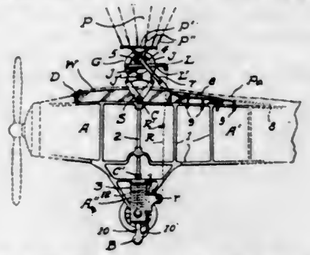
1,981,460
CABLE CONNECTER
James B. Miller, Webster Groves, Mo.
Application August 7, 1929, Serial No. 384,193
6 Claims. (Cl. 173—332)



1. A cable connecter, comprising, a plug member, a socket member having a side portion thereof entirely separate therefrom, and means loosely supporting said side portion on said socket member, each of said members being enclosed in an insulating covering, and said coverings having matching end portions mutually engageable to provide a water-tight joint.

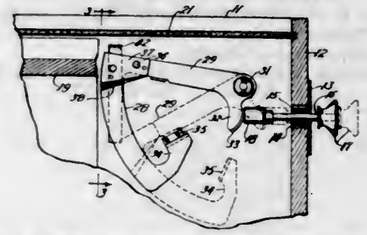
1,981,461
FLYING EQUIPMENT
Robert J. Miller, Milwaukee, Wis.
Application March 22, 1932, Serial No. 601,698
3 Claims. (Cl. 244—21)

1. Flying equipment having a parachute, an aeroplane, a coupling means connecting together said parachute and said aeroplane, a reciprocative bumper for automatically affecting said means to break the coupling relation between the connected elements, and a shock absorbing instrumentality responsive for cushioning the shocks generated at the instant said parachute



expands and when landing under parachute suspension.

1,981,462
BALL AGITATING DEVICE FOR PINBALL GAMES
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application March 31, 1933, Serial No. 663,743
4 Claims. (Cl. 273—121)

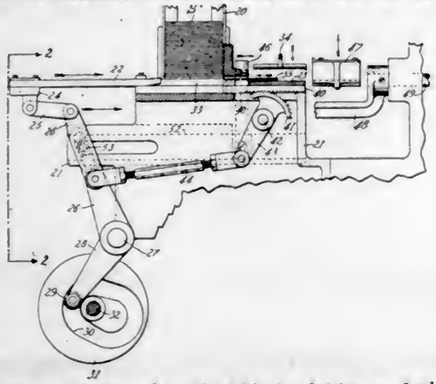


1. In a pin ball game, the combination of a playing board, means for supporting a supply of balls beneath said board, said means including a restricted passageway, through which the balls pass, to present them singly to position for elevation to the playing board, a vertically oscillating ball lifting device adapted to lift the balls individually from said support to said playing board, said ball lifting device having a cam element thereon for agitating the remaining balls in said supply upon the down stroke of said device.

1,981,463
SHELL OPENER FOR CIGARETTE PACKAGING MACHINES
Peter M. Nejedly, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application February 15, 1934, Serial No. 711,414
8 Claims. (Cl. 93—53)

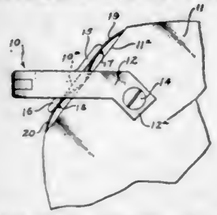
1. In a shell opener, the combination with a magazine adapted to contain a stack of collapsed cardboard shells having seams in their bottoms, of a support for the stack of shells in said magazine, a stationary plate, pusher arms for ejecting the lowermost shell from said stack onto said plate, a clamping finger movable into position to engage the top of the collapsed shell on said plate at a region above the seam in its bottom, whereby the portion of the shell adjacent the inner seam edge will be forced open, a reciprocable clamping blade adapted to be inserted into the collapsed shell adjacent its inner seam edge while it is clamped by said finger and to hold said shell to said plate while said finger is withdrawn from clamping position, a folder for opening the collapsed shell while it is held by said blade and the clamping finger is out of clamping position, an

ejector for pushing the opened shell off said plate, and mechanism for actuating said pusher arms,



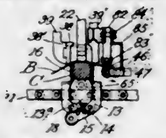
clamping finger, clamping blade, folder and ejector in timed relation.

1,981,464
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application September 10, 1932, Serial No. 632,489
17 Claims. (Cl. 88—47)



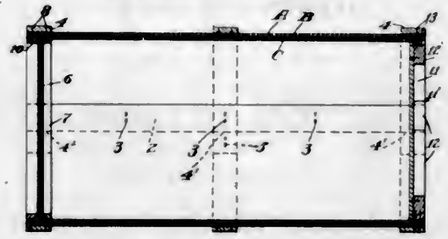
1. In eyeglass construction, in combination, a lens, an eyegless part connected to said lens, a strap member connected to said part and substantially following a portion of the edge of said lens, said strap member being spaced from the edge of said lens, a pair of lugs extending inwardly from said strap member substantially at the opposite ends thereof and toward the edge of said lens, and a pair of arc shaped spring members having holes extending through their central portions disposed between said strap member and the edge of said lens so that said lugs extend through said holes, the opposite ends of each of said spring members engaging the edge of said lens.

1,981,465
BAND MOISTENER
Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application November 28, 1933, Serial No. 700,139
15 Claims. (Cl. 131—61)



1. In a labeling machine, the combination with means for supporting an article and a label having a portion projecting beyond one side of the article, a folder movable against said portion to fold the same against the article, a liquid carrying element movable into the path of movement of said portion to render it adhesive, and means mounted on said folder for relative movement thereon to engage the label and press the same against said element.

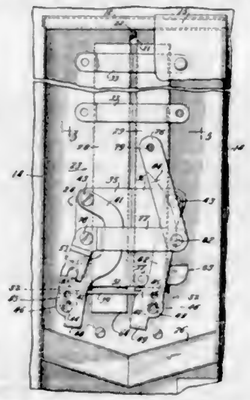
1,981,466
PLYWOOD CONTAINER
Allen Quimby, Portland, and Samuel J. Antworth, Houlton, Maine, assignors to Northern Maine Plywood Company, Portland, Maine, a corporation of Maine
Application June 11, 1930, Serial No. 460,392
16 Claims. (Cl. 217—1)



9. In plywood barrel construction imperforate side walls formed of three-ply material, with the plies solidly united, forming in effect a practically one-piece annular body having a permanently fastened longitudinal lapped joint at one side thereof and capable in itself of maintaining its shape or form, the grain of the wood of the outermost ply extending longitudinally of the container, the grain of the wood of the middle ply extending circumferentially of the container, and the grain of the wood of the innermost ply extending continuously from one end of the container to the other, together with preformed opposite countersunk imperforate heads which can be inserted in the body, encircled and tightly held in place by the opposite three-ply end portions of said body, at least one head comprising straight-edged blocks arranged end to end, of a width and thickness to receive both axial and radial fasteners, forming hand grips at the end of the barrel, fasteners inserted through a head wall into said blocks, serving to permanently hold the blocks end to end, and other fasteners inserted inwardly through said body into said blocks, whereby each block has a set of axial fasteners and a set of radial fasteners, the heads of said first-mentioned fasteners being on the interior of the container, the heads of said other fasteners being on the exterior of the barrel, and the points of all of said fasteners being imbedded and concealed in said blocks, together with an outside hoop fastened by said other fasteners to said blocks.

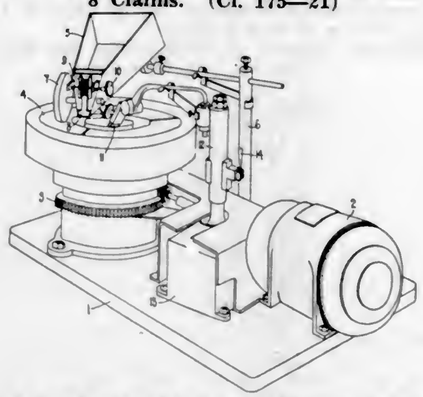
13. In a plywood barrel construction, the combination with a circumscribing annular body formed of a single sheet of plywood having the ends thereof overlapped and secured together with one edge of the sheet exposed, and with the inner edge thinned down to a thin edge on the innermost ply only, said plywood comprising at least three plies with the grain in the inner and outer plies extending longitudinally of the body and with the grain in the middle ply extending circumferentially of the body, of a plurality of hoops surrounding the said body and secured thereto, of a thickness substantially the same as said sheet, the ends of said hoops being overlapped and one end of each hoop abutting the exposed edge of the sheet, and a bottom unit fitting snugly within and secured to said body and one of said hoops.

1,981,467
VENDING MACHINE
Bruno Radtke, Libertyville, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1931, Serial No. 516,114
7 Claims. (Cl. 312—67)



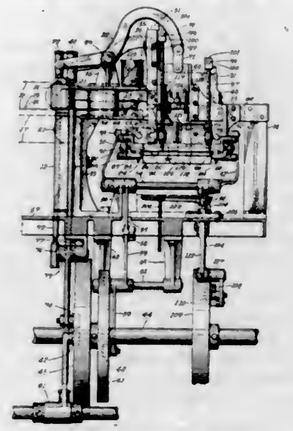
7. In a vending machine, the combination of means for supporting in adjacent vertical column arrangement the articles to be dispensed, means for alternately releasing an article from one and then from the other of the adjacent columns, said means including a reciprocating separator member positioned at the base of the columns for engaging and displacing the lowermost article from the column, and means for adjusting the position of said separator member relative to the lower end of the column, whereby to accommodate the release mechanism to articles of different size or form.

1,981,468
MAGNET CORE
Philip Norton Roseby, Liverpool, England, assignor to Automatic Electric Company Limited, Liverpool, England, a British company
Application November 28, 1930, Serial No. 498,694
In Great Britain November 30, 1929
8 Claims. (Cl. 175—21)



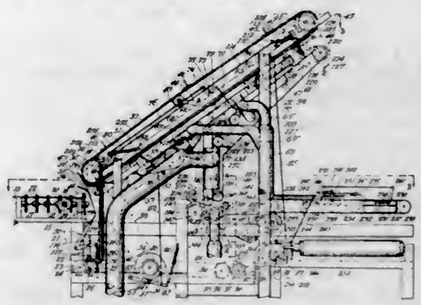
1. A magnet core for use in loading coils and the like comprising finely-divided particles of magnetic material having one dimension substantially longer than the others and which are arranged substantially parallel with their longer dimension and in the same direction as the magnetic field generated during the subsequent use of the core.

1,981,469
CIGAR BUNCH FORMING
Rupert E. Rundell, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application October 22, 1930, Serial No. 490,516
13 Claims. (Cl. 131—5)



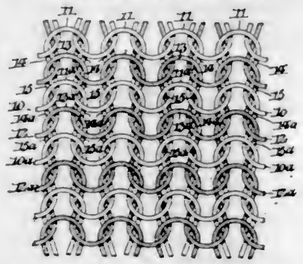
1. The combination with a filler feeding device, of means for enclosing a charge of filler within a binder, and mechanism between said device and said means for giving the charge permanent cigar form before it is enclosed within its binder including members having surfaces with the contour of a cigar with tapered ends, said device including a compartment above said mechanism for receiving a bunch charge, said compartment having a gate forming its bottom and a plunger operating to push the charge through the bottom of the compartment into said mechanism.

1,981,470
TOBACCO LEAF STEMMING AND HANDLING MECHANISM
Rupert E. Rundell, Rockville Center, and Gustaf E. Hagquist, Brooklyn, N. Y., assignors to International Cigar Machinery Company, a corporation of New Jersey
Application June 23, 1933, Serial No. 677,336
60 Claims. (Cl. 131—57)



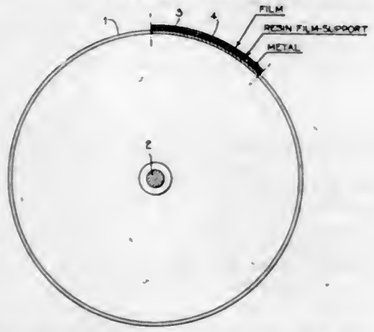
1. The combination with devices for spreading out tobacco leaves from which the stems are to be removed, of mechanism for receiving the outspread leaves and separating their stems and webs, and instrumentalities for transferring the outspread leaves from said devices to said mechanism, and means for receiving the webs from said mechanism and laying them flat in side by side relationship.

1,981,471
KNITTED FABRIC
Oskar Sauer, Philadelphia, Pa.
Application October 5, 1932, Serial No. 636,262
7 Claims. (Cl. 66—169)



1. An anti-ravel fabric characterized by having the loops of alternate courses engaged with each other after the manner of plain knitting, and said loops interlocked with the loops of alternate intermediate courses likewise interengaged after the manner of plain knitting, the sides or shanks of all the loops appearing at the front of the fabric, and the bends or bights of all the loops appearing at the back of the fabric.

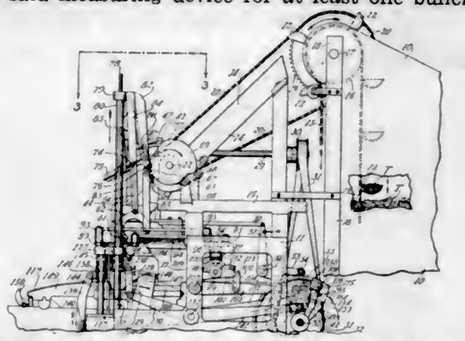
1,981,472
APPARATUS FOR MAKING FILMS, FOILS, AND THE LIKE
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 28, 1930, Serial No. 424,139
7 Claims. (Cl. 18—15)



1. A support for forming films, the film forming surface of which consists substantially of a synthetic resin.

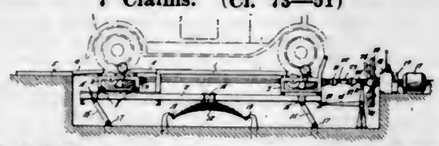
1,981,473
CHARGE SIZER
Walter H. Schussler, Philadelphia, Pa., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application December 14, 1932, Serial No. 647,274
12 Claims. (Cl. 131—42)

1. The combination with a tobacco measuring device, of means normally operating to intermittently deliver a quantity of tobacco sufficient for more than one bunch charge to said measuring device, mechanism for compressing the tobacco in said measuring device during the interval between delivery of successive quantities of tobacco by said means, mechanism for severing a bunch charge from the compressed tobacco in said measuring device during said interval, and a device controlled by said compressing mechanism for temporarily causing said means to operate continuously when there is insufficient tobacco in said measuring device for at least one bunch



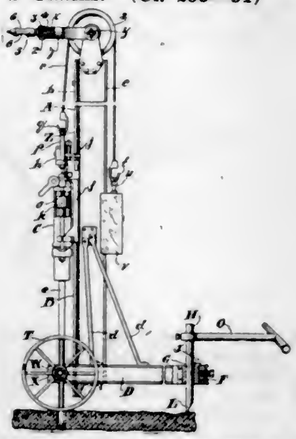
charge, said compressing mechanism being operative to eject the severed charge from said measuring device.

1,981,474
AUTOMATIC BRAKE TESTER
Harry H. Semmes, Chevy Chase, Md., assignor to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y., a corporation of Delaware
Application August 25, 1930, Serial No. 477,715
7 Claims. (Cl. 73—51)



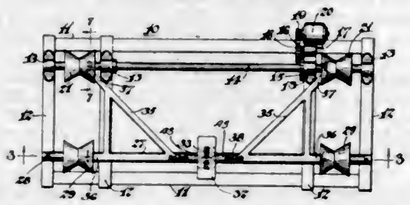
3. A brake testing device comprising a carriage displaceable proportional to a load imposed thereon, wheel supporting rotating means on the carriage, means to drive the wheel rotating means, an inertia body connected with the wheel rotating means including means to vary the inertia thereof, and means operable by displacement of the carriage to vary the inertia of the inertia body.

1,981,475
DRILLING MECHANISM
William A. Smith, Sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application January 11, 1933, Serial No. 651,119
2 Claims. (Cl. 255—51)



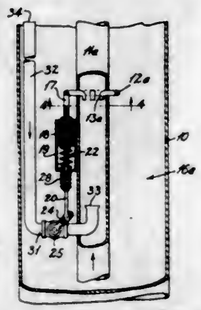
1. A drilling mechanism comprising a frame, a column supported by and being angularly disposed with respect to the frame, a pair of guide members on the column, a rock drill slidable on one guide member, arresting means on the rock drill and cooperating with the said guide member to determine the direction of movement of the rock drill with respect to the column, and a counter-weight slidable on the other guide member and being connected with the rock drill to balance the weight thereof.

1,981,476
AUTOMOBILE WHEEL GAUGE
Robert J. Statz, South Bend, Ind., assignor to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass., a corporation of Delaware
Application January 30, 1930, Serial No. 424,687
13 Claims. (Cl. 33—203)



1. A gauge for indicating the planes of rotation of wheels comprising a shaft mounted for rotation, a fixed shaft arranged in parallel relation to the rotatable shaft, spools mounted on the shafts in pairs, said spools being mounted to adjust themselves to the plane of rotation of the wheels, a scale and members connected to each of the respective pairs of spools and co-operating with the scale for indicating the planes of rotation of the respective wheels.

1,981,477
METHOD AND APPARATUS FOR GAS-LIFT CONTROL
Philip Subkow, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 5, 1932, Serial No. 591,099
15 Claims. (Cl. 103—232)



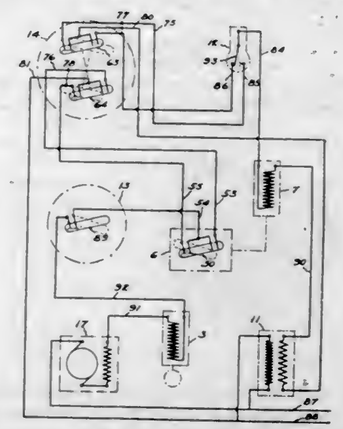
1. A gas-lift method comprising supplying a gas to a well and into the lower end of a fluid eduction pipe whereby liquid in the well is elevated through said tube, measuring directly the dynamic pressure and indirectly the density at the point of entry of liquid into said tube, and varying the rate of supply of gas to the eduction tube in response to changes in said measured dynamic pressure and density of the liquid entering said tube at the time of entry of different gravity liquid into the tube, whereby a constant gas-oil ratio is maintained in the eduction tube.

1,981,478
PILE WIRE INSERTING MEANS FOR LOOMS
Raymond Sutcliffe, Cornwall, N. Y., assignor to Firth Carpet Company, Firthcliffe, N. Y., a corporation of New York
Application March 1, 1934, Serial No. 713,466
5 Claims. (Cl. 139—42)



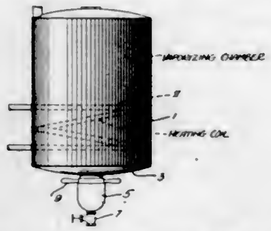
1. In a loom, a carriage movable to and from the fabric for withdrawing a pile wire therefrom and then inserting it in the fabric shed, means for engaging the carriage and moving it away from the shed on its withdrawal movement, a plunger, a spring for forcing said plunger in one direction, means on the carriage for compressing the spring while the carriage is moving away from the shed, and means for disengaging the carriage from the carriage-moving means after the spring has been compressed by the carriage.

1,981,479
OIL BURNER CONTROL
Edmund J. Te Pas, Lakewood, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application April 15, 1929, Serial No. 355,234
1 Claim. (Cl. 158—28)



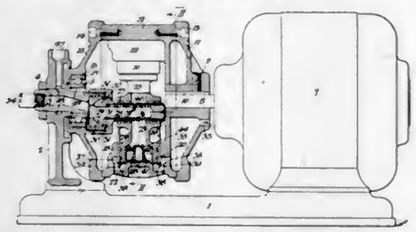
In a control system for electrically operated oil burners for steam, vapor and hot water heating appliances, in combination, sources of oil and gas supply, a high voltage circuit including in series connection an electric motor, an electric fuel oil valve, an electric switch responsive to the physical conditions of the water in the appliance, an electric switch mechanism responsive to the temperature of the flue gases of the appliance, and a gas flame actuated thermostatic switch mechanism, and a low voltage circuit including in series connection a remote thermostatic switch mechanism responsive to the heat generated by the appliance, a second thermostatic switch mechanism responsive to the heat of the flue gases of the appliance, an electric gas valve, a gas burner under control of said remote switch mechanism, said recond thermostatic switch mechanism and said gas valve providing a source of energy for the operation of said flame actuated thermostatic switch mechanism for controlling the operation of said oil burner.

1,981,480
RECLAIMING OR DISTILLING APPARATUS
Charles P. Tolman, Kew Gardens, N. Y., assignor, by mesne assignments, to Columbia Appliance Corporation, New York, N. Y., a corporation of New York
Application September 17, 1931, Serial No. 563,389
4 Claims. (Cl. 202—261)



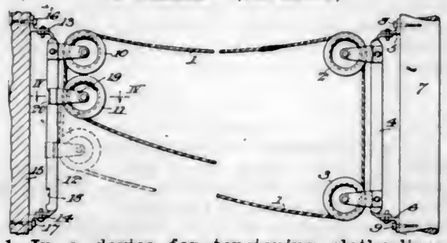
1. In a still, the combination of a vaporizing chamber having a bottom wall provided with an opening, a residue chamber having a top opening and being connected to said vaporizing chamber and in free communication therewith through said openings, and a valve controlled drain pipe extending through a wall of the residue chamber and presenting an inlet opening below the level of the opening in said bottom wall of the vaporizing chamber and above the bottom of the residue chamber whereby the contents of the vaporizing chamber may be drained through said pipe without draining the contents of the residue chamber.

1,981,481
FLUID COMPRESSOR
Charles M. Tursky, Philadelphia, Pa.
Application February 9, 1933, Serial No. 655,880
7 Claims. (Cl. 230—177)



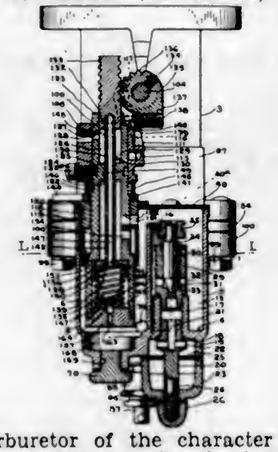
1. In a fluid compressor, the combination with a base member; of a crank shaft; means normally holding said crank shaft in stationary position on said base member; a ball socket carried by said crank shaft in eccentric relation with the axis of said shaft; a cylinder mounted to rotate in concentric relation with the axis of said crank shaft; two cylinders in coaxial relation with each other and in diametrical relation with said first cylinder; two pistons rigidly connected by a tubular piston rod and mounted to respectively reciprocate in said axially alined cylinders; a cylindrical bearing in said piston rod intermediate of said pistons with its axis at right angles to the common axis of said pistons a crank member fitted to reciprocate in said bearing in said rod and having a ball at one end fitted for oscillation in said ball socket; whereby rotation of said first cylinder causes said pistons to reciprocate in said axially alined cylinders; and valves controlling the passage of air to and from said axially alined cylinders; whereby air is taken from the outer atmosphere, compressed in, and discharged from said axially alined cylinders by the reciprocation of said pistons.

1,981,482
CLOTHESLINE HANGER
William H. Urbach, Astoria, N. Y.
Application April 7, 1934, Serial No. 719,434
3 Claims. (Cl. 68—3)



1. In a device for tensioning clotheslines, a bracket having an elongated portion, a first pulley supported adjacent one end of said elongated portion, a pulley carrying member having a portion slidable upon said elongated portion, and a second pulley carried by said member in spaced relationship to said slidable portion, said elongated portion of said bracket having a recess adjacent its end remote from said first pulley engageable by said pulley carrying member when in its position remote from said first pulley, said recess being configurated to resist rotative and sliding movement of said member relative to said bracket and toward said first pulley due to line tension.

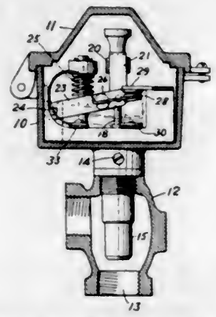
1,981,483
CARBURETOR
Walter H. Weber, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application December 31, 1929, Serial No. 417,609
37 Claims. (Cl. 261—34)



1. A carburetor of the character described, comprising a body member having a mixing chamber therein, an air inlet to said chamber, a vane member normally restricting the passage of air from said inlet to said chamber, said vane member being supported for swinging movement to open communication between said inlet and said chamber, a movable fuel nozzle discharging longitudinally into said chamber and having its point of discharge substantially at the free edge of said vane member when said member is in passage restricting position, means interconnecting said vane member and said nozzle to cause substantially simultaneous movement of said nozzle and said vane member whereby the point of discharge from said nozzle is maintained substantially in the plane of maximum air flow velocity,

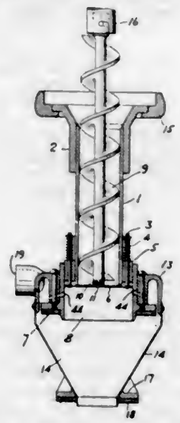
and means fixed in said air inlet to deflect air entering said chamber toward the point of discharge from said nozzle.

1,981,484
FLUID TEMPERATURE LIMITING ELECTRIC CUT-OUT DEVICE
Francis W. Werring, Philadelphia, Pa., assignor to Kitson Company, Philadelphia, Pa., a corporation
Application November 10, 1931, Serial No. 574,150
4 Claims. (Cl. 200—142)



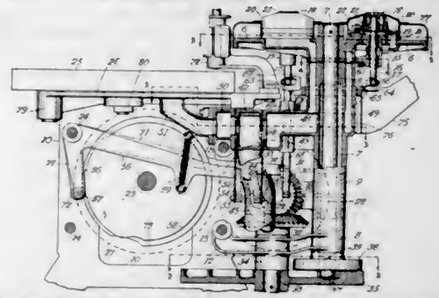
1. An electric switch adapted to be mounted on a conduit having a passage for fluid therethrough, a fusible element, a member stressed against said fusible element, a pivoted arm connected to said member, a curved arm of flexible material forming a movable switch contact connected to said pivoted arm, and a stationary switch contact cooperating with said movable contact.

1,981,485
NOZZLE ATTACHMENT FOR POWDER FILLING MACHINES
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 30, 1932, Serial No. 608,432
10 Claims. (Cl. 226—116)



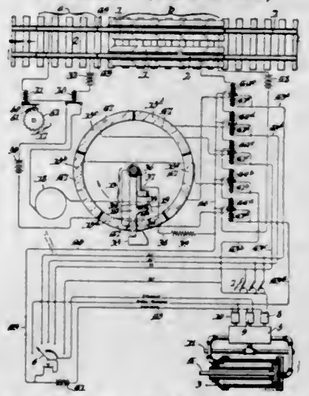
1. In a filling machine, a nozzle, an auger for conveying material in said nozzle, a non-circular clean-off spud at the outlet end of said auger, and a valve adjacent said spud for closing the outlet end of said nozzle, said spud co-operating with said valve to transfer material from the center to the edge of said valve.

1,981,486
TURRET INDEX AND SUCTION CONTROL FOR CIGAR MACHINES
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application February 21, 1933, Serial No. 657,847
7 Claims. (Cl. 131—49)



1. In a cigar machine, the combination with a rotatable carrier, of two leaf supporting suction beds mounted in diametrically opposite positions on said carrier, each bed having a wrapper cutting die thereon, means for intermittently rotating said carrier in 180 degree steps to carry each suction bed successively from leaf serving to wrapper cutting position, a cutting roller adapted to coact with the cutting die of each suction bed while it is at wrapper cutting position to cut a wrapper from a leaf thereon, and mechanism for moving said roller over the cutting die of the suction bed at wrapper cutting position to cut a wrapper from a leaf thereon while said carrier is at rest.

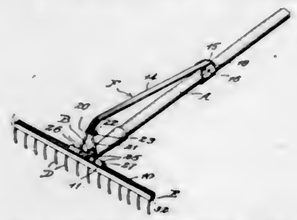
1,981,487
AUTOMATIC CONTROL FOR CAR RETARDERS
Samuel W. Wherry, Altoona, Pa.
Application March 24, 1933, Serial No. 662,598
8 Claims. (Cl. 303—21)



1. The combination with a car retarder including the mechanism for applying same at different pressures, of an automatic control for said mechanism comprising a plurality of operating circuits, each of said circuits operating said car retarder at a different predetermined pressure, a selective switch operated by a car actuated timing mechanism to select and complete one of said operating circuits in accordance with the speed of an approaching car, car actuated sustaining means for holding the selected circuit in completion independently of said se-

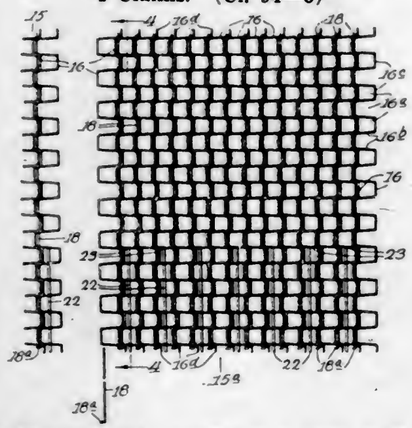
lective switch until said car has passed through the car retarder, and means for returning said selective switch to its initial position.

1,981,488
RAKE CLEANING DEVICE
Anders Johan Wikander and Herbert Edvard Ohrn, Brooklyn, N. Y.
Application July 26, 1933, Serial No. 682,171
3 Claims. (Cl. 55—146)



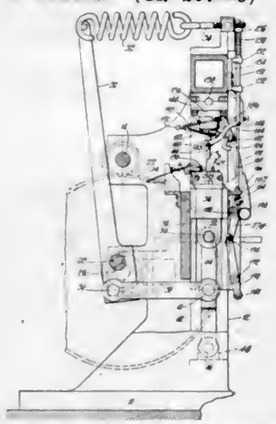
1. A tooth cleaner attachment for hand rakes, including a stripper member mounted for slidable movement with reference to the teeth from the bases of the outer free ends thereof, said stripper member being of cross sectional channeled configuration presenting inner and outer side walls lying on opposite sides of the tooth supporting bar of the rake head when the member is retracted and a bight portion connecting said walls having openings through which the rake teeth extend, a flat leaf spring carried by the rake handle and means pivotally connected on horizontal axes to the outer end of said leaf spring and to the inner wall of said stripper member for effecting movement of said member with respect to the teeth.

1,981,489
REENFORCED PAVEMENT
Allen B. Wilson, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1929, Serial No. 382,889
4 Claims. (Cl. 94—8)



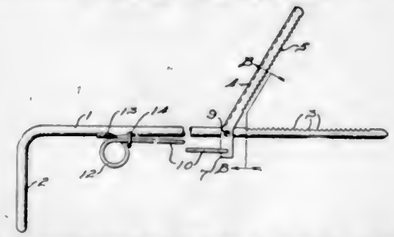
4. A pavement comprising a base, a flexible reenforcing mat resting on said base and composed of a plurality of metal strips each resting edgewise on said base and pivotally connected with the next adjacent strips of mat leaving intervening spaces between them, and surface paving material filling the spaces of said mat to the level of the upper edges of said strips which are presented edgewise to the surface of the pavement.

1,981,490
FEEDING AND STRIPPING MECHANISM FOR TUBE-FORMING MACHINES
Paul Witte, New Milford, N. J., assignor to White Metal Manufacturing Company, Hoboken, N. J., a corporation of New Jersey
Application November 7, 1933, Serial No. 697,005
8 Claims. (Cl. 207—9)



1. A machine for making collapsible tubes comprising a reciprocating platen carrying a die, a plunger for coaction with said die, means for supporting the plunger for swinging movement about a fixed pivot, mechanism for reciprocating said platen, means for swinging said plunger about said fixed pivot, a one piece stripper sleeve embracing the plunger, a slidably mounted member, means for transmitting movement thereto from said platen and a link having a pivotal connection with the stripper sleeve and with said member and effective to move said stripper sleeve lengthwise of the plunger.

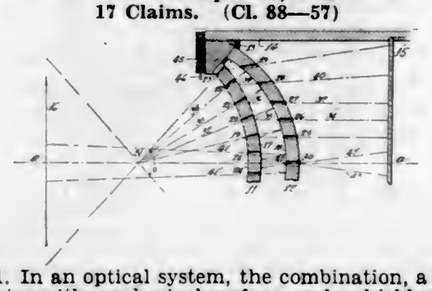
1,981,491
COMBINATION POKER
Ernest H. Wolfe, Detroit, Mich., assignor to Clyde De Witt, Detroit, Mich.
Application December 19, 1933, Serial No. 703,073
1 Claim. (Cl. 294—11)



In a combination poker, a round metal rod bent to provide a handle at one end, the rod being provided with a series of teeth formed in the surface thereof adjacent the opposite end of the rod, the end of the rod beyond the teeth being carried to a blunt point, a sheet metal gripping jaw pivotally mounted on the rod adjacent the toothed end, the gripping jaw being semi-circular in cross section to fit about the round metal rod when in the closed position, the opposite edges of the gripping jaw being provided with teeth arranged when closed to overlap the teeth of the rod, the gripping jaw being provided with integral ends extending beyond its pivot, an operating rod pivotally connected to said ends and movable longitudinally of the poker

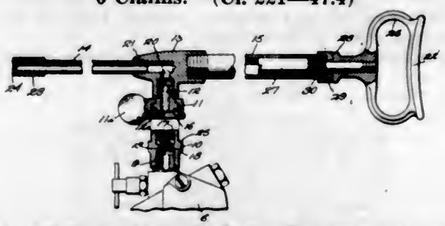
to turn the gripping jaw on its pivot, a bracket secured to the metal rod and providing a guide for the operating rod, the operating rod terminating in a loop end adjacent the handle and the pivot for the gripping jaw being so positioned that the end of the gripping jaw when closed terminates short of the pointed end of the round metal rod.

1,981,492
OPTICAL SYSTEM
Cyril O. Assmus, New York, N. Y.
Application April 11, 1930, Serial No. 443,300
Renewed April 20, 1934
17 Claims. (Cl. 88—57)



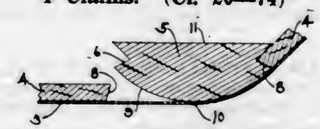
1. In an optical system, the combination, a reflector with a spherical surface, and a shield with a spherical surface for said reflector, said shield comprising means for substantially isolating the light into separate rays in a specific direction as received by said reflector and for intercepting rays from other directions.

1,981,493
LUBRICATING NOZZLE
Louis C. Bailey, Seattle, Wash., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application October 7, 1932, Serial No. 636,716
6 Claims. (Cl. 221—47.4)



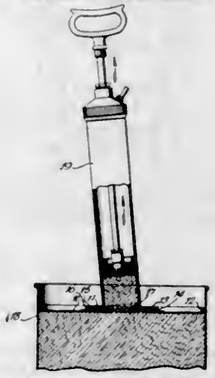
1. A lubricant supply device for pressure application to fittings, comprising, a barrel having a rigid outlet adapted to be engaged against the fitting, said barrel having a substantially plain straight bore throughout its length, a stock extending from said barrel, a lubricant supply hose connected to the barrel, and a quick detachable coupling between said barrel and lubricant supply hose.

1,981,494
CABINET CORNER CONSTRUCTION
Hans Berg, Grand Rapids, Mich.
Application July 2, 1934, Serial No. 733,463
4 Claims. (Cl. 20—74)



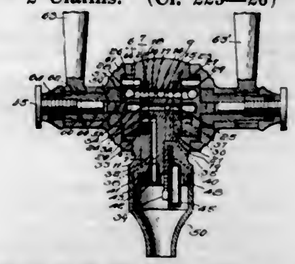
1. A construction of the class described comprising, two sides located adjacent a corner, a corner post interposed between adjacent edges of said sides and abutting thereagainst, an outer lamination joined to the outer surface of said sides and extending continuously around the outer surface of said corner post and an integral portion of said corner post overlapping the rear surfaces of said sides.

1,981,495
FILLING DEVICE
Clyde G. Butler, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application February 17, 1934, Serial No. 711,678
7 Claims. (Cl. 221—47.5)



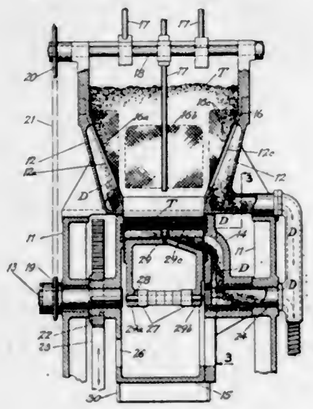
1. A filling device adapted for use on the top of a grease mass in a container for filling hand operated grease guns of the type having barrels with removable heads; comprising a flat follower plate having a central flexible portion adapted to be engaged by the open end of a barrel to be filled, said central flexible portion having a central passageway.

1,981,496
FAUCET
William C. Buttner, Chicago, Ill., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application June 13, 1930, Serial No. 460,838
2 Claims. (Cl. 225—26)



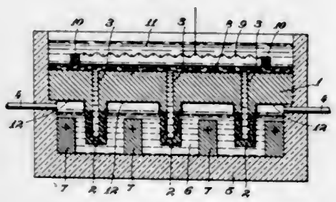
1. A faucet including an outlet passage and having supply passages and delivery passages, said delivery passages terminating in outlet ports positioned side by side at the inner end of said outlet passage, valve means for interconnecting said supply and delivery passages and adapted to regulate flow from said supply passages through said delivery passages to said outlet ports, and means at the outlet port of one of said delivery passages and having an elongated slit therein in the side thereof adjacent to a juxtaposed outlet port, said slit affording discharge of liquid in a narrow stream extending substantially parallel with a stream of liquid flowing from said juxtaposed outlet port to insure breaking up of the stream of liquid from said juxtaposed outlet port and thorough intermingling of the liquids.

1,981,497
DUST REMOVER FOR SCRAP BUNCH CIGAR MACHINES
James P. Durning, St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application April 14, 1933, Serial No. 666,206
16 Claims. (Cl. 131—39)



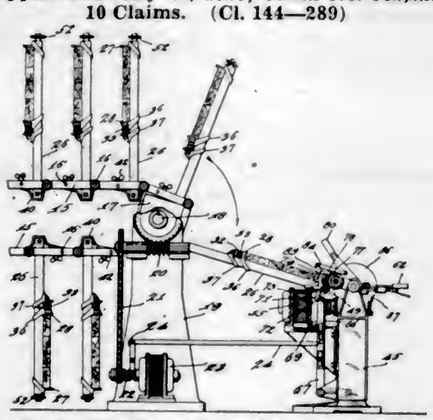
1. The combination with a hopper adapted to contain a mass of scrap tobacco, of means for agitating the tobacco in said hopper, and suction means for exhausting the dust and small particles stirred up from the tobacco in said hopper by said agitating means, said suction means including a saddle into which said hopper is fitted, said saddle having a plurality of air ducts intercommunicating with each other to provide a single outlet, and said hopper having openings registering with the entrances to said ducts and provided with reticulated screens covering said openings.

1,981,498
ELECTROLYTIC CELL
Victor Engelhardt and Nikolaus Schönfeldt, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application November 19, 1932, Serial No. 643,424
In Germany December 9, 1931
5 Claims. (Cl. 204—58)



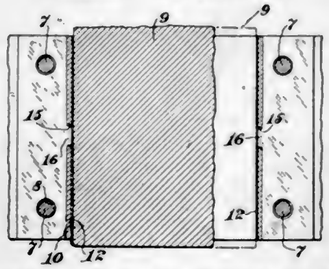
1. In a cell having anode and cathode compartments for the electrolytic decomposition of alkaline metal halides, a horizontal partition separating said anode and cathode compartments, a plurality of spaced channeled extensions of said partition depending into said anode compartment, said extensions being porous, adapted to hold mercury and the channels thereof being in communication with said cathode compartment, and a body of mercury in said cathode compartment covering said partition and extending into and filling said channels.

1,981,499
CLAMP
Harry G. Francis, Rushville, Ind.
Application May 11, 1929, Serial No. 362,228
10 Claims. (Cl. 144—289)



1. In combination with a clamp carrier having a series of clamps and means for moving said clamps successively to and from an operator's station, each of said clamps embodying a pair of jaws and a screw for producing relative movement of said jaws; a sprocket on the end of each of said screws, a frame at the operator's station, a pair of sprockets rotatably mounted in said frame, a chain operatively interconnecting said pair of sprockets, and means for driving said chain in either direction, said frame being movable to bring one reach of said chain into and out of engagement with the screw-sprocket of a clamp at the operator's station.

1,981,500
LOCKING DEVICE
Fritjof Frelin, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application August 17, 1933, Serial No. 685,539
1 Claim. (Cl. 308—237)

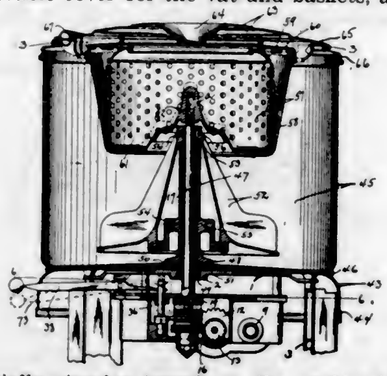


In a locking device, the combination of a bearing and a cap therefor, semi-cylindrical liner sections in the bearing sections seated in contacting relationship at their longitudinal edges and having registering slots in their adjacent surfaces, shims between the bearing and the cap, and projections on the shims extending into the slots to lock the liner sections against rotary and endwise movement with respect to the bearing.

1,981,501
COMBINED CLOTHES WASHER AND DRIER
Peter E. Geldhof, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 11, 1930, Serial No. 501,570
2 Claims. (Cl. 210—76)

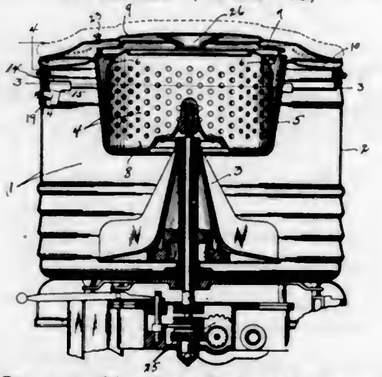
1. In a device of the class described, a vat, a revoluble imperforate basket in the vat having

a plurality of circumferentially spaced apertures in the upper end thereof, a perforate basket in the imperforate basket co-axial therewith and secured thereto for simultaneous movement, a removable cover for the vat and baskets, a sub-



stantially circular trough on the under side of the cover in spaced relation to the imperforate basket and having one edge beneath the apertures in such basket, an upwardly and outwardly extending discharge orifice for the trough, and means for rotating the baskets.

1,981,502
EXTRACTOR
Peter E. Geldhof and Walter A. Papworth, Syracuse, N. Y., assignors to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application February 25, 1931, Serial No. 518,156
13 Claims. (Cl. 210—75)



12. In a combined washing and drying machine, a container, a drying extractor within said container, means for operating said drying extractor, a cover for said container, fluid-conveying means on the undersurface of said cover, and means whereby, upon manual movement of said cover to another position on said container, said fluid-conveying means is rendered ineffective to receive fluid discharged from said extractor.

1,981,503
APPARATUS FOR BANDING SLICED BREAD
Gustav C. Goeckeler, Jr., Columbia, Ill.
Application October 6, 1932, Serial No. 636,524
12 Claims. (Cl. 93—2)

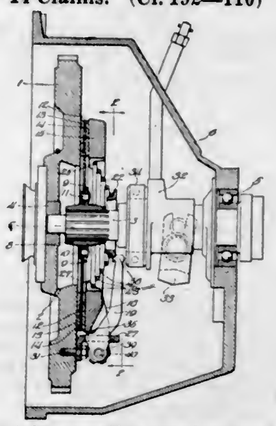
1. An apparatus of the character described comprising a support, a pair of spaced supporting members mounted on said support and having spaces adapted to receive a band extending lon-

gitudinally above said support, and an alining member mounted longitudinally upon and ex-



tending above said support at right angles to said supporting members.

1,981,504
ADJUSTABLE CLUTCH MECHANISM
George I. Goodwin, Detroit, Mich.
Application June 20, 1931, Serial No. 545,723
14 Claims. (Cl. 192—110)

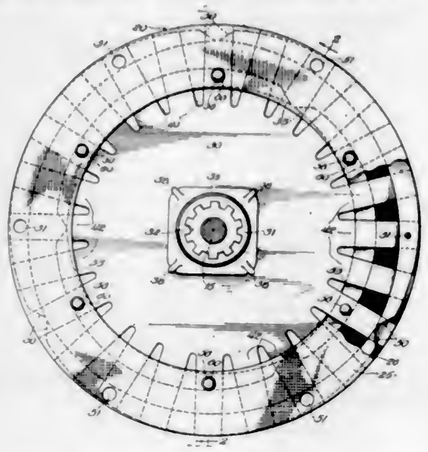


1. In a clutch operating mechanism for a non-adjustable clutch, a plurality of levers, means for actuating said levers to effect clutch engagement, operating means for actuating said levers to effect clutch disengagement, and means movable only during assembly of the clutch for predetermining the operation of said levers to effect parallel operation thereof, said movable means including a deformable portion adapted to be disposed during assembly of the clutch for locking said movable means in position to permanently retain said predetermined operation of the levers.

1,981,505
CLUTCH
George I. Goodwin, Detroit, Mich.
Application September 11, 1931, Serial No. 562,217
13 Claims. (Cl. 192—107)

1. A clutch plate having a plurality of slots adjacent the periphery thereof and providing a plurality of flat flexible sections, and friction members connected to said sections, said friction members being continuous and one member being connected with said sections at points spaced from the points at which the other member is connected with the sections, the friction members

being spaced from the sections at other points, whereby when said friction members are pressed



together said sections are flexed out of the plane of the plate.

1,981,506
FROTH PRODUCTION AND FROTH-PRODUCING REAGENT
Mahlin S. Hansen, Indianapolis, Ind., assignor to Peter C. Reilly, Indianapolis, Ind.
No Drawing. Application October 26, 1932, Serial No. 639,740
6 Claims. (Cl. 252—9)

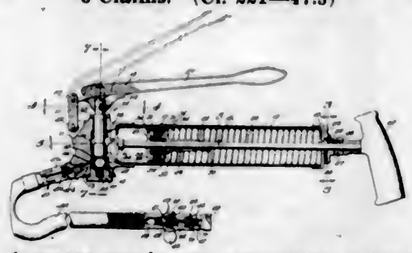
1. The process of producing froth in a liquid, which consists in mixing a gas with the liquid in the presence of a xylenol which is in the solid state at a temperature of 40° C.

1,981,507
PORTABLE GREASE PUMP
Cleo Harris and Clyde G. Butler, Cincinnati, Ohio, assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application July 27, 1931, Serial No. 553,297
25 Claims. (Cl. 221—95)



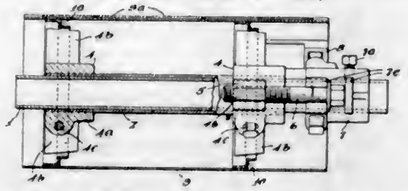
11. In combination with a pumping cylinder and a pumping piston, including, valve controlled inlet and outlet ports for the intake and discharge strokes of the piston respectively; an expansible split band disposed within the cylinder circumferentially thereof and below the range of the piston, said split band having one end attached to the cylinder wall and having its opposite end normally spaced from the wall of the cylinder, and said cylinder including a by-pass opening disposed adjacent the spaced end of the split band, whereby said split band is adapted under normal pumping of grease under pressure to spring outwardly and to be engaged against the cylinder wall about the opening for closing the opening, but permits air to pass out through the by-pass opening without expansion.

1,981,508
GREASE DISCHARGE DEVICE
Cleo Harris, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application November 29, 1932, Serial No. 644,844
3 Claims. (Cl. 221—47.3)



1. A grease supply gun, comprising, a head including a chamber, a headed cylinder mounted in a bore of the head and across the chamber and having its head engaged on the shoulder of a counterbore in the head, said cylinder including a passageway communicating with the chamber, a longitudinally slotted valve carrier and cylinder retainer element screwed against the head of said cylinder, a ball valve mounted in said element, a spring urging the ball valve against the lower end of said cylinder, a discharge conduit extending from the counterbore, a piston inserted in said cylinder from above, a packing gland screwed into the bore and about the upper extended end of the piston, a hand lever pivoted at the forward end of the head and pivotally connected to the upper end of the piston, a supply barrel connected to said head, and a follower piston forcing the grease into the chamber of the head, said hand lever disposed above and along the barrel.

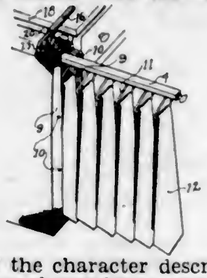
1,981,509
CLOTH MEASURING DRUM
John W. Hogue, Springfield, Vt., assignor to Parks & Woolson Machine Company, Springfield, Vt., a corporation of Vermont
Application February 7, 1930, Serial No. 426,575
7 Claims. (Cl. 33—129)



6. A cloth measuring drum embracing in combination a central shaft, plural spiders axially adjustable along said shaft having frusto-conical peripheral faces concentric with said shaft, a peripheral expansible and contractible shell comprising a sheet of metal bent into cylindrical form and anchored against movement axially of said shaft, reenforcing split rings attached to the inside surface of said shell and forming an intermediate support between said spiders and said shell whereby the axial adjustment of the spiders acts to expand or to contract the shell while preserving the cylindrical contour thereof.

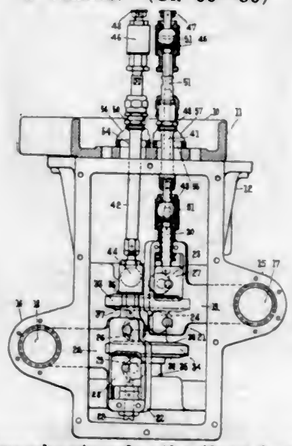
7. A peripheral contractible and expansible shell for a cloth measuring machine embracing a metallic sheet bent into cylindrical form and having its opposite end portions provided, respectively, with longitudinal slits forming circumferentially extending tongues and with transverse tongue-receiving slots to permit said ends being lapped by each other to lie inside the respective subtending portions of the cylindrical shell, thereby avoiding any external ridge or projection on the outside of said shell beyond the outer cylindrical surface of the shell.

1,981,510
SANITARY TIE RACK
Mabel T. Jones, Detroit, Mich.
Application April 20, 1933, Serial No. 667,035
1 Claim. (Cl. 312—3)



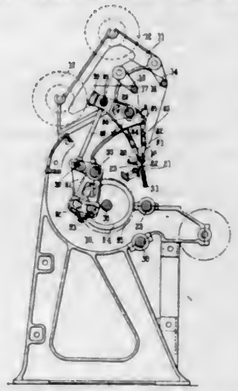
A device of the character described including a pair of channel members secured together to form a guide, a frame attached to said members, an enclosure mounted on said frame, said enclosure having means of access thereto, a slidable support carried by said members and adapted to project through the means of access to said enclosure, and a clamp-like clip extending through the upper part of said enclosure engaging said members and adapted to secure itself to a supporting structure for the purpose of supporting said guide with said enclosure surrounding the same.

1,981,511
MECHANISM FOR EFFECTING THE LAPPING MOVEMENT OF THE THREAD-GUIDES OF WARP KNITTING MACHINES
Edward Kinsella, John Gordon Pratt, and Bernard Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 26, 1932, Serial No. 639,631
In Great Britain November 3, 1931
8 Claims. (Cl. 66—86)



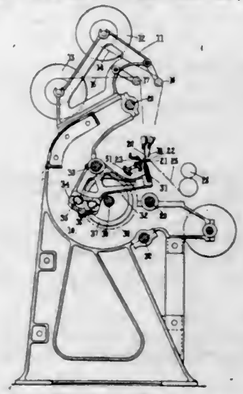
1. Cam mechanism for the thread guide series of a warp knitting machine, said mechanism comprising a cam shaft substantially parallel to the line of the guide series, two cam followers connected to the guides, and a circular cam member on said cam shaft having two cam surfaces adapted to propel said cam followers in opposite directions substantially in the line of the guide series, and to effect the reversal of motion substantially without back lash.

1,981,512
MECHANISM FOR EFFECTING THE BETWEEN-NEEDLE MOVEMENTS OF THREAD GUIDES IN WARP-KNITTING MACHINES
Edward Kinsella, John Gordon Pratt, and Bernard Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 26, 1932, Serial No. 639,633
In Great Britain November 3, 1931
17 Claims. (Cl. 66—86)



1. In a warp-knitting machine, a thread-guide bar, operating means therefor, means adapted to balance said guide bar, and operating means adapted to impart to said balancing means such movements of opposite sense to those of the guide bar that the guide bar and the balancing means produce forces which substantially neutralize each other.

1,981,513
KNITTING MECHANISM
Edward Kinsella, John Gordon Pratt, and Bernard Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 26, 1932, Serial No. 639,638
In Great Britain November 3, 1931
17 Claims. (Cl. 66—86)



1. A warp knitting machine comprising knitting elements, balancing elements auxiliary thereto, means for actuating said knitting elements, and means for actuating said auxiliary elements in synchronism with but in the opposite sense to said knitting elements, the mass of the auxiliary elements in relation to the mass of the corresponding knitting elements being such that the auxiliary elements and the knit-

ting elements require substantially equal driving forces, and the driving means for the auxiliary elements being so disposed with relation to those of the knitting elements that the driving forces substantially oppose each other so that vibrational forces resulting from the driving of the knitting elements are substantially neutralized.

1,981,514
PROCESS FOR THE PRODUCTION OF PRESS-MOLDING MASSES BY CONDENSATION OF PHENOLS WITH FORMALDEHYDE OR SUBSTANCES THAT YIELD FORMALDEHYDE

Max Koebner, Ludwigshafen-on-the-Rhine, Germany, assignor to F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Germany, a firm of Germany

No Drawing. Application February 24, 1933, Serial No. 658,434. In Germany February 27, 1932

6 Claims. (Cl. 260—4)

1. A process for the production of press-molding masses by condensation of phenols with formaldehyde, comprising condensing the initial substances, in such proportions that more than 1½ molecules of methylene groups are employed to 1 molecule of phenol, into a fusible resin, hardening said fusible resin in layers which do not exceed 10 centimeters in thickness at a temperature ranging from about 50° to about 70° C., with supervision of the progress of the hardening until the solidified resin gives a powder that does not sinter at about 70 to 100° C., pulverizing the hardened resin, and freeing the powder from volatile substances.

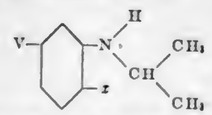
1,981,515
INTERMEDIATES FOR RHODAMINE DYESTUFFS

Lucas P. Kyrides, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 1, 1928, Serial No. 323,187

13 Claims. (Cl. 260—128)

1. An isopropylamino benzene compound having the general formula:



wherein x represents hydrogen or an alkyl group, and V represents an —OH group, an —SO_3H group, or an alkali metal salt of a sulfonic acid group.

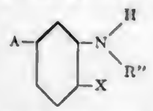
1,981,516
INTERMEDIATES FOR SECONDARY ALKYLATED RHODAMINE DYES

Lucas P. Kyrides, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 1, 1928, Serial No. 323,191

20 Claims. (Cl. 260—128)

2. A mono-secondary-aralkyl amino aromatic compound having the general formula:



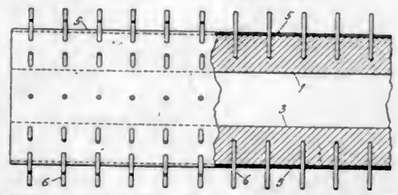
wherein X represents hydrogen or an alkyl group, R'' represents a secondary alkyl hydrocarbon radical having more than three carbon atoms, and A represents hydrogen, an -OH group, an -SO_3H group, or an alkali metal salt of a sulfonic acid group.

1,981,517
PIN ROLLER FOR TOBACCO FEEDS

James W. Leary, Bloomfield, N. J., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application October 26, 1933, Serial No. 695,345

1 Claim. (Cl. 131—39)



A picker roll comprising a wooden roller, a perforated metal tube enclosing and closely fitting the wooden roller to prevent warping thereof, and picker pins driven through the perforations of the metal tube into the wooden roller, said wooden roller being built up of tapered staves assembled in wedging relation with one another.

1,981,518
CONTAINER

Chester M. MacChesney, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application November 7, 1932, Serial No. 641,568

7 Claims. (Cl. 217—89)



1. The combination in a container, of a vessel, a rim surrounding the upper part of said vessel and having longitudinal slits therein, and a cover seated on said vessel, said rim having parts above said slits bent inwardly over said cover.

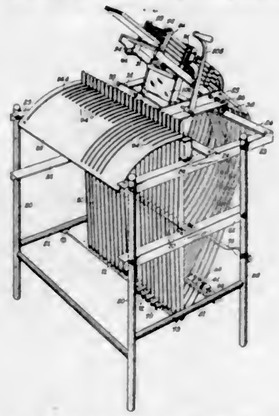
1,981,519
PRINTING DEVICE

William H. Macdonald, Passaic, N. J.

Application February 7, 1933, Serial No. 655,569

44 Claims. (Cl. 101—93)

1. A printing machine having a pair of aligned stacks of type carriers forming a type-storage magazine and a type-receiving magazine respectively, each type carrier having parallel channels adapted to receive rows of type, means for selectively advancing the rows of type in the various channels from the type-storage magazine into the type-receiving magazine, means for separating the type-receiving magazine from the



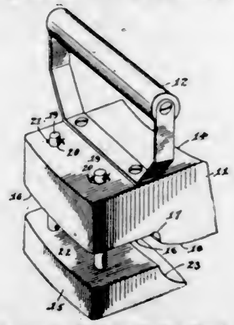
type-storage magazine to expose the faces of certain type in one of said magazines, and printing means cooperating with the exposed type faces.

1,981,520
HATTER'S IRON

George W. Martz, Norwalk, Conn., assignor to Hat Corporation of America, New York, N. Y., a corporation of Delaware

Application May 9, 1933, Serial No. 670,065

4 Claims. (Cl. 223—28)



1. A hatter's iron for ironing hat brims comprising a heatable ironing member having a curved side face to engage the crown of a hat and having a flat underside and an operating surface tapering into a curved under portion, an attached jaw having a flat side to engage that of the heated member and freely movable toward and from the heated manipulating member and having an operating surface corresponding in form to that of the heated member, the said flat sides when engaging forming a limited space between the operating surfaces conforming to that of the thickness of a hat brim to iron both sides thereof.

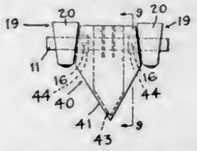
1,981,521
ARTICLE OF JEWELRY

Louis Mazer, New York, N. Y.

Application April 20, 1934, Serial No. 721,445

7 Claims. (Cl. 63—1)

1. A supporting member for a piece of jewelry, said supporting member comprising a strip having grooves on one side adjacent its ends said grooves acting to prevent longitudinal movement of ornamental clips forming part of said piece of jewelry and adapted to cooperate with said grooves, a plurality of pins on the opposite side



and means for securing said supporting member to a garment.

1,981,522
DISPERSION OF MINERAL MATTER

Oscar Frederick Neitzke, Belmont, Mass.

No Drawing. Application March 18, 1932, Serial No. 599,850

2 Claims. (Cl. 134—1)

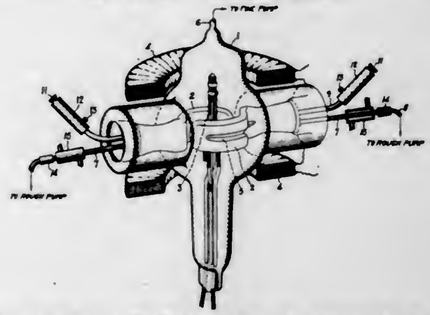
1. The process of forming an aqueous dispersion of asphalt comprising intimately mixing therewith from 2% to 5% of stearin pitch having a relatively high saponification value and thereafter dispersing said mixture, while heated, in a dilute aqueous solution of a non-stabilizing alkali, and forming through the reaction of said pitch and alkali reaction products constituting the essential stabilizing elements of the dispersion.

1,981,523
METHOD OF EXHAUST AND APPARATUS THEREFOR

Henry J. Nolte, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

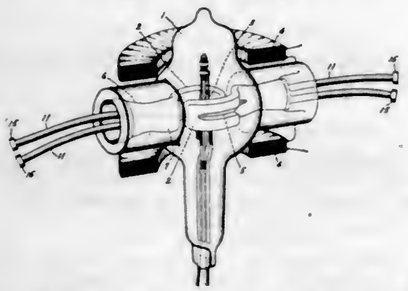
Application April 14, 1930, Serial No. 444,082

1 Claim. (Cl. 250—27.5)



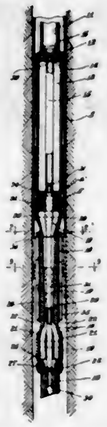
An electric discharge device comprising an envelope adapted to be hermetically sealed and containing a hollow electrode from which the occluded gases are to be removed, said electrode being constituted of relatively thin metal and having a circular configuration which tends to straighten out when the electrode is heated and when subjected to considerably greater pressure in the interior than on the exterior thereof, said electrode being adapted to be heated to a temperature sufficiently high to facilitate the removal of the occluded gases, means for evacuating the interior of the envelope and simultaneously-operating means for evacuating the interior of the hollow electrode whereby the pressure on opposite sides of the electrode are substantially equalized, and whereby the normal configuration of the electrode is maintained under heated conditions, said last mentioned means including inlet and outlet conduits which communicate with individual portions of the electrode interior, the inlet conduit being closed except for a small opening and the outlet being cooled by a fluid jacket.

1,981,524
ELECTRIC DISCHARGE APPARATUS
Henry J. Nolte and Elmer D. McArthur, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 3, 1931, Serial No. 554,708
1 Claim. (Cl. 250—27.5)



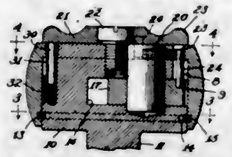
An electric discharge apparatus comprising an envelope containing a plurality of electrodes, one of which is hollow and is adapted to be cooled by an externally supplied fluid, said one electrode being positioned wholly within the envelope and secured thereto by a seal, a plate positioned within the electrode interior remote from the seal, means for conveying fluid to said electrode without imparting appreciable strain to the seal, said means comprising a flexible metal conduit secured to said plate.

1,981,525
METHOD OF AND APPARATUS FOR DRILLING OIL WELLS
Bailey E. Price, Dallas, Tex.
Application December 5, 1933, Serial No. 700,970
11 Claims. (Cl. 166—4)



1. The herein described method of drilling oil wells which consists in progressively advancing a collapsed casing length into the bore simultaneously with, and adjacent, the drill, whereby a temporary casing of a diameter less than, and for a progresisvely increasing length of, the bore, is provided adjacent the drill, maintaining a circulation of water into and from the bore and about said casing length, stopping the drilling operation, interrupting the circulation of water, and expanding the casing length to provide a permanent casing for a length of bore, immediately following the completion of the drilling operation.

1,981,526
RATCHET WRENCH
Theodore O. Rueb, Chicago, Ill., assignor to Sherman-Klove Company, Chicago, Ill., a corporation of Delaware
Application December 7, 1933, Serial No. 701,261
5 Claims. (Cl. 81—63)



1. In a ratchet wrench, the combination of a barrel having inwardly projecting teeth therein, a head rotatably mounted in the barrel, a pawl pivotally mounted in the head and having oppositely disposed engaging portions for engagement with the teeth whereby the head may be turned in opposite directions, a pin projecting from the pawl, an operating disc rotatably mounted on the head, pins projecting from said disc, springs interposed between the last named pins and the first named pin, and a spring plunger mounted in the head and engaging with the disc for holding it in adjusted position.

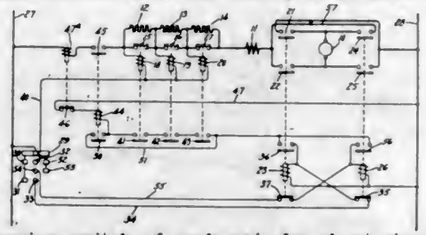
1,981,527
DISPLAY FORM
Felix Schlag and Albert Fuggiti, Chicago, Ill.
Application May 25, 1931, Serial No. 539,965
2 Claims. (Cl. 223—18.3)



1. In a device of the class described, in combination, including a base having a recess in the upper face thereof, a plate mounted in said recess, a solid rubber hand mounted on said plate, having resilient reinforcing members, said resilient members being arranged in the fingers of said hand and extending beyond the wrist portion of said hand, said plate having a plurality of openings therein adapted to receive the extending portions of said resilient members.

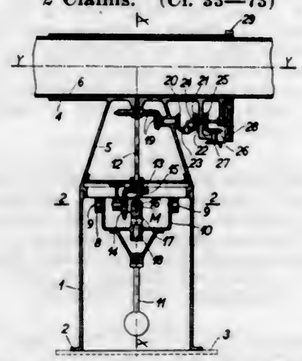
1,981,528
SYSTEM OF MOTOR CONTROL
George B. Starie, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 19, 1932, Serial No. 643,413
4 Claims. (Cl. 172—288)

3. The combination with a motor, of a starting resistance therefor, a plurality of normally closed accelerating switches for respectively short circuiting sections of said resistance, an operating winding for each of said switches arranged when short circuited to give a predetermined time interval in the closing of its respective switch, two pairs of reversing switches for said motor, manually operated switching means for selectively controlling the closing of at least one reversing switch of each pair for forward or reverse operation of said motor, means controlled by the closing of at least one



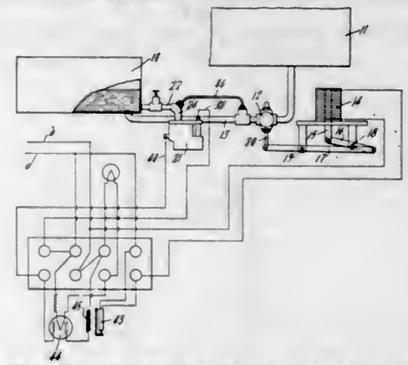
reversing switch of each pair for short circuiting the winding of one of said accelerating switches whereby said accelerating switch closes after a predetermined time interval, and connections for the winding of another of said accelerating switches whereby said winding is short circuited by the closing of said first accelerating switch.

1,981,529
STABILIZED RANGE FINDER
Adolf Steinle and Otto Schreiber, Jena, Germany, assignors to firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco," Venlo, Netherlands
Application September 30, 1932, Serial No. 635,616
In Germany September 25, 1931
2 Claims. (Cl. 33—73)



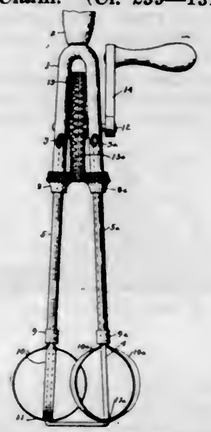
1. A rangefinder, means for mounting the rangefinder upon a support fixed on board ship, these means comprising a frame disposed on this support and rotating about an axis (azimuthal axis) approximately at right angles to the deck of the ship, the rangefinder being disposed in this frame and rotating about an axis (elevational axis) approximately parallel to the deck of the ship, a body cardanically so mounted upon this support that the cardan centre lies in the said azimuthal axis, a coupling piece so mounted upon this body as to be rotatable about an axis traversing the said cardan centre, means for so stabilizing the said body that the axis of rotation of the said coupling piece remains vertical in spite of oscillations of the ship, these stabilizing means being stationary with respect to rotations of the rangefinder relative to the said support, means for so coupling the rangefinder to the said body that those oscillations of the ship which may cause a rotation of the said support relative to the body about an axis parallel to the elevational axis of the rangefinder impart to the rangefinder a rotation about this axis, these coupling means comprising a wheel gear, one member of the wheel gear being disposed at the said frame and rotating about an axis parallel to the said elevational axis and traversing the said cardan centre, and another member being fixed to the rangefinder, the first said member being coupled to the said coupling piece.

1,981,530
LEVEL REGULATOR FOR VISCOUS LIQUIDS
William Thomas, Bogota, N. J., assignor to Pneumercator Company, New York, N. Y., a corporation of Maine
Application October 31, 1932, Serial No. 640,498
5 Claims. (Cl. 137—68)



1. In a liquid level regulator, the combination with a liquid recipient and a conduit for conveying liquid to said recipient, of a primary pressure operated regulator, a pipe connecting said recipient and regulator and having a bend adjacent to the latter, a branch connection leading from said conduit to said pipe and opening through the convex side of said bend in a jet orifice.

1,981,531
BEATER
Kenneth B. Van Woert, Santa Clara County, Calif.
Application April 7, 1933, Serial No. 664,944
1 Claim. (Cl. 259—131)



A beater of the character described comprising, a U shaped handle carrying frame, a second U shaped beater blade carrying member having its two ends fixedly mounted in the ends of the first member, a double faced gear mounted

in the first member and operating means therefor, a tube rotatably mounted on each leg of the second member, a pinion mounted on each tube in mesh with said gear, each tube having the end remote from the pinion enlarged, a beater blade assembly having its end inserted within the enlarged end of the adjacent tube, and a bushing inserted in the enlarged end of each tube to secure the beater blades fixedly in position, to form a closure for the tube, and to form a bearing therefor, and a bushing inserted in the other end of each tube to form a bearing therefor.

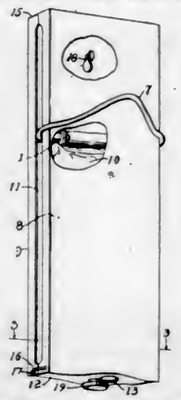
1,981,532

MEANS FOR DISPENSING THE CONTENTS OF COLLAPSIBLE TUBES

Kenneth B. Van Woert, Jr., Santa Clara County, Calif.

Application February 28, 1934, Serial No. 713,313

2 Claims. (Cl. 221—60)



1. In combination, a rod having means engageable with the closed end of a paste tube, a resilient lever having its ends journaled in the ends of the rod, and a ratchet inserted between each end of the rod and the corresponding end of the lever whereby a rotary movement in one direction may be imparted to the rod by the lever.

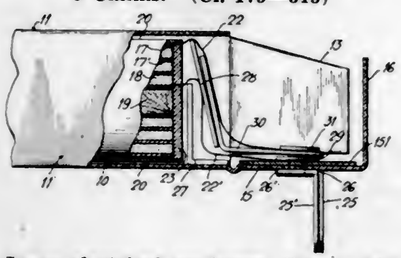
1,981,533

ELECTRIC CONDENSER

Joseph Senn Williams, Indianapolis, Ind., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana

Application September 19, 1932, Serial No. 633,734

9 Claims. (Cl. 175—315)



1. In an electrical condenser, the combination with a body provided with flexible terminal conducting strips, of a prismatic insulating envelope having foldable flaps at the ends for totally enclosing said body, and terminal connections mounted on the exterior of one of said flaps electrically connected to said strips on the interior of said envelope.

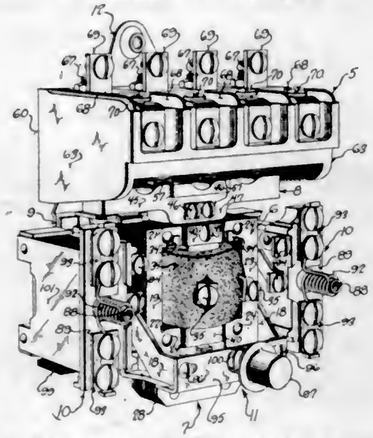
1,981,534

ELECTRIC SWITCH

Gustav O. Wilms and Albert J. Dawe, Milwaukee, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 10, 1934, Serial No. 710,656

27 Claims. (Cl. 200—111)



1. An electromagnetically operated switch comprising, an electromagnet having a laminated field piece, an operating coil mounted within the field piece, an armature guided for axial sliding movement in a fixed path through the field piece and the operating coil, a movable contactor carried by the armature to be movable therewith, a stationary contact, a member to which the stationary contact is rigidly attached, and a rigid support to which the field piece is directly and permanently fixed and to which said member is directly securable in a predetermined position with respect to the field piece so that the contact carried thereby is automatically aligned with the contactor upon the attachment of said member to the rigid support.

1,981,535

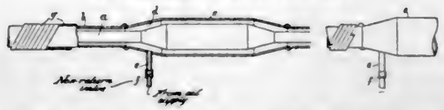
OIL-FILLED HIGH VOLTAGE CABLE

Georg Zapf, Cologne, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany

Application August 8, 1930, Serial No. 473,969

In Germany August 20, 1929

3 Claims. (Cl. 173—264)



1. A high tension cable installation comprising in combination an oil-filled high tension cable, oil storing means and pipes connecting said oil storing means with the oil-filled cable to maintain the oil supply in said cable, non-return valves in all of said pipes preventing an outward flow of oil so that on an increase of temperature in the cable the pressure is increased.

1,981,536

HIGH TENSION ELECTRIC CABLE

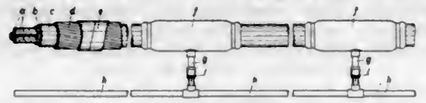
Georg Zapf, Cologne, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany

Application March 25, 1931, Serial No. 525,300

In Germany April 14, 1930

1 Claim. (Cl. 173—264)

Oil-filled cable installation comprising a multicore electric cable in which the free spaces between the individual cores are substantially filled with oil, an oil pipe running parallel to the said cable and consisting of a flexible armoured lead pipe, and short transverse pipe connections at intervals between the said lead pipe and the said



free spaces in the cable and constituting the only means for feeding additional oil to said cable, said transverse pipe connections having non-return valves therein to prevent the return flow of oil from said cable upon expansion of said oil due to increase in temperature thereof.

1,981,537

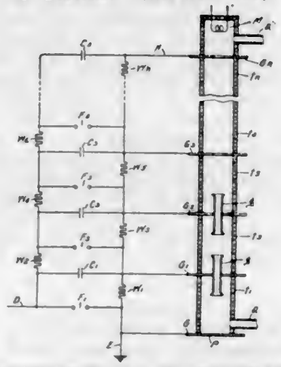
HIGH VOLTAGE DISCHARGE TUBE AND CIRCUITS THEREFOR

Thomas Edward Allibone, Sale, England, assignor to General Electric Company, a corporation of New York

Application May 15, 1933, Serial No. 671,288

In Great Britain May 20, 1932

6 Claims. (Cl. 250—36)



1. In combination, an electric discharge tube comprising an envelope containing a cathode and electrodes spaced along the envelope, circuits connected to said electrodes, said circuits including a plurality of electrical sections, each containing a spark gap and a resistance.

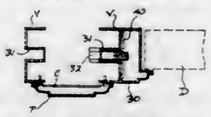
1,981,538

ADJUSTABLE DOOR UNIT FOR SECTIONAL PARTITIONS

Thomas V. Balch, Shaker Heights, and John A. Bohnsack, Cleveland Heights, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio

Application December 2, 1930, Serial No. 499,496

11 Claims. (Cl. 189—34)



2. In partition construction, a door section comprising support members elevated with respect to the floor; a strike frame carried by such members and vertically adjustable with respect thereto; a panel member above such strike frame and also carried by such support members; and an overlapping member connecting such panel member and such strike frame and permitting relative motion therebetween.

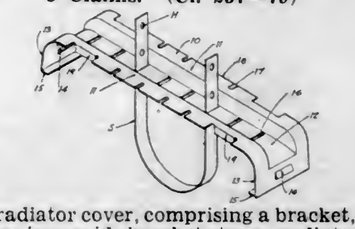
1,981,539

RADIATOR SHIELD AND BRACKET

Thomas V. Balch, Shaker Heights, Ohio, assignor to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio

Application October 26, 1931, Serial No. 571,021

5 Claims. (Cl. 237—79)



1. A radiator cover, comprising a bracket, means for securing said bracket to a radiator, said bracket being adapted to sit transversely of said radiator, in a plurality of positions with respect to such radiator and having a series of holes spaced longitudinally of said bracket, said means including a strap adapted to be looped through the radiator and passed through any two of such holes as required to position the bracket securely with respect to the radiator; a screw for tightening such strap into clamping position with respect to said bracket and radiator, a shield disposed over said bracket and means for holding the shield to the bracket.

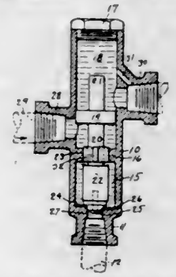
1,981,540

PRIMER VALVE FOR FLOOR DRAINS

Charles W. Bale, Portland, Oreg., assignor to Harry W. Klosterman, Portland, Oreg.

Application January 29, 1934, Serial No. 708,836

4 Claims. (Cl. 182—12)



1. A primer valve having a body containing a cylindrical recess having inlet and outlet connections, a measuring reservoir associated with said cylindrical recess communicating therewith and having an outlet opening through which water may be delivered to a drain trap, valve means for controlling the admission of water to and escape from said reservoir, and a piston within said cylinder actuated by the passage of water therethrough and having a connection to said valve means whereby a measured quantity of water will be released from said reservoir each time water is permitted to flow through said cylinder.

1,981,541

PIN LOCK

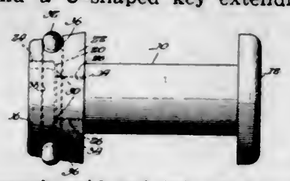
John O'Fallon Clark, University City, Mo., assignor to American Manganese Steel Company, Chicago Heights, Ill., a corporation of Maine

Application December 15, 1933, Serial No. 702,437

4 Claims. (Cl. 85—8)

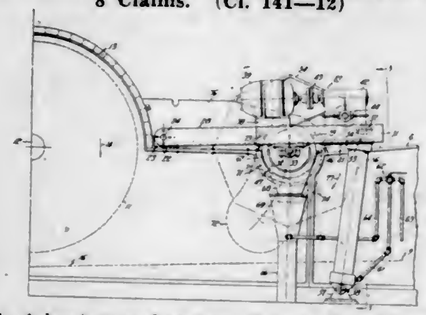
1. In combination, a pin, a nut adapted to fit on said pin in one position and to be partially rotated to its locked position, cooperating shoul-

ders on said pin and nut adapted to be brought into engagement by the relative rotation between said pin and nut, said pin having flat faces formed thereon and a U-shaped key extending trans-



versely through said nut into engagement with the flat faces of said pin to prevent relative rotation between said pin and nut, the free ends of said key being bent towards each other to prevent displacement of said key.

1,981,542
BEATER WASHER
Waldo E. Dodge, Longview, Wash.
Application June 13, 1932, Serial No. 616,913
8 Claims. (Cl. 141—12)



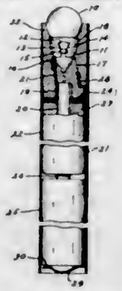
1. A beater washer comprising a tub including a wall having a cut out portion, a frame, means for movably mounting said frame on said tub, a washer on said frame, means for moving said frame between a first position in which said washer is in said tub and a second position in which said washer is out of said tub, a goose-neck on said washer for conducting fluid therefrom and adapted in said first position to occupy said cut out portion, and means connected to said frame for filling said cut out portion when said frame is in said second position.

1,981,543
CURTAIN SUPPORT
George W. Dover, Cranston, R. I., assignor to Dovercraft Company, Inc., Providence, R. I., a corporation of Rhode Island
Application April 1, 1932, Serial No. 602,501
9 Claims. (Cl. 156—22)



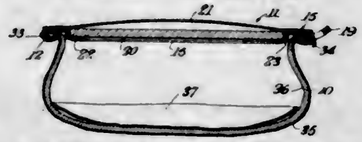
1. In a curtain support, a bracket member provided with spaced portions having registering openings forming bearings, said bearings being off-set from each other laterally of the bracket, and frame engaging portions carried by said bracket member for attachment to a window frame, one of said frame engaging portions being provided with a slot for adjusting the bracket horizontally relative to the frame.

1,981,544
FLASH LIGHT DEVICE
Theodore W. Frech, Shaker Heights, John T. Fagan, Cleveland Heights, John F. Donovan, East Cleveland, and Elmer B. Isaac, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application November 30, 1932, Serial No. 645,002
4 Claims. (Cl. 240—10.61)



1. In a flashlight, the combination of an electric lamp having a bulb comprising a neck portion, a light source in said bulb, and a pair of leading-in wires extending externally of said bulb, a dry battery comprising a positive and a negative electrode, a metal terminal member comprising an upper collar portion adapted to receive the said neck portion of said lamp, a lower portion shaped to fit with a portion of one of said electrodes of said battery, and an intermediate body portion connecting said upper and lower portions, one of said leading-in wires of said lamp being electrically connected to said terminal member, and a switch comprising a metal strip connected at one end to the second leading-in wire of said lamp and adapted to make contact with the second electrode of said battery.

1,981,545
POWDER PUFF POUCH
Emanuel Hammerling, New York, N. Y., assignor to The Powder Puff Pouch Co., New York, N. Y.
Application July 14, 1932, Serial No. 622,465
4 Claims. (Cl. 132—83)

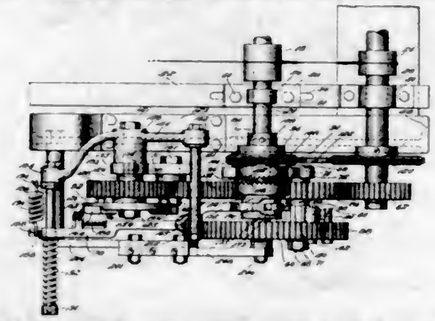


1. In a powder puff pouch, a pouch cover, comprising a retainer ring and a cover frame, a cover top insertable at the top surface of said frame the outside dimension of the surface of the cover top being less than the inside diameter of the retainer ring.

1,981,546
SLUB YARN PRODUCING ATTACHMENT FOR SPINNING FRAMES
Albert Hartley, Bristol, R. I., assignor to Collins & Aikman Corporation, New York, N. Y., a corporation of Delaware
Application January 24, 1934, Serial No. 708,122
22 Claims. (Cl. 117—22)

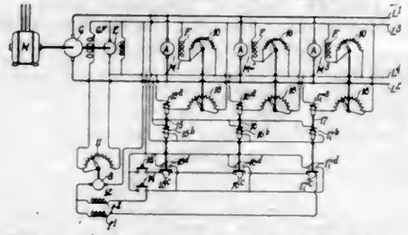
1. A slub yarn producing attachment for spinning frames having a front roll drive shaft, a back roll drive shaft and means driven by said front roll drive shaft to continuously drive said back roll drive shaft changeable to selectively vary the relative speed of said back roll drive

shaft and having a continuously active one way clutch therein to permit over-running of one of said drive shafts relative to the other, rotatable means, changeable means driven by said front roll drive shaft to drive said rotatable means at adjustable selectively different speeds from said back roll drive shaft, clutch means connecting said rotatable means with said back roll drive



shaft, rotatable cam means, means continuously actuated by said front roll drive shaft to rotate said cam means changeable to vary the rotative speed of said cam means, cam elements selectively adjustably mounted on said cam means and means actuated by said cam elements to selectively actuate said clutch at cam controlled intervals to selectively intermittently vary the speed of said back roll drive shaft.

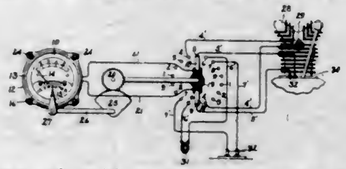
1,981,547
MOTOR CONTROL SYSTEM
Paisley B. Harwood, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 8, 1933, Serial No. 688,572
6 Claims. (Cl. 172—239)



1. The combination with a variable voltage supply circuit, of a plurality of motors each having an armature and a field winding, the armatures of said motors being connected in parallel across said supply circuit, means for energizing the field windings of said motors and for regulating the field strength of each of said motors to provide for speed variation thereof with respect to the other of said motors, means for varying the voltage of said supply circuit to effect simultaneous variation of the speed of all of said motors and means for automatically controlling said last mentioned means to prevent operation of any one of said motors above a predetermined maximum speed.

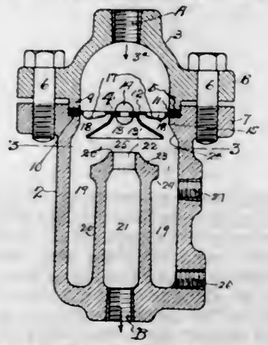
1,981,548
COMBINED ELECTRICAL INDICATING INSTRUMENT AND SELECTOR SWITCH
Edward G. Haven, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1931, Serial No. 578,014
2 Claims. (Cl. 177—311)

1. In combination, an instrument panel, an electrical measuring instrument supported by said panel, said instrument being self-compensating for changes in ambient air temperature, a switch having cooperating stationary and movable contact members, said switch being supported by said panel in a position adjacent said instrument whereby the latter and the switch are subjected to the same ambient air temperature, a plurality of responsive means connected to the stationary contact members, at



least one of said responsive means being a thermocouple, flexible ductile leads connecting the movable contact members to said instrument, said leads being suspended in space where they are subjected to substantially the same ambient air temperature as that to which said instrument and switch are subjected, and means operable from the front of said panel for operating said movable contact members.

1,981,549
SEPARATOR
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application December 16, 1931, Serial No. 581,457
2 Claims. (Cl. 183—92)

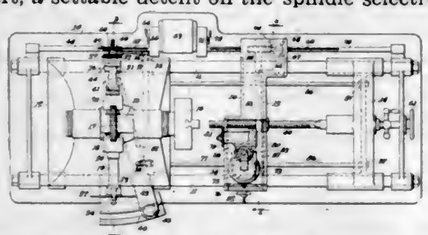


1. The herein described whirl promoting element for centrifugal separators, comprising a thin metal disk containing a circumferential series of radially extended slot-like tuyère openings and presenting respective downwardly inclined tuyère blade portions all having the same circumferential direction, in combination with a vortex defeating hollow conical member having its small end rigidly attached to the under side of said disk at the center thereof, the large end of said conical member being spaced from said under side and extending outward beneath the blade portions of the disk so that said conical member is positioned to divert outwardly, fluid streams whirling downward through said slot-like tuyères.

1,981,550
MACHINE THREAD MILLER
Andrew Haxton, Tappan, N. Y.
Application October 24, 1933, Serial No. 694,943
5 Claims. (Cl. 90—15)

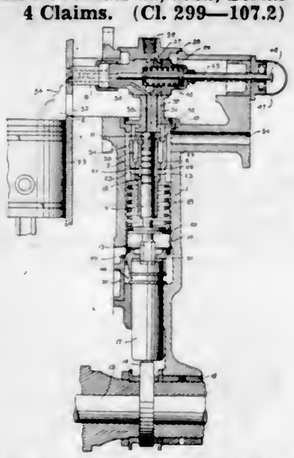
1. In a machine tool having a rotating cutter, means to progressively index a piece of work in relation to the cutter comprising a shaft, an in-

dex plate on the shaft, a spindle co-axial with the shaft, a settable detent on the spindle selectively



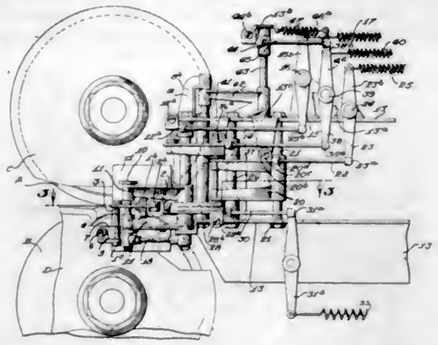
engageable with the index plate, a worm on the spindle, a worm wheel meshing with the worm and a work spindle fixed with the worm wheel.

1,981,551
HIGH PRESSURE INJECTION FUEL PUMP
John F. Hermann, Havana, Ill.
Application November 11, 1932, Serial No. 642,185
4 Claims. (Cl. 299—107.2)



2. In a high pressure injection type fuel pump having co-operative means for forcefully injecting fluid fuel into a cylinder of an internal combustion engine, the combination comprising a cylinder, a fuel intake opening and outlet opening therein, a plunger slidably movable in the cylinder and whose head reciprocates in motion between said intake and said outlet opening for the high pressure discharge of fuel therefrom; said cylinder provided with an outer annular channel and a sleeve encompassing the cylinder in a manner defining an annular fuel receiving chamber communicating with said intake opening of said cylinder, and a fuel intake connection communicating with said defined annular fuel receiving chamber; said plunger provided with a plurality of spaced annular grooves below said plunger head thereon; said cylinder provided with an inner annular channel about said plunger, and an outer annular channel communicating therewith; said sleeve provided with an inner annular channel co-registering with said outer channel of the cylinder and together defining an annular oil feed chamber; said chamber communicatively connected with a source of lubricating oil supply; a plurality of transverse passages in said cylinder and said sleeve for establishing oil communication from an outer recess of said sleeve to said inner channel of the cylinder through said oil feed chamber; whereby said annular channels and plunger may carry oil to the inner walls of said cylinder under high pressure from said source of oil supply by reciprocating motion of the plunger.

1,981,552
FISH FINAL-POSITIONING MEANS
William H. Hunt, National City, Calif.
Application October 6, 1930, Serial No. 486,545
4 Claims. (Cl. 17—3)



1. In a fish final positioning means for fish filleting machines, the combination with two pairs of cutting blades arranged above and below the line of travel of a fish through said filleting machine and adapted to slit a fish along its back and belly and on opposite sides of its back, belly and tail fins, of a pair of fish side engaging means arranged adjacent the entering edges of said cutting blades and on the outer sides thereof, and fish tail fin directing members shiftably supported by each of said fish side engaging means, said directing members arranged to overhang the entering edges of said cutting blades.

1,981,553
NECKTIE HANGER
John H. Jackson, Needham, Mass.
Application May 18, 1932, Serial No. 612,043
2 Claims. (Cl. 211—89)

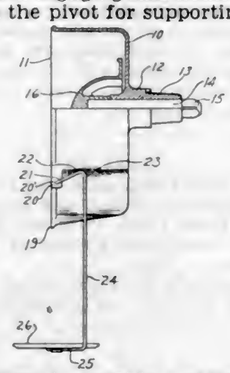


1. A necktie hanger comprising a supporting bar having a resilient cushion extending along a face thereof, and a right-angled pin having one arm thereof threaded and screwed into said support, and having its other arm disposed to be arranged to extend in juxtaposition to and approximately parallel with said cushion for gripping a necktie between it and the cushion, said last mentioned arm being adapted to be swung outwardly from the supporting bar to release the necktie.

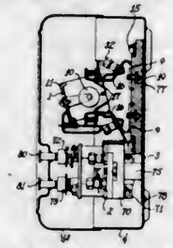
1,981,554
FRUIT JUICE EXTRACTOR
Edward S. Johnston, Troy, Ohio, assignor to The KitchenAid Manufacturing Company, a corporation of Ohio
Application August 19, 1931, Serial No. 559,672
3 Claims. (Cl. 146—3)

1. In a fruit juice extractor, a housing provided with a spout, a shaft, an extractor head mounted on the shaft, a platform beneath the housing adapted to support a container in cooperative relationship with the spout, and means pivoted in

said housing and engaging said housing at a point removed from the pivot for supporting and bracing said platform to provide a strong and rigid support therefor.

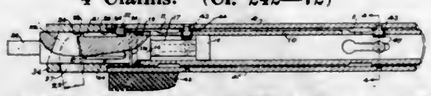


1,981,555
ELECTRIC CONTROL DEVICE
Clarence W. Kuhn, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 19, 1929, Serial No. 387,028
5 Claims. (Cl. 200—87)



1. A switch including a supporting panel, cooperating pairs of stationary contact elements mounted on the front of said panel, a pivoted insulating cross bar mounted on said panel and having a plurality of projecting barriers arranged on opposite sides of each pair of stationary contact elements and a plurality of bridging contacts carried by said bar each of said bridging contacts being mounted between a pair of barriers on said cross bar and being adapted to bridge a pair of said stationary contact elements.

1,981,556
COLLAPSIBLE WINDER SHAFT
Frank E. Langdon, Vancouver, Wash.
Application June 6, 1932, Serial No. 615,669
4 Claims. (Cl. 242—72)

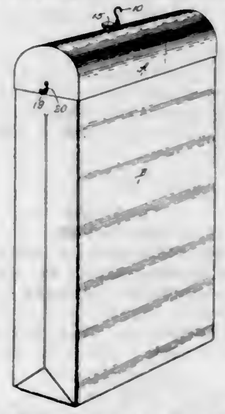


4. A collapsible winder shaft having a tubular inner sleeve forming an arbor and characterized by having circumferential grooves formed along the length thereof, one corresponding edge of all of said grooves inclining with relation to the axis of the sleeve, three separate transversely arcuate jaws enclosing said tube along its entire length, each of said jaws having inner ribs secured thereto each of which extends transversely of the jaw and adapted to register with the respective sleeve grooves for the purpose of permitting the attached jaw to move radially toward the axis of the sleeve, a spring for urging all of said jaws in a direction which will cause said ribs to ride up the inclined edges of the grooves onto the outer cylindrical circumference of the sleeve for the purpose of locking the jaws in an expanded position.

1,981,557
METHOD OF TREATING WHEAT
Walter W. Lehman, Council Bluffs, Iowa
No Drawing. Application February 20, 1932, Serial No. 594,397
1 Claim. (Cl. 83—28)

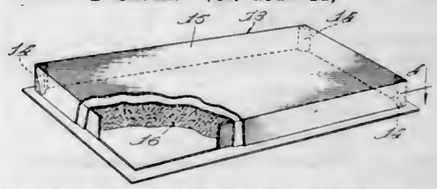
The method of removing smut from wheat being prepared for milling purposes, which consists of the application to said wheat of a dry mixture of powdered silt-loam, bicarbonate of soda, wheat straw, and alfalfa, allowing said mixture to absorb the moisture in said smut and dry on said wheat, and the removal of said dry mixture and dry smut therefrom.

1,981,558
MOTH BAG
Earl A. Lewis, Chicago, Ill.
Application February 23, 1933, Serial No. 658,188
11 Claims. (Cl. 206—10)



1. A moth bag, including: a substantially gas-tight cover with a rigid edge; means for suspending said cover from a support; means attached to the underside of the cover for supporting clothing; means attached to the underside of the cover for containing a volatile substance, said means permitting the escape of gases from said substance; a bag with a rigid upper edge adapted to cooperate with the edge of the cover to form a substantially gas-tight joint; and means for detachably securing the upper edge of the bag to the edge of the cover.

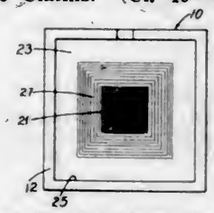
1,981,559
INSULATED STRUCTURE
Harvey B. Lindsay, Evanston, Ill., assignor to Dry Zero Corporation, Chicago, Ill., a corporation of Delaware
Application July 28, 1932, Serial No. 625,495
1 Claim. (Cl. 154—44)



A weight-bearing insulating unit comprising: a relatively soft mass of insulating material; an enclosing structure therefor having relatively slight weight-bearing strength to resist collapse;

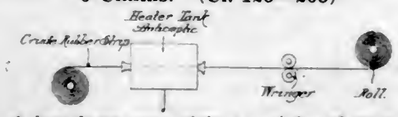
and weight-bearing blocks of material having the non-heat-conducting and compression-resisting characteristics of wood, located at and confined substantially to the vertical angles of the unit; the unit being thus adapted to support the weight of a refrigerator liner without collapse.

1,981,560
METHOD AND APPARATUS FOR COOLING GLASS
Jesse T. Littleton, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 27, 1933, Serial No. 658,853
2 Claims. (Cl. 49—45)



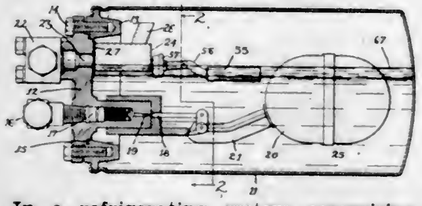
1. An apparatus for tempering glass articles which includes a tempering element the surface of which is blackened in selected areas and polished in other areas, the degree of blackness of the blackened areas decreasing toward adjacent polished areas.

1,981,561
BANDAGE
William D. Lloyd, Chicago, Ill., assignor, by direct and mesne assignments, to National Super Products Corporation, Chicago, Ill., a corporation of Illinois
Application January 14, 1933, Serial No. 651,825
6 Claims. (Cl. 128—268)



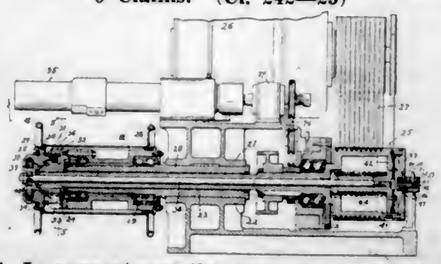
1. A bandage comprising a strip of unvulcanized and partially depolymerized crude rubber having elastic extensibility and being tenaciously cohesive, said strip having a porous interior containing an antiseptic and having its outer surfaces closed to provide a substantially imperforate strip.

1,981,562
REFRIGERATING APPARATUS
Hubert R. Loranger, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application October 25, 1929, Serial No. 402,403
14 Claims. (Cl. 62—126)



7. In a refrigerating system comprising an evaporator, a compressor, a suction line between the evaporator and the compressor, means for returning lubricant from the evaporator to the compressor comprising a housing inserted in said suction line and provided with a lubricant chamber communicating at its upper portion by means of the suction line with the evaporator and at its lower portion with the suction line, and means for transferring lubricant from the evaporator into said chamber.

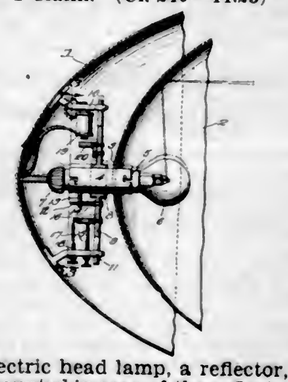
1,981,563
SPOOLING APPARATUS
Edwin J. McIlvried, Akron, and Jesse C. Bittman, Cuyahoga Falls, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application July 26, 1930, Serial No. 470,890
9 Claims. (Cl. 242—25)



1. In apparatus of the character described the combination of a spool carrier, means for rotating said carrier, switch means for controlling said rotating means, means for retaining a spool on said carrier, fluid pressure responsive means for actuating said retaining means, valve means for controlling the supply of fluid pressure for actuating said retaining means, and operating means common to said switch means and to said valve means.

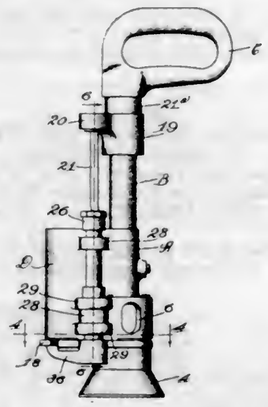
4. In apparatus of the character described the combination of an arbor adapted to receive a spool, means for retaining the spool on said arbor including an expansible abutment comprising a substantially circularly extending series of contiguous segments, said segments having recesses therein aligned to form an annular groove in said abutment, and means for moving said segments substantially radially of the arbor to thereby expand said retaining means into engagement with a spool including an actuating member having a disk-like part engaging in said annular groove.

1,981,564
HEAD LAMP
Thomas G. Melish, Cincinnati, Ohio
Application November 22, 1933, Serial No. 699,204
1 Claim. (Cl. 240—44.25)



In an electric head lamp, a reflector, a pair of brackets mounted in rear of the reflector relatively at opposite sides of the focal axis of the reflector, a lamp socket holder slidably mounted in said brackets for lateral horizontal reciprocation therein, a spring urging the holder in one direction of movement, a lamp bulb socket longitudinally adjustably mounted in said holder, adjustable means for limiting the reciprocating stroke of said holder for normally positioning the socket at the focal axis of the reflector, and power means remotely controlled for reciprocating said holder to position the socket in a lateral offset relation to the focal axis of the reflector.

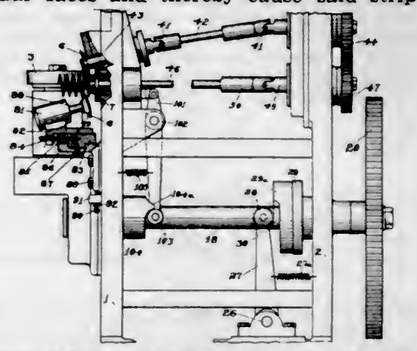
1,981,565
BOTTLE CAPPING APPARATUS
Carl Namur, Kenosha, Wis., assignor to Specialty Brass Company, Kenosha, Wis., a corporation of Wisconsin
Application January 26, 1931, Serial No. 511,373
10 Claims. (Cl. 226—92)



1. In apparatus of the character set forth, a bottle cap magazine, a hollow casing member secured thereto and provided with a channel through which bottle caps may be guided to their seats in bottles, a plunger mounted in said casing, bracket arms carried by said casing, a rotary member journaled in said bracket arms and having its lower end threaded, a feeding arm slidably mounted upon said rotary member and provided with a shoulder, a cap threadedly engaging the lower end of said tubular member and affording spring retaining shoulders, a spring resting upon the shoulders of said cap and engaging the shoulders of said feeding arm, and means associated with said plunger for actuating said rotary member.

1,981,566
MACHINE FOR COILING METAL STRIP
Michel Nigro, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a corporation of Massachusetts
Application May 4, 1931, Serial No. 534,945
7 Claims. (Cl. 153—64.5)

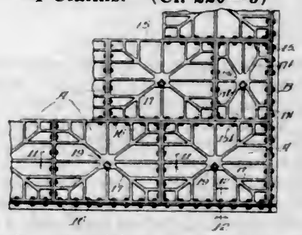
1. In a machine of the class described, the combination with a rotatable mandrel and a rotatable coiling roll, said mandrel and roll providing overlapping annular faces, and means for delivering metal strip on edge between the overlapping faces of said mandrel and roll, of a thrust bearing assembly for rotatably supporting said roll against axial movement, and means for moving said bearing assembly bodily to procure axial shifting of said roll for the purpose of varying the spacing between said overlapping annular faces and thereby cause said strip to be gripped flatwise between said roll and mandrel with a predetermined pressure.



1,981,567
PROCESS OF SHRINKING WOOD
Alfred G. Olsen, Elkhorn, Wis.
No Drawing. Application June 20, 1932, Serial No. 618,405
1 Claim. (Cl. 144—309)

The process of shrinking wood comprising the following steps: saturating the wood by immersion in a bath of hot but not boiling linseed oil containing sodium chloride; thereafter expressing the oil from the wood and collapsing its fibers by the simultaneous application of heat and of pressure applied both transversely and longitudinally of the grain of the wood; removing the heat and continuing the application of such pressure until the wood is cool; thereafter removing the wood from the pressure applying means.

1,981,568
TANK
Fred E. Owen, Chicago, Ill., assignor of one-half to Vierling Steel Works, a corporation of Illinois, and one-half to Henry Pratt Company, a corporation of Illinois, both of Chicago, Ill.
Application January 16, 1931, Serial No. 509,233
4 Claims. (Cl. 220—5)

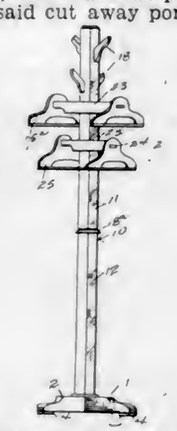


3. A tank comprising a plurality of vertical walls which are each constructed of a plurality of similar cast plates, said plates having holes formed therein for tie-rods and said holes being disposed off center with respect to the horizonal axes of the plates, and tie-rods extending through said holes.

1,981,569
GARMENT HANGER AND CLOTHES TREE
William Beekman Pope, Drewryville, Va.
Application March 7, 1932, Serial No. 597,353
3 Claims. (Cl. 211—159)

1. A knockdown garment support comprising a base and a standard rising from the base, said

standard and base being detachable from each other, a plurality of cross-pieces for the standard to receive garment hangers, said standard having portions thereof cut away on three sides to form a continuous channel about three sides of the standard; the said cross-pieces adapted to be retained in said cut away portions, and each

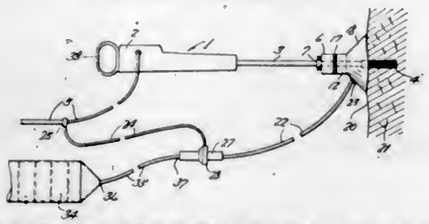


having a slot therein, the side walls and web part of which engage in the channels of the standard, and separable fasteners, one part carried by the standard and the other by the cross piece, and engaging when the cross-pieces are in operative position with respect to the standard to retain the cross pieces on the standard.

1,981,570
DUST COLLECTOR FOR DRILLS

Stanley Price, Edwardsville, Pa.

Application September 3, 1932, Serial No. 631,660
1 Claim. (Cl. 255—50)



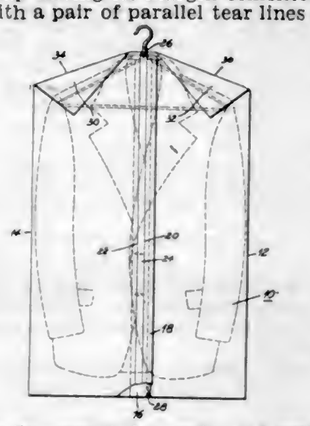
In a dust hood for drills, a bearing cone adapted for free slidable and rotatable mounting on the drill, a housing journaled freely on the bearing cone, a dust flange secured to the housing, a lip on the flange engaging the bearing cone and sealing the junction between cone and housing, the said housing having a peripheral groove adjacent its forward edge, and a conical dust collecting hood having its smaller end seated in the said groove.

1,981,571
GARMENT PROTECTOR

Benjamin J. Sachs, Springfield, Ohio

Application September 18, 1933, Serial No. 689,853
9 Claims. (Cl. 206—7)

1. A garment protector comprising an envelope to be disposed about a garment suspended about a hanger, the upper end of said envelope being closed and having an opening at the apex for the suspension element of the hanger, front and rear walls for the envelope, one of said walls including a pair of overlapping flaps extending from top to bottom, the margin of one flap being cemented in spaced relation from the margin of the other flap, said flap having its margin cemented being provided with a pair of parallel tear lines located

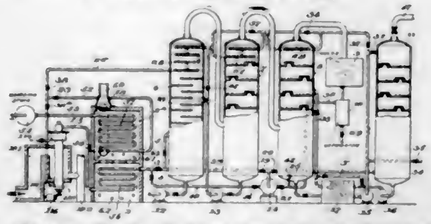


adjacent to its cemented margin and within the confines of the other edge which extends in overlapping relation with respect to the tear lines.

1,981,572
METHOD OF HEAT TREATING HYDROCARBON OIL

Willis F. Sims and Venus U. Cloer, Wichita Falls, Tex., assignors to Panhandle Refining Company, Wichita Falls, Tex., a corporation of Texas

Application April 9, 1930, Serial No. 442,871
2 Claims. (Cl. 196—61)



1. The method of heat treating hydrocarbon oils and of producing motor fuel therefrom, which consists in heating the oils under pressure to distillation temperatures, passing a stream of the oils into a circular flash-vessel under sub-atmospheric pressure, rotating the vapor and residual oils therein at a speed sufficient to confine substantially the entire oil content of the vessel to a film of oil on the inner surface of the vessel and to maintain the oil vapors in said vessel, heating said film to a high temperature through the walls of said vessel at sub-atmospheric pressure, and continuously collecting and drawing off the heated vapors from said vessel under a sub-atmospheric pressure or vacuum, super-heating said vapors in a cracking zone at sub-atmospheric pressure separated from the flash-vessel to complete the cracking operation, and finally fractionating and condensing the same.

1,981,573
PULP FORMING PROCESS

Earl Stafford, Fairlawn, N. J., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

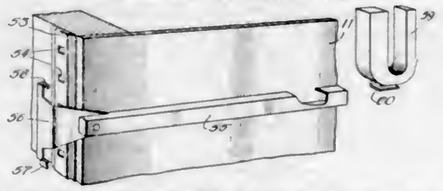
No Drawing. Application July 18, 1930, Serial No. 468,996
8 Claims. (Cl. 92—21)

6. That process of producing a fibrous material in water suspension, having homogeneously distributed therethrough a heat plastic substance in minute, uncoated particles in suspension, which comprises simultaneously reducing a fibrous material to a pulp and a heat plastic material to a comminuted form, in the presence of sufficient water to act as a circulating medium, said reduction being accomplished by causing the fibrous material and the heat plastic to pass continuously between impacting surfaces.

1,981,574
LETTERING DEVICE FOR DISPLAY PANELS

William L. Stensgaard, Chicago, Ill.

Original application May 17, 1933, Serial No. 671,561. Divided and this application December 8, 1933, Serial No. 701,563
2 Claims. (Cl. 40—140)

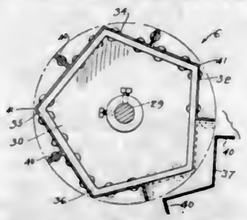


1. In combination with a panel, a vertical strip attached to the edge face thereof, said strip being provided with a plurality of horizontally arranged slots, a bar adapted to lie in front of the face of said panel, said bar being provided with a right angle bracket at the end, said bracket being provided with inwardly extending tongues adapted to engage the slots in said vertical strip to support said bar, and letters provided with clips adapted for attaching same to said bar.

1,981,575
CLEANER DRUM FOR COTTON GINNING MACHINERY

Jeffrey John Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana

Application March 27, 1933, Serial No. 663,053
3 Claims. (Cl. 19—97)



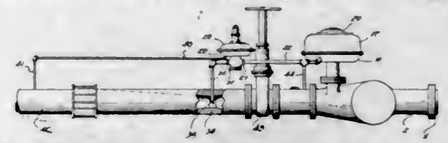
1. In a cotton gin feeder, a drum comprising: a shaft, polygonal end walls spaced along and fixed to said shaft, a polygonal casing having its opposite ends secured to said walls, and flanges extending perpendicularly from the flat sides of said casing radially with respect to said shaft and between and substantially parallel to the corners of said casing, the free edges of said flanges and the corners of said casing being equidistant from the axis of said shaft.

1,981,576
FLUID PRESSURE REGULATOR

Frank J. Woolfenden, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa.

Application May 25, 1928, Serial No. 280,442
Renewed December 22, 1932
12 Claims. (Cl. 50—16)

1. In an apparatus of the character described, the combination of high and low pressure mains, valve means controlling passage between said mains, a valve operating regulator including a casing, a diaphragm in said casing, and a closed chamber to one side of said diaphragm, a flow restriction in the low pressure main, a conduit providing communication between the said chamber and the restriction whereby said diaphragm is responsive solely to pressure in said conduit, a valve in the said conduit, a control pressure regulator for operating said last-mentioned valve including a casing, a diaphragm in said casing,

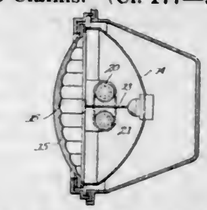


and a chamber to one side of said diaphragm, adjustable means for placing a tension on the side of the said diaphragm opposite the chamber, a branch conduit opening into the aforesaid conduit at one end and into the low pressure main at the other end, flow restricting means in said branch conduit, and a conduit connecting the chamber of the said control pressure regulator with the low pressure main.

1,981,577
SIGNAL

Charles Adler, Jr., Baltimore, Md.

Application September 28, 1934, Serial No. 746,004
3 Claims. (Cl. 177—329)

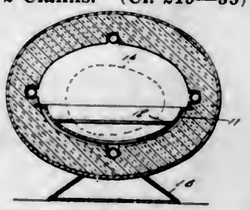


1. A signal comprising a lens or cover glass having corrugations arranged substantially in parallel relation and constituting a signal area, a parabolic reflector, and electric lighting means comprising an elongated filament presented in substantially parallel relation to said corrugations and offset with respect to the focal point of the reflector, said reflector reflecting light from said filament through said cover glass or lens.

1,981,578
EGG COOKER

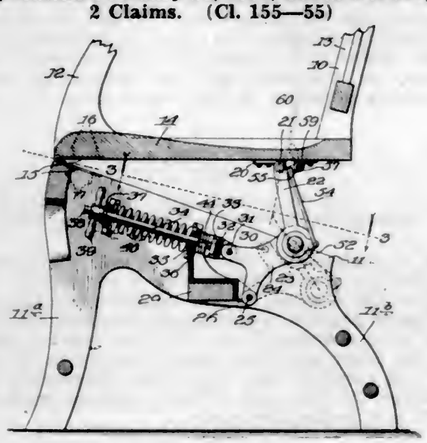
John Baggiolini, Soledad, Calif.

Application December 5, 1933, Serial No. 701,019
2 Claims. (Cl. 219—35)



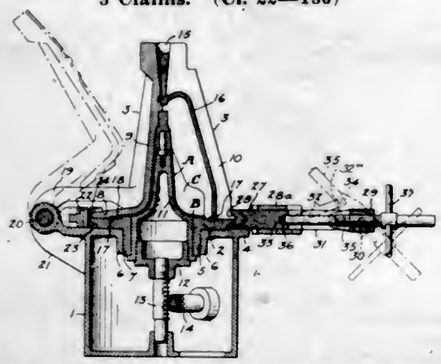
1. An egg cooker comprising an elongated casing provided with a closure at one end, an elongated tubular wall of insulation, said wall being provided with longitudinally extending groove-ways on its inner side, a heating element disposed in the grooves, said wall being provided at its inner side with a pair of longitudinally extending channels disposed on a horizontal plane and in opposite side portions of the walls, and an egg holding tray for disposition into the said wall and provided with laterally extending flanges for slidable engagement in the said channels.

1,981,579
CHAIR
Henry E. Bennett, Chicago, Ill.
Application February 24, 1930, Serial No. 430,994
2 Claims. (Cl. 155—55)



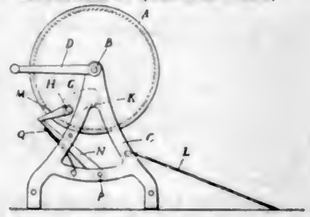
1. A chair comprising a base portion, a seat pivoted adjacent its forward edge to said base portion for downward movement of said seat, a spring balancing the weight of the occupant in any position of the seat and resisting downward movement of the seat, and a lever pivoted to said base portion and operatively connected to said spring, a link connecting said lever to said seat, said lever being displaced by said seat during downward movement thereof to force said spring, said lever moving during said downward movement of said seat from a position wherein it exerts on said spring a certain component of the force acting on it to a final position wherein it exerts on said spring a larger component of the force acting on it.

1,981,580
PERMANENT MOLD
Herman W. Biringer, Cleveland, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1932, Serial No. 614,521
Renewed September 20, 1934
5 Claims. (Cl. 22—156)



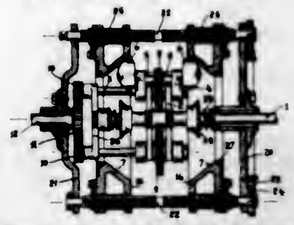
5. In a mold having a stationary mold section and a plurality of mating mold sections seating against each other and against said stationary section when the mold is closed, said stationary section having peripheral edge portions and each of said movable sections having an edge portion adjacent an edge portion of said stationary section, a movable element separate from said sections having clamping portions which engage the peripheral edge of the stationary section and the adjacent edge portions of said movable sections, at least one of said clamping portions being movable relative to said element, and means carried by said element for providing relative movement between said clamping portion and element to bring said clamping portions into clamping engagement with said edge portions of such sections.

1,981,581
INDOOR GAME APPARATUS
Louis Burn, Sunnybank, Morden, Surrey, England
Application November 1, 1932, Serial No. 640,726
In Great Britain November 30, 1931
13 Claims. (Cl. 273—144)



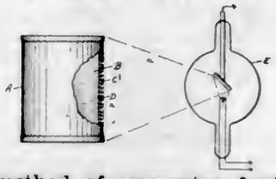
1. An indoor game apparatus comprising a container for rollers of varying characteristics, means for mixing the rollers within the container by rotating a shaft in one direction, an aperture in the wall of said container, a closure member normally closing said aperture and carried on a spindle projecting outside said container, a ratchet lever carried on the projecting portion of said spindle and a pawl arranged in the path of said ratchet lever that when the container is rotated in one direction said ratchet lever clicks past said pawl and said closure member remains in closing position but when said container is rotated in the opposite direction the closure member is moved clear of said aperture.

1,981,582
FRICTION CHANGE SPEED GEARS
Giuseppe Colucci, Naples, Italy
Application October 17, 1932, Serial No. 638,248
In Italy October 19, 1931
5 Claims. (Cl. 74—260)



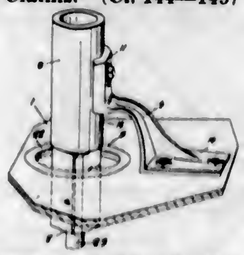
1. Friction change speed gear comprising, in combination with a driving shaft and a driven shaft, a pair of rings facing each other and forming between them a substantially conical roller race, rollers adapted to roll in said roller race, toggles for connecting said rollers to said driving shaft so as to be carried along in rotation about said driving shaft and said rollers carried by centrifugal force into engagement with said roller race, a double pinion of different diameters loosely mounted on the toggle pin, a toothed wheel secured to each of said rollers and meshing with the larger diameter rim of said double pinion, a toothed wheel carried by the driven shaft and engaging with the smaller diameter rim of said double pinion and means for varying the distance between the rings for varying the diameter of the path of said rollers in said roller race.

1,981,583
METHOD OF PRESERVING FRUITS, VEGETABLES, ETC.
Palmer H. Craig, Cincinnati, Ohio, assignor to Invex Corporation, a corporation of New York
Application October 17, 1929, Serial No. 400,387
10 Claims. (Cl. 99—11)



1. The method of preserving food materials which consists in sealing the material within a container having incorporated therein a substance capable of emitting secondary radiations including soft X-rays, and subjecting said radiator material to the action of hard X-rays to produce said secondary radiation, and subjecting said food material to said secondary radiations.

1,981,584
FORM SHAPING DEVICE FOR WOOD-WORKING MACHINES
John Oliver Creek and Walter Wood, Hamilton, Ontario, Canada
Application March 24, 1933, Serial No. 662,487
2 Claims. (Cl. 144—145)



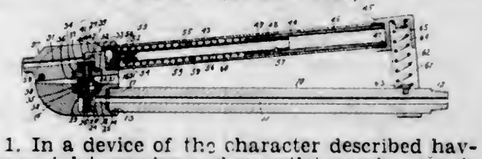
1. A wood working machine for finishing an irregularly shaped rough piece comprising a table top having an opening therethrough, a stationary guide detachably mounted above said opening, a rotary cutter passing through said opening and extending above the top adjacent the bottom of the guide whereby said guide and cutter will cooperate with an irregularly shaped master pattern and a board to produce a shaper form, an auxiliary attachment comprising a guide collar and a cutter thereabove replaceable in said opening upon removal of the guide and first mentioned cutter, said collar and cutter of the attachment operable to reproduce a face on said irregularly shaped rough piece from the shaper form.

1,981,585
HOLDER FOR LESSON SCROLLS
Horatio G. Cress, Troy, Ohio
Application February 15, 1934, Serial No. 711,391
4 Claims. (Cl. 35—9)



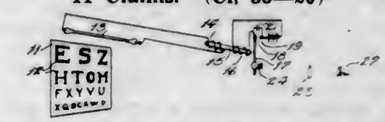
1. A holder for lesson scrolls insertible in a scroll-receiving frame, comprising a backing sheet, and a scroll shaft supporting strip hingedly secured to each edge of said sheet, whereby the latter may be folded flat for storage, or the strips turned at right angles thereto to receive the scroll shafts for support within the scroll-receiving frame.

1,981,586
COMBINED CONTROL VALVE AND PRESSURE GAUGE
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 8, 1931, Serial No. 579,730
12 Claims. (Cl. 152—11.5)



1. In a device of the character described having an inlet opening and an outlet opening, a pair of members pivotally connected together adjacent one of their ends, each of said members having a recess therein and being provided with a passage leading from said recess, one of said passages communicating with said inlet opening and the other of said passages communicating with said outlet opening, one of said members having a pressure gauge associated therewith and being provided with a second passage leading from the recess therein to said gauge, a valve arranged in the recess of said last named member and adapted to close the passage leading to said gauge, means carried by both recesses and having telescoping sleeve portions connecting the recesses when the members are moved toward each other, a valve in the recess of the other member and normally seated on the said means in said recess to close the sleeve of the same, said valves having pins extending through said sleeves and engaging each other to open one and close the other upon said movement of said members toward each other, and means for normally urging said members apart.

1,981,587
METHOD OF AND APPARATUS FOR VISION TESTING
Herbert Grove Dorsey, Washington, D. C.
Application August 13, 1929, Serial No. 385,671
11 Claims. (Cl. 88—20)

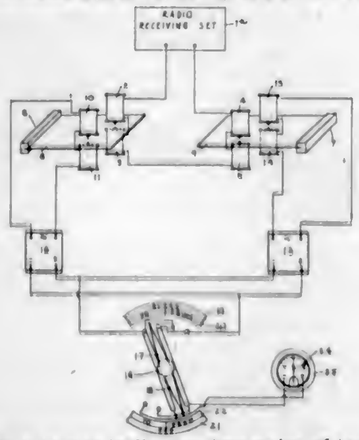


1. The method of testing vision, comprising placing the subject in a room sufficiently dark to cause relaxation of eye muscles and measuring the refractive error while the subject views a test chart which is illuminated at intervals frequent enough to prevent wandering of the eyes, the duration of said illumination being less than necessary for optical accommodation.

1,981,588
TRANSPARENT FILM OR LAYER
Henry V. Dunham, Bainbridge, N. Y.
No Drawing. Application October 4, 1932, Serial No. 636,258
7 Claims. (Cl. 18—57)

1. A casein film of a high degree of transparency containing a small amount of methyl diphenyl amine.

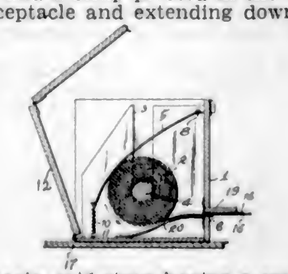
1,981,589
POINTER TYPE COURSE INDICATOR
Francis W. Dunmore, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce
Application October 25, 1932, Serial No. 639,469
2 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a course indicator, two pairs of terminals, means for impressing a unidirectional electrical potential across one pair of terminals, which potential has a certain nominal value when the indicator is on a course and decreases as a function of the distance of the indicator to one side of the course and increases as a function of the distance of the indicator to the other side of the course, means for impressing a second unidirectional electrical potential across the other pair of terminals which second potential has the same nominal value as said first unidirectional electrical potential when the course indicator is on the course, but increases as a function of the distance of the indicator to the side of the course where said first potential decreased, and decreases as a function of the distance of the indicator to the side of the course where said first potential increased, a resistor, means for connecting said pairs of terminals in aiding polarity in series with said resistor, indicating means which will indicate the magnitude and direction of an electrical potential, means connecting one terminal of said indicating means to the center of said resistor, means connecting the other terminal of said indicating means to the terminal of each of said pairs of terminals which is not connected to said resistor, means to indicate magnitude of electrical potential, means connecting the terminals of said last mentioned indicating means across the terminals of said resistor, whereby the last mentioned indicating means will give an indication of the combined intensities of said two unidirectional electromotive forces.

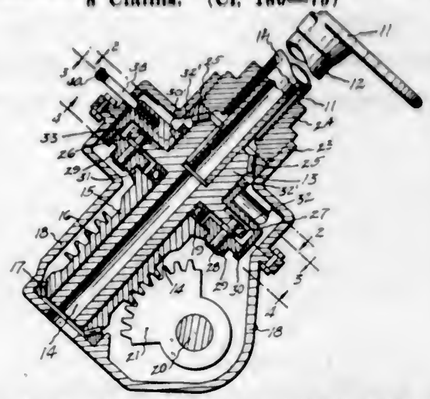
1,981,590
PAPER SERVING APPARATUS
Irvine A. Easterling, Augusta, Ga.
Application March 26, 1934, Serial No. 717,479
2 Claims. (Cl. 242—55.5)

1. A paper receptacle adapted to sit upon a counter and deliver paper on the top of said counter, said receptacle having near its lower portion a slot therein and above the slot, an outwardly projecting shelf and a cutter, said receptacle having a releasable top that may be opened to receive a fresh paper roll, said receptacle having grooves at either end adapted to receive the ends of the roll on which the paper is wound, and a strap pivoted in the upper part of the receptacle and extending downwardly in



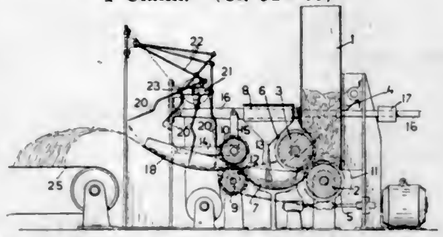
the receptacle, said strap having a spring at one end and fastening means in the bottom of the receptacle to resiliently hold it against the paper roll after the latter is inserted in the receptacle.

1,981,591
CONTROL MECHANISM
Morton H. Edmondson, Greenville, Tex.
Application July 13, 1933, Serial No. 680,271
8 Claims. (Cl. 180—79)



1. A control mechanism comprising, a steering shaft, a gear sector, a rotatable worm in mesh with the sector, a differential coupling between the shaft and the worm, a power control operator, and resilient means actuated by and connected with the differential for operating said control operator when the differential is subjected to abnormal load.

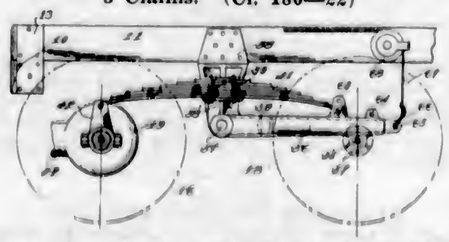
1,981,592
METHOD OF IMPREGNATING FIBROUS MATERIALS FOR BUILDING ELEMENTS
Konrad Erdmann, Radenthein, Austria
Application October 15, 1930, Serial No. 488,938
In Austria February 19, 1930
1 Claim. (Cl. 91—68)



In the manufacture of highly porous stiff building elements the method of treating fibrous materials, by forming therefrom a slightly pressed hank, conveying the latter along the deepest place

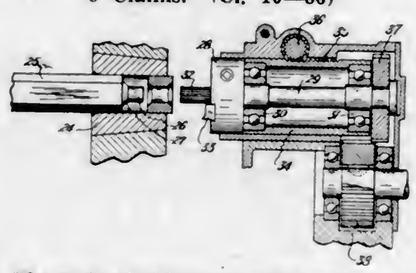
of an emulsion bath, drawing it out in the longitudinal direction while passing through the emulsion bath, squeezing the excess of emulsion out of said hank when leaving the bath, dividing the fibrous material of the hank into portions, flinging these portions further on and uniting them at a constant speed.

1,981,593
MULTIWHEEL ROAD VEHICLE
Rollie B. Fageol, Los Angeles, Calif.
Application June 3, 1929, Serial No. 368,146
3 Claims. (Cl. 180—22)



1. A multi-wheel road vehicle comprising a frame; a trunnion shaft extending transversely of said frame; an arm pivotally connected adjacent one end thereof to each end of said trunnion shaft; a drive axle disposed at one side of said trunnion shaft in parallel relation thereto; a set of drive wheels supporting said drive axle; non-driven wheels supporting said arms on the opposite side of said trunnion shaft; a leaf spring assembly at each side of the frame mounted to swing intermediate its ends about said trunnion shaft; said spring assemblies flexibly supported at corresponding ends thereof by said drive axle and flexibly supported at the opposite ends thereof by one of a plurality of pairs of ears on said arms.

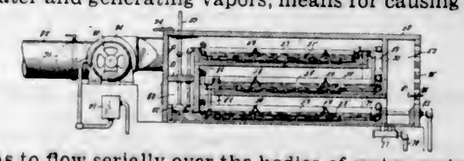
1,981,594
METHOD OF MAKING NUTS
Lee A. Frayer, Kent, Ohio, assignor to Roy H. Smith, Kent, Ohio
Original application June 7, 1930, Serial No. 459,656. Divided and this application December 24, 1931, Serial No. 583,028
9 Claims. (Cl. 10—86)



1. The method of forming with precision, hardening, strengthening and smoothing a nut blank, which consists in slidingly advancing a rough nut blank through a series of progressively tapering dies and thereby performing a series of successive die forging operations upon the rough blank, and thus reducing its transverse dimensions and increasing its thickness step by step.

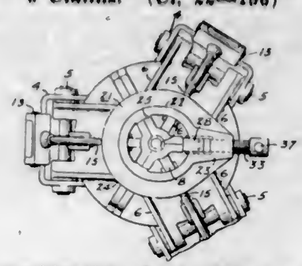
1,981,595
APPARATUS FOR CONDITIONING AIR
Gordon Don Harris, Old Greenwich, Conn.
Application January 13, 1932, Serial No. 586,436
6 Claims. (Cl. 261—15)

1. A humidifying apparatus comprising a casing having a plurality of staggered trays mounted therein, means associated with each tray for maintaining a body of water thereon, a heating element positioned within the body of water maintained on each tray for heating the water and generating vapors, means for causing a



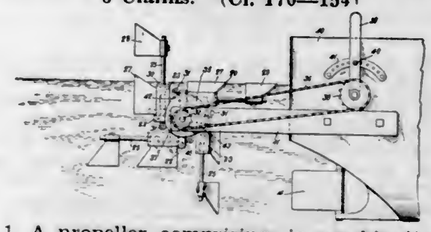
gas to flow serially over the bodies of water maintained on said trays, a blower associated with said apparatus, a conduit connecting the blower with said casing, and means operable, upon stopping of the operation of the blower, for closing communication between the blower and said casing.

1,981,596
CLAMPING MECHANISM FOR PERMANENT MOLDS
Sidney W. Jackson, Cleveland, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1932, Serial No. 626,308
6 Claims. (Cl. 22—156)



5. The combination of a mold having a plurality of movable sections with outwardly extending flanges which are shaped to form a shoulder and to mate with adjacent flanges when the mold is in closed position, and a clamp resting upon said shoulder, said clamp having an inner surface of substantially the same contour as the outer extremities of the mating flanges, a movable contact disposed opposite a pair of mating flanges, and means for moving the contact into engagement with the flanges opposite thereto to force the mold sections into the proper relationship.

1,981,597
FEATHERING PROPELLER
Thomas H. Jackson, Scranton, Pa.
Application January 10, 1933, Serial No. 651,047
6 Claims. (Cl. 170—154)



1. A propeller comprising, in combination: a rotatable shaft; a hub freely rotatable on said shaft; means to drive said hub; a frame secured on said hub; a pair of spaced arms projecting substantially radially to said hub and journalled in said frame, a cam fixed on said shaft adjacent one end of said hub; a crank fixed to one of said arms and contacting said cam to cause movement of the arm about its axis; means coacting between said arms to cause complemental action therebe-

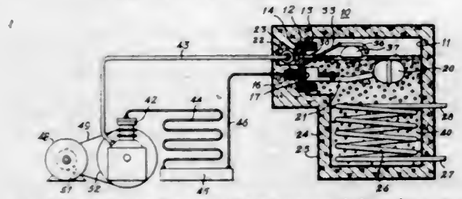
tween; blades fixed upon said arms; edges of said blades brought together and feathered by action of said cam, and means to adjustably turn said shaft to vary the feathering and driving positions of the blades.

1,981,598

REFRIGERATING APPARATUS

Jesse G. King, Dayton, Ohio

Application October 30, 1933, Serial No. 695,757
7 Claims. (Cl. 62—141)



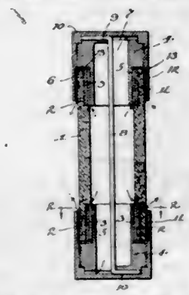
1. A refrigerating system comprising in combination, an evaporator adapted to contain a body of liquid refrigerant, means for normally preventing said body of liquid refrigerant from rising above a predetermined level in said evaporator, means for directing a liquid to be cooled through the body of liquid refrigerant in said evaporator whereby the refrigerant therein is caused to rise above said normal predetermined level, a compressor, a suction line communicating with said compressor and having a movable inlet disposed in said evaporator, and means operable independently of said first named means and controlled by the level of the body of liquid in said evaporator for maintaining the inlet of said suction line in substantially constant relation to the body of liquid in the evaporator.

1,981,599

ELECTRIC FUSE

Thomas W. Kirkman, New York, N. Y.

Application October 24, 1930, Serial No. 491,015
Renewed January 10, 1933
17 Claims. (Cl. 200—131)



1. In an electrical fuse, the combination of an insulating casing; a metallic ferrule secured within one end of said casing; a link carrying member, said ferrule and said link carrying member being arranged in telescoping relation with a gas venting space therebetween connecting the interior of the casing with the atmosphere; and a cap mounted on the link carrying member.

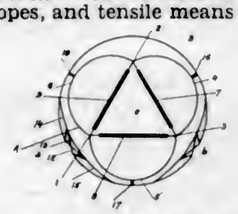
1,981,600

UNINFLAMMABLE BALLOON

Jean Letourneur, Versailles, France

Application August 26, 1931, Serial No. 559,467
In France September 19, 1930
8 Claims. (Cl. 244—3)

1. In an elongated non-inflammable balloon, the combination of an outer expansible envelope, an inner expansible envelope inclosed within said outer envelope, an inflammable lifting gas filling said inner envelope, an inert gas filling the space between said inner and outer envelopes, a plurality of extensible elastic tensile connections attached to each of said envelopes for taking up the variations in volume of each of said inner and outer envelopes, and tensile means for maintaining the relative positions of the two envelopes, the expansibility of both outer and inner envelopes ensuring under all atmospheric conditions a protective jacket of inert gas equal to or greater than a predetermined minimum safe thickness.

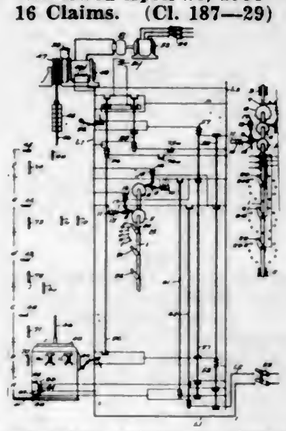


1,981,601

ELEVATOR CONTROL SYSTEM

Frank E. Lewis, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application January 23, 1932, Serial No. 588,406
Renewed April 24, 1934
16 Claims. (Cl. 187—29)



1. In an elevator system, an elevator car operable in a hatchway; a floor selecting mechanism comprising a movable element, means operable upon repeated actuation to move said movable element step by step, means for determining the direction of movement of said movable element, and contact members controlled by said movable element; means comprising a switch carried on said car and cooperating elements mounted on said hatchway responsive to the position of said car in said hatchway for actuating said first mentioned means when said car is in any of a plurality of predetermined positions; means for determining the direction of movement of said car; and means for simultaneously controlling said means for determining the direction of movement of said movable element and said means for determining the direction of movement of said car.

1,981,602

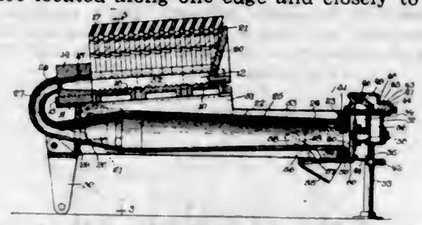
BURNER ASSEMBLY

Clarence J. Levey, Park Ridge, and Edward J. Haedike, Chicago, Ill., assignors to National Machine Works, Chicago, Ill., a corporation of Illinois

Application October 15, 1930, Serial No. 488,764
16 Claims. (Cl. 158—99)

4. In a burner assembly, in combination, a combustion chamber comprising a flat refractory

pan, and a burner having a narrow elongated orifice located along one edge and closely to the



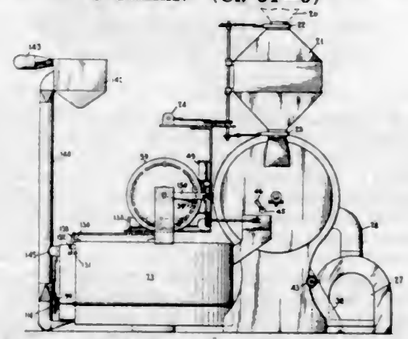
plane of said pan for discharging a fuel mixture across said pan, and an upright wall on said pan opposite to said orifice.

1,981,603

AUTOMATIC ROASTER APPARATUS

Henry T. Mustonen, Little Neck, N. Y.

Application November 3, 1931, Serial No. 572,797
6 Claims. (Cl. 34—5)



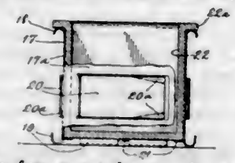
1. In apparatus for the purpose specified: the combination with a roaster, means to supply a measured charge thereto, means to discharge a roasted charge therefrom, a cooler to receive the roasted charge, means for admitting cooling air to the cooler, means to cut off the supply of cooling air, and means to remove the cooled charge from the cooler; of automatically operating electrical timing mechanism continuously operative during a cycle for controlling successively the means for discharge of the roasted charge into the cooler, the means for admitting cooling air to the cooler, the means for cutting off the supply of cooling air thereto, and the means for removing the charge from the cooler, an electric motor and circuit to drive the automatically operating timing mechanism, means to restore the automatically operating timing mechanism to its initial condition, and means controlled solely by the temperature of the charge within the roaster for effecting closing of the motor circuit to initiate the operation of the said automatically operating timing mechanism and at the beginning of the cycle.

1,981,604

COMBINATION RECEPTACLE

Adolph Ondricek, Astoria, Long Island, N. Y.

Application May 23, 1933, Serial No. 672,399
8 Claims. (Cl. 206—1)



1. A holder for a package of paper matches of the class described comprising a casing consisting of side wall members, and the material of one of said wall members being cut out and fashioned to form a spring arm extending from adjacent one side of said wall to a point adjacent the opposite side thereof and adapted to engage a paper of matches to support the same against displacement from said wall.

1,981,605

REFINING OF COTTON SEED OIL

Max Schellmann, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 10, 1933, Serial No. 684,562. In Germany August 11, 1932
13 Claims. (Cl. 87—12)

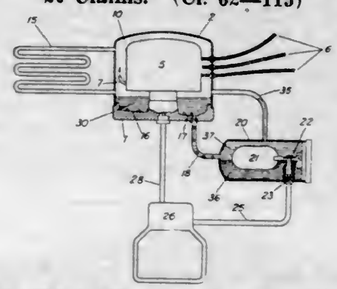
1. A process for removing mucilaginous substances, colouring matter and other impurities from crude cotton seed oil, which comprises heating said oil together with a small quantity of an anhydrous, solid ester from boric acid and an aliphatic polyhydric alcohol, the precipitated impurities being then mechanically separated.

1,981,606

REFRIGERATION APPARATUS

Anthony T. Stock, Elmwood Park, Ill.

Application June 15, 1933, Serial No. 675,891
20 Claims. (Cl. 62—115)



1. In a refrigerating system, a container having a body of lubricant therein, compressing means adapted to discharge into said container, means for condensing said compressed refrigerant and depositing said condensed refrigerant in a receptacle, said receptacle adapted to hold a predetermined amount of liquid refrigerant in storage, communicating means from lowest portion of container to upper portion of receptacle allowing liquid refrigerant condensed in container to flow to receptacle, said receptacle being so disposed relative to said container that during normal operation, with normal heat dissipation, said receptacle is maintained at a substantially lower temperature than said container, valving means controlled by float in said receptacle, said float adapted to sink in lubricant but float in refrigerant, releasing any additional refrigerant from receptacle for refrigerating purposes.

1,981,607

MANUFACTURE OF SURGICAL BANDAGES CARRYING PLASTER OF PARIS

Jerome Weiss, New York, N. Y.

Application August 16, 1932, Serial No. 629,001
11 Claims. (Cl. 91—32)

2. In a machine for making plaster of Paris bandages, a receptacle for holding the powdered plaster, means for sending a bandage strip through said plaster, the floor of said receptacle being curved longitudinally with the concave side of the curve upward, said curvature being greater

toward the end of the receptacle where said strip is introduced than where it leaves and a plurality of spaced guide rods under which the strip is caused to pass on its way through the receptacle, said rods being arranged in a curve with the con-



cave side upward, said rods being closer to the floor where the curvature of the floor is greater than where the curvature of the floor is flatter, causing the maximum amount of plaster to be on top of the strip as it passes through the machine.

1,981,608

PROCESS FOR PRODUCING AN AQUEOUS WAX EMULSION

Harry Bennett, Brooklyn, N. Y.

No Drawing. Application June 23, 1932, Serial No. 618,944
3 Claims. (Cl. 134—1)

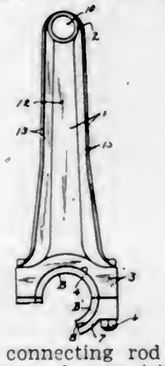
1. The process of forming an aqueous emulsion comprising mixing equal parts of an aliphatic amine and a fatty acid having more than five carbon atoms and but one carboxyl group and heating the mass at atmospheric pressure until a homogeneous mixture thereof is attained, thereafter adding a wax while maintaining the temperature to incorporate said material as a homogeneous mass with the said mixture, discontinuing the heating, and then adding boiling water slowly with constant agitation until emulsification is completed, said emulsion when applied to a surface drying directly with a bright gloss.

1,981,609

CONNECTING ROD

Leon Antoine Berland, Seine, France

Application May 6, 1932, Serial No. 609,677
2 Claims. (Cl. 74—579)



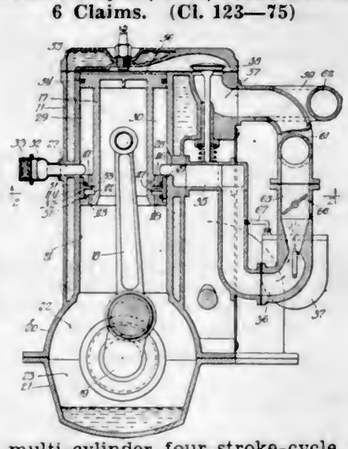
1. A one piece connecting rod member composed of aluminum and comprising a wrist pin boss portion, a substantially rectangular head portion having a semi-circular bearing recess, a shank connecting said boss and head portions, said shank comprising a tubular body portion and four substantially equal flanges radiating from a common center and at substantially right angles to each other, said flanges having the upper ends thereof extended over the upper surface of the boss portion to reinforce said boss and the lower ends of the flanges flaring outwardly and merging into the head portion at respective corners thereof.

1,981,610

ENGINE

Herbert E. Bucklen, Elkhart, Ind., assignor of one-half to John A. Dienner, Evanston, Ill.

Application May 27, 1932, Serial No. 613,797
6 Claims. (Cl. 123—75)



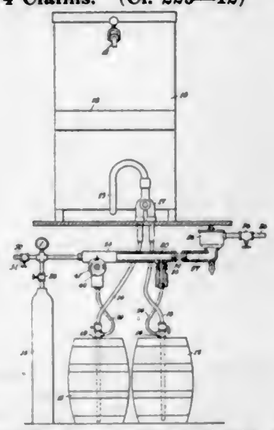
1. A multi-cylinder four-stroke-cycle internal combustion engine comprising, a plurality of cylinders, means including reciprocable pistons for defining a combustion chamber in one end of each of said cylinders and for defining a compression space in the other end thereof, means including arcuate valves extending into grooves in the pistons and sliding on the cylinder walls, for admitting a gas to said compression spaces to be compressed therein, manifold means for receiving the compressed gas from said spaces and means conducting said gas to said combustion chambers.

1,981,611

COMBINED CLEANER AND LIQUID DISPENSING APPARATUS

Thomas Cappa, Bloomfield, N. J.

Application June 15, 1934, Serial No. 730,750
4 Claims. (Cl. 225—12)



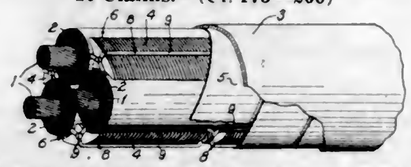
1. A fitting for use with a liquid dispensing apparatus including a supply vessel for the liquid and a discharge pipe therefrom, said fitting comprising two parallel pipes, each pipe being sealed at one end and adapted for connection at the unsealed end respectively to a source of gas under pressure and to a source of water supply and each having an outlet port; a valve casing located transversely of said pipes, connecting the same together and communicating with respective ports of the said pipes, said casing being provided with outlets opposite each of the pipe ports and terminating in a common outlet pipe for connection to the supply vessel; and a duplex plug fitting the valve casing and having through ports angularly displaced with reference to each other about the axis of rotation of the plug and displaced axially thereof for registry with the respective ports and outlets, whereby a supply of gaseous medium or of water may be alternatively delivered to the supply vessel or both cut off therefrom in accordance with the position of the said plug.

1,981,612

CABLE

Philip H. Chase, Bala-Cynwyd, Pa.

Application January 17, 1929, Serial No. 333,049
10 Claims. (Cl. 173—266)



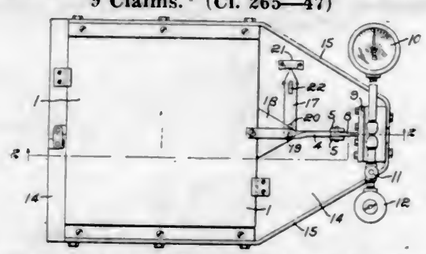
3. The cable comprising a conductor, substantially incompressible insulating material surrounding the conductor, said material expanding with increase in temperature, a sheath surrounding said conductor and said material, a series of hollow containers within the sheath, and cages holding said hollow containers, said cages protecting the containers.

1,981,613

VEHICLE WHEEL SIDE THRUST INDICATOR

John Fabien Duby, Dorchester, Mass.

Application December 31, 1931, Serial No. 584,144
9 Claims. (Cl. 265—47)



6. Indicating apparatus comprising an element adapted to be utilized as a portion of the path for a vehicle wheel, restraining means associated with said element, said means adapted to resist horizontal movement of the element and make it sufficiently stable to restrain lateral distortional stresses in a tire rolling on the element in practically the same manner as they are restrained when a tire rolls on an ordinary road surface, and means to indicate the force exerted by the restraining means in maintaining stability against side thrust forces as the element is traversed by a vehicle wheel.

1,981,614

METHOD FOR DERIVING LIQUID HYDROCARBONS FROM SOLID CARBONIZABLE MATERIALS

Georges Francis Michot-Dupont, Vincennes, France, assignor to "Physical Chemistry Research Cy," Wilmington, Del., a company

No Drawing. Application February 7, 1931, Serial No. 514,324. In Belgium November 15, 1930
8 Claims. (Cl. 202—34)

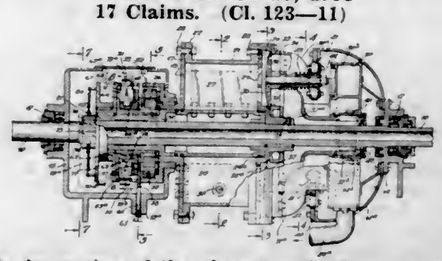
1. The method for deriving low-boiling point liquid hydrocarbons from coals of the group represented by the class consisting of peat, lignite, and bituminous coal; which includes the steps of mixing the coal with an alkaline acetate, heating the mixture to a temperature corresponding to that of a low red heat, approximately from about 250° C. to about 500° C., so as to evolve vapors and produce coke, condensing the vapors evolved, and distilling the condensate.

1,981,615

ROTARY MOTOR

Joseph Enderlin, East Northport, N. Y.

Application December 4, 1931, Serial No. 578,947
Renewed March 29, 1934
17 Claims. (Cl. 123—11)



1. An engine of the class described comprising a rotatable cylinder structure involving an annular cylinder, pistons coupled with the cylinder structure and transversing said annular cylinder to divide the same into independent cylinder chambers, means disposed in each of said chambers and transversing the same for forming cylinder heads, means intermediate the heads and pistons for introducing fuel into said chambers, the ignition of which will drive said pistons, and the burnt gases being exhausted by the movement of said heads toward said pistons, means for intermittently stopping and retaining said heads against movement during the firing and suction strokes of said pistons in their movement relatively to said heads, and an automatically actuated clutch comprising a clutch drum coupled with the cylinder heads and including spring catch devices spaced circumferentially thereon and a plurality of dogs in operative engagement with the pistons and movable radially for engagement with said devices to drive said heads through said rotatable cylinder structure.

1,981,616

BUCK FOR IRONING MACHINES

Nicholas L. Etten, Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Corporation, a corporation of Iowa

Application September 21, 1931, Serial No. 564,020
2 Claims. (Cl. 68—9)



1. In a device of the class described, a cold metallic buck plate adapted to co-operate with a heated head member, heat insulating material carried by the upper face of the buck plate, a layer of moisture proof material having heat conducting properties covering said insulating material, a layer of fibrous padding over the outer surface of said moisture proof material, and means for binding all of said members together, whereby the moisture proof heat conducting material will become heated by heat radiated or conducted from the co-operating head member to evaporate any moisture engaging the same from

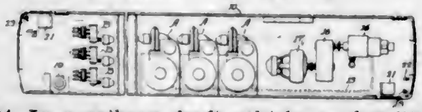
material being pressed between said buck plate and the co-operating head member and at the same time prevent any of said moisture or steam from entering the heat insulating material.

1,981,617
BRAKE LINKAGE
Edwin R. Evans, Chicago, Ill.
Application January 18, 1932, Serial No. 587,305
7 Claims. (Cl. 188—190)



1. Brake mechanism for motor vehicles comprising an axle, a wheel brake carried by said axle, a rock member for applying said wheel brake mechanism, a pivotal support for said rock member carried by said axle and relatively movable with respect thereto, a brake applying lever pivoted at a point rigid with the engine frame, a tension transmitting connection from said lever to said rock member and a radius member pivotally connected at one end to a point rigid with the engine frame and connected at the other end to the pivotal support for said rock member.

1,981,618
RAILWAY DRAFT VEHICLE
Clyde B. Faverty, Chicago, Ill., assignor, by mesne assignments, to Ryan Car Company, a corporation of Illinois
Application November 24, 1930, Serial No. 497,677
Renewed November 2, 1933
33 Claims. (Cl. 290—2)

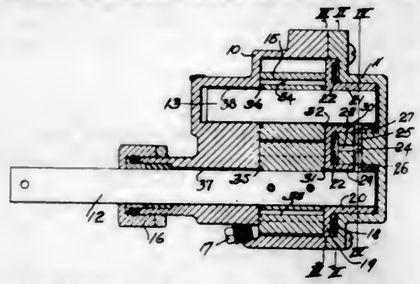


24. In a railway draft vehicle, a plurality of steam generating units, a turbine driven by steam from the units, an electric generator driven by the turbine, an electric motor adapted to be driven by current from the generator, and means for sequentially and progressively bringing the steam units into operation in response to the load demand on the motor.

28. In a railway draft vehicle, a wheeled body, a plurality of steam generators including fuel oil burners and steam and water circulating coils, a single steam line connected to receive steam from said generators, a steam driven engine having a connection to said common steam line for driving the same, a condenser, means for delivering exhaust steam from said engine to the condenser, means for receiving condensate from the condenser and redelivering and distributing the same to the steam generators as water is required by them, and means for utilizing the power from said steam engine for driving the wheels of said vehicle.

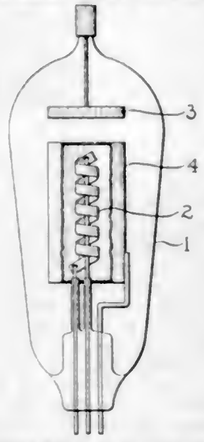
1,981,619
PUMP
William E. Gee, Memphis, Tenn.
Application July 29, 1932, Serial No. 626,136
6 Claims. (Cl. 103—126)

1. In a gear pump, a chambered housing comprising a casing having one end open, and a head closing said open end, a pair of complementary shafts journalled in said housing, complementary pump gears mounted on said shafts, said gears each having annular grooves at opposite ends thereof and a passageway establishing communication between said grooves, said housing chamber being of greater length than said gears, a follow plate peripherally fitting said chamber disposed therein abutting one end of said gears, said plate having passageways therethrough leading to said gear grooves, springs disposed in said



chamber between said plate and head urging said plate against said gears, and a grease cup mounted on said head, said head having passageways therethrough establishing communication from said cup to said spring chamber and to said plate grooves, whereby said spring chamber and grooves may be maintained full of grease to seal the ends of said gears.

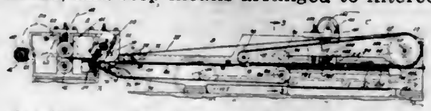
1,981,620
ELECTRODE FOR ELECTRON DISCHARGE DEVICES
Eugene A. Giard, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 26, 1932, Serial No. 601,404
8 Claims. (Cl. 250—27.5)



1. An electrode for an electron discharge tube comprising a beryllium alloy having an oxidized beryllium surface.

1,981,621
COLLECTOR FOR SHEETS OF PAPER
Irving Gurwick, New York, N. Y., assignor, by mesne assignments, to Shellmar Products Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1930, Serial No. 492,439
34 Claims. (Cl. 271—76)

1. A collector for sheets of paper, comprising a plurality of open ended hooks, means to move said hooks in the direction of their closed ends, means to feed the sheets into the open ends of the hooks, and stop means arranged to intercept



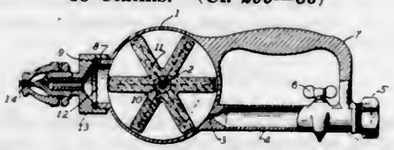
the sheets in order to strip the same from the hooks.

1,981,622
LOCOMOTIVE CLEANING APPARATUS
Frank M. Hilgerink, Chicago, Ill., assignor to Charles F. Fitts and Harry S. Hart, both of Chicago, Ill.
Application May 28, 1930, Serial No. 456,343
9 Claims. (Cl. 299—84)



1. In combination with a cleaning device of the character described having a heater comprising water and steam spaces in heat transferring association, a source of water supply for said water space, closable inlet means communicating with the water and steam spaces respectively for admitting a cleaning fluid to said spaces, valved openings communicating with the water space at remote points, other valved openings communicating with the steam space at remote points thereof, and means connected with the source of water supply and adapted for selective connection with the valved openings, whereby water may be admitted to the spaces for the purposes of flushing the spaces of the contained cleaning fluid.

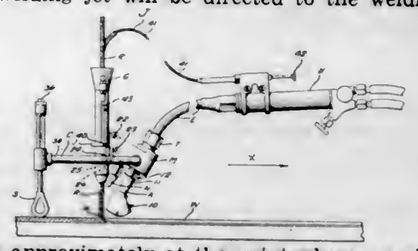
1,981,623
SPRAYING DEVICE
Harry B. Karter, Garden City, N. Y.
Application July 18, 1933, Serial No. 680,928
13 Claims. (Cl. 299—83)



1. In a device of the character described, in combination, a mixing chamber, a water inlet in said chamber, a water outlet spaced from said water inlet and a rotatable element mounted in said mixing chamber between said water inlet and said water outlet comprising a metal core provided with vanes, said core and vanes being covered with a chemical substance adapted to be dispersed in water and said water inlet being so arranged with respect to said vanes that the flow of water from said inlet impinges on said vanes successively thereby causing rotation of the rotatable element.

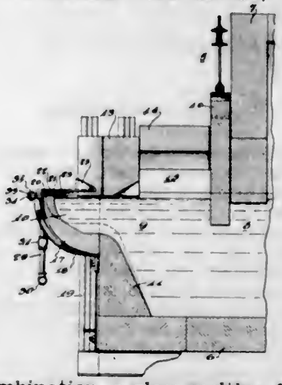
1,981,624
WELDING APPARATUS
Robert J. Kehl, Bayside, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 19, 1932, Serial No. 643,333
Renewed April 21, 1934
26 Claims. (Cl. 113—59)

1. In welding apparatus, the combination of a welding rod guide; a welding head secured to said guide and adjustable relatively thereto; and a nozzle secured to said head and having outlets for a welding jet and a preheating jet, said outlets being so inclined relatively to each other that the welding jet will be directed to the welding



point approximately at the point where a welding rod fed through said guide touches the work and said preheating jet will be directed onto the unwelded work relatively close to but in a direction away from said welding point.

1,981,625
GLASS MELTING FURNACE
Garland Lufkin, Bridgeton, N. J., and Floyd Flexon, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application August 17, 1933, Serial No. 685,546
5 Claims. (Cl. 49—56)

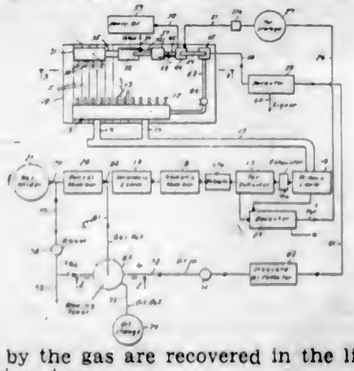


1. In combination, a glass melting furnace including a wall having an outlet opening through which the glass flows, a forebay to which the glass flows from said opening, said forebay providing an upwardly facing exposed surface of molten glass, a cover plate and jack arch cooperating to define a gathering area in the forebay, a burner comprising a manifold formed integral with the outer margin of the cover plate and shaped to generally conform with the contour of the outer margin of the forebay, said manifold having a plurality of inwardly facing ports, and means for supplying fuel to said manifold.

1,981,626
REFINING OILS
Gregory E. McCloskey, South Orange, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application September 24, 1931, Serial No. 564,753
16 Claims. (Cl. 202—30)

9. The method of removing low boiling constituents from creosote oil which comprises withdrawing gas from a coke oven by-product recovery process including a light oil absorption stage at a point subsequent to the light oil absorption stage, treating the creosote oil with the said gas, separating the oil and the gas, and passing the

gas through the light oil absorption stage, where-by the light oil constituents removed from



the oil by the gas are recovered in the light oil absorption stage.

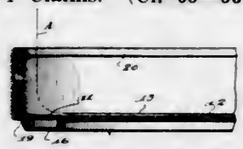
1,981,627

COASTER

Ralph S. Merriman, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a corporation of Ohio

Application May 3, 1933, Serial No. 669,255

4 Claims. (Cl. 65—53)



1. A tray comprising inner and outer shells of substantially the same depth, each consisting of a single piece of sheet material, having a bottom portion and an annular flange portion rising from the bottom at right angles thereto to form the side walls of the tray, the bottom of the outer shell having an annular portion offset downwardly to provide a supporting base, and means including an annular internal bead formed by rolling the upper margins of the flanges together for rigidly securing said shells together.

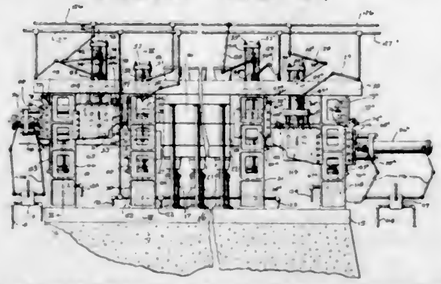
1,981,628

VULCANIZING PRESS

Herman E. Morse, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application June 29, 1932, Serial No. 619,857

8 Claims. (Cl. 18—17)



2. A press for vulcanizing belts comprising three superimposed platens, the lower and middle platens molding one belt and the middle and upper platens molding a second belt, a belt stretching means for each belt, each of said means including clamps mounted independently of the platens for clamping on the belt at the ends of the platens, means mounted independently of the platens for moving one of the clamps relatively away from the other to stretch the belt held therebetween, said clamp moving means being mounted at opposite ends of the platens, means for moving the platens together, means for controlling the vertical position of the clamps, said last named means being coordinated with the movement of the platens so that the belts will be maintained in a horizontal position and in proper alignment at all times.

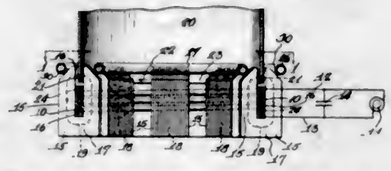
1,981,629

METHOD AND APPARATUS FOR INDUCTIVE HEATING

Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, a corporation of New Jersey

Application October 7, 1930, Serial No. 487,029

10 Claims. (Cl. 219—13)



1. In an electric induction furnace for heating the end of a hollow charge, an inductor coil having a portion generally conforming in shape to that of the charge, and a plurality of individual slotted magnets placed over the turns of the inductor so that the inductor lies in the slots and leaves sufficient space at the open ends of the slots to admit the charge, whereby the same individual slotted magnets may be used for charges of various diameters.

10. The method of heating the end of a pipe or similar hollow charge, which consists in inducing in the pipe alternating current flowing circumferentially of the pipe at the end and in simultaneously inducing in the pipe eddy currents circulating around circumferentially spaced points of especially high flux intensity near the end of the pipe.

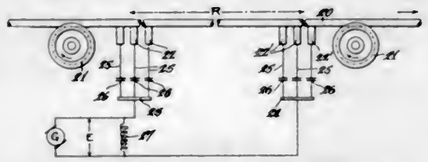
1,981,630

METHOD OF HEATING TRAVELLING STOCK

Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J., a corporation of New Jersey

Continuation of application Serial No. 144,793, October 28, 1926. This application October 22, 1930, Serial No. 490,513

31 Claims. (Cl. 219—11)



1. The method of heating travelling stock which consists in passing high frequency alternating current through the stock lengthwise by means of a plurality of contacts to and from the stock at each end of the portion to be heated and in unifying the flow through the contacts by arranging the contacts in parallel and in giving the parallel parts of the circuit added reactance.

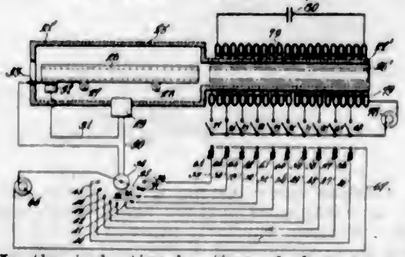
1,981,631

ELECTRIC INDUCTION FURNACE

Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J., a corporation of New Jersey

Application January 5, 1931, Serial No. 506,571

10 Claims. (Cl. 219—13)



1. In the inductive heating of charges, means for determining the temperature range through which to raise a charge to be heated, an induction electric furnace and means for automatically varying the rate of inductive heating of a charge in response to variation in the determined temperature range.

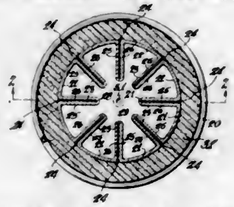
1,981,632

HEATING APPARATUS

Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J., a corporation of New Jersey

Application April 30, 1932, Serial No. 608,377

17 Claims. (Cl. 219—47)



1. In an electric induction furnace, an inductor coil, means for supplying alternating current to the inductor coil, an electrically conducting muffle having a boundary wall in inductive relation with the inductor coil and having a return loop with electrically separate sides extending away from the inductor coil to cause the current induced in the boundary wall to take a longer path and means for passing a charge through the muffle, whereby the charge may be heated by the return loop.

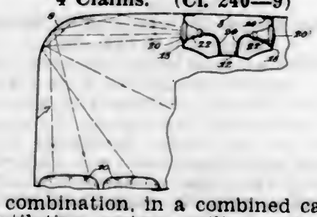
1,981,633

VEHICLE DEVICE

Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 7, 1932, Serial No. 621,317

4 Claims. (Cl. 240—9)



1. In combination, in a combined car-lighting and ventilating system, ceiling and side walls joined by a longitudinal edge wall sloping in section relative thereto, a ventilating duct depending from the ceiling, a lamp supported by the duct and means for directing substantially all its light transversely to the perpendicular against said sloping edge wall for downward deflection thereby, and conducting leads for the lamp disposed in the duct.

1,981,634

PROCESS FOR THE PREVENTION OF FOAM

Roger W. Richardson and Richard B. Schneider, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 13, 1932, Serial No. 605,114

7 Claims. (Cl. 252—6)

1. The process of decreasing foaming in liquids which comprises adding thereto a portion of the higher boiling organic oxygen-containing compounds obtained as by-products of the catalytic synthesis of methanol by pressure hydrogenation of carbon oxide, this portion containing the compounds, predominantly alcohols, which remain after all compounds boiling below 200° C. have been removed.

1,981,635

FOAM REDUCTION

Richard G. Clarkson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 3, 1931, Serial No. 572,879

7 Claims. (Cl. 252—6)

1. The process of decreasing foaming in aqueous liquids which comprises adding thereto a mixture of liquid organic compounds, boiling within the range of approximately 133–210° C., obtained by the hydrogenation of carbon oxide under high pressure.

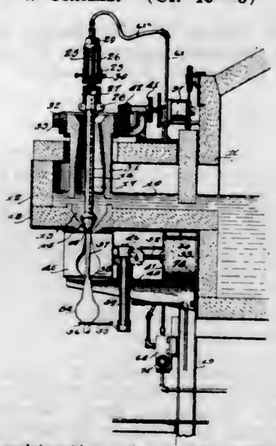
1,981,636

APPARATUS FOR FORMING HOLLOW GLASS ARTICLES

Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application April 21, 1930, Serial No. 445,894

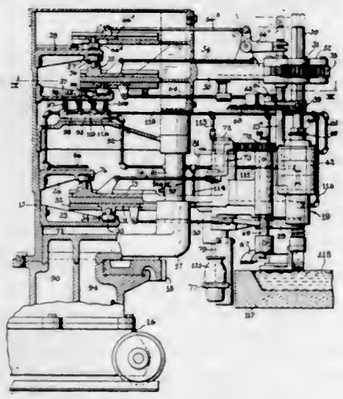
2 Claims. (Cl. 49—5)



1. The combination of a mold comprising horizontally separable sections, means for periodically opening and closing the mold, means for

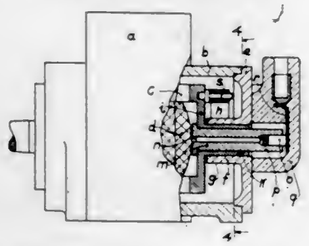
blowing a parison of glass in the closed mold, a support below the mold, and means for swinging said support to an operative position beneath the mold when the latter closes for supporting a preceding formed article connected to the parison in the mold.

1,981,637
MACHINE FOR FORMING HOLLOW GLASSWARE
Leonard D. Soubier, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application November 1, 1930, Serial No. 492,711
27 Claims. (Cl. 49—5)



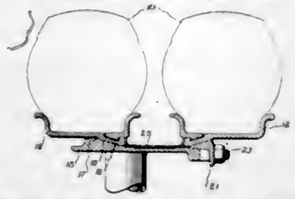
1. In a machine for forming hollow glass articles, the combination of a finishing mold, a blank mold nested therein and open at one end to receive a charge of glass, means for drawing molten glass by suction from a pool through said open end into the nested blank mold and forming a parison, means for withdrawing the blank mold and leaving the parison in the finishing mold, and means for blowing the parison in the finishing mold after the blank mold has been withdrawn.

1,981,638
MAGNETO IGNITION APPARATUS
Wilhelm Walther, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application August 8, 1931, Serial No. 556,003
In Germany September 8, 1930
7 Claims. (Cl. 171—209)



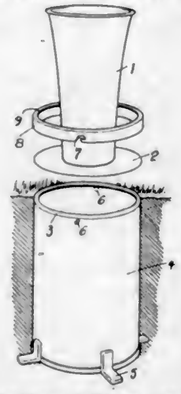
6. In a magneto including a casing, armature and contact breaker rotatable with the armature, the provision of an end cover member for the casing adjacent the contact breaker, said cover member being provided with a boss having an external cam surface formed thereon for actuation of the contact breaker.

1,981,639
DUAL WHEEL
Alva W. Woodward, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application July 14, 1931, Serial No. 550,650
3 Claims. (Cl. 301—13)



1. A wheel body having a periphery provided with an undulated surface comprising laterally spaced portions, similarly tapered axially, the inboard tapered portion terminating radially inwardly of the radially outermost end of the outboard tapered portion, whereby the inboard tapered portion serves as a guide to cutting the outboard portion until the tapers coincide.

1,981,640
CEMETERY VASE
Hastings W. Baker and Sallie Y. Baker, Dayton, Ohio; said Sallie Y. Baker assignor to said Hastings W. Baker
Application January 18, 1934, Serial No. 707,144
6 Claims. (Cl. 47—41)

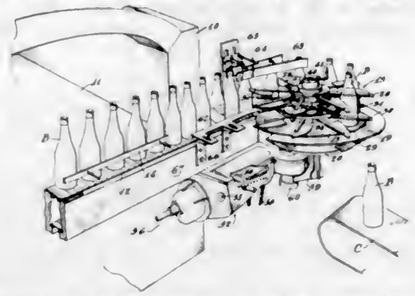


1. In combination with a vase and its base plate, a container, outstanding lugs on said container, a ring provided with slots to receive said lugs, and means forming a part of said ring to engage the base plate so as to hold said base plate against the top of said container.

1,981,641
BOTTLE HANDLING APPARATUS
Joseph P. Benoit, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 16, 1933, Serial No. 660,994
7 Claims. (Cl. 198—22)

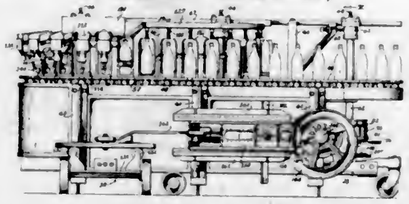
1. In combination, a horizontal cross conveyor from which bottles are adapted to be transferred in groups to a glassware annealing leer, a bottle spacing apparatus at one end of the cross conveyor including a circular horizontal table disposed in the same plane with the ware supporting reach of the cross conveyor and rotatable about a vertical axis, two superposed annular series of bottle pushing fingers arranged above and

rotatable with said table, means in effect forming a continuation of the table over which bottles are adapted to be pushed from said table to the cross conveyor, means cooperating with said pushing fingers in pushing the bottles from the table to



the conveyor, and a series of steadying fingers disposed between the two annular series of pushing fingers, said steadying fingers individual to the pairs of superposed pushing fingers and disposed in advance thereof for contact with the forward sides of bottles resting upon the table.

1,981,642
APPARATUS FOR HANDLING BOTTLES AND JARS
Joseph P. Benoit, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 17, 1933, Serial No. 685,615
17 Claims. (Cl. 198—27)

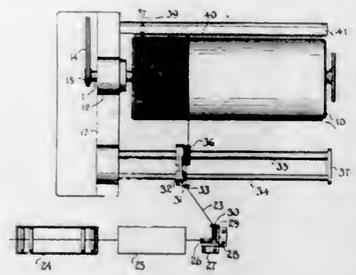


1. In combination, a horizontal conveyor mounted for movement past article receiving and discharging stations, a series of cradles moving in a closed horizontal path a part of which overlies said conveyor, means for imparting continuous movement to the conveyor and cradles, a loading conveyor arranged at the receiving station in position to deliver articles to the cradles, means for moving at least a part of said loading conveyor lengthwise of the path of travel of the cradles and substantially at the same speed as the latter during delivery of articles to the cradles, means for successively actuating the cradles to effect upright positioning of articles upon the horizontal conveyor, and means operating automatically for removing the articles from said horizontal conveyor at the discharging station.

1,981,643
VISCOSE SPINNING SOLUTION
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 29, 1933, Serial No. 704,514
4 Claims. (Cl. 106—40)

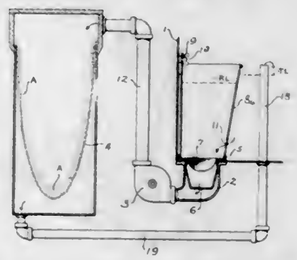
1. A spinning solution for the manufacture of soft-lustre products comprising a viscose solution and an aliphatic ester of a mono-thiocarbonic acid uniformly dispersed therein.

1,981,644
BELT
Raymond S. Carter and Harold G. Dick, Akron, Ohio, assignors, by mesne assignments, to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application May 22, 1930, Serial No. 454,596
1 Claim. (Cl. 74—231)



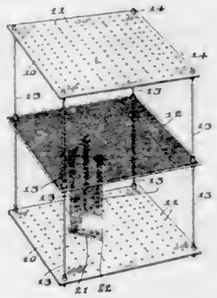
A V-belt comprising an endless band of rubber of substantially V-shaped cross-section, a load-bearing layer composed of a plurality of turns of a single helically-wound textile cord embedded in substantially the neutral axis of the band, and a layer of open-mesh bias-cut fabric also embedded in the rubber inwardly of said layer of cord and separated therefrom by portions of the rubber, said open-mesh fabric serving to maintain the successive turns of cord in a single plane yet leaving the entire body freely flexible.

1,981,645
DRY CLEANING APPARATUS AND METHOD OF UTILIZING FILTER AID IN CONNECTION THEREWITH
John Gans, Grymes Hill, Staten Island, N. Y., assignor to Columbia Appliance Corporation, New York, N. Y., a corporation of New York
Application August 27, 1932, Serial No. 630,610
7 Claims. (Cl. 210—62)



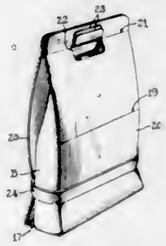
7. In dry cleaning apparatus, the combination of a washer including a washing compartment, an auxiliary compartment provided with an opening through which to admit filter aid, a direct hydrostatic connection between said washing and auxiliary compartments whereby the liquid level of the washing compartment under static conditions would find itself in said auxiliary compartment, a discharge port for said washing compartment, said port being connected with said auxiliary compartment to cause circulation of some of the liquid discharging from said washing compartment in said auxiliary compartment, a filter connected with said discharge port for filtering liquid from said washing compartment, and means for returning filtered liquid from the filter to the washing compartment.

1,981,646
MEANS FOR TEACHING MATHEMATICS AND EXHIBITING MATHEMATICAL PROBLEMS
Herbert R. Hamley, London, England, assignor to Lafayette Instruments Inc., New York, N. Y., a corporation of New York
Application November 10, 1930, Serial No. 494,776
5 Claims. (Cl. 35—2)



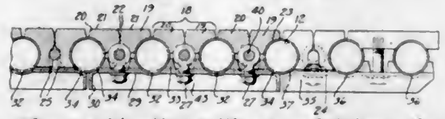
1. Means for teaching mathematics and exhibiting mathematical problems, comprising a plurality of plane plates having openings therethrough, rods disposed between said plates, means for adjustably connecting the rods at opposite ends to the plates in selected openings to dispose the plates in desired spaced apart and relatively angular relation, a rod disposed between certain of said plates, and plane frames pivotally mounted upon the said rod between said plates and adapted to be swung on the axis of the said rod to indicate various angular relations between the frames and the planes.

1,981,647
BOTTLE CARRIER
Sigfrid W. Johnson, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 4, 1932, Serial No. 584,658
4 Claims. (Cl. 224—45)



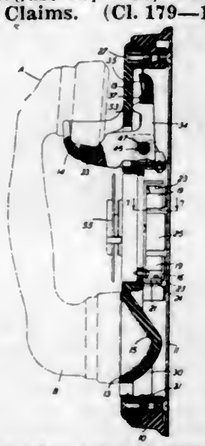
1. A bottle carrier and display medium formed from a sheet of flexible material and comprising a bottom, a pair of opposed side walls, said side walls being scored transversely near their upper ends to provide flaps, said flaps adapted to be disposed in parallel relation and centrally above the bottom at times, a handle consisting of aligned hand receiving openings in said flaps, one of said side walls having a transverse score line substantially midway its height and adapted to be folded outwardly and downwardly about said score line to display the contents of the carrier, the flap on said folded wall being extended beneath the bottom of the carrier, and a band encircling and constricting a part of the carrier just above the bottom thereof and holding the bottles against relative movement in said carrier.

1,981,648
FURNACE WALL STRUCTURE
Walter Francis Keenan, Jr., Pelham Manor, and William Huger Hardie, New York, N. Y., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application May 1, 1931, Serial No. 534,234
13 Claims. (Cl. 122—6)



1. The combination with spaced tubes, of armor blocks therefor and a plurality of rigid backing members secured to said blocks and arranged in rows extending across said tubes, each of said backing members being arranged to engage more than two adjacent tubes and being independent of and unconnected with the other backing members and being formed with a plurality of tube receiving recesses and means securing said backing members to said tubes, backing members in adjacent rows being arranged in staggered relationship with each other.

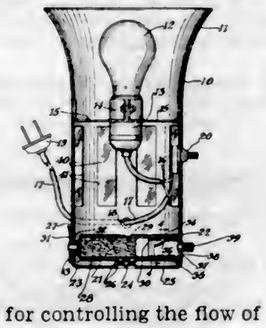
1,981,649
TELEPHONE SUBSTATION APPARATUS
Douglas H. King, Irvington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1930, Serial No. 476,493
13 Claims. (Cl. 179—100)



1. A mounting for a hand telephone comprising a hollow base, a face plate secured thereto and having an arcuate receptacle portion projecting outwardly from and at substantially right angles to the front surface thereof for accommodating the receiver of a hand telephone, contact members within said base, and means for actuating said contact members in response to the placement of said receiver in said receptacle and the removal of the receiver therefrom, comprising an angular member pivotally mounted on said face plate and having an arm disposed in said receptacle portion.

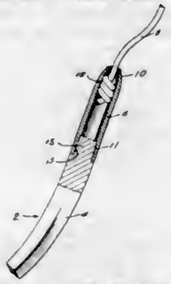
1,981,650
ODORIZING LAMP
Peder Larsen, Canton, Ohio
Application December 15, 1933, Serial No. 702,552
7 Claims. (Cl. 240—2)

1. An odorizing lamp including a housing, a body of substance containing a volatile material within the housing, a source of heat within the housing for causing air to flow through the housing and to contact with said body of substance,



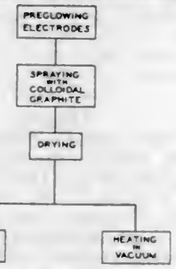
and a valve for controlling the flow of air through the housing.

1,981,651
SURGICAL NEEDLE AND SUTURE
Owen J. Logan, Flushing, N. Y.
Application June 23, 1933, Serial No. 677,192
1 Claim. (Cl. 128—339)



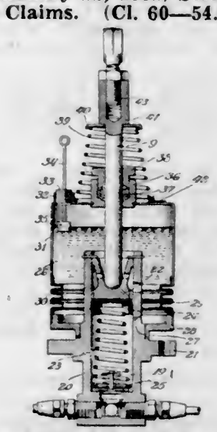
In combination, a surgical needle having a point and a shaft and a shell-like suture holder, means enabling the holder to be attached to and detached from the shaft in axial alignment therewith, said holder having an axial bore and having its outer surface flush with the shaft at the point of attachment thereto, and being of equal diameter with said shaft throughout a substantial distance from its point of attachment, said holder being stream-lined towards its end remote from the shaft and having its bore so reduced adjacent said end as to serve as holding means for a suture.

1,981,652
METHOD OF COATING ELECTRODES
George E. Long, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 28, 1931, Serial No. 533,577
3 Claims. (Cl. 250—27.5)



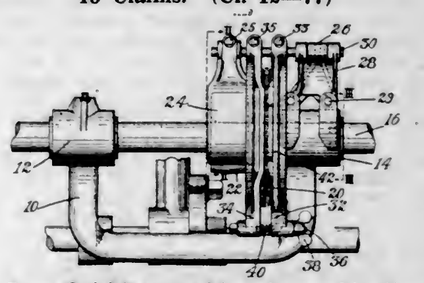
1. The method of carbonizing an electrode for an electron discharge device which comprises preglowing the electrode to remove occluded gases, coating the electrode with a colloidal graphite solution, and heating the electrode at temperatures from 500 to 900° C.

1,981,653
HYDRAULIC BRAKING APPARATUS
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application January 22, 1932, Serial No. 588,045
6 Claims. (Cl. 60—54.6)



1. In mechanism of the class described, the combination of a master cylinder, a rigid support therefor, a piston reciprocable in said cylinder, a piston rod for said piston, said rod and piston having a pivotal connection, means for advancing said rod and for moving it about said pivotal connection, and a reservoir communicating with said cylinder, said reservoir including a base rigid with said cylinder, a top closely fitting said piston rod and laterally movable therewith, and a resilient wall connecting said top and said base and permitting relative angular movement therebetween.

1,981,654
POLISHING MACHINE
Michael Lucey, Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 9, 1929, Serial No. 331,317
18 Claims. (Cl. 12—77)



1. In a finishing machine, in combination, a rotary brush, and a member adjustably mounted for movement laterally of the brush and radially about an axis remote from that of the brush, said member having contiguous bristle and work engaging surfaces the intersection of which is disposed within both the normal lateral and peripheral boundaries of said brush.

1,981,655
TRACKLESS TRANSPORTATION SYSTEM
Herman F. Lucke, Jr., Baltimore, Md.
Application February 16, 1933, Serial No. 657,044
3 Claims. (Cl. 104—245)

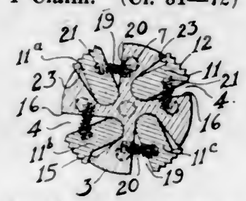
1. In a trackless system of transportation of passengers and/or freight along a roadway in-

cluding curves, the combination of a slot extending along such roadway and about the curves thereof, said slot having a substantially uniform and determined width of opening, the surface of the roadway on opposite sides of the slot being substantially smooth and devoid of tracks, a pair of carriages, a car body pivotally mounted on said carriages respectively, each carriage being provided with a plow at its for-



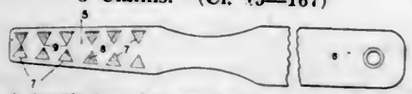
ward and at its rearward ends, each plow having a dimension in the direction of the extension of the slot greatly exceeding the width of opening of the slot; each plow being of rigid metallic material, said plows combinedly serving to withstand with due factor of safety the stresses incident to engagement of the respective plows with the slot inclusive of its curves to guide the carriages respectively in paths corresponding to the path of the slot.

1,981,656
BACK-UP TOOL
Hulbert I. Masters and Thomas Cunningham, Mannington, W. Va.
Application December 29, 1931, Serial No. 583,656
1 Claim. (Cl. 81—72)



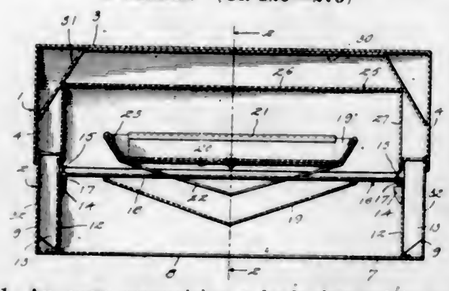
A back-up tool for casings, comprising a mandrel having a solid head provided with circumferentially spaced openings through its end and sides forming slots having one wall thereof projecting circumferentially in the direction of the working rotation of the head and forming an abutment wall, a cam in each slot swingably mounted therein by means of a single arm protruding from the base of the cam and cooperating with a recess in the bottom of the slot, said cam having a portion of the side facing the abutment wall inset to form a lip on the outer edge of the cam adapted to engage and partially override the projection of said wall, serrations on the outer surface of the cam forming a gripping surface therefor, means for yieldably exerting pressure against the cam to swing it toward the abutment wall whereby the gripping surface of the cam is caused to protrude from the slot and engage the casing wall, and a cover plate for the mandrel preventing longitudinal movement of the cam members within the slot.

1,981,657
TOOTHBRUSH
Romie H. Miller, St. Louis, Mo.
Application March 26, 1934, Serial No. 717,379
3 Claims. (Cl. 15—167)



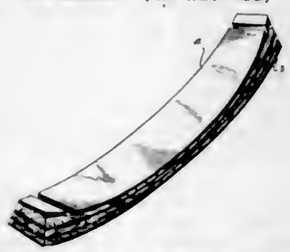
1. A tooth brush provided with a bristle field formed of tufts, said tufts being angular in cross section and having their free ends cut off in planes inclined to their axes, said planes being so located as to form an apex at one angle of each tuft.

1,981,658
OVEN
Jesse H. Mosshammer, Wapanucka, Okla.
Application July 7, 1932, Serial No. 621,293
3 Claims. (Cl. 126—275)



1. An oven comprising a body formed to provide a chamber, an opening in the bottom of said chamber for the entrance of heat directly thereinto from a heating device, means within the chamber for supporting a body to be baked, and means within and spaced from the wall of the chamber adapted to overlie and partially enclose the body supporting means for receiving steam rising from a baking body, the said means being imperforate and retaining the steam as a blanket about the baking body to prevent excessive loss of moisture therefrom.

1,981,659
STAVE OR BOTTOM FOR BARRELS AND VATS, ETC.
Georg Müller, Leipzig, Germany
Application September 19, 1933, Serial No. 690,046
In Germany September 7, 1933
3 Claims. (Cl. 217—88)

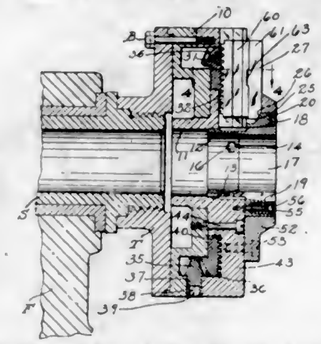


1. A stave for barrels and the like composed of a plurality of superposed united layers of wood extending the full length of the stave, and layers of wood of shorter length between adjacent full-length layers at the ends of the stave, to provide stave end portions of greater thickness than the medial portion thereof.

1,981,660
COLLET CHUCK
Charles W. Olson, Cleveland Heights, Ohio
Application March 15, 1933, Serial No. 660,827
1 Claim. (Cl. 279—46)

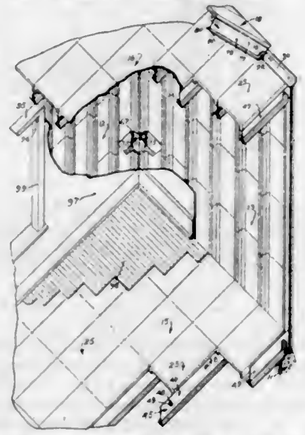
In a chuck, the combination of a chuck body, a collet in axial alignment with and secured to said body and provided with a plurality of jaws extending outwardly from said body, said collet jaws having their outer surfaces bevelled, a ring provided with a corresponding internal bevel arranged to coact with the bevelled surfaces of the collet jaws whereby an axial movement of the ring will cause a contraction of

the jaws, said ring being provided with a plurality of tapered surfaces, a plurality of members movable radially relative to the chuck body and arranged to engage said tapered surfaces to cause said ring to be moved axially,



each of said members being provided with teeth, a scroll plate rotatably mounted in the chuck body and threadingly engaging said teeth and means to rotate the scroll whereby the collet may be expanded and contracted as desired.

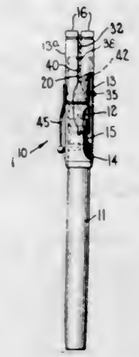
1,981,661
BUILDING CONSTRUCTION
Frederick W. Pfeifer, West Allis, Wis.
Application May 24, 1933, Serial No. 672,627
29 Claims. (Cl. 72—1)



1. In a building construction, a load bearing member comprising, a plurality of pre-formed sections, a joist comprising a web, and a tension member on the lower edge thereof, and means to attach said sections to the upper portion of said web.

1,981,662
CHECK PROTECTING DEVICE
Leopold Pollock, New York, N. Y.
Application April 21, 1932, Serial No. 606,553
9 Claims. (Cl. 101—24)

1. A fountain pen comprising, in combination, a barrel having a pen point at one end, a tubular member open at one end thereof screwed to said barrel, the other end of said member being slit for receiving a sheet of paper, means mounted within said member for mutilating a portion of said sheet, and adjustable stop means adapted to contact an edge of said sheet, said means comprising a tubular member slidably mounted within said first member and having an end wall at one end thereof and being open at the opposite end thereof, and receiving said pen point in said open end thereof.



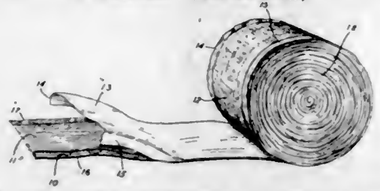
8. A tubular member provided with a pair of longitudinal, diametrically disposed slots forming arms of semi-circular cross-section adapted to be pressed toward one another, a frame mounted within each arm, each frame comprising a pair of parallel, semi-circular, spaced walls contacting the inner surfaces of one arm and interconnected by a flat wall substantially in the plane of said slots, said flat wall being formed with a central opening, said semi-circular walls being provided with lugs, and said arms being provided with openings for receiving said lugs, and a roller mounted on said spaced semi-circular walls of each frame and having a portion projecting through said central opening.

1,981,663
DECORATIVE ARTICLE
Leo Pollock, New York, N. Y.
Application May 11, 1933, Serial No. 670,450
2 Claims. (Cl. 240—10)



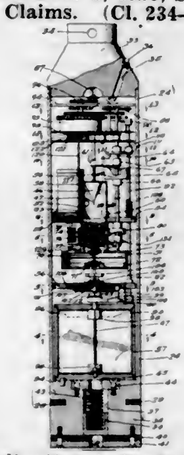
1. An ornamental device comprising a member having a central cut out portion, an insulating ring fixed on said member and disposed in a plane perpendicular to the plane of said member, a lamp having a screw base extending through the opening in said ring and a socket having a screw shell, screwed to said base, the bulb of said lamp being disposed within said cut out portion and said cut out portion being substantially larger than the bulb of said lamp to permit unscrewing of said lamp from said base and removal of said lamp from said ring.

1,981,664
METHOD OF PRESERVING POLES
Donald A. Quarles, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1930, Serial No. 463,142
2 Claims. (Cl. 99—12)



1. A means for protecting wooden poles and the like comprising a strip of fibrous material, a layer of pasty preservative on said fibrous material, said preservative spaced away from the edge of said fibrous material, and a strip of moisture-proof paper overlying said preservative and extending a short distance on the underside of said fibrous material for maintaining said preservative in a moist condition, said paper being removed before the protective means is applied to the surface to be protected.

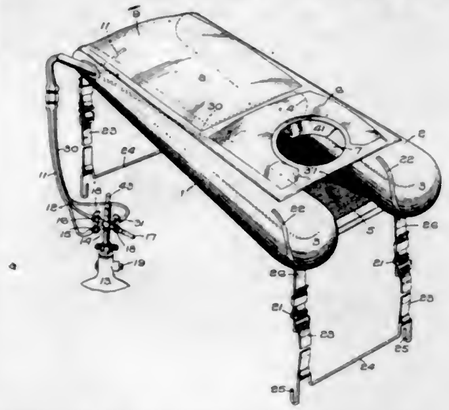
1,981,665
EARTH BORE SURVEYING INSTRUMENT
Frank Rieber, San Francisco, Calif.
Application December 2, 1929, Serial No. 411,124
11 Claims. (Cl. 234—5.3)



1. In an inclination indicating device having a blank record magazine, a magazine for completed records, means providing a space for a blank to enable it to be operated upon, means for successively moving a blank first to said space and then into the completed record magazine, a direction marking member, and inertia controlled means for causing the direction marked to operate in the space and for causing the record blank moving means to operate.

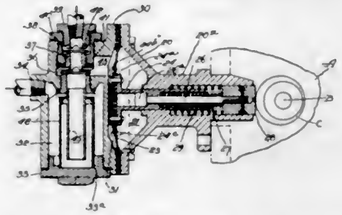
1,981,666
BED LIFT
Frederick Thomas Ridley, London, England, assignor to Frederick William Ridley, Edgbaston, Birmingham, England
Application October 2, 1933, Serial No. 691,793
In Great Britain October 4, 1932
7 Claims. (Cl. 5—327)

1. A bed lift comprising a hollow inflatable body of H form in plan, and a second inflatable compartment formed between the longitudinal



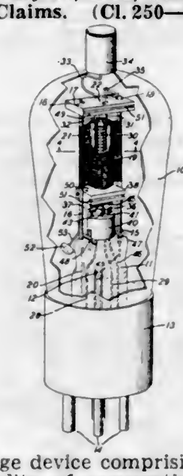
limbs and the transverse limb, the said second compartment forming a back rest.

1,981,667
FUEL PUMPING DEVICE
Edward A. Rockwell, Long Island City, N. Y.
Application March 31, 1928, Serial No. 266,152
3 Claims. (Cl. 103—38)



1. An impulse liquid feeding device comprising an impulser arranged for a variable stroke, a housing in which the impulser is mounted, a two-membered stem for the impulser, said two members being telescopically associated for movement relative to each other affording lost motion between them in the actuation of the impulser for variable stroke, and having co-operating stops for limiting said lost-motion, the outer telescoped stem member being apertured from end to end for admitting the inner-telescoped member in the direction for encounter of said stops with each other, the inner telescoped member being dimensioned for extending through and protruding from the outer-telescoped member, and housing being formed for affording slide and guide bearing for said outer-telescoped member, and being counterbored from the end remote from the impulser forming a stop shoulder around said outer-telescoped member, a stop detachably secured on the protruding end of the inner-telescoped member dimensioned for slide fit in said counterbore, a spring lodged in the counterbore reacting between said stop shoulder and said end stop, and a second spring reacting to hold said outer telescoped member in stopped relation with said inner telescoped member, the outer-telescoped stem member being counterbored from the end remote from the impulser forming a stop shoulder facing the stop carried by the end of the inner-telescoped member, and said second spring being coiled around said inner-telescoped member and reacting between said shoulder and said stop.

1,981,668
ELECTRON DISCHARGE DEVICE
Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1931, Serial No. 539,444
11 Claims. (Cl. 250—27.5)



1. A discharge device comprising an enclosing vessel, a plurality of cooperating electrodes, a main frame including a bridging insulating member engaging one end of each of said electrodes, and an auxiliary frame including an insulating member parallel to said bridging member and positioned within the boundary of said main frame, said auxiliary insulating member being in contact with the opposite end of at least one of said electrodes.

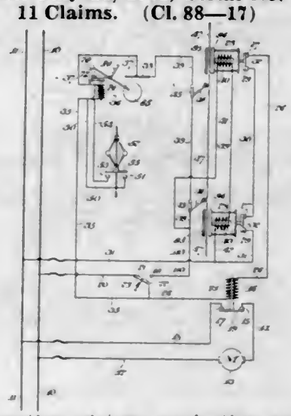
2. An electron discharge device comprising an enclosing vessel having a stem, a cylindrical anode, a main frame supporting said anode from said stem, a cathode and grid within said anode having one end in engagement with said frame, an auxiliary frame engaging the opposite end of said cathode and grid to space them with respect to said anode, and a shield member carried by said auxiliary frame surrounding the end of said cathode adjacent said stem.

1,981,669
ELECTRIC DISCHARGE DEVICE
Victor L. Ronci, Brooklyn, N. Y., and Charles Depew, Oakland, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 12, 1932, Serial No. 628,504
9 Claims. (Cl. 250—27.5)



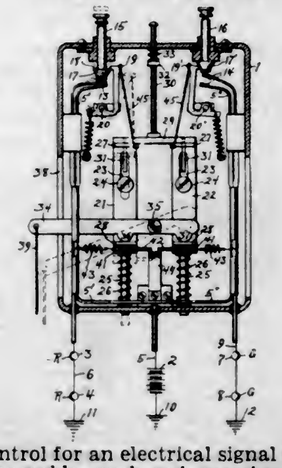
1. An electrode assembly for an electric discharge device, comprising a support, a receptacle mounted on said support, a folded ribbon cathode within said receptacle, and a plurality of heat-reflecting members adjacent and substantially encompassing said cathode, said cathode being supported from certain of said heat reflecting members.

1,981,670
SAFETY DEVICE FOR MOTION PICTURE PROJECTORS
Morris Scheinfeld, Philadelphia, Pa.
Application July 14, 1931, Serial No. 550,638
11 Claims. (Cl. 88—17)



1. In a motion picture projection machine, a motor circuit, a relay for controlling said motor circuit, a circuit indepedent of the motor circuit in which the coil of said relay is included, a dowser, a normally closed shunt circuit in the relay coil circuit, an electro-magnet adapted when energized to hold said dowser in the operating position, said magnet being included in said normally closed shunt circuit, a switch in said shunt circuit, means associated with the dowser for opening said switch when the dowser is in the light intercepting position, and means controlled by said shunt circuit for opening and closing the relay coil circuit.

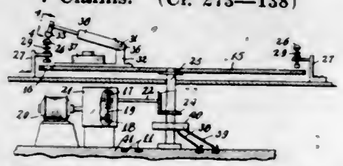
1,981,671
ELECTRIC CONTROLS FOR VEHICLE DIRECTION INDICATORS
Adam J. Schmitt, Fort Wayne, Ind.
Application February 27, 1933, Serial No. 658,771
1 Claim. (Cl. 200—59)



In a control for an electrical signal system, separately operable push-rod members, electrical contactors disposed to be closed respectively by

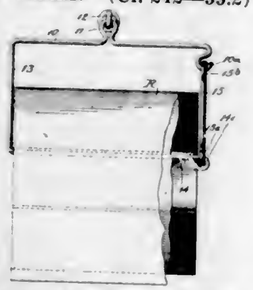
said members when said members are manually operated, spring-restrained latches arranged to lock said members respectively when moved to contact closing position, spring-restrained slides each operatively connected with a corresponding one of said latches and each having an insulated pin, another contactor disposed to have contact with said pins respectively upon operation of said slides, a lever disposed to selectively move said slides accordingly as actuated and having operative connection with the steering mechanism of a vehicle, and operating means for actuating said slides independent of said lever, said contactors and pins having suitable connections with an electrical signal system on said vehicle.

1,981,672
SKILL ROTATING FLASHER GAME
David Schneider and Richard J. Riehs, New York, N. Y.
Application July 28, 1932, Serial No. 625,274
Renewed May 24, 1934
7 Claims. (Cl. 273—138)



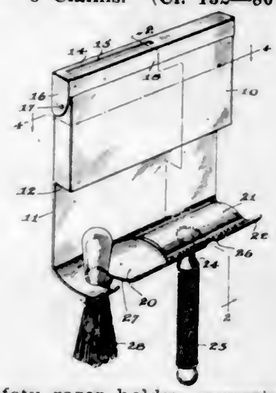
1. A skill rotating flasher game, comprising a plurality of circuits including numbered manual switches, pairs of adjacent contacts adapted to be bridged for closing the circuits, and numbered signal lamps, and a disc rotatively mounted and formed with a bayonet opening near its periphery, means for rotating said disc, a plurality of depressible plungers supported above the disc and adapted to be depressed to engage selectively in said bayonet opening for holding the disc, a hammer pivotally mounted upon said disc for selectively striking said plungers and having a swivelled head necessitating striking at the correct moment to cause satisfactory depression of the plunger, and a circuit on said disc including an electromagnet for depressing said hammer, and a pair of contacts for successively bridging said pairs of contacts for causing the signal lamps and the electromagnet to be operable upon operation of the manual switches.

1,981,673
PAPER ROLL HOLDER
Francis T. Smith, Bridgeport, Conn.
Application April 3, 1934, Serial No. 718,794
7 Claims. (Cl. 242—55.2)



3. A roll-holder for toilet-paper and the like, comprising a U-shaped frame having a horizontal leg for attachment to a support; a parallel leg over which the hollow core of a paper-roll is slid and on which the roll is rotatably supported and a side arm having stiff connections with said horizontal legs; and a gate pivotally carried at the open side of said frame on one of said legs so as in open position to form a straight extension thereof and detachably connected to the other leg to close the open side of the frame after a roll has been applied thereto and to support the free end of the roll-carrying leg.

1,981,674
CONTAINER FOR SHAVING ACCESSORIES
Morris B. Solomon, New York, N. Y.
Application April 24, 1934, Serial No. 722,189
8 Claims. (Cl. 132—80)



1. A safety razor holder, comprising a blade compartment body, and an operable closure on the body for protecting blades in the body, said compartment body having a wall and a bottom and the wall projecting below the bottom and having its lower end portion bent outwardly in spaced relation below the bottom to provide a ledge, said ledge having a slot therein opening through the edge of the ledge to receive the shank of a safety razor and the ledge being of a width to receive the head of the razor with one edge of the razor head against said wall, said ledge having its outer edge portion upturned to engage the other edge of the razor head to hold the latter in place on the ledge and protect the edges of a razor blade in the razor head.

1,981,675
METHOD OF PRODUCING SOLID CARBON DIOXIDE
Philipp Stapp, Munich, Germany
No Drawing. Application September 7, 1929, Serial No. 391,113. In Germany September 12, 1928
3 Claims. (Cl. 62—121)

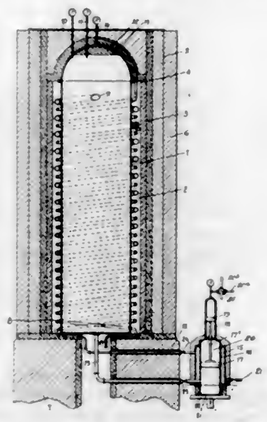
1. The method of producing solid carbon dioxide ice direct from liquid carbon dioxide, consisting in so very gradually releasing the pressure within a closed receptacle containing liquid carbon dioxide as to cause the carbon dioxide to assume a dense, solid form.

1,981,676
APPARATUS FOR THE PRODUCTION OF SOLID CARBON DIOXIDE
Philipp Stapp, Munich, Germany
Application August 1, 1930, Serial No. 472,478
In Germany August 5, 1929
10 Claims. (Cl. 62—121)

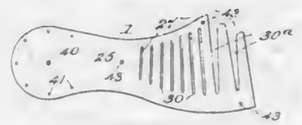
1. Apparatus for the production of solidified carbon dioxide comprising a container into which liquid carbon dioxide is adapted to be admitted,

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a piston movable within said container to exert a compressive pressure on the carbon dioxide contained within said container, said piston being constructed to permit the escape of gas from said container at such a slow rate as to cause the carbon dioxide within the container to assume a dense solid form, said container being adapted to receive a jacket-member of insulating material acting as a covering for the block of solid carbon dioxide.



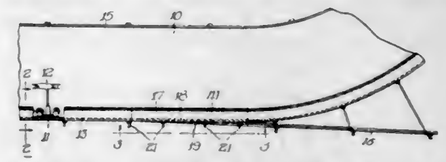
1,981,677
SHOE
David Stark, Arverne, N. Y.
Application February 17, 1932, Serial No. 593,436
1 Claim. (Cl. 36—76)



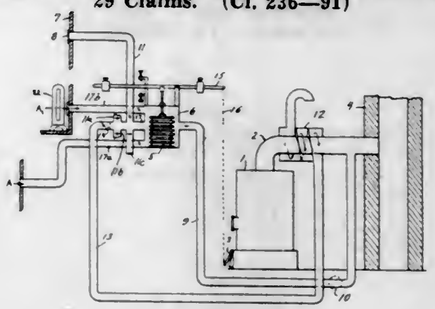
A shoe having a metal reinforcement in the bottom thereof of substantially the width of the shoe sole extending from the heel to a position adjacent the little toe on the little toe side, said reinforcement having torsional resistance acting to counteract displacement of the heel of the shoe from its normal position in the tripod relation which it bears to two points in the sole under the little toe and under the ball of the foot, said reinforcement having slots running transversely of said reinforcement under the part of the foot which sustains the weight, and which bends in walking, for imparting longitudinal flexibility while maintaining torsional rigidity, some, at least, of said slots passing through the edge on the "inside" side.

1,981,678
DOG RACING APPARATUS
Harry B. Staver, Chicago, Ill.
Application May 24, 1933, Serial No. 672,622
4 Claims. (Cl. 104—100)

1. In dog racing apparatus, an endless mono-rail track at one side of a course, a motorized lure-supporting car having wheels which engage with the upper and lower edges of the track, a mono-rail track leading off to an escape, a switch between the main track and the escape track characterized by two vertically movable mono-rail track sections, a pivoted bell crank lever having one arm which is slidably connected with the switch, and a long operating rod which is pivotally connected with the other arm of the bell crank lever.



1,981,679
FURNACE CONTROL
Russell W. Stem, Bethlehem, Pa.
Application November 30, 1931, Serial No. 578,072
29 Claims. (Cl. 236—91)

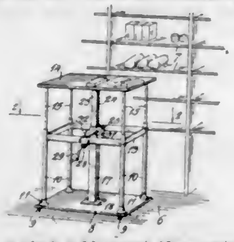


1. An improved heating furnace control comprising a thermostat chamber, means for maintaining a flow of air from an enclosed space to be heated through said chamber, means for maintaining a flow of a gaseous medium the temperature of which reflects the temperature of the gases escaping through the furnace stack through the same said chamber, means for maintaining a flow of a gaseous medium the temperature of which reflects the temperature of a third factor affecting the temperature of the enclosed space to be heated through the said chamber, means for proportioning the relative rates of flow of said air and of said gaseous mediums through said chamber, and temperature responsive means adapted to control said furnace arranged in said chamber.

1,981,680
HOISTING TABLE
Richard J. Tindale, Denver, Colo.
Application May 4, 1934, Serial No. 723,886
1 Claim. (Cl. 254—6)

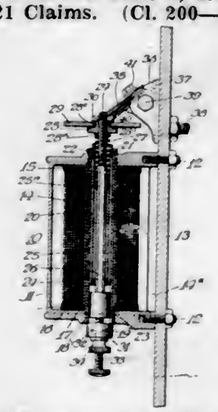
A device of the class described, comprising, in combination, a base, a plurality of tubular guide posts secured thereto and extending upwardly therefrom, a top provided with a guide member for each guide post and telescopically connected therewith, a hoisting device interposed between the base and the top for raising and lowering the top with respect to the base, said means comprising a rack bar attached to the under surface of the table top at its center point and projecting downwardly therefrom, a rack housing attached to the upper surface of the base and provided with an opening for the reception of the rack, a pinion pivotally connected with the housing and operatively associated with the rack, brace members connecting the upper ends of the guide posts, one of said brace members having a bearing, a

pinion shaft extending through the bearing, a pawl carried by the rack housing, and means ac-



cessible at a point adjacent the outside of a brace member for controlling the pawl.

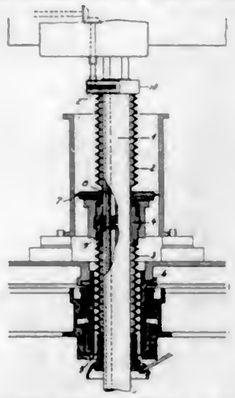
1,981,681
ELECTRICAL DEVICE
Edwin S. True, Oak Park, Ill.
Application December 23, 1927, Serial No. 242,130
Renewed June 7, 1933
21 Claims. (Cl. 200—95)



1. A solenoid device comprising a magnet coil, a core therefor comprising a stationary portion and a movable portion, said portions being adapted to be separated by an air gap when said magnet coil is de-energized, parts associated with and supported by said movable portion, resilient means for suspending said movable portion in a vertical balanced position within said magnet coil and opposing only the action of gravity on said movable portion and associated parts when said magnet coil is de-energized, and an adjustable member for varying the length of the air gap between the portions of the core when the magnet coil is de-energized and for limiting the movement of said movable portion.

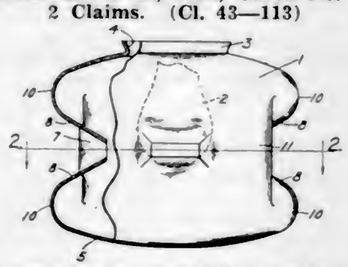
1,981,682
MACHINE TOOL
Hermann Vogler, Dusseldorf, Germany, assignor to Schiess-Defries Aktiengesellschaft, Dusseldorf, Germany
Application December 3, 1931, Serial No. 578,726
In Germany September 26, 1930
1 Claim. (Cl. 77—4)

A device for protecting the stationary boring rod of vertical lathes, in which the work rotates upon a table and the boring rod carries an axially movable boring head, comprising sheaths of elastic material in the form of continuous jackets of the material adapted to collapse after the manner of a bellows and to extend respectively over the exposed parts of the boring rod lying at the two sides of the boring head, and an immovable sleeve closely fitting around the lower end of the boring rod, the said sheaths being secured at the one end to the boring head and the upper sheath being secured at the upper end to the head of the boring rod, and the lower sheath being secured at the lower end to the immovable



sleeve, in combination with a work table supporting spindle of hollow construction affording an annular space around the boring rod, in which space is disposed the immovable sleeve and the lower sheath and into which the boring head may enter.

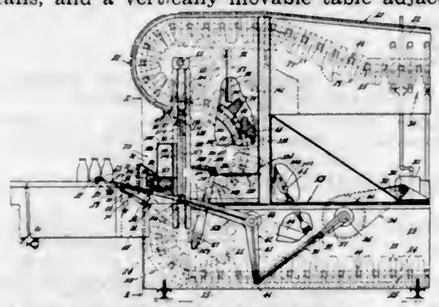
1,981,683
INSECT TRAP
Russell E. Wentzell, Greensburg, Pa.
Application March 12, 1934, Serial No. 715,141
2 Claims. (Cl. 43—113)



1. An insect trap, comprising a casing having side and end walls, one of the end walls being open to receive a source of light, said side wall having a plurality of depressions spaced at substantially equal distances one from the other therearound and being midway between the ends of the casing, each of said depressions having converging sides terminating in a horizontal slot exposing the source of light, there remaining a relatively narrow rib of the side wall between adjacent depressions.

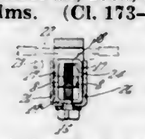
1,981,684
BOTTLE HANDLING MECHANISM
Robert J. Wynne, Bellwood, Ill., assignor to Irving D. Porter, River Forest, Ill.
Application September 27, 1933, Serial No. 691,124
4 Claims. (Cl. 198—20)

1. Bottle handling mechanism comprising conveying means and bottle carrying cups mounted on said conveying means, means for guiding said conveying means through a semi-circular path, means for retaining bottles in said cups during the movement of the conveying means and bottle carrying cups through the semi-circular path, roller means adjacent the end of said retaining means for receiving bottles from said retaining means being adapted through rotation to bring said bottles into a vertical position, means for rotating said roller means, and a vertically movable table adjacent



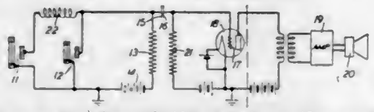
said roller means and adapted in one position thereof to receive bottles from said roller in an upright position, and means for moving said table in a vertical path.

1,981,685
WIRE CONNECTER
Jasper Blackburn and James A. Weaver, Jr., Webster Groves, Mo.
Application September 22, 1932, Serial No. 634,328
13 Claims. (Cl. 173—273)



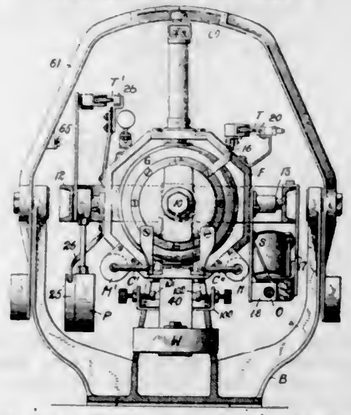
7. In a device of the kind described, a keeper lug having a wire slot closed at one end and opening out thru the lug, a thimble slidably mounted upon the lug with its open end opposed to the closed end of the wire slot of the lug, and adapted to close thereover, the outer closed end of the thimble having an aperture therethru, a looped bearing yoke mounted within the thimble, the same including a pair of spaced legs disposed longitudinally at the inner faces of the opposed walls of the thimble and a connecting bight extended slidably thru the slot of the lug in approximate alignment with the margins of the thimble, and means extended thru the aperture of the outer end of the thimble and disposed within the looped bearing yoke mounted as aforesaid within the thimble, for forcing the thimble to close over the lug and slot thereof as aforesaid.

1,981,686
VIBRATION TRANSLATING SYSTEM
Lee G. Bostwick, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 18, 1931, Serial No. 563,560
2 Claims. (Cl. 179—1)



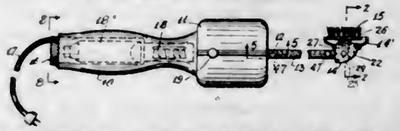
1. In a sound translating system, the combination of a large condenser transmitter, a small condenser transmitter, an amplifier common to the transmitters and having an input impedance correlated to the impedance of the transmitters so as to give suitable response at low frequencies for the large transmitter but not for the small transmitter, and filter means for confining the response of the large transmitter to the low frequency range.

1,981,687
GYROSCOPIC BASE LINE
Leslie F. Carter, Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application April 5, 1928, Serial No. 267,761
13 Claims. (Cl. 33—204)



1. In a device of the class described, a frame, a fixed support, a gyro unit supported by said frame for movement about a vertical pivotal axis and having a horizontal spinning axis, and means for universally supporting said frame in said fixed support about horizontal axes in the plane of said spinning axis whereby inclination of said gyro unit with respect to the vertical is prevented when said fixed support is inclined with respect to the horizontal.

1,981,688
ELECTRIC BRUSH FOR TEETH AND THE LIKE
Vincent Conti, New York, N. Y.
Application February 19, 1934, Serial No. 711,867
5 Claims. (Cl. 15—28)

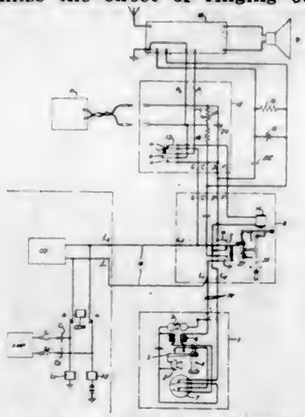


1. An electric brush for teeth and the like, comprising a handle attached on a motor having a drive shaft extending through a tubular member attached on said motor, bearings with rotative brushes equipped with drive elements, a casing on the end of said tubular member and having an opening for supporting said bearings of rotative brushes equipped with drive elements one at a time, and a drive mechanism on said shaft adapted to coact with said drive elements, said drive mechanism including a spur gear and a worm pinion for selectively engaging with the drive element on one of said brushes depending upon the design of said drive element.

1,981,689
PROGRAM DISTRIBUTING SYSTEM
Gerald Deakin, Louis J. J. Schreiber, Stanislas Van Mierlo, Frank de Fremery, Cornelis A. J. Pulles, and Carolus A. Willemse, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1933, Serial No. 685,280
In France October 29, 1932
11 Claims. (Cl. 179—2)

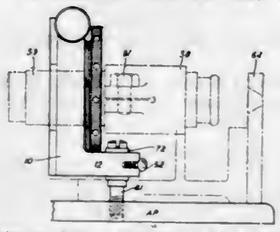
1. In a system for distributing program service over telephone wires, a telephone line, an

amplifier and a loud-speaking receiver for receiving program service over said line, and means to minimize the effect of ringing current ap-



plied to said line on said loudspeaker comprising a rectifier in a branch of said line, and means to apply said rectified current to said amplifier to block said amplifier.

1,981,690
FIXTURE
Anthony C. De Napoli, Jr., East Orange, N. J., and Jackson O. Kleber, Yonkers, N. Y., assignors to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application November 12, 1931, Serial No. 574,508
8 Claims. (Cl. 88—24)

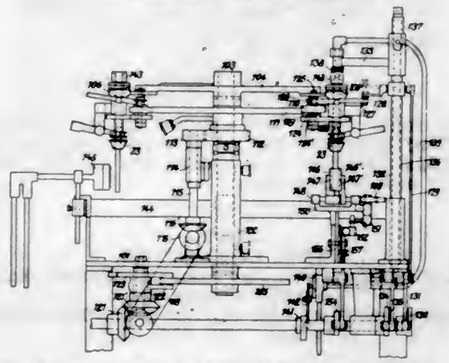


1. A fixture for adjusting the lens tube assembly of a talking motion picture machine having a bracket for the lens tube, said fixture comprising a pair of mechanisms for adjusting the tube in two directions, one of said mechanisms operating for imparting an axial movement to the lens tube in said bracket and the other of said mechanisms operating for imparting a movement at an angle with respect to said axial movement said mechanisms operating independently of each other, and each operating without altering the adjustment effected by the other, and a plurality of means for attaching and removing said fixture from the lens tube and said bracket, the lens tube remaining in adjusted position in said bracket.

1,981,691
RUBBER MANUFACTURE
Adam Joan Adriaan Yssel de Schepper, The Hague, Netherlands
No Drawing. Application July 15, 1932, Serial No. 622,819. In Great Britain August 21, 1931
18 Claims. (Cl. 18—50)

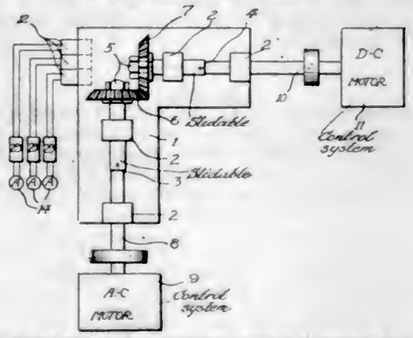
1. A method for making and obtaining rubber in powdered form, from dispersions or solutions, comprising dividing the liquid in the form of non-cohering drops, catching the drops apart from each other on a drying surface by applying a relative movement between the supplying apparatus and the drying surface, and removing the dried non-cohering rubber particles.

1,981,692
FEEDING MEANS FOR GLASS TUBE MANIPULATING MACHINES
Jakob Dichter, Schoneberg, Berlin, Germany
Application April 20, 1933, Serial No. 667,067
In Germany April 27, 1932
11 Claims. (Cl. 49—7)



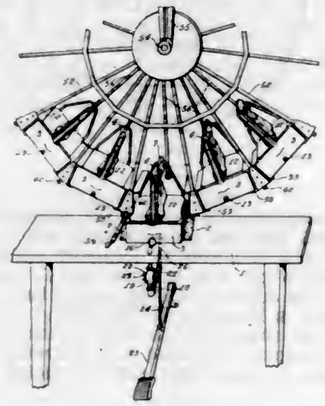
11. In a machine for molding glass tubes, a rotary molding mechanism, chucks on said rotary mechanism, means for rotating said chucks, means for throwing out said chuck-rotating means, means for indexing said rotary mechanism through several operating stations, tube-treating means at individual stations, a feeding mechanism at one of said stations comprising a container for a supply of glass tubes, means for presenting the individual tubes from said container to said chucks as they are arrested at said last-mentioned station, and means for pushing the tubes into said chucks.

1,981,693
GEAR TESTING APPARATUS
Floyd A. Firestone, Ernest J. Abbott, and Harvard B. Vincent, Ann Arbor, Mich.
Application October 24, 1929, Serial No. 402,260
7 Claims. (Cl. 73—51)



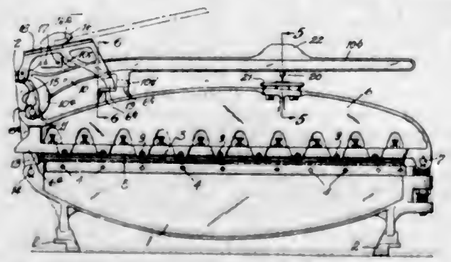
5. Apparatus for testing gears comprising two rotatable shafts adapted to receive two intermeshing gears respectively, a constant speed alternating current motor operatively mounted to drive one of said shafts at predetermined speed and a direct current motor operatively mounted to drive the other shaft, means for selectively energizing either motor, said motors having their armature shafts mechanically connected through said gears so that each motor functions as a loading generator when the other motor is driving, and each motor being arranged to turn the shafts in the same direction that the other motor turns them, a plurality of vibration responsive devices located within the range of influence of said intermeshing gears, and indicating devices to which said vibration responsive devices are operatively connected to operate the same.

1,981,694
MACHINE FOR ATTACHING SOLES TO SHOES
Charles F. Freeman, University City, Mo., assignor to Charles Tweedie, Jefferson City, Mo., as trustee
Application October 20, 1928, Serial No. 313,883
5 Claims. (Cl. 12—37)



3. A machine for attaching soles to shoes comprising, a movable frame, a carrier mounted removably thereon, a shoe support and a cooperating expansible sole-engaging pad on said carrier, a fluid connection on said pad, a fluid pressure connection on said frame, means operating upon placement of said carrier on said frame adapted to couple said connections, and means operating upon removal of said carrier from said frame adapted to open said pad connection.

1,981,695
SHINGLE CUTTER
Severin N. Gundlach, Belleville, Ill., assignor to Specialty Tool Manufacturers, Inc., Belleville, Ill.
Application December 26, 1931, Serial No. 583,365
13 Claims. (Cl. 164—44)



1. A shingle cutter having a main cutting means comprising a stationary knife and a pivoted knife, a swinging arm for operating said pivoted knife, and a supplemental notching knife solely supported on and swinging with said operating arm.

1,981,696
ORNAMENTAL DECORATION
Frank C. Harper, Carnegie, Pa.
Application December 13, 1933, Serial No. 702,194
2 Claims. (Cl. 41—10)

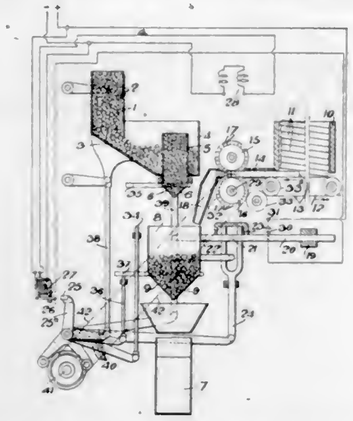


1. An ornament comprising a plurality of one-piece thin flat members having bright reflecting surfaces and connected to form a pendant-like chain, said members being of greater size and weight at one end of the chain than the other, said members being perforated at diametrically opposite points, and single one-piece connecting links joining said members, said links having looped ends passing through said perforations forming pivotal connections and a relatively elongated stiff body portion between said loops whereby when said chain is supended with its heaviest end downmost the several members will assume various angular positions relative to each other about a center line passing through said apertures.

1,981,697
AUTOMATIC MEASURING AND WEIGHING DEVICE
Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark
Application March 1, 1932, Serial No. 596,055
In Great Britain March 9, 1931
6 Claims. (Cl. 249—15)

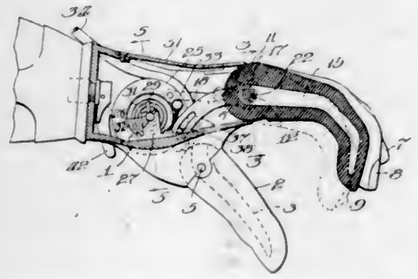
1. Automatic weighing or measuring apparatus comprising a hopper into which lumpy material is delivered, a scoop reciprocating in the base of said hopper, a weighing receptacle beneath said scoop, said weighing receptacle being movable under the influence of the weight of material delivered therein, and doors in the bases of said scoop and receptacle means for automatically successively opening said doors to transfer the contents of the scoop into the said weighing receptacle and from thence into a container, a magazine adapted to contain a supplementary supply of the lumpy material in bar form, means to sever lumps from the bar of supplementary material and to feed the severed pieces of said supplementary supply into said weighing receptacle until a predetermined weight of material is received in said receptacle, an electrical circuit, and means whereby when said receptacle is moved by the weight of material therein it makes said elec-

trical circuit, electrically operated means being included in said circuit for stopping the means



for feeding material from said supplementary supply.

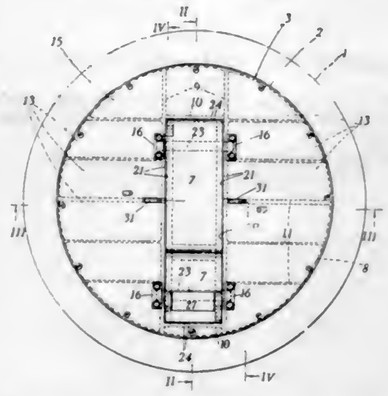
1,981,698
ARTIFICIAL HAND
Frederick Charles Henning, Chicago, Ill.
Application January 26, 1932, Serial No. 588,912
6 Claims. (Cl. 3—12)



1. A finger unit for an artificial hand comprising a single body of soft rubber in the form of four fingers joined together at the knuckles by a transverse base member, a reenforcing bar within and extending lengthwise of said base member, long, stiff reenforcing elements embedded in and extending lengthwise of said fingers, a hinge connecting one of said elements to said rod, and the other elements being fixed to said rod.

4. In an artificial hand, a hollow palm device, a member extending across the front end of said device and connected thereto for rocking movements about an axis transverse to said device, fingers projecting forwardly from said member, a thumb connected to said device for rocking movements about an axis parallel to the aforesaid axis, a disk mounted in said device for turning movements about an axis parallel to the aforesaid axes, a spring tending constantly to turn said disk in one direction, a cable fixed at one end to the disk and extending circumferentially thereof and then tangentially therefrom to turn said disk in the opposite direction, a slotted lever arm fixed to and extending from said member at right angles to the first-mentioned axis to a position beside the disk, a pin on the disk engaged in the slot in said lever arm, a lever arm fixed to said thumb, and a connecting rod extending between the latter lever arm and the disk.

1,981,699
CONTAINER FOR MOLTEN METAL
Harry Hill, Kent, England, assignor to Callender's Cable and Construction Company Limited, London, England, a British company
Application June 19, 1934, Serial No. 731,278
In Great Britain July 14, 1933
6 Claims. (Cl. 266—33)



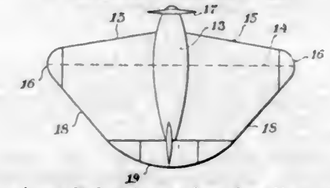
1. In combination a vessel for containing molten metal and an impermeable body, which is of solid material and structurally stable at the temperature of the molten metal adapted to float on the surface of said metal, the said body comprising a horizontally extending float which follows the shape of the vessel with only sufficient clearance to ensure free movement thereof as the level of the molten metal rises or falls.

1,981,700
AIRCRAFT
Raoul J. Hoffman, Chicago, Ill., assignor of one-half to J. L. Younghusband, Chicago, Ill.
Application September 18, 1933, Serial No. 689,822
1 Claim. (Cl. 244—12)



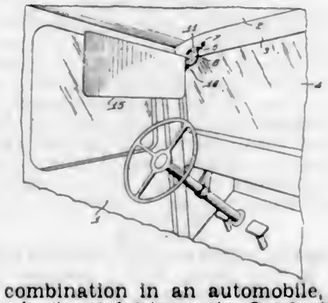
An aircraft comprising a motor, a body, a single unit flying wing surrounding and attached to the sides and rear of the body, said flying wing having curved leading and trailing edges, a leading edge of said flying wing on one side of the body lying within the propeller slipstream curved up and a similar portion of the leading edge on the opposite side of said body curved down to conform to the motion of the air in the slipstream so that substantially the same amount of air passes under both sides of the flying wing, a pair of rounded ailerons at either side of and as an integral part of said flying wing, said ailerons hinged so as to be movable downwardly for lower landing speed and upwardly for greater rising speed, a pair of stabilizers as an integral part of the rear outer edges of said flying wing, said stabilizers not for use as elevators but adjustable to have equal lift on both sides of said flying wing and to keep the airflow steadily under the surface of the flying wing for retaining longitudinal stability, a solid fixed center rear portion as an integral part of said flying wing, and a rudder extended back to the rear surface of said flying wing.

1,981,701
FLYING WING
Raoul J. Hoffman, Chicago, Ill., assignor of one-half to J. L. Younghusband, Chicago, Ill.
Application September 18, 1933, Serial No. 689,821
2 Claims. (Cl. 244—12)



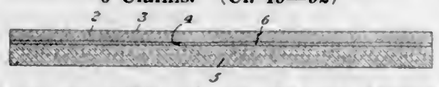
1. An aircraft having a low landing speed and an efficient flight due to a substantially undisturbed flow of air over the aircraft, comprising in combination a body, a flying wing, said body extended in front of said wing containing the power plant, an elevator forming the unbroken rounded rear end of said wing, a pair of stabilizers forming the outer edges of said wing, and a pair of ailerons forming the tips of said wing, the median line of said body and all median lines of the wing being upwardly convex.

1,981,702
GLARE SHIELD
Rex C. Jacobs, Detroit, Mich.
Application April 7, 1933, Serial No. 664,918
4 Claims. (Cl. 296—97)



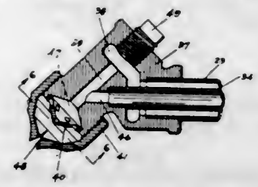
4. In combination in an automobile, a windshield, a horizontal hinge pin fixed above said windshield, a bracket hingedly connected at one end to said hinge pin for swinging through a vertical arc, a hinge member integral with the other end of said bracket at right angles to said fixed hinge pin, a shield having a hinge pin for reception by said hinge member, the axes of both of said hinge pins being contained in a common plane, said shield hinge pin being substantially vertical when said bracket resides in its lowermost position whereby said shield may be traversed through a horizontal arc about the last mentioned pin, said shield and said bracket together being swingable about said fixed pin to a position equal at least to the height of said fixed pin when starting from a position substantially parallel with said windshield.

1,981,703
LAMINATED GLASS
William L. Monro, Pittsburgh, Pa.
Application December 18, 1933, Serial No. 702,877
6 Claims. (Cl. 49—92)



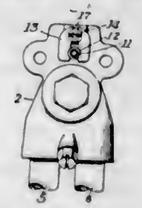
1. As an article of manufacture, laminated glass comprising a sheet of ground and polished plate glass and a sheet of drawn glass having one face thereof ground and polished and the other face thereof fire polished, said sheets being cemented together.

1,981,704
SPRAY DEVICE
Lawrence H. Moore, Wichita, Kans.
Application March 29, 1932, Serial No. 601,811
3 Claims. (Cl. 299—140)



1. A liquid spray device, comprising a head having a liquid inlet and an air inlet discharging into a mixing space, a nozzle on the head having a discharge opening communicating with the mixing space, a wall between the mixing space and the nozzle having openings through which the liquid and air pass to the nozzle, said wall consisting of a concavo-convex disc, the concave portion being directed toward the nozzle, and a perforated wall in spaced relation with the first named wall in advance of the mixing space.

1,981,705
LOCKING DEVICE
John Morris, Youngwood, Pa., assignor to Robertshaw Thermostat Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 17, 1934, Serial No. 726,045
5 Claims. (Cl. 64—29)

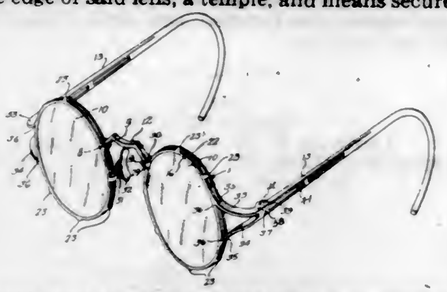


1. A locking device for locking a rotatable member, comprising a locking plate having a plurality of recesses therein extending from the edges toward the center thereof, one of said recesses being adapted to receive the rotatable member, and means cooperating with another of said recesses to spread the walls thereof, whereby the walls of the member receiving recess are moved toward each other to effect a clamping action on the member therein.

1,981,706
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application October 30, 1930, Serial No. 492,188
10 Claims. (Cl. 88—47)

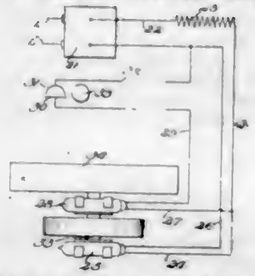
1. In eyeglass construction, in combination, a lens having an edge comprising two oblique surfaces diverging from a peripheral point thereon, a pair of parts completely encircling said lens and each engaging one of said surfaces of said edge and spaced from each other, a plurality of mem-

bers connecting said spaced parts and spaced from the edge of said lens, a temple, and means secured



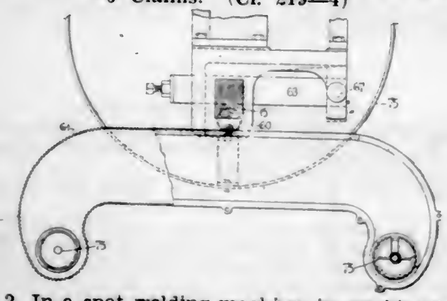
to said parts at more than one point and converging to form connecting means for said temple.

1,981,707
THERMOSTATIC CONTROL SYSTEM
Robert E. Newell, Irwin, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application May 1, 1931, Serial No. 534,209
2 Claims. (Cl. 236—46)



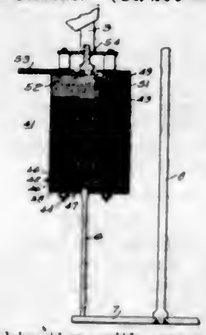
1. In a temperature responsive system, a motor to be energized, a day circuit and a night circuit for said motor, a shaft, a thermostat for rotating the shaft, a pair of mercoid switches on the shaft in relatively different angular positions, one of said switches being in the day circuit and the other in the night circuit, and being so arranged that continued operation of the shaft in one direction successively operates the switches, and time operated means for automatically opening one of the circuits at a predetermined time and closing it thereafter after a predetermined time interval.

1,981,708
STEP CHISEL WELDER
Earl J. W. Ragsdale and John C. Whitesell, Jr., Norristown, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 22, 1932, Serial No. 606,810
6 Claims. (Cl. 219—4)



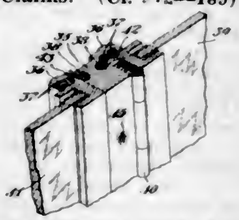
2. In a spot welding machine, in combination, step-by-step work piloting mechanism, relatively movable welding dies, power driven means arranged to automatically operate said dies and piloting mechanism in synchronism and means including a rack of work contour fixedly associated with the work and adapted for temporary cooperation with said piloting mechanism during the positioning and welding operations.

1,981,709
CIRCUIT BREAKER
Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application November 26, 1930, Serial No. 498,386. Divided and this application June 29, 1933, Serial No. 678,248
34 Claims. (Cl. 200—150)



1. The combination with separable arc drawing members of a circuit interrupter that extend through openings in a plurality of spaced insulating members supported thereabout, of insulating members having openings having one dimension larger than the corresponding dimension of the first said openings filling the spaces between some of the first said insulating members and the openings in some of said members decreasing in size along said plurality of members.

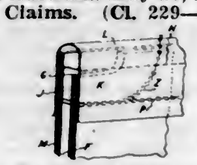
1,981,710
CABINET DOOR CONSTRUCTION
William R. Rix, Ilion, N. Y., assignor to A. N. Russell & Sons Company, Ilion, N. Y., a corporation of New York
Application January 7, 1932, Serial No. 585,263
2 Claims. (Cl. 312—189)



1. In a cabinet having a pair of doors at one side thereof, a mullion piece provided with oppositely extending flanges at the inner side thereof, said flanges constituting jambs for the adjacent ends of the respective doors and each flange having a longitudinal groove in its jamb face, the middle portion of the mullion having oppositely directed grooves opening at right angles to the jamb grooves, one of the doors being hinged to the middle portion of the mullion, and the other door having its free end closing against the opposite side of said portion, the hinged end of the first door having a projection extending parallel to the plane of the door and receivable in the groove of said middle portion, and the free end of the second door having a transversely offset

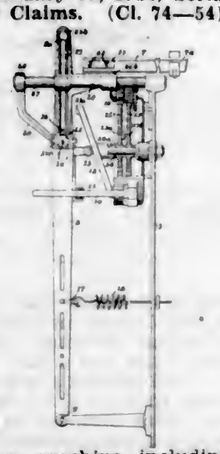
lip receivable in the groove of the adjacent jamb face, and packing material located in said grooves and adapted to be compressed by said projection and lip respectively.

1,981,711
PAPER SACK
John Russell, Sydney, New South Wales, Australia
Application May 12, 1933, Serial No. 670,766
In Australia May 27, 1932
9 Claims. (Cl. 229—62)



6. A multiply paper sack having at its top end a seam and having a filling aperture formed in one side of it parallel with and immediately below said seam, said aperture adapted to be sealed by another seam uniting the apertured side of the sack with the non-apertured side below and about the ends of said aperture after the sack has been filled.

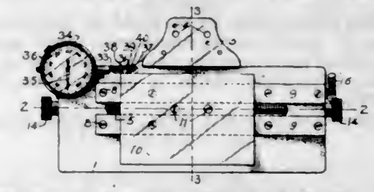
1,981,712
WINDING MACHINE
Grant Sipp, Paterson, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J., a corporation of New Jersey
Application January 31, 1934, Serial No. 709,121
2 Claims. (Cl. 74—54)



1. A winding machine including supporting structure having upwardly open bearing means, a rail slidable in the bearing means and having a head at one end thereof, means, engageable with the head vertically out of alinement with the rail, to reciprocate the latter, and a fixed guide projecting from said structure parallel with the rail and along which the head is slidable and by which it and the rail are confined against tilting.

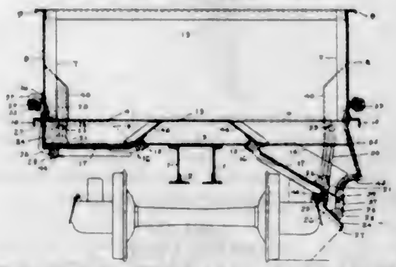
1,981,713
INCREMENT MEASURING INSTRUMENT
Roy L. Swenson, Washington, D. C., dedicated to the free use of the public
Application March 23, 1933, Serial No. 662,241
6 Claims. (Cl. 33—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device for measuring a series of dimensions of different parts of an object, comprising in combination, movable means for supporting the object in predetermined position, means for moving said supporting means a distance equal to one of said dimensions, an indicating means, means connecting said indicating means and said supporting means, said connecting means having frictional engagement with said supporting



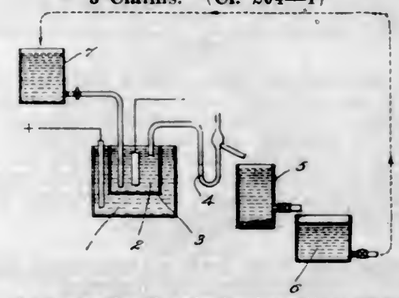
means, means for releasing said frictional engagement after the supporting means has been moved said distance equal to one of said dimensions, and means for restoring said frictional engagement after operation of the releasing means.

1,981,714
DUMP CAR
Winfield Hancock Yost, Montreal, Quebec, Canada
Application November 30, 1931, Serial No. 577,987
15 Claims. (Cl. 105—244)



1. In a dump car having an underframe, a floor and sides supported by said underframe, a portion of the floor and the car side being formed of doors below the top of said underframe and pivoted thereto, and extending continuously from end to end of the car, and means for operating said doors.

1,981,715
ELECTRODEPOSITION OF METALS
Ralph Hall Atkinson, Acton, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application July 9, 1932, Serial No. 621,619
In Great Britain July 11, 1931
3 Claims. (Cl. 204—1)



1. A process for the electrodeposition of a metal or alloy which comprises establishing a porous pot diaphragm cell containing an ammoniacal anolyte substantially free from a metal compound, an insoluble anode, and a catholyte containing an ammoniacal solution of a metal to

be electro-deposited; making an article to be plated a cathode in said cell; and passing a current through said cell to cause the electro-deposition on said article of metal from said ammoniacal catholyte.

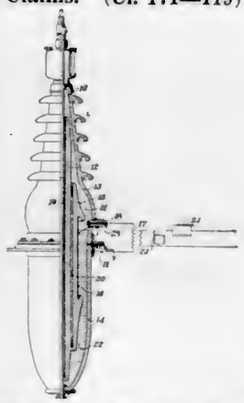
1,981,716

INSULATION FOR ELECTRICAL APPARATUS

Arthur O. Austin, near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application March 5, 1931, Serial No. 520,285

8 Claims. (Cl. 171—119)



1. The combination with a capacitance coupling, of means for controlling the temperature of the dielectric of said coupling to prevent changes in the specific inductive capacity of said element due to temperature changes.

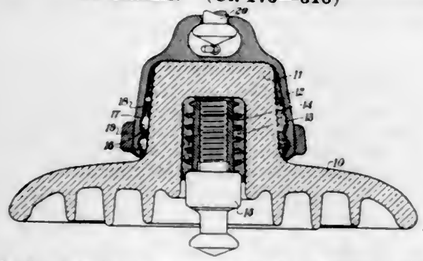
1,981,717

INSULATOR

Arthur O. Austin, near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application April 10, 1931, Serial No. 529,000

18 Claims. (Cl. 173—318)



10. An insulator comprising a dielectric member, a cap enclosing a portion of said dielectric member, a pin disposed within a recess in said dielectric member, and separately formed reinforcing members on said cap and pin for controlling stresses set up in said dielectric member by differential expansion and contraction due to temperature changes.

1,981,718

PROCESS FOR THE HARDENING OR TEMPERING OF COPPER

John Vid Chicon, Ambridge, Pa.

No Drawing. Application June 6, 1933, Serial No. 674,658

2 Claims. (Cl. 75—62)

1. The process of hardening or tempering copper consisting in heating the copper until it becomes molten, adding a sufficient quantity of rosin to the copper while the copper is in a molten state, or before it becomes molten, or while in the act of becoming molten, stirring this mixture thoroughly and then casting it into a mould and allowing to cool; applying rosin to the surface of this hardened casting or ingot of copper after reheating to a red glow, before rolling into a finished product.

1,981,719

HARD CEMENTED CARBIDE MATERIAL

Gregory J. Comstock, Edgewood, Pa., assignor to Firth-Sterling Steel Company, McKeesport, Pa., a corporation of Pennsylvania

No Drawing. Application December 12, 1932, Serial No. 646,873

2 Claims. (Cl. 75—1)

1. A hard cemented carbide material containing about 48% tungsten carbide, about 20% tantalum carbide, about 19% alumina, and about 12% of a metal of the group consisting of cobalt, nickel and iron.

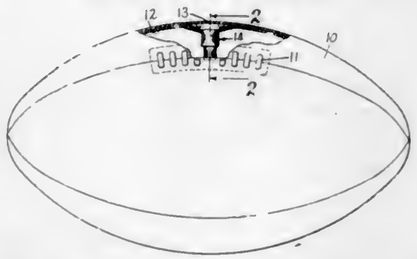
1,981,720

VALVE FOR FOOTBALL BLADDERS AND THE LIKE

Myrick Crane, New Haven, Conn., assignor to The Seamless Rubber Company, Incorporated, New Haven, Conn.

Application May 14, 1931, Serial No. 537,329

15 Claims. (Cl. 273—65)



1. An inflating structure for inflatable balls comprising a flexible neck member secured to the ball and extending thereinto and having an opening therethrough, and a filler member slidably mounted in said opening and having a passage therein opening through the side thereof, said filler member being movable to a position in which one end thereof projects from said neck into the ball whereby said lateral opening in the filler member will be uncovered, said filler member having an enlarged end thereon below said lateral opening to seal the opening in the neck when the filler member is drawn therein, said neck member having a skirt portion at its lower end to be forced against the filler member by the air pressure within the ball.

1,981,721

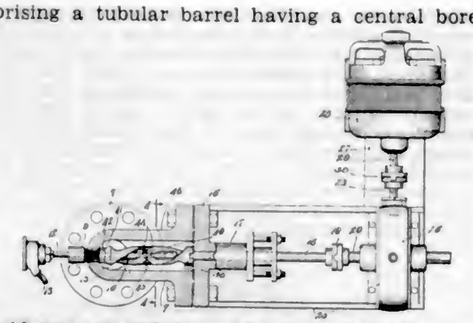
DEVICE FOR MEASURING TEMPERATURES OF HOT FLUIDS

Butler P. Crittenden, Watertown, and Alvin C. Killinger, Everett, Mass., assignors to Beacon Oil Company, Boston, Mass., a corporation of Massachusetts

Application December 30, 1926, Serial No. 158,112

2 Claims. (Cl. 73—52)

2. For use in a temperature-measuring device, a thermometer well scraper and fluid stirrer comprising a tubular barrel having a central bore,



said scraper and stirrer having a helically disposed slot intersecting its central bore.

1,981,722

MANUFACTURE AND PRODUCTION OF POROUS RUBBER

Rudolf Ditmar, Graz, Steiermark, Austria, assignor, by mesne assignments, to Rudolf Heinrich Koppel, Aachen, Germany

No Drawing. Application June 27, 1932, Serial No. 619,521. In Germany July 15, 1931

5 Claims. (Cl. 18—53)

1. A process for producing coarse rubber comprising adding urea as a blowing agent to a raw rubber mixture in an amount equal to from 15% to 20% to the raw rubber mixture, and vulcanizing the mixture under substantially atmospheric pressure at about 122° C. for about forty-five minutes.

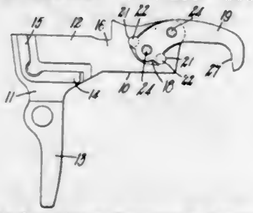
1,981,723

KNIFE FOR THREAD-CUTTING TEMPLES

Sherwood O. Dodge, Medford, and Robert C. Newton, Needham Heights, Mass., assignors to H. F. Livermore Co., Allston, Mass., a corporation of Massachusetts

Application November 24, 1933, Serial No. 699,574

5 Claims. (Cl. 139—303)



1. A knife for thread-cutting temples comprising, in combination, a blade holder provided with a recess in a face thereof, said holder also having holes comprising laterally projecting extensions for said recess embodied therein, and intersecting the sides of said recess and a blade mounted in said recess and embodying therein ears projecting into and fitting said extensions, whereby said blade is accurately positioned upon said holder at said extensions.

1,981,724

ADJUSTABLE DISPLAY STRUCTURE

Thomas J. Donovan, Jr., Philadelphia, Pa., assignor to J. S. Ivins' Son, Inc., Philadelphia, Pa., a corporation of Delaware

Application May 12, 1933, Serial No. 670,693

23 Claims. (Cl. 206—44)

1. The combination with cover structure, of tray structure including means for elevating and supporting the same, said cover structure and said tray-elevating means including cooperating disengageable members engageable in any one



of a plurality of predetermined positions corresponding with different elevated positions of said tray structure.

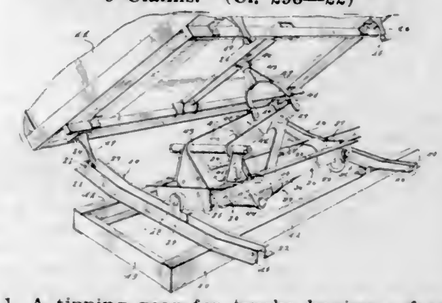
1,981,725

TIPPING GEAR CONSTRUCTION

Maurice Fred Edwards, Bolton, England

Application December 14, 1932, Serial No. 647,289. In Great Britain September 1, 1932

9 Claims. (Cl. 298—22)



1. A tipping gear for trucks having a frame, a body supported upon the frame for side and end tipping relative to the latter, means for tilting the body in either of the aforesaid directions including a hydraulic hoist having a fluid-operated piston movable lengthwise of the body and operatively connected to the latter, and a mounting for the hoist on the frame permitting the hoist to oscillate simultaneously about an axis extending longitudinally of the body and about an axis extending transversely of the axis aforesaid upon tipping the body relative to the frame.

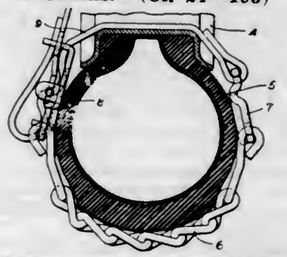
1,981,726

TIRE CHAIN

Mervin Gentzler, York, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 15, 1934, Serial No. 730,775

9 Claims. (Cl. 24—193)



1. A buckle comprising a plate having spaced upright flanges thereon, each flange having a transversely-extending slot, for passage of a strap therethrough, a lever pivotally mounted on said plate, means carried by said lever at a point radially offset from the axis thereof, for engaging the strap and bending the same between said flanges into sinuous form through movement of

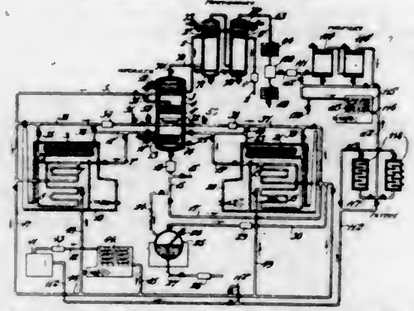
the lever into substantial parallelism with the plane of the plate, and means for holding said lever in said parallel position.

1,981,727

ART OF AND APPARATUS FOR CONVERTING HYDROCARBONS

William L. Gomory, Paris, France, assignor to Standard Oil Development Company, a corporation of Delaware

Application August 13, 1930, Serial No. 475,102
In Great Britain July 15, 1930
3 Claims. (Cl. 196—53)



1. Apparatus of the character described comprising a heating and converting means adapted for heating and maintaining oil at cracking temperature and under pressure and means for supplying oil under pressure to the inlet of the heating and converting means, vaporizing means into which the products from said heating and converting means are discharged under reduced pressure, the said vaporizing means being provided with means for recovering and separately withdrawing vapors, reflux-condensate and residue and being also provided with cooling means in the top and heating means in the bottom thereof, a plurality of means for successively receiving fractionating and condensing vapors from said vaporizing means and also for receiving charging oil to cause the latter to flow in counter-current direction to said vapors and to be delivered through the above mentioned cooling means located in said vaporizing means to said heating and converting means, means for passing charging oil directly into said vaporizing means, a distilling means connected to said vaporizing means for receiving residue from said vaporizing means and provided with means for removing vapors and residue, a second heating and converting means adapted for heating and maintaining oil at cracking temperature and under pressure, means for supplying vapors from said distilling means to said second heating and converting means, means for discharging products from said second heating and converting means into said vaporizing means, means for supplying reflux-condensate obtained in said vaporizing means to the inlets and outlets of both of said heating and converting means and to intermediate points thereof, means to discharge oil from an intermediate point of both of said heating and converting means into the streams of products passing from both of said heating and converting means to said vaporizing means.

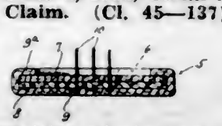
2. A process for converting hydrocarbon oil to lower boiling hydrocarbon oil which comprises heating the oil in a coil to a cracking temperature under superatmospheric pressure, subjecting the heated oil to vaporization in a combined vaporizing and reflux condensing zone under reduced pressure into which vaporizing zone is passed a charging oil, separately removing vapors, reflux condensate and residue from said zone, subjecting a portion of the reflux condensate to cracking conditions of temperature and pressure in the coil, returning the cracked products to the vaporizing zone, subjecting the residue from the first vaporizing zone to vaporization in a second vaporizing zone, subjecting the vapors from the second vaporizing zone to treatment with admixed hydrogen under cracking conditions in a second coil together with another portion of the reflux from the first vaporizing zone, and returning the products of the hydrogen treatment to the first vaporizing zone.

1,981,728

CASTER

Esther Harris, Brooklyn, N. Y.

Application June 1, 1934, Serial No. 728,583
1 Claim. (Cl. 45—137)



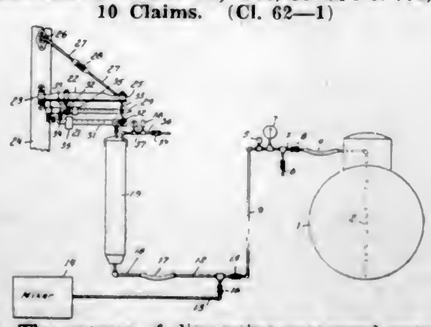
A caster comprising a body consisting of a plurality of superimposed plies or pieces of discarded linoleum and carpet material, an endmost ply of carpet material of greater dimension than the other plies of linoleum material and having an edge portion thereof foldable over said other plies and into overlapping engagement with a second outer ply, and permanently united therewith to provide a body having in the top side thereof a recess the wall of which is defined by the overlapping marginal edge of the ply of carpet material, and securing pins extending through two of the superimposed pieces and projecting beyond the recess provided in the face of the caster.

1,981,729

PROCESS AND APPARATUS FOR DISPENSING MEASURED CHARGES OF LIQUEFIED GAS

Edward W. Harvey, Highland Park, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1933, Serial No. 704,797
10 Claims. (Cl. 62—1)



1. The process of dispensing measured quantities of a liquid having a high vapor pressure from a main bulk thereof, which comprises withdrawing a measured amount of said liquid, and during the withdrawal of said liquid, cooling the same by self-evaporation while preventing the escape of the resultant vapors.

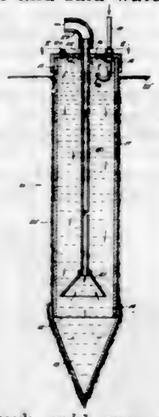
1,981,730

WATER COOLER

Edmund Francis Hawkins, Evansville, Ind.

Application June 12, 1933, Serial No. 675,508
1 Claim. (Cl. 257—122)

As an article of manufacture, a water cooler, comprising a cylinder adapted to be forced into the earth, a water supply line leading to the top of said cylinder, and a water discharge line leading from the bottom of said cylinder, said water supply line terminating in an upwardly turned U adjacent the top of the cylinder whereby to direct the incoming water against the top of a cylinder, a cap closing the top of said cylinder, an air-bleeding port in the top of said cap, said water supply line and said water discharge line



penetrating through said cap, said water discharge line terminating in an open mouth bell adjacent the bottom of the cylinder, the maximum diameter of said bell being slightly less than the internal diameter of said cylinder, a conical penetrating cap secured to the bottom of said cylinder, said conical cap permitting said cylinder to be forced into the earth.

1,981,731

LIGHTING UNIT BOX

Mitchel E. Holy, Posen, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application May 14, 1934, Serial No. 725,463
3 Claims. (Cl. 206—44)



1. A box for Christmas tree lamps, comprising a tray, a cover therefor, a filler fitted into said tray, said filler having lateral panels provided with lamp receiving openings, a central panel adapted to rest on the bottom of said tray, intermediate sections projecting upwardly from the central panel and joined to the inner edges of the lateral panels to hold said edges spaced from the bottom of the tray and means for supporting the extremities of the lateral panels against displacement when the box is closed.

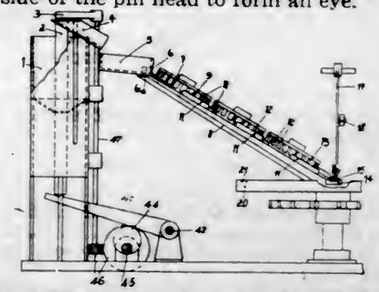
1,981,732

METHOD AND DEVICE FOR MECHANICALLY ATTACHING PINS TO FLY CATCHER TAPES

Friedrich Kaiser, Waiblingen, Wurtemberg, Germany

Application September 21, 1932, Serial No. 634,255
In Germany December 10, 1931
11 Claims. (Cl. 153—10)

1. A method of mechanically attaching a suspension drawing pin to the adhesive band of fly catchers by means of a looped pull tape, particularly for attaching a drawing pin having a projecting finger on the pin side of its head, which consists in picking up the unarranged pins from a container, sorting the pins, placing the pins individually with their pin portions and fingers pointing upwardly on a suitable support, orienting the pins, holding the oriented pins in position while attaching the looped pull tape to the finger and bending the finger upon the underside of the pin head to form an eye.



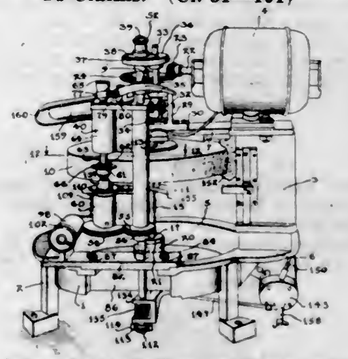
2. A machine of the character described, comprising a receiver for unarranged drawing pins, a shaking trough, means for removing the pins from the container and conveying them to the trough, the said trough shaking the pins fed to it so as to place them on their heads with the pin portion pointing upwardly, an outlet in the said trough for the pins, sorting means adjacent to the outlet to receive the pins coming on their backs out of the outlet and conveying them individually and equidistantly, conveyor means for the pins, a movable device opposite the said conveyor means for orienting the pins on the said conveyor means, means for holding the pins in position while they are placed on said conveyor means, and means for bending down the fingers of the pins.

1,981,733

LENS GRINDING MACHINE

Rudolf Kment, Rochester, N. Y.

Application December 13, 1932, Serial No. 647,047
14 Claims. (Cl. 51—101)



14. A lens edge grinding machine including a frame comprising a low relatively shallow horizontal reservoir open entirely at the top and having supporting legs and constituting the base of the frame, said reservoir being provided at the center with a tubular bearing extending above the water level in the reservoir, and a vertical column rising from the reservoir at one side thereof and supported by the said reservoir and having an arm at the upper end provided with an upper bearing, a main vertical shaft mounted at its upper portion in the said upper bearing and at its lower end in the tubular bearing of the res-

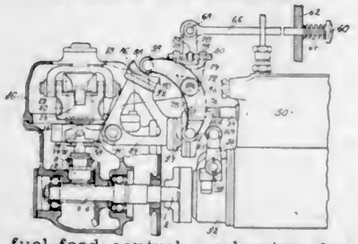
ervoir and rising therefrom in substantial parallelism with the column, a motor supported upon the column and having its shaft extending to a point adjacent the upper end of the main vertical shaft, a pair of intermeshing gears mounted respectively on the upper end of the main vertical shaft and on the motor shaft for driving the main vertical shaft directly from the motor, a horizontal grinding wheel mounted on the main vertical shaft at a point between the motor and the reservoir and being of a diameter slightly less than that of the interior of the reservoir and having its entire periphery located directly over the reservoir, and lens holding templet controlled means mounted on the reservoir for presenting the edge of a lens to the periphery of the grinding wheel.

1,981,734

CONTROLLING DEVICE FOR ENGINES

Julius Kuttner, Long Island City, N. Y., assignor to Omo Aktiengesellschaft, Zurich, Switzerland

Application May 4, 1932, Serial No. 609,245
8 Claims. (Cl. 123—140)



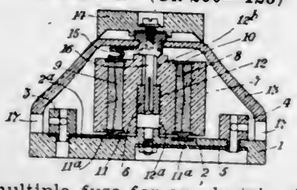
7. A fuel-feed control mechanism for an internal combustion engine having a variable fuel-feed device, comprising: manually-operable means associated with and controlling the variable fuel-feed device of the engine, check means effective, at low engine speeds, to prevent manipulation of said manually-operable control means to effect high rates of fuel feeding, and automatic means responsive to instant engine speed and associated with said check means, effective, at increased engine speeds, to relax the restrictive action of said check means upon said manually-operable control means and permit feeding of fuel at an increased rate at increased engine speeds.

1,981,735

MULTIPLE FUSE

Maurice Lipsey, Glasgow, Scotland, assignor of one-half to British National Electrics Limited, Mossend, Scotland

Application November 13, 1933, Serial No. 697,819
In Great Britain November 29, 1932
6 Claims. (Cl. 200—125)



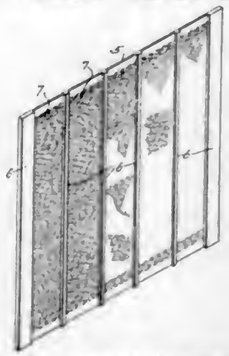
1. A multiple fuse for an electric circuit comprising, a non-rotatable but removable fuse magazine, a plurality of separate fuse elements each enclosed and sealed permanently in and integral with said magazine, a stationary upright pillar of non-circular cross section connected with said electric circuit, rotary selector means adapted to contact with any of said fuse elements to put the same into or out of circuit, a downwardly projecting contact pin electrically connected with said selector means, said pin being in electrically conductive communication with and turnable in said pillar, and a vertical passage in said fuse magazine the lower part of which passage is of non-circular cross section corresponding to that of the said pillar and engages the same so as to prevent rotation of the magazine.

1,981,736

STORAGE BATTERY SEPARATOR

Milton H. Martindell, Trenton, N. J., assignor to Jos. Stokes Rubber Co., Trenton, N. J., a corporation of New Jersey

Application October 29, 1931, Serial No. 571,917
20 Claims. (Cl. 136—145)



1. A storage battery separator comprising a sheet composed of a relatively thin transverse section of an elongated substantially right parallel sided block consisting of superposed bonded layers of fabric at least some of which are composed of substantially rectilinear parallel warps extending longitudinally of the block and substantially parallel to the side edges thereof and held in predetermined lateral relation to each other by transversely extending undulated wefts spaced relatively close to each other throughout the length of the block, said transverse section being substantially at right angles to the longitudinal axis of the block.

1,981,737

BICYCLE

Daniel V. McIlwain, Scottsbluff, Nebr.

Application August 21, 1933, Serial No. 686,152
1 Claim. (Cl. 208—21)



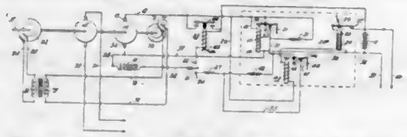
In a bicycle, a frame, a pedal drive between the frame and a driving wheel and having a ratchet wheel, a stationary seat post carried by the frame, a pair of removable clips on the frame, a swinging hanger pivoted to one of the clips and having a spring tensioned pivot dog engageable with the ratchet wheel, a shiftable actuator post adjustably connected with the hanger and having an extension, a seat carried by the upper end of said actuator post, a coiled tensioning spring adjustably connected with the extension and with the frame, and a swinging link carried by the seat post and coupled with the actuator post to limit the shifting of said actuator post.

1,981,738

ELECTRICAL APPARATUS

Charles I. McNeil, Bloomfield, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application January 3, 1933, Serial No. 650,023
3 Claims. (Cl. 171—313)



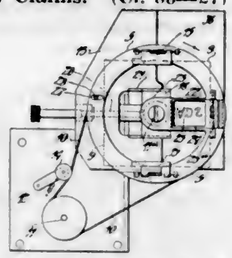
1. In combination with a dynamo electric machine having a plurality of sets of low and high voltage terminals and a shunt field winding, a transformer having primary and secondary windings connected respectively to the low and high voltage terminals of one set, means for generating current in said machine to be fed to said transformer through the intermediary of said low voltage terminals and then fed back to the machine for delivery at other of said high voltage terminals, said last named means comprising a battery and a switch for electrically connecting said battery with other of said low voltage terminals, an electro-magnet controlling the closure of said switch, and means for inserting said electro-magnet in the circuit which includes said shunt field winding.

1,981,739

IMPROVED DEVICE FOR THE PROJECTION OF MOVING ADVERTISING MATTER, ANNOUNCEMENTS, AND THE LIKE

Harold Ernest Millar, Windsor, near Melbourne, Victoria, Australia

Application July 31, 1933, Serial No. 683,053
In Australia August 5, 1932
7 Claims. (Cl. 88—27)



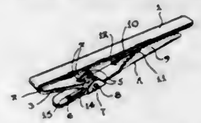
1. A device for the projection of moving advertising matter, announcements and the like, comprising a rotary slide carrier, an interchangeable slide mounted on said carrier and having thereon concentric and radial descriptive matter with a blank space between the commencement and finish portions of the descriptive or advertising matter, an intermediate stencil slide detachably mounted in a projection aperture formed in the slide carrier at the rear of the interchangeable slide and coinciding in area with the blank space, whereby the matter on the intermediate slide is projected on to a screen while the carrier is stationary or during the interchanging of the slides or plates, to effect continuity of projection.

1,981,740

NECKTIE CLASP

Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York

Application March 29, 1934, Serial No. 718,011
5 Claims. (Cl. 24—49)



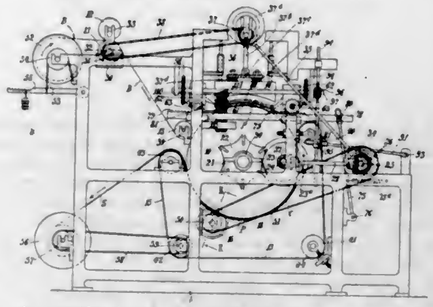
1. A necktie clasp comprising a long, narrow, relatively stiff, straight front bar having one end bent over the inner face of the bar in spaced relation thereto and terminating in an outwardly deflected portion having a bifurcation therein forming spaced arms provided with spaced ears, a relatively long, forwardly tapering, slightly curved clasping lever extending longitudinally of said bar and having spaced ears near its outer end which overlap the aforesaid ears, a pivot pin passing through said overlapping ears to pivotally mount the lever, said lever being provided at its inner end on opposite sides thereof with spaced elongated substantially segmental side flanges arranged within the side edges of said bar and having rough convexly curved edges cooperating with the inner face of said bar to clasp necktie ends together or to clasp the necktie to a shirt.

1,981,741

MANUFACTURE OF CHENILLE

James Morton, Cramond Bridge, West Lothian, Scotland

Application September 14, 1931, Serial No. 562,795
In Great Britain October 1, 1930
27 Claims. (Cl. 28—1)



1. A method of manufacturing preparatory cloth for cutting into strips of chenille, comprising the operations of supplying a number of pile threads and laying them side-by-side on a support, supplying a series of binders and laying them transversely of said pile threads, the threads and binders being relatively adhesive, and then pressing the threads and binders together so as to cause them to adhere and form the preparatory cloth.

1,981,742

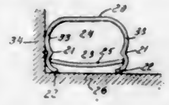
ELECTRIC WIRING SYSTEM

Daniel Hayes Murphy, West Hartford, Conn., assignor to The Wiremold Company

Application January 18, 1934, Serial No. 707,090
1 Claim. (Cl. 247—37)

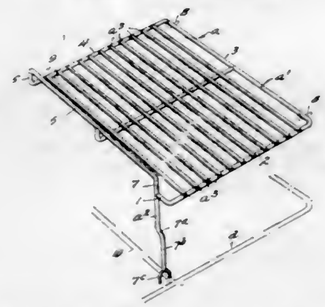
In an electrical conduit comprising a base member and a generally U-shaped housing hav-

ing beaded base-engaging portions adjacent the outer ends of the legs thereof and a relatively deep main electrical conductor-enclosing portion spaced inwardly from the beaded base-engaging portions; said U-shaped housing member having the opposite side walls of the main electrical conductor-enclosing portion disposed in planes substantially parallel to each other and substan-



tially normal to the principal transverse axis of the base member and spaced apart so that the distance between said side walls is substantially the same as the distance between the outer walls of the beaded portions, whereby substantially the entire space enclosed by the base member and the housing is available for receiving electrical conductors.

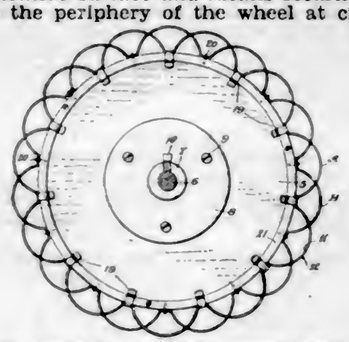
1,981,743
TRAY FOR REFRIGERATORS
Arthur W. Neel, Albany, Ind., assignor to McCormick Brothers Company, Albany, Ind., a corporation of Indiana
Application May 7, 1934, Serial No. 724,427
1 Claim. (Cl. 211—153)



A tray for the purpose described, comprising a frame and a supporting leg both composed of a continuous metal rod, said rod bent to form a rectangular frame comprising a front section, a side section, a rear section and a short end portion of the rod extending rearwardly from the front section and forming the front part of the opposing side section, the rear part of said opposing side section being offset upwardly from the rear section, thence extending forwardly to a point adjacent said end portion, forming a guard, said rod thence extending downwardly, forming a leg, the lower part of said leg being offset forwardly from the upper part thereof, and said short end portion of the rod being secured to said upper part of the leg.

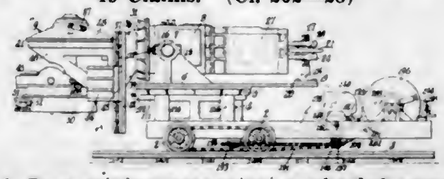
1,981,744
CLEANING DEVICE
Herbert A. Nelson, Manette, Wash.
Application March 28, 1933, Serial No. 663,211
3 Claims. (Cl. 51—190)

1. A device of the character set forth including a driven rotary wheel body and yieldable resilient means having an outer abrasive surface carried by and secured to the outer periphery of said wheel body, said means consisting of a continuous strip of material of greater length than the periphery of the wheel and having an outer abrasive surface and means securing said strip to the periphery of the wheel at circum-



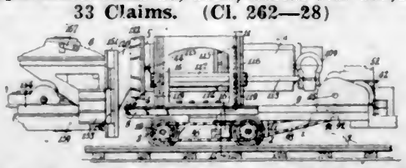
ferentially spaced points to present a succession of outwardly bowed contiguous portions.

1,981,745
MINING APPARATUS
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 25, 1929, Serial No. 409,564
49 Claims. (Cl. 262—28)



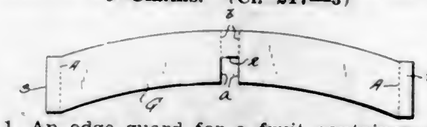
1. In a mining apparatus, a wheeled support adapted to run along a mine trackway, a frame mounted thereon for rotation about a vertical axis, mechanism for bodily elevating said frame relative to the support wheels, a support mounted on said frame for tilting movement relative thereto about a transverse axis, cutting mechanism mounted on said second support and including a pivoted cutter bar, motor operated devices for rotating said frame about its axis relative to said wheeled support, for swinging said cutter bar about its pivot and for driving said cutting mechanism, and mechanism for tilting said second support relative to said frame.

1,981,746
MINING APPARATUS
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 16, 1930, Serial No. 461,488
33 Claims. (Cl. 262—28)



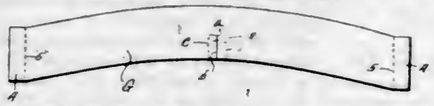
1. In a mining apparatus, a wheeled truck adapted to travel along a mine trackway, a horizontal turntable on said truck, means for tilting said turntable relative to the horizontal, a support mounted on said turntable for bodily adjustment rectilinearly into different elevated positions relative thereto, a pivoted kerf cutter, mechanism for adjusting said kerf cutter into different parallel horizontal planes relative to said support, and means for swinging said kerf cutter about its pivot.

1,981,747
EDGE GUARD
Albert A. Partner, Biglerville, Pa., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa., a Corporation of Pennsylvania
Application October 11, 1932, Serial No. 637,314
9 Claims. (Cl. 217—3)



1. An edge guard for a fruit container comprising a band adapted to be positioned along an upper edge of the container and extending above such edge, the upper margin of said band being curved on an outbow from substantially one end to the other, the lower margin of the band having a notch intermediate the ends thereof to receive a part of the container to hold the band in applied position.

1,981,748
FRUIT GUARD
Albert A. Partner, Biglerville, Pa., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa., a corporation of Pennsylvania
Application January 12, 1933, Serial No. 651,379
10 Claims. (Cl. 217—3)



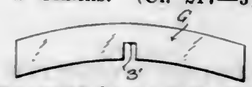
1. An edge guard for a fruit container comprising a band to be positioned along an upper edge of the container and extending above such edge, said band being of a length substantially equal to the distance between the ends of the container, said band intermediate its ends being provided with a longitudinally disposed slit and with a second slit substantially at right angles to the first named slit, said slits being initially in communication and opening at a margin of the band, said slits providing flaps to move outwardly with respect to the band to provide a notch to receive a wall of the container to hold the band in applied position, the flaps being laterally disposed with respect to the band for engagement with the opposed faces of said wall.

1,981,749
EDGE GUARD
Albert A. Partner, Biglerville, Pa., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa., a corporation of Pennsylvania
Application November 16, 1933, Serial No. 698,368
2 Claims. (Cl. 217—3)



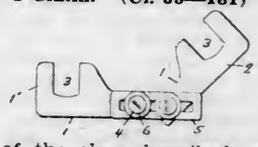
1. In combination, a box having a substantially level top, a transverse vertical member between two opposite walls of the box and substantially medial thereof, said member engaging said walls and protruding above and below the top edges of said walls, a separate paper unit constituting a side guard, said unit having a length substantially equal to the length of the side wall of the box and having a lower edge line of such shape to permit and cause one side of the guard to engage the exposed end of the transverse member and the other side of the guard to engage the inside face of the side wall of the box adjacent to the upper end corners of said side wall.

1,981,750
EDGE GUARD
Albert A. Partner, Biglerville, Pa., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa., a corporation of Pennsylvania
Application January 16, 1934, Serial No. 706,866
2 Claims. (Cl. 217—3)



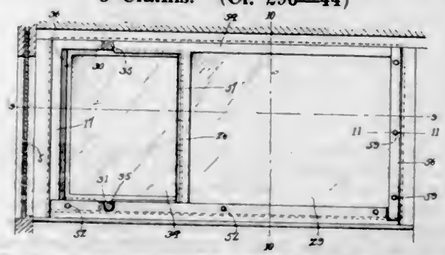
1. An edge guard for a container for fruit or the like comprising a band adapted to be positioned along an upper edge of the container and extending above such edge, the lower marginal portion of the band having means to receive a part of the container to hold the band in applied position, the coaction of said means with the part of the container constituting the sole support for the band when initially applied.

1,981,751
GAUGE
Herbert T. Passler, Boston, Mass.
Application May 4, 1933, Serial No. 669,393
1 Claim. (Cl. 33—181)



A gauge of the class described comprising a pair of members, each having a shank and a head, said head extending from one side of an end of the shank, each head having a notch therein which extends at right angles to the length of the shank and opens out through the free side edge of the head, an elongated plate having one face contacting and overlapping the two shanks and having an elongated longitudinally extending slot therein, the ends of which extend over the shanks, and screws passing through the slot and threaded into the shanks for slidably and rotatably connecting the shanks to the plate and for holding the pair of members in the position to which they have been adjusted when the screws are loosened.

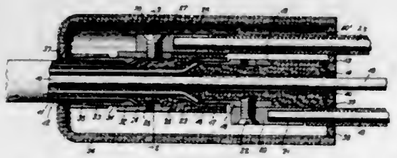
1,981,752
WINDOW
James D. Patton, Windber, Pa.
Application February 14, 1933, Serial No. 656,709
5 Claims. (Cl. 296—44)



5. In a removable window for a vehicle body having a window opening therein and grooves in the sides of said opening, a frame having a fixed tongue adapted to engage the groove at

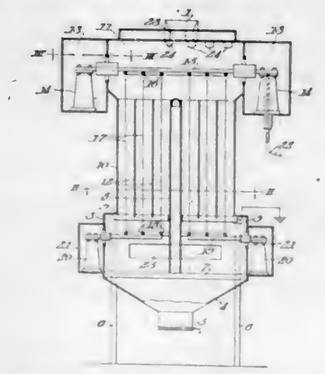
one side of the opening and a removable tongue adapted to engage the groove at the opposite side of the opening, said removable tongue consisting of a pair of similar members, each having a part adapted to be disposed within the groove and a part adapted to be secured to one of the opposite faces of the side member of the frame, and means to clamp said members against the opposite faces of the side member of the frame to secure them thereto and to cause them to bear against the opposite sides of the groove.

1,981,753
ELECTRIC CONNECTER
Harold J. C. Pearson, Atlanta, Ga.
Application July 21, 1932, Serial No. 623,862
Renewed December 21, 1933
7 Claims. (Cl. 173—268)



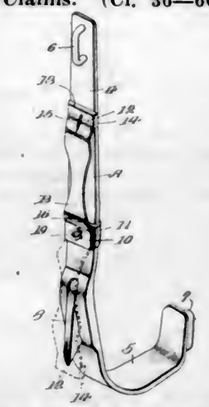
1. A connecter for concentric electric cables comprising, in combination: a plurality of sleeves having successively larger interior diameters to receive successively increased portions of the cable; alternate sleeves of electrical conducting material with a sleeve of insulating material therebetween; screw means to clamp the expanded ends of concentric layers of conductors between said insulating and conducting sleeves; and means to connect separate conductors to said conducting sleeves.

1,981,754
ELECTRICAL PRECIPITATOR
Howard A. Poillon, New York, N. Y., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 29, 1932, Serial No. 625,957
3 Claims. (Cl. 183—7)



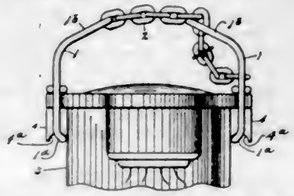
1. In apparatus for the electrical precipitation of suspended matter from a gas, the combination with a chamber having a plurality of concentric compartments of substantially annular cross-section, of discharge electrodes extending axially through said compartments, and nozzles disposed adjacent one end of each of said compartments for causing the gas which is to be treated to flow spirally through the respective compartments.

1,981,755
CLIMBER
James Alexander Serene, Kittanning, Pa., assignor of one-half to William R. Serene, Kittanning, Pa.
Application March 30, 1932, Serial No. 602,090
7 Claims. (Cl. 36—60)



1. In combination with a climber having a leg portion and an extending spur, a guard pivotally mounted under resilient tension upon the leg portion of the climber, one end of the guard provided with an aperture to receive a portion of the spur adjacent its pointed end, said end of the guard also provided with depending flanges adapted to engage the opposite edges of the leg portion of the climber at a point above the spur, and the guard adapted to be moved to cause its end to engage either the spur or the leg portion of the climber against spring tension.

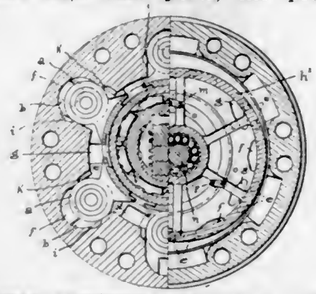
1,981,756
TRANSFORMER LIFTING DEVICE
Donald G. Smead, Greenfield, Mass.
Application December 26, 1933, Serial No. 704,035
1 Claim. (Cl. 294—27)



A lifting device for handling transformers or the like comprising a pair of elongated loops adapted for snug engagement with the ears of the transformer, the ends of each of said loops being bent laterally, and one of said ends being constricted to form a link receiving throat, and a connecting chain having its end links slidably engaging said loops while the intermediate links are receivable in the throats of said loops to adjust the length of the connection therebetween.

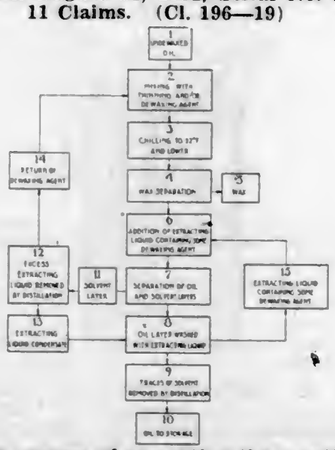
1,981,757
HYDRAULIC PUMP AND MOTOR OF HYDRAULIC TRANSMISSION GEAR
Ralph John Smith and Charles Andrew Newton, Littleover, and Reginald Claude Roe, Rochdale, England
Application August 25, 1933, Serial No. 686,842
In Great Britain July 11, 1932
9 Claims. (Cl. 103—174)

1. In hydraulic transmission gear of the type specified in which rollers are constrained to remain in contact with an excentric ring and to reciprocate in radial pockets in a casing concentric with the axis of rotation of the excentric ring, fluid distribution ports leading from each of said pockets and from the spaces or divisions between said rollers, said excentric ring and said casing, together with a valve ring, adapted to open and close said ports, the provision of



throughway apertures connecting each of said pockets to one of said spaces, at the further side of the particular roller reciprocating in said pocket, said apertures being arranged to be opened momentarily at the ends of the roller strokes and to be closed during the remainder of said strokes.

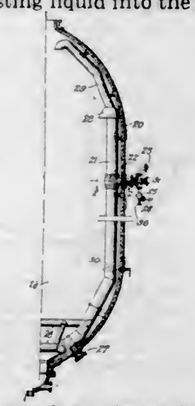
1,981,758
PROCESS FOR DEWAXING PETROLEUM OIL
Hans Svanoe, Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 24, 1931, Serial No. 559,025
11 Claims. (Cl. 196—19)



11. In a process of separating the constituents of a mixture containing an oil and a mixture of alcohols having a boiling range from approximately 290° F. to approximately 410° F., said alcohols having been obtained by the catalytic hydrogenation of a carbon oxide under high pressure, which comprises adding methanol to the mixture.

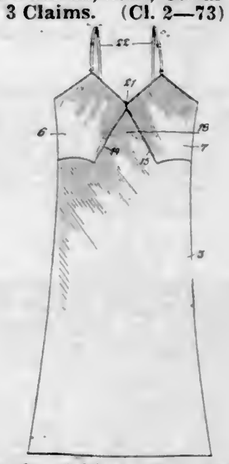
1,981,759
CIRCULATION PROCESS AND DEVICE IN SULPHITE CELLULOSE DIGESTION
Sjune Svensson, Hissmofors, Krokom, Sweden
Application November 10, 1932, Serial No. 642,112
In Sweden October 22, 1931
25 Claims. (Cl. 92—7)

1. A process for digesting sulphite cellulose consisting in circulating digesting liquid from above downwardly through the space of a digester, filled with fibrous material, and from below upwardly in a conduit, opening at the upper and lower part of the digester and into which conduit the fibrous material is prevented from entering, introducing sulphurous gas into the conduit, sucking the digesting liquid into the lower part of



the conduit and pressing out said liquid into the digester from the upper part of the conduit, while leading off sufficient gas from the upper part of the digester to avoid an increase of the pressure.

1,981,760
SLIP
Victor L. Sussberg, New York, N. Y.
Application June 22, 1934, Serial No. 731,977
3 Claims. (Cl. 2—73)

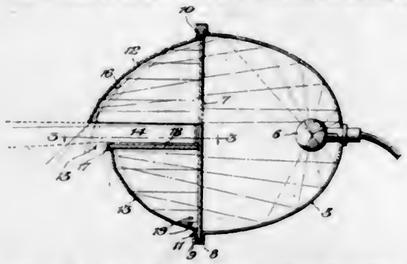


1. A slip made of bias cut material comprising a body having front and rear panels, said front panel having at the top an A-shaped central projection extending longitudinally of the garment and an arc-shaped convex edge on each side of said A-shaped projection, and a brassière section connected with the upper end of said body, said brassière section being formed with a pair of front panels fitting against said arc-shaped edges and against said A-shaped projection, each of said panels of the brassière section at the bottom portion being formed as a truncated triangle with the bottom edges of the brassière section shaped to conform to the shape of said arc-shaped edges of the body.

1,981,761
AUTOMOBILE HEADLIGHT SHIELD
Frank Clark Townsend, Lisbon Falls, Maine
Application February 19, 1934, Serial No. 712,016
3 Claims. (Cl. 240—48.4)

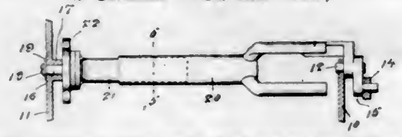
1. An improved vehicle headlight lamp comprising a casing, a light source in the casing, a re-

flector in the casing behind the light source, a lens forwardly of the casing, opaque light shields of partly spherical form projecting forwardly from the casing and lens and being spaced apart



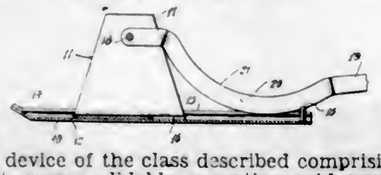
to provide a horizontal gap therebetween, the upper shield being set forwardly of the lower shield, and a horizontally disposed glass member closing the mouth of one of said shields, said glass member abutting against said lens.

1,981,762
MAGAZINE CRADLE
Ulysse Tremblay, Lawrence, Mass.
Application September 28, 1932, Serial No. 635,285
2 Claims. (Cl. 139—245)



1. In combination with the magazine of a loom having a fixed wall and an oppositely disposed adjustable wall for varying the size of the magazine, a cradle journaled in said walls and automatically adjustable as to length when said adjustable wall is adjusted, said cradle comprising telescopically connected sections.

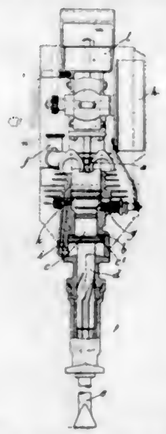
1,981,763
TIRE CHANGING DEVICE
Mary M. Usadel, Merrill, Wis.
Application October 19, 1933, Serial No. 694,333
3 Claims. (Cl. 254—131)



1. A device of the class described comprising a support, means slidably mounting said support, a lifting member pivoted at one end to said support, and said lifting member having a depression between its pivotal axis and other end for engagement with a tire.

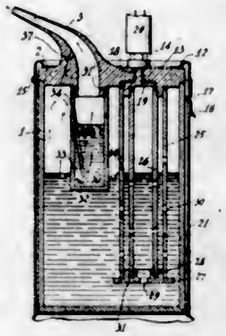
1,981,764
ROCK DRILL AND LIKE IMPLEMENT
Henry Ernest Warsop, Nottingham, England
Application May 20, 1931, Serial No. 538,794
In Great Britain November 19, 1930
4 Claims. (Cl. 123—7)

1. An impact tool of the type operated by an internal combustion engine, comprising an internal combustion engine cylinder and a piston therein, an auxiliary cylinder of differential diameters communicating at its smaller end with the engine cylinder, a head at the larger end of the auxiliary cylinder, a mechanically free piston of corresponding differential diameters movable in the auxiliary cylinder, and a conduit



controlled by the engine piston and connecting the engine cylinder with the portion of the auxiliary cylinder of larger diameter.

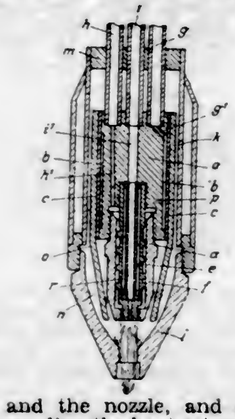
1,981,765
VAPORIZER
Samuel L. Weiss, Brooklyn, N. Y.
Application August 6, 1931, Serial No. 555,611
7 Claims. (Cl. 219—40)



1. In an electric vaporizer, the combination with an outer water receptacle, of tubular electrodes mounted one within the other within said receptacle, connections connecting said electrodes to an electric current, means for closing one of said electrodes so that it becomes a receptacle for medicine, and a spout for receiving the discharge of vapor from said medicine receptacle.

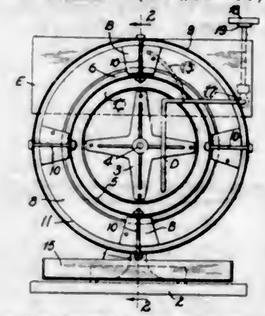
1,981,766
BURNER FOR LIQUID FUEL ESPECIALLY FOR CUTTING AND WELDING UNDER WATER
Gustav Winckler, Dortmund, Germany, assignor, by mesne assignments, to the firm Dortmund-Hoerder Hüttenverein Aktiengesellschaft, Dortmund, Germany
Application March 1, 1933, Serial No. 659,225
In Germany March 18, 1932
6 Claims. (Cl. 158—27.4)

1. A burner for liquid fuel, especially for cutting and welding under water, consisting of an inner heating body having passages for the fuel and the oxygen, a nozzle at one end of the inner body, a heat returning member surrounding the



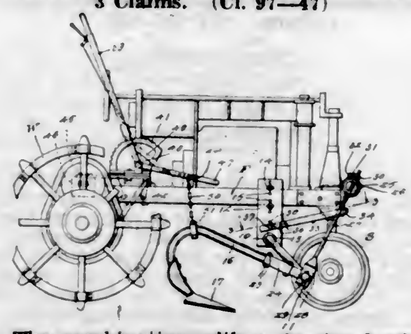
inner body and the nozzle, and a heat baffle member surrounding the heat returning member.

1,981,767
PROPELLER TYPE AIR CIRCULATING FAN
Walter Zellweger, St. Louis, Mo.
Application May 3, 1934, Serial No. 723,668
7 Claims. (Cl. 261—90)



1. A propeller type air circulating fan provided with rotatable blades disposed so that the air handled by the fan will be discharged forwardly from the blades in a direction substantially parallel to the axis of rotation of the blades, a rotatable filtering device, means for applying water to said filtering device, and a rotatable water collection trough that receives or collects water discharged from said filtering device.

1,981,768
TRACTOR MIDDLE BUSTER HITCH
Carl A. Zieschang, Thorndale, Tex.
Application May 20, 1933, Serial No. 672,065
3 Claims. (Cl. 97—47)



1. The combination with a tractor having a frame, of a drawbar having a bell crank at each end thereof, a pair of drawbar supporting plates loosely engaging the intermediate portion of the drawbar, means for securing the plates to the tractor frame one on each side of the frame, an elongated member positioned on the forward portion of the tractor, an earth working member carried by each bell crank portion, and means carried by the opposite ends of the elongated member and engaging the bell crank portions of the drawbar to support the bell crank portions of the drawbar in vertically adjusted position relative to the drawbar supporting means.

1,981,769
PLASTIC COMPOSITION
Nicola S. Archetti, Germantown, Pa.
No Drawing. Application June 4, 1932,
Serial No. 615,463
3 Claims. (Cl. 106—23)

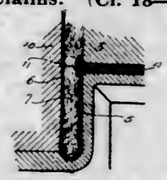
1. A plastic composition for use in repairing rubber or leather articles comprising a mixture of pure para crude rubber dissolved in a solvent and having thoroughly incorporated therein fine asbestos coated with white lead and magnesia.

1,981,770
ICE CREAM CONE
James Balton, Baltimore, Md., assignor to Joseph Shapiro, Baltimore, Md.
Application April 12, 1929, Serial No. 354,678
8 Claims. (Cl. 99—10)



1. As a new article of manufacture, an ice cream cone formed as an integral structure composed of edible material and comprising a handle portion, an elongated receptacle portion mounted upon said handle portion, said receptacle portion being open at its top and having its intermediate portion constricted transversely to form a plurality of communicating chambers, said handle portion comprising a conical hollow stem, the interior of which is in communication with each of said communicating chambers.

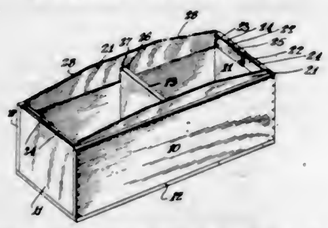
1,981,771
COMPOSITE ARTICLE AND METHOD OF MAKING THE SAME
Frank H. Benge, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application August [illegible]332, Serial No. 628,106
5 Claims. (Cl. 18—59)



1. A method of making a composite article having a body and a flanged head, which comprises preforming the body of rolled fibrous sheet

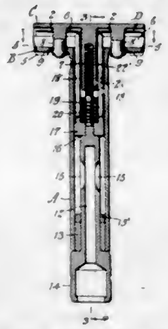
material having a binder associated therewith, forming the flanged head from layers of fibrous material and an associated binder in cooperative relation with an end of said body so that the end of the body extends into and remains within the head, molding the body and head together to form the composite article, and during said molding exerting pressure on the head so as to spread the end of the rolled sheet material within the head and securely lock the head to the body.

1,981,772
FRUIT GUARD
George D. Bishop, Sanford, Fla.
Application July 2, 1932, Serial No. 620,571
6 Claims. (Cl. 217—3)



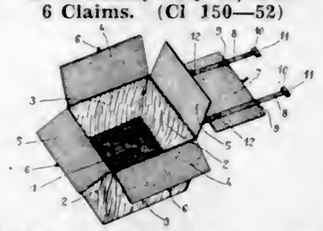
2. A fruit guard comprising a band of paperboard having a side wall portion adapted to engage a side wall of a fruit box the full length thereof, and an end wall portion at each end of said side wall hinged to the side wall and having one end free, said end wall portion being adapted to abut the respective box end walls, said side wall portion having an arcuate top edge shaped to substantially conform to the bulge contour of the box cover, said end wall portions each having a lip resting on the top edge of the box end wall and supporting said guard in operative position.

1,981,773
SAFETY RAZOR
William Harman Black, New York, N. Y.
Application March 27, 1934, Serial No. 717,657
2 Claims. (Cl. 30—12)



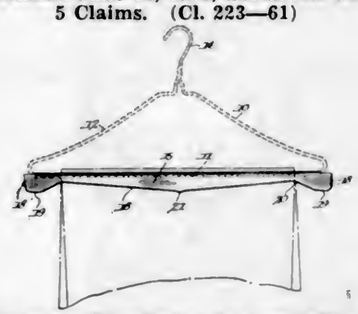
1. A safety razor, including a guard, a hollow handle fixed to the guard, a clamp, a square blade having four edges adapted to be secured between the clamp and the guard, a rotary stem in the handle, a stud on the clamp projecting into the handle and having screw-threaded engagement with the stem, a collar frictionally engaging the stem, fingers on the collar engaging the blade so that when the blade is free it can be turned by turning the stem, keys on the stud, and keyways in the handle holding the clamp against turning movement when the parts are in position to turn the blade.

1,981,774
FOLDABLE CONTAINER
Martha Blitz, born Spier, New York, N. Y.
Application July 8, 1933, Serial No. 679,514
In Germany July 11, 1932
6 Claims. (Cl 150—52)



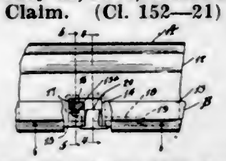
1. A foldable container, comprising in combination: a rigid bottom, side walls, made of flexible material, secured to said bottom by one of their sides and each side wall secured at each end to the end of each adjacent side wall, and rigid plates pivoted to the free sides of the side walls and having the same dimensions as the side wall corresponding thereto.

1,981,775
APPAREL PROTECTOR
John D. Bowen, Lawrence, Kans.
Application June 14, 1933, Serial No. 675,836
5 Claims. (Cl. 223—61)



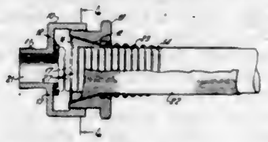
1. An apparel protector for use with an apparel hanger comprising an elongated channel-shaped blank of stiff sheet material, said blank being relatively wide at its center and relatively narrow between its center and its ends, and having side edges which extend outwardly adjacent the ends of the blank to prevent slippage of the apparel longitudinally of the protector.

1,981,776
RIM CONSTRUCTION
John Robinson Boyd, Natchez, Miss.
Application May 25, 1933, Serial No. 672,874
1 Claim. (Cl. 152—21)



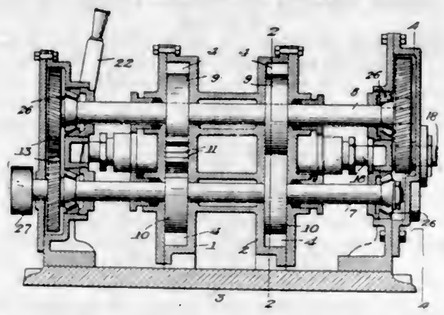
A rim construction of the class described, comprising separable parts collectively forming a channel to receive a tire; one of said parts having a main wall provided with slots substantially of L-shape opening at the free edge of said wall, said slots having inner and outer walls substantially parallel to the sides of the rim, said outer walls having shoulders disposed transversely of said main wall, the other part having an annular wall to telescope with said main wall, lugs on said annular wall adapted to be passed into said slots and then moved past said shoulders through circumferential movement of the parts, the inflation of the tire serving to spread the parts so that said lugs will be engaged by the shoulders to prevent detachment of the parts through circumferential movement, said slots having side walls extending inwardly from the free edge of the main wall, closures pivotally secured to the main wall and having spaced openings therein, said openings being adapted to receive the side walls of the slots and the closures to close the entrances to the slots on a line substantially coinciding with their outer walls.

1,981,777
PIPE COUPLING
Louis H. Brinkman, Glen Ridge, N. J.
Application October 20, 1931, Serial No. 570,004
12 Claims. (Cl. 285—72)



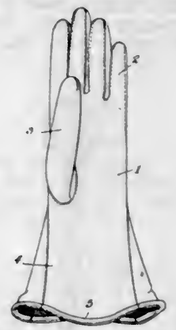
1. In a coupling for a pipe having an annular shoulder, a body portion, a member having a conical aperture slidable on the pipe having a threaded connection with the body portion, a segmental disc engaging the shoulder and projecting beyond the same, and a conical sleeve slidable on the pipe adapted to be forced inwardly by the conical portion of the threaded member to engage the disc and clamp the pipe to the body portion.

1,981,778
VALVE MECHANISM FOR ROTARY ENGINES
William W. Brown, Blytheville, Ark.
Application July 23, 1929, Serial No. 380,327
1 Claim. (Cl. 121—70)



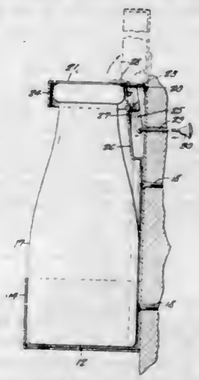
A valve mechanism for a rotary engine comprising a cylindrical body having means for its communication with cylinders of the engine at one side thereof, a cylindrical-shaped valve arranged in the body, said valve having opposite open ends and also ports on opposite sides thereof intermediate of its ends, each port being of a gradually increasing width from one end to the other, a partition formed medially in said valve for separating the ports in the latter, a supply pipe communicating with the cylindrical body spaced from said means, a shaft centrally of said valve and carrying the same, a hand lever for shifting said shaft longitudinally of the cylindrical body, and means for rotating the shaft and having driven connection with said engine.

1,981,779
GLOVE
Paul A. Chanut, New York, N. Y., assignor to Steinberger Bros. Glove Corporation, New York, N. Y., a corporation of California
Application March 16, 1934, Serial No. 715,989
8 Claims. (Cl. 2—162)



1. A glove of the character described, including a plurality of settable wires connected to the glove near the end opposite the fingers, certain parts of the glove forming a plurality of encircling tunnels for independently covering said wires.

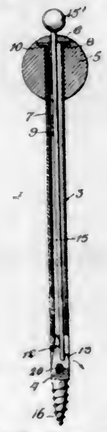
1,981,780
LOCKING RECEPTACLE FOR MILK BOTTLES
Henry G. Charlet, Long Beach, Calif.
Application April 19, 1933, Serial No. 666,928
1 Claim. (Cl. 232—41)



A locking receptacle for milk bottles comprising a frame provided with a seat for the lower end of a milk bottle to prevent lateral movement of the same thereon, a cap hingedly mounted at the upper end of the frame and provided with a pendent bounding flange for overhanging the upper or mouth end of the milk bottle, said cap being swingable from a vertical upstanding position to a horizontal lowered position, the frame being formed with a casing at the back and just below the plane of the cap, a pawl interior to and pivotally mounted on the front wall of said casing, the casing being open at the upper end and closed by the cap when in lowered position, the cap having a keeper plate entering said casing when the cap is lowered and the pawl having a nose engageable with an opening in said keeper plate, a release rod pivotally connected with that end of the pawl opposite the nose and extending through an opening in the wall to which the frame is attached, and a hand knob carried at the remote end of the release rod, the pawl hav-

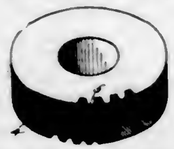
ing a spring yieldingly impelling its nose toward the keeper plate and the cap having a spring tending to lift it to its raised position.

1,981,781
CORK PULLING DEVICE
Emery R. Collette, New York, N. Y.
Application February 6, 1934, Serial No. 710,011
5 Claims. (Cl. 65—48)



5. A cork pulling device, including a hollow body, a pivotally mounted abutment arranged at one end of the body, a handle arranged at the other end of the body, said abutment having a socket at one end, the material of the abutment forming a socket presenting a fork with one tine longer than the other, a locking rod extending through said handle and said hollow body into said socket for normally locking the abutment in actual alignment with the hollow body, and a spring carried by said body and positioned to overlap one end of said abutment when the same is being held by said rod, said spring continually tending to swing the abutment to a position at right angles to said body, whereby when said rod is pulled until it is disengaged from its socket said spring will quickly move said abutment.

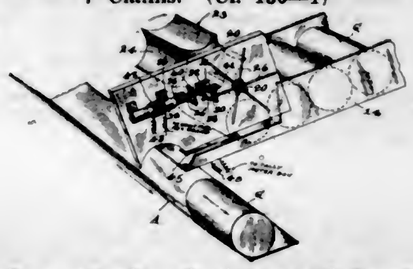
1,981,782
COMPOSITE GEAR AND METHOD OF MAKING THE SAME
Emile Merle d'Aubigne, Neuilly Sur Seine, France, assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application November 19, 1932, Serial No. 643,519
In France November 24, 1931
11 Claims. (Cl. 154—2)



1. A gear having a non-metallic rim portion of fibrous sheet material and a binder, said sheet material comprising annularly arranged recumbent rectangular laminations.

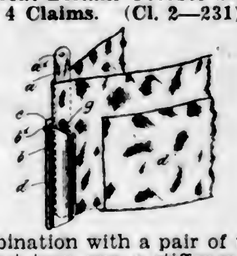
6. A helical gear having a non-metallic rim portion formed of laminations of fibrous sheet material associated with a binder, said laminations being substantially perpendicular to the flanks or working surfaces of the helical teeth of the gear.

1,981,783
DISPENSING AND DISTRIBUTING APPARATUS FOR PACKAGED AND THE LIKE GOODS
Richard R. De Bussey, Parkersburg, W. Va.
Application March 22, 1933, Serial No. 662,177
7 Claims. (Cl. 186—1)



7. In a canned goods storage and dispensing unit, means for the successive discharge of cans therefrom, including a freely rotatable can holding and releasing feed wheel for engaging successively each can for discharge from the unit, a member rotated by rotation of said feed wheel and including radially disposed arms thereabout, one for each position of the feed wheel engaged over a can, a stop member yieldably maintained in normal position engaging one of the arms of said member to maintain the feed wheel against rotation and hold the cans against discharge and operator controlled mechanism for tripping said stop member to disengage one of said arms to release the feed wheel for a partial revolution to free a can for discharge, and means on said tripping mechanism for contact with said disengaged arm whereby said stop member will return to normal arm engaging and can holding position independent of said operator controlled stop member tripping means.

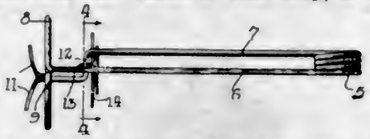
1,981,784
STIFFENING DEVICES FOR MAINTAINING THE CREASES IN TROUSERS
Samuel Percival Dodington, Cardiff, Wales, England
Application October 19, 1933, Serial No. 694,290
In Great Britain October 24, 1932
4 Claims. (Cl. 2—231)



1. In combination with a pair of trousers having permanent turn-ups, a stiffener for insertion inside each trouser leg along the crease at the bottom thereof, and a two-armed clip within the gutter formed by the permanent turn-up, said arms being adapted for bringing the trouser parts closely together against each side of said stiffener.

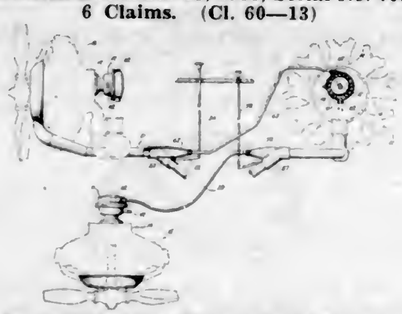
1,981,785
TRAP
Joseph Donadel, Los Gatos, Calif.
Application June 30, 1933, Serial No. 678,502
1 Claim. (Cl. 43—85)

In a device of the character described, a spring having a pair of substantially parallel arms, one of said arms having a loop formed at its end and angularly disposed with relation thereto, the other of said arms extending through said loop and having its end bifurcated, said last mentioned arm having an offset formed therein parallel with the plane of said loop, a trigger



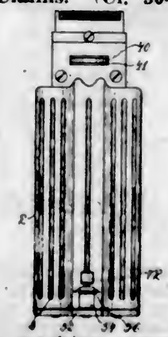
slidable on said loop carrying arm, said trigger being capable of engaging the offset portion of said other arm, and a coil formed integral with said trigger, whereby contact with said coil will actuate said trigger to spring said trap.

1,981,786
INTERNAL COMBUSTION ENGINE
Martin J. Finnegan, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application December 18, 1933, Serial No. 703,016
6 Claims. (Cl. 60—13)



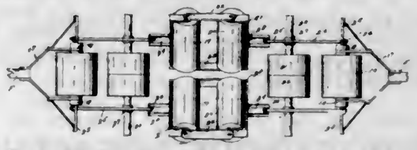
1. In combination with a pair of internal combustion engines, one having an exhaust conduit, an inertia starter mounted adjacent the other of said engines, said starter including an engine engaging member and a flywheel connected therewith, exhaust gas receiving means for actuating said flywheel, and means for causing exhaust gases taken from said conduit to be discharged against said exhaust gas receiving means to accelerate the flywheel to high speed prior to movement of said engine engaging member to engine engaging position.

1,981,787
SHAVING MACHINE
Irving Florman, New York, N. Y.
Application August 25, 1934, Serial No. 741,499
5 Claims. (Cl. 30—12)



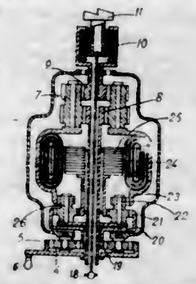
3. A shaving machine comprising a hollow handle, an electric direct current motor arranged within said handle, a plurality of dry cell batteries arranged about said motor and disposed within said handle, relatively movable shaving members carried by said handle, means connecting said motor to said shaving members to cause relative movement therebetween, and a switch member for connecting said batteries with said motor, said handle being wider at the edges than in the center, said switch member including a member movable transversely of said handle and partly extending therefrom through openings disposed centrally of the wider edges.

1,981,788
BITUMINOUS DITCH LINER
David I. Gardner, Dubois, Idaho
Application October 23, 1933, Serial No. 694,838
5 Claims. (Cl. 61—63)



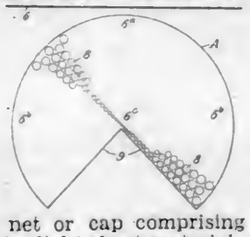
1. In a ditch rolling device for laying bituminous material on the bottom and sides of an open ditch, the combination of rollers mounted at each end of a body; sets of spaced apart rollers mounted in said body adapted to roll the sloping sides of the ditch; cross shafts mounted at either end of said body near said bottom rollers; sets of rollers mounted on said shafts adapted to be adjusted as to width spacing the side rollers apart simultaneously to roll a wide ditch or narrow ditch with the same device.

1,981,789
STARTING DEVICE FOR INTERNAL COMBUSTION ENGINES
Léon Gérard, Sevres, France, assignor to Paul Viet, Billancourt, France
Application October 4, 1929, Serial No. 397,435
In France November 22, 1928
2 Claims. (Cl. 123—179)



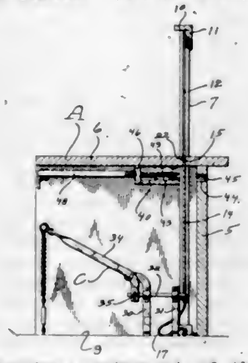
1. A starter for internal combustion engines comprising a member adapted to have clutching engagement with the shaft of the engine, means for driving said member including concentrically disposed field and armature elements, a system of gearing between said elements including an internally toothed gear on the one and an externally toothed gear on the other of said elements a larger and a smaller externally toothed gear meshing respectively with the said externally and internally toothed gears for increasing the speed of one element relatively to the speed of the other element and means for rotating the elements in reverse directions about the axis of the member under their own power to rotate the member.

1,981,790
HAIR NET
Santi Grasso and Antonio Bongiovanni, Philadelphia, Pa., assignors of one-fourth to Paul H. Lemen and one-fourth to John B. Keenan, Philadelphia, Pa.
Application August 28, 1933, Serial No. 687,214
11 Claims. (Cl. 132—49)



1. A hair net or cap comprising a perforate piece of a thin, light sheet material of a shape to be fitted upon the head; said material being fireproof or non-inflammable and substantially impervious to moisture.

1,981,791
PROTECTIVE EQUIPMENT FOR BANKS, ETC.
Charles J. Green, Oxford, Pa.
Application March 11, 1931, Serial No. 521,864
9 Claims. (Cl. 20—1.01)



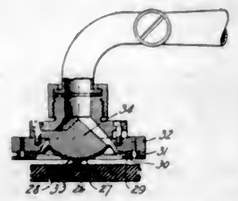
1. In protective equipment of the class described, a vertically guided shield, trip means for retaining the shield in a concealed position, and a firearm confronted by the shield when the shield is in its concealed position.

1,981,792
SULPHATED CONDENSATION PRODUCTS OF FATTY ACIDS AND MONOETHANOLAMINE
John W. Orelup, Summit, N. J.
No Drawing. Application June 17, 1933, Serial No. 676,324
15 Claims. (Cl. 260—99.12)

1. As new wetting, dispersing and emulsifying agents, the sulphated product of the condensation reaction of the fatty acids containing a substantial quantity of the C_{12} and C_{14} acids with monoethanolamine.

1,981,793
SOUND REPRODUCER
Arthur C. Keller, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1929, Serial No. 402,128
9 Claims. (Cl. 179—100.41)

7. A reproducer having a moving system including a stylus, a mass element and a resilient supporting member for the element, the mechanical constants of the system being so proportioned that its mechanical impedance over any

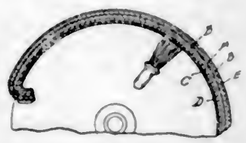


desired frequency range does not exceed

$$\frac{SQ}{V}$$

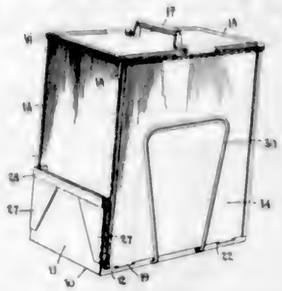
where S is the stiffness of the mounting, Q is the average displacement of the stylus from its free position and V is the maximum velocity imparted to the stylus by the grooves of the record.

1,981,794
DUPLICATING METHOD AND APPARATUS
Owen E. Williams, Cleveland, Ohio
Application May 27, 1933, Serial No. 673,279
14 Claims. (Cl. 41—31.5)



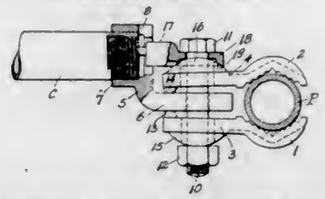
1. The process of making a composition for duplicating comprising a color-containing base which comprises heating gelatin and acetic acid to form a syrupy mixture, subjecting said mixture to agitation to aerate the same, and combining the said mixture with a second mixture of glycerin, calcium chloride and coloring matter solvent by moisture so as to produce a homogeneous mass.

1,981,795
FILING TRAY
Rodney J. Wood, incompetent, Dayton, Ohio, by Robert H. Wood, guardian, Dayton, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y.
Application November 15, 1932, Serial No. 642,747
11 Claims. (Cl. 129—16)



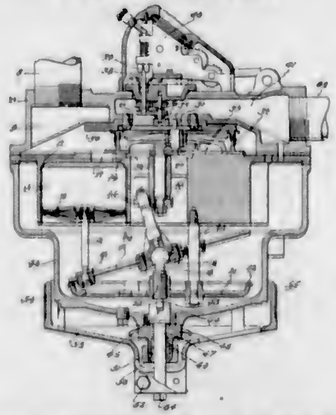
11. In a card tray, a base member, side members hinged to said base member, and means slidably associated with said base member and having portions disposed outwardly of said side members for supporting said side members in inclined position relative to said base member.

1,981,796
ELECTRIC GROUNDING CONNECTER
Carl H. Bissell, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application February 6, 1933, Serial No. 655,338
11 Claims. (Cl. 247—1)



1. A grounding connecter comprising opposing jaw members for gripping a conductor, said members having outwardly extending shanks, an intermediate member extending between the shanks, the connecter having means formed at least in part in the intermediate member for attachment to a second electrical conductor, one of said shanks fulcruming on the intermediate member, and means for clamping the shanks against opposite sides of the intermediate member and clamping the jaw members toward opposite sides of the intermediate member, said means including a bolt extending through the shanks and the intermediate member and a nut threading on the bolt, the bolt having shoulders thrusting toward the shanks, said shoulders being the head of the bolt and the nut threading on the bolt, the shoulder coacting with the fulcrumed shank and the fulcrumed shank having coacting bearing surfaces, one of which is rounded to permit rocking movement of the fulcrumed jaw relatively to the bolt during tightening of the nut.

1,981,797
FLUID METER
Hosmer L. Blum, Alameda, Calif., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application November 13, 1930, Serial No. 495,333
7 Claims. (Cl. 73—30)



1. The combination with a meter having adjusting means therefor, of calibrated scale means carried by the meter and operatively associated with the adjusting means to indicate the setting of the adjusting means in accordance with the temperature and specific gravity of the liquid being metered, and additional means to indicate a setting of the adjusting means to cause a definite predetermined quantity of liquid to pass through the meter in addition to the quantity actually metered without being registered by the meter.

1,981,798
COMPOSITION OF MATTER FOR TREATING ALUMINUM ALLOYS
Walter Bonsack, Cleveland, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 1, 1932, Serial No. 614,843
3 Claims. (Cl. 148—26)

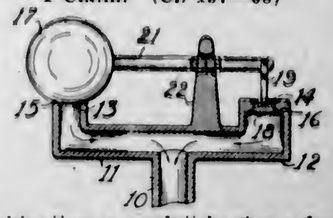
1. A composition of matter for treating aluminum or aluminum alloys comprising a flux containing a mixture of potassium chloride, sodium chloride and cryolite and a boron compound.

1,981,799
PURIFICATION OF PETROLEUM SULPHONATES
Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 29, 1932, Serial No. 626,233
12 Claims. (Cl. 260—159)

1. The process of obtaining purified oil-soluble sulphonates from petroleum oils, comprising treating the oil with sulphuric acid, washing with a neutralizing agent, extracting sulphonate compounds with an aqueous solution of a solvent, treating said resulting aqueous solution with a dehydrating and separating agent, separating into two parts, namely, solvent and aqueous, and evaporating the solvent part to dryness.

7. An improved oil-soluble sulphonate product derived from petroleum oils by treating with sulphuric acid, washing the acid treated oil with a neutralizing agent, extracting the neutralized oil with an aqueous solution of a solvent and separating the resulting solution, adding a dehydrating and separating agent to the separated solvent solution, separating the mixture of said solvent solution and said dehydrating agent into two parts, and evaporating the separated dehydrated solvent solution to dryness.

1,981,800
LIQUID LEVEL CONTROL DEVICE
Austin Earle Calkins, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 29, 1931, Serial No. 540,965
1 Claim. (Cl. 137—68)

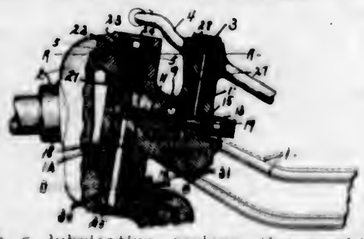


In combination, a conduit having a forked end with spaced openings in its upper wall, a float valve buoyant in a liquid movable downwardly to close one opening, a pressure release valve within that conduit movable upwardly to close the other opening and an arm having spaced portions connected to the valves and an intermediate portion pivotally supported whereby buoying upwardly of the float valve upon rise of the liquid level is augmented by the pressure of the liquid upon the pressure release valve.

1,981,801
PROCESS FOR THE PRODUCTION OF CARBOXYLIC ACIDS
Gilbert B. Carpenter, Bellemoor, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1931, Serial No. 559,126
5 Claims. (Cl. 260—116)

1. In a process of reacting a gaseous mixture containing an olefinic hydrocarbon, steam, and carbon monoxide, and thereby producing an aliphatic carboxylic acid, the step which comprises passing the gaseous mixture over a catalyst containing an acid metal salt of an acidic oxide.

1,981,802
LUBRICATING APPARATUS
Frederick H. Gleason, Auburn, N. Y., assignor to Bowen Products Corporation, Auburn, N. Y., a corporation of New York
Application May 15, 1929, Serial No. 363,295
8 Claims. (Cl. 184—7)



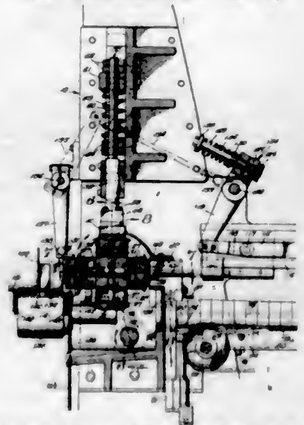
1. In a lubricating system, the combination with two bearings, of a U-tube having the open ends of its legs adapted to supply lubricant to respective bearings, means for supplying lubricant to the U-tube, a third bearing at a lower level supplied with lubricant when the U-tube overflows, and an additional bearing supplied with lubricant from the third-named bearing when the level of lubricant in said bearing exceeds a pre-determined point.

1,981,803
METHOD OF AND APPARATUS FOR PRODUCING MULTISHADE MOTTLED PAPER
Olof H. Hedstrom, Jr., Hartford City, Ind.
Application March 7, 1934, Serial No. 714,489
7 Claims. (Cl. 92—40)

1. The combination with a paper pulp conveyor, of oppositely arranged troughs superposed with relation to the path of the conveyor, means for independently supplying fluids to the respective troughs, means operating within the troughs for raining the fluids therein toward each other for intermingling of the same in suspension and the subsequent dropping thereof onto paper pulp upon the conveyor.

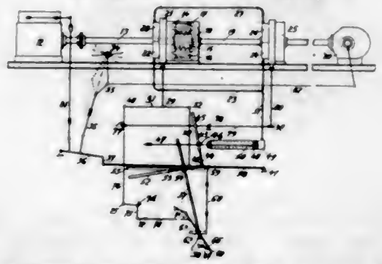
7. The herein described method of producing mottled paper in variegated shades characterized by running or splashing upward and outward toward each other, different colored fluids from adjacent sources of supply and moving under the combined shower a layer of wet paper pulp being formed on a paper machine wire, regulating the percentage of the components in the shower and regulating the speed of discharge of the colored fluids, rain or spray, from their source of supply.

1,981,804
SOAP PRESS
Ruel A. Jones, Covington, Ky., assignor to R. A. Jones & Company, Inc., Covington, Ky., a corporation of Kentucky
Application July 7, 1933, Serial No. 679,391
13 Claims. (Cl. 25—9)



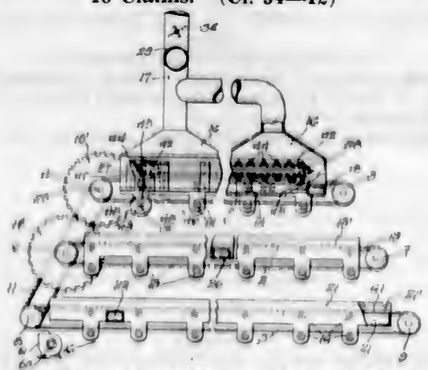
1. In a soap press, a frame, a square shaft having trunnions at its ends mounted at said frame, means for imparting intermittent 90° rotation to said square shaft, flasks secured against the respective faces of the square shaft, die elements slidably mounted in the compartments of said flasks, diametrically disposed rods connecting diametrically opposite die elements, the rods in one instance straddling the rods in the other instance, radially moving plungers for moving soap blocks into the flasks at one side of the rotary shaft, means for pressing the soap at the next stop beyond said plungers, whereby said diametrically opposed die elements through the rod connections are effective for discharging the pressed soap.

1,981,805
DRIVING MECHANISM
Bohuslav Kačer and Max Nohel, Prague, Czechoslovakia
Application November 1, 1933, Serial No. 696,287
In Germany December 31, 1932
12 Claims. (Cl. 74—472)



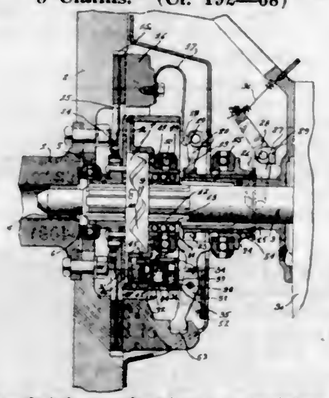
1. A driving mechanism having a control lever and in which a planet gear having a loose rim is provided for transmitting motion from the driving shaft of the driving engine to the driven shaft, comprising a first pump system connected to the loose rim of said planet gear, a second pump system having a variable delivery volume, communicating with said first pump system and adapted to act as an hydraulic motor on said driven shaft, regulating rods adapted to be shifted by the control lever of said driving mechanism and on being shifted to adjust the hydraulic gear for variable transmission formed by said first and second pump systems, automatic shifting means for automatically shifting said regulating rods under the influence of the hydraulic pressure in said hydraulic gear, a slotted member operatively connected to said automatic shifting means and carrying a fulcrum of one of said rods, a second slotted member connected to said rods, a fixed guide, and a common slide block engaging the said guide and the said slotted members.

1,981,806
DRIER AND METHOD FOR THE MANUFACTURE OF GELATINOUS SUBSTANCES
Thomas K. Lowry, Chicago, Ill., assignor to Darling & Company, a corporation of Illinois
Application June 28, 1929, Serial No. 374,524
18 Claims. (Cl. 34—12)



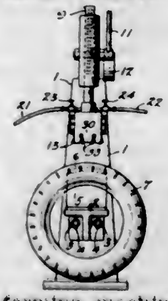
1. The method of drying glue pellets which comprises the steps of subjecting the pellets to a conditioned drying medium substantially free from moisture and simultaneously agitating the pellets to prevent the pellets from adhering to each other and to form a non-sticky surface on each of said pellets.

1,981,807
FRICTION CLUTCH
Kenneth E. Lyman, Rockford, Ill.
Application November 25, 1932, Serial No. 644,230
8 Claims. (Cl. 192—68)



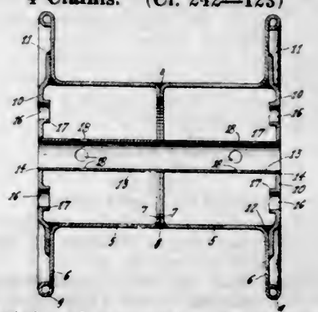
1. In a clutch mechanism comprising a driving member, a driven member, friction clutch elements between said members, a cam device connected to one of said friction elements, a cammed device having a longitudinal shifting movement splined upon the driven member, cushioning means between said devices, and means actuated by said cammed device for increasing the frictional resistance of said friction elements.

1,981,808
TIRE TREAD BURNER
Harvey F. Maranville, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 22, 1932, Serial No. 624,059
1 Claim. (Cl. 101—9)



A tire tread forming machine comprising a standard, a bracket carried by said standard, means for adjusting said bracket vertically, a tire supporting standard positioned upon said bracket, a core having a longitudinally and transversely convex upper surface and forming the upper part of said tire supporting standard, a tread forming matrix carried by said standard and having a longitudinally and transversely convex surface, means for forcibly pressing said tread forming matrix toward said core, means carried by said tread forming matrix for centering said matrix with respect to said core, and a gas and air mixing chamber formed inwardly of said matrix for the heating thereof.

1,981,809
REEL
Paul M. Mueller, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application October 3, 1931, Serial No. 566,646
4 Claims. (Cl. 242—123)



3. A metal reel comprising, in combination, a barrel member having at each end an integral, outwardly extending annular flange and a reinforcing breast plate permanently connected to said flange by a weld substantially co-extensive with the inner edge of the flange and also by a second weld spaced radially outwardly from said first weld.

1,981,810
MOLDED OBJECT
Frederic A. Parkhurst, Bethesda, Md., assignor to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts
Application May 4, 1933, Serial No. 669,387
1 Claim. (Cl. 273—33)



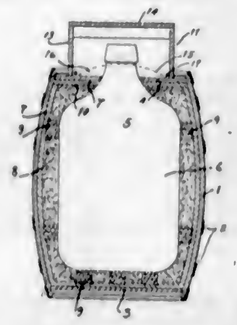
As a new article of manufacture, a golf tee of cellulose ester material comprising, a united shank and head, the said shank being performed to have a cylindrical body portion of a certain cross-sectional area and a lower downwardly-tapering end portion with the said body cut away at a side thereof adjacent its upper extremity to provide a part which is eccentrically disposed relative to and of less cross-sectional area than the parts of the body immediately above and below said eccentrically-disposed part, the said head being formed from a pellet member of moldable cellulose ester material molded about the upper end of said body of the shank into the shape of a head having an upper ball-supporting surface above the upper extremity of the shank and a lower portion surrounding the uppermost part of the shank above and below said eccentrically-disposed part with a part thereof extending into the cut-away portion of the shank, the sides of said lower portion of the head converging downwardly onto the shank to a point below the said eccentrically-disposed part thereof, all adapted and arranged whereby the head member is locked to the shank against longitudinal or rotative movements relative thereto and provides therewith an integral structure.

1,981,811
PROCESS FOR RECLAIMING RUBBER AND SIMILAR SUBSTANCES
Anderson W. Ralston, Chicago, Ill., and James R. Wright, Baton Rouge, La., assignors to Standard Oil Development Company
No Drawing. Application March 14, 1932, Serial No. 598,876
9 Claims. (Cl. 18—52)

1. An improved process for the devulcanization of rubber and rubber-like substances, which comprises subjecting the vulcanized rubber to the action of hydrogen under pressure in excess of 20 atmospheres, and at a temperature below the decomposition temperature of rubber for a time sufficient to eliminate the sulphur but insufficient to saturate the rubber.

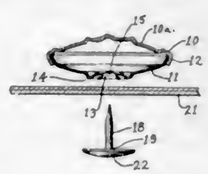
1,981,812
CARBOY CONTAINER
Peter Anthony Rossa, Willistone Park, N. Y., assignor of one-half to William G. Bjorkstedt, Jamaica, Long Island, N. Y.
Application May 10, 1932, Serial No. 610,360
3 Claims. (Cl. 217—53)

1. A carboy-holder, comprising in combination a container, adapted to surround a carboy-bottle at some distance from itself, a liquid-proof lining on the inner side of the wall of the container, carboy-positioning members arranged between the container-lining and the carboy-bottle, a light voluminous packing material filled in the space between the container-lining and the carboy-bottle, a cap member covering the top portion of the said carboy-bottle, the said cap member being



formed with straight side and end walls, and with a cylindrically shaped bottom portion.

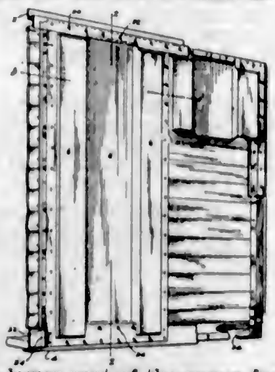
1,981,813
PIVOT BACK BUTTON
Louis Schuster, Waterbury, Conn., assignor to L. C. White Company, Waterbury, Conn., a corporation of Connecticut
Application December 28, 1932, Serial No. 649,122
8 Claims. (Cl. 24—108)



1. In a garment attachment device, a top shell, a hardened one-piece back secured to said shell, said back having a depressed annular bead and an inner raised apertured dome section, said domed section being slitted to form resilient tongues, and an attaching member having a pointed pin adapted to be adjustably forced through said aperture, said pin having locking engagement with said tongues, the shank of said pin being continuously smooth and uninterrupted throughout its length, said shank having such a length with respect to the interior spacing between said back and said shell as to provide for adjustable connection between said thumb tack and said gripping tongues.

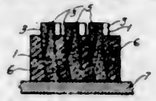
1,981,814
RAILWAY CAR WALL
Vinton E. Sisson, Winnetka, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application December 16, 1933, Serial No. 702,700
8 Claims. (Cl. 105—409)

1. In a railway car having an upper frame member, a lower frame member, and a wall plate extending between said frame members and secured to the inner side of the upper frame member and to the outer side of the lower frame member, said wall plate provided with an outwardly projecting panel which merges into the plate below the lower part of the upper frame member and overlaps the upper part of the lower frame member, said wall also provided with an inwardly projecting panel which merges into the plate above the upper part of the lower frame member and



overlaps the lower part of the upper frame member.

1,981,815
EYEGLASS LENS AND METHOD OF MAKING SAME
Nathan M. Stanley, Dayton, Ohio
Application June 8, 1932, Serial No. 616,079
5 Claims. (Cl. 49—82.1)



1. In a method of manufacturing eyeglass lenses, grinding a semi-circular countersink in a semi-circular distance lens, and inserting and fusing a semi-circular button therein.

1,981,816
ADAPTER FOR ELECTRIC LAMP SOCKETS
Henry K. Wack, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts
Application November 8, 1932, Serial No. 641,722
12 Claims. (Cl. 173—357)



5. In a device of the character described, a plate contact member of approximately U-shape, the two arms of which are each provided with inner complementary corrugated edges adapted to fit the threaded end of a lamp bulb and with outer complementary corrugated edges adapted to fit the inner face of the threads of a screw shell.

1,981,817
BOTTOM HOLE SAMPLING DEVICE
Everett P. Weatherly, Jr., Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1933, Serial No. 704,252
6 Claims. (Cl. 137—18)

1. In a sampling device for fluids subjected to pressure, a chamber the interior of which is under less pressure than the fluid, the chamber having an inlet passage, a frangible closure closing the passage and adapted to be ruptured under continued application of the pressure to admit the fluid into the chamber, and a one-way valve in the passage between the closure and the chamber actuated by the pressure of the fluid to permit flow of the fluid into the chamber until the pressure inside and out of the chamber is substantially equalized, and to then close the passage to prevent discharge of the fluid from the chamber.



1,981,818
APPARATUS FOR COUNTER-CURRENT TREATMENT OF TWO IMMISCIBLE LIQUIDS
Thomas C. Whitner, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 21, 1931, Serial No. 517,549
2 Claims. (Cl. 196—46)



1. Counter-current treating apparatus adapted for intimately contacting two immiscible liquids of different specific gravity passing in counter-current flow through the apparatus without the aid of external means for contacting the two liquids after they have been introduced into the apparatus comprising a substantially vertically disposed tower, means for introducing a relatively light liquid into the bottom of the tower and means for withdrawing it at the top, means for introducing a relatively heavy liquid into the top of the tower in divided form and means for withdrawing it at the bottom, the tower being

formed in super-imposed sections, a conduit connecting the bottom of each section with a central portion of the top of the next lower section and terminating in spaced relation to said top, the tower containing layers of granular material extending across the tower above each conduit.

1,981,819

INITIATING POLYMERIZATION REACTIONS

Peter J. Wiezevich, Elizabeth, and James M. Whiteley, Jr., Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 8, 1931, Serial No. 536,074

16 Claims. (Cl. 196—10)

1. The method of polymerizing gaseous and light liquid materials containing large amounts of olefines, comprising preheating the olefine-containing material and then adding a quantity of gaseous oxidizing agent insufficient to react with the total olefines entering the polymerization reaction.

1,981,820

PROCESS OF ELECTRODEPOSITING RHODIUM, BATH AND METHOD OF PREPARING THE SAME

Fritz Zimmermann, Newark, and Herbert E. Zschiegner, Woodbridge, N. J., assignors to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application August 27, 1931, Serial No. 559,779

12 Claims. (Cl. 204—1)

1. An electrolyte for depositing rhodium, which includes, a rhodium phosphate compound in a dilute sulphuric acid solution.

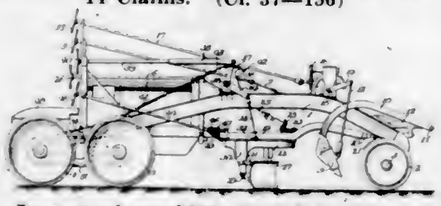
1,981,821

DUAL DRIVE ROAD MACHINE

William T. Beatty, Chicago, and Fred D. Wilson, Harvey, Ill., assignors to Austin Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application February 7, 1930, Serial No. 426,489

14 Claims. (Cl. 37—156)



1. In a road machine, provided with a road working tool, an elongated frame for said machine, a power plant adjacent the rear of said frame, an auxiliary frame, means for mounting said power plant on said auxiliary frame, and a plate positioned adjacent the front of said power plant and rigidly connecting said auxiliary and main frames for reinforcing the same.

1,981,822

RUBBER VULCANIZATION ASSISTANT

Arthur W. Burwell, Niagara Falls, N. Y., assignor to Alox Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 9, 1930, Serial No. 501,167

11 Claims. (Cl. 18—53)

1. As a new composition of matter, a mixture adapted to be vulcanized by the heat and pressure method and comprising rubber, sulfur, zinc oxide, an organic accelerator of vulcanization and a mixture consisting essentially of water-insoluble, petroleum-soluble, saturated monocarboxylic acids, of petroleum origin.

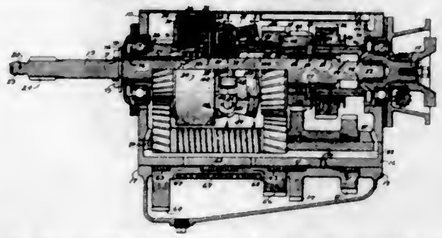
1,981,823

MOTOR VEHICLE TRANSMISSION GEARING

Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio

Application October 21, 1933, Serial No. 694,627

20 Claims. (Cl. 74—336)



19. In a device of the character described, a driving member, a driven member, a clutch for connecting said members, speed responsive means for controlling the clutch, gear means for connecting the members around the clutch upon disengagement thereof, said gear means comprising one gear movable axially by the axial component of the load carried thereby, and means connecting said one gear to said speed responsive means for controlling said speed responsive means by said axial movement of said gear.

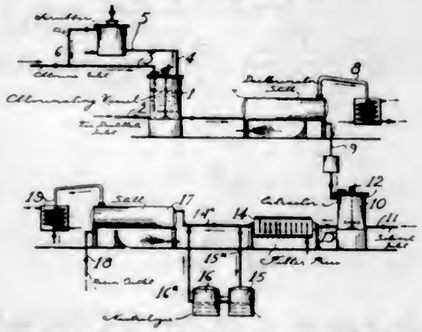
1,981,824

PROCESS FOR PRODUCING RESINS OF PETROLEUM ORIGIN

Stewart C. Fulton, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 30, 1931, Serial No. 572,058

4 Claims. (Cl. 260—2)



3. Process for producing a resin, which comprises chlorinating a distillate, boiling above about 300° F. at 1 mm. mercury absolute pressure, from a cracked petroleum tar, dechlorinating the chlorinated distillate by heating it to about 660° F. under vacuum, and extracting a resin from the dechlorinated residue product with a solvent.

1,981,825

VALVE

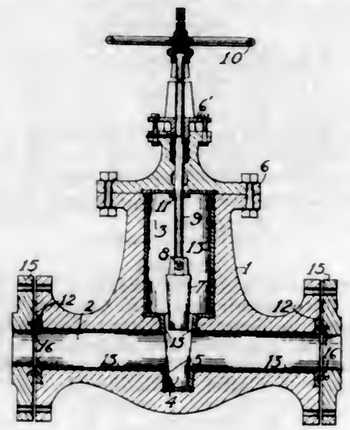
Clinton H. Miller, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 23, 1931, Serial No. 546,209

1 Claim. (Cl. 251—155)

In a valve structure, a liner formed with a passageway communicating with a valve chamber having a valve pocket disposed transversely

of the passageway, a housing cast around and adhering to the liner by fusion, and a valve



member movable to seat against the side walls of the valve pocket.

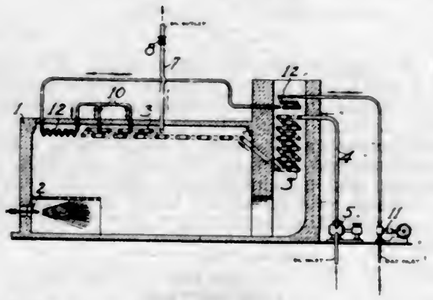
1,981,826

METHOD OF HEAT TREATING OIL

Edward B. Peck, Elizabeth, and Carl E. Kleiber, Irvington, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application June 19, 1931, Serial No. 545,418

7 Claims. (Cl. 196—65)



6. In the heat treatment of hydrocarbon oil, the steps which comprise passing the hydrocarbon oil through an elongated narrow heating zone, exteriorly applying heat to the zone whereby the temperature of the oil is raised to a low cracking temperature without substantial decomposition, maintaining the oil under greater than atmospheric pressure, injecting a gaseous oxidizing agent into the stream of heated oil in an intermediate portion of the heating zone in amounts sufficient to burn at least 1% of the oil whereby its temperature is raised to a rapid cracking temperature, and permitting reaction at such temperature.

1,981,827

CONTROLLING SYSTEM

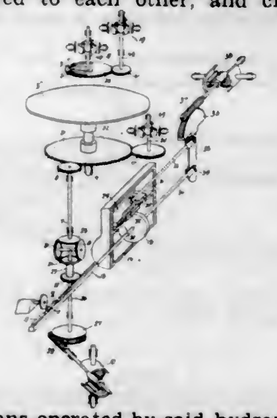
Wolfgang Otto, Kitzeberg, near Kiel, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro", The Hague, Netherlands

Application May 25, 1934, Serial No. 727,568

In Germany June 7, 1933

8 Claims. (Cl. 33—204)

1. In a controlling system, a servomotor unit comprising a hydraulic motor and an electric motor geared to each other, and circuit-controlling means operated by said hydraulic motor and adapted to govern said electric motor.



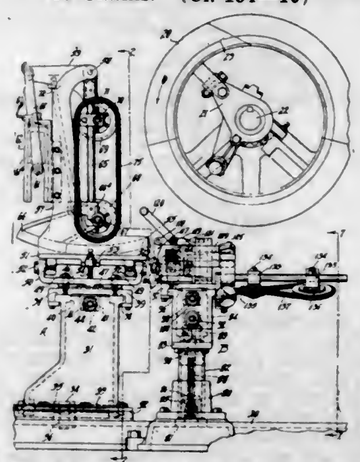
1,981,828

METHOD AND APPARATUS FOR BUILDING TIRES

Florain J. Shook, Akron, Ohio, assignor to Paul A. Frank, Akron, Ohio

Application April 28, 1932, Serial No. 608,068

40 Claims. (Cl. 154—10)



7. Tire building apparatus comprising an annular tire building form adapted to receive plies of tire building fabric upon the tread portion thereof, means for rotating the form, and a stitching element having a longitudinal reach thereof extending over the form obliquely to the course of movement of the form so as to have a progressive stitching action on the fabric on the form to shape the fabric about the form, said element being rotatable about its longitudinal axis, to apply rolling pressure to the fabric as it is being shaped, in a direction substantially normal to the longitudinal reach of the element.

1,981,829

MOVING PICTURE PROJECTOR

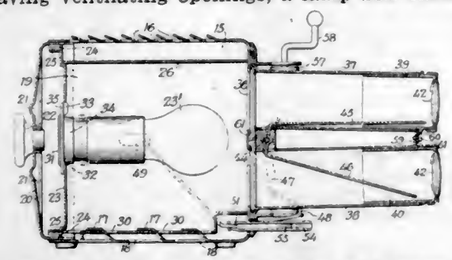
Jacob D. Stiriss, Cleveland, Ohio, assignor to Durable Toy and Novelty Corporation, New York, N. Y.

Application June 28, 1934, Serial No. 732,932

8 Claims. (Cl. 88—16.6)

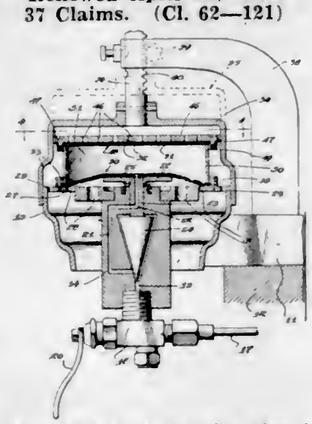
1. In moving picture projectors, the combination of a housing having ventilating openings

in its bottom and top, a closure at one end and having ventilating openings, a lamp box carried



by the housing, projection tubes, and swinging shutters in said tubes.

1,981,830
REFRIGERATING APPARATUS
Seth L. Bright, Detroit, Mich., assignor, by mesne assignments, to Arid Ice Corporation, Detroit, Mich., a corporation of Michigan
Application August 20, 1927, Serial No. 214,393
Renewed April 25, 1934
37 Claims. (Cl. 62—121)

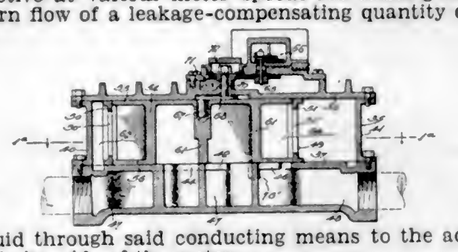


1. In the method of forming dry ice bricks, those steps which consist in introducing a refrigerant under pressure into a chamber having rigid walls, maintaining substantially atmospheric pressure in said chamber and interrupting the flow of refrigerant by pressure exerted by the completely formed brick.

10. In the method of forming dry ice bricks, those steps which consist in introducing a refrigerant which is under pressure into a chamber having a rigid wall, expanding the refrigerant to substantially atmospheric pressure and controlling the passage of refrigerant to said chamber by the displacement of the accumulated refrigerant.

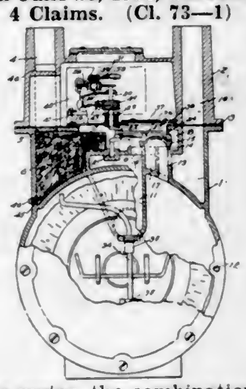
1,981,831
FLUID METER
Walter S. Brubaker, San Francisco, Calif., assignor to Granberg Meter Corporation, San Francisco, Calif., a corporation of California
Application December 30, 1930, Serial No. 505,597
16 Claims. (Cl. 73—30)

1. A meter embodying a casing having a fluid inlet and a fluid outlet, means in said casing for measuring most of the fluid passing therethrough but allowing some leakage to the discharge side of the meter, means for conducting the leakage from the discharge side of the meter to the admission side thereof, and means formed by intrinsic parts of said measuring means and effective at various meter speeds for causing return flow of a leakage-compensating quantity of



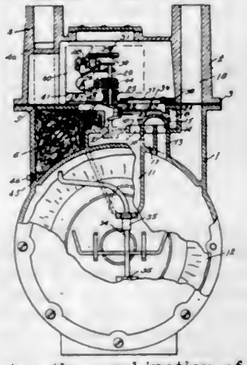
fluid through said conducting means to the admission side of the meter.

1,981,832
GAS METER
Louis J. Corrier and Joseph F. Greiner, Erie, Pa., assignors to American Meter Company, New York, N. Y., a corporation of Delaware
Application June 25, 1931, Serial No. 546,740
4 Claims. (Cl. 73—1)



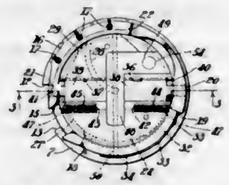
4. In a gas meter, the combination of a register; a crank post having a crank; means actuated by the crank post and actuating the register; a valve; a connection between the valve and the crank actuating the valve; a diaphragm; a driving connection between the post and the diaphragm; and a mounting for the post, register and means, said mounting being removable and forming with the register, post and means a unit assembly.

1,981,833
GAS METER
Louis J. Corrier and Joseph F. Greiner, Erie, Pa., assignors to American Meter Company, New York, N. Y., a corporation of Delaware
Application June 25, 1931, Serial No. 546,741
1 Claim. (Cl. 73—1)



In a gas meter, the combination of a case separated into upper and lower portions; a diaphragm; a chamber in which the diaphragm is mounted, said chamber being in the lower portion of the case; a valve chamber; a filter receptacle; a tangent chamber, said tangent chamber being in the upper portion of the case, said valve chamber and receptacle being arranged between the diaphragm chamber and the tangent chamber, the receptacle having an opening closed by the assembling of the upper and lower portions of the case; a valve in the valve chamber; a tangent mechanism for controlling the valve in the diaphragm chamber; and a driving connection between the diaphragm and the tangent mechanism.

1,981,834
THREAD CASES FOR SEWING MACHINE LOOP-TAKERS
George A. Fleckenstein, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 29, 1932, Serial No. 649,317
21 Claims. (Cl. 112—231)



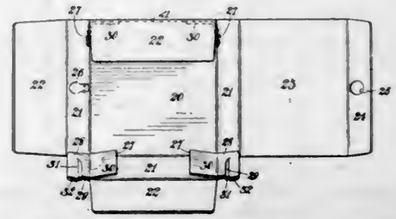
1. A thread-case for sewing machine loop-takers, comprising a base-section having a cylindrical side wall provided with a keeper, a cap-section adapted to be associated with said base-section in thread-mass confining relationship and having an end wall, a latch-member slidably disposed upon said cap-section end wall for engagement with said keeper, a latch-member operating lever pivotally mounted upon said cap-section end wall and disposed in substantially the plane of said latch-member in the keeper-engaging position of the latch-member, and a spring acting in opposition to said lever to yieldingly retract said latch-member from keeper-engaging position.

1,981,835
SPACEBAND FOR JUSTIFYING MATRIX LINES
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application March 3, 1934, Serial No. 713,912
8 Claims. (Cl. 199—68)



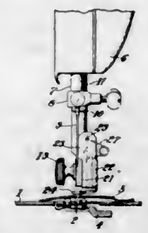
1. A spaceband comprising connected relatively movable short and long members presenting parallel outer faces and adapted for insertion between adjacent matrices having parallel faces and ears projecting from their sides at the top and bottom in the plane of one of their faces, the short member having ears corresponding to the ears at the tops of the matrices, said ears being beveled to facilitate the insertion of the spacebands between the parallel faces of adjacent matrices.

1,981,836
CARDBOARD BOX
Herman L. Greve, Hollis, N. Y., assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y.
Application June 14, 1933, Serial No. 675,717
3 Claims. (Cl. 229—32)



1. In cardboard boxes and the like, means for interlocking juxtaposed edge margins of two laminated layers of material, said means comprising a tab integral with each layer and defined by a slit extending from the juxtaposed edge of each layer, one of said tabs being arranged and positioned to overextend the other and to interlock therewith.

1,981,837
NEEDLE-STRIPPER FOOT FOR SEWING MACHINES
Martin Hemleb, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 7, 1933, Serial No. 688,423
10 Claims. (Cl. 112—236)

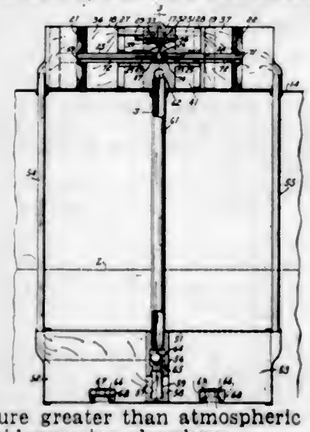


1. An attachment for sewing machines comprising, a supporting member, a needle-stripper foot mounted upon said supporting member for vertical movement thereupon, a stop limiting the upward movement of said foot upon said supporting member, and a spring yieldingly urging upward movement of said foot.

1,981,838
FUEL FEEDING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Erwin C. Horton, Hamburg, and Henry Hueber, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application February 17, 1932, Serial No. 593,574
7 Claims. (Cl. 103—164)

1. In a suction operated fuel pump, a pair of fuel pumping chambers below the level of a fuel reservoir, valved passages permitting unidirectional fuel movement by gravity from the reservoir into said chambers, a fuel outlet conduit for

conducting fuel from the pumping chambers, and means operable by suction for alternately apply-



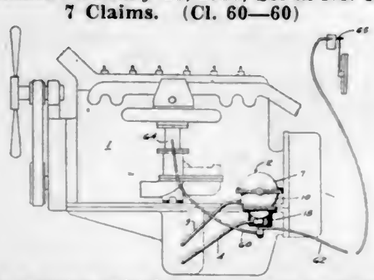
ing pressure greater than atmospheric upon the fuel in said pumping chambers.

1,981,839

WINDSHIELD CLEANER OPERATED FROM THE MOTOR VEHICLE LUBRICATING SYSTEM

Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application February 13, 1930, Serial No. 428,173
7 Claims. (Cl. 60—60)



1. In a motor vehicle power plant including an internal combustion engine, and its circulating fluid system, a suction operated accessory, a passage connecting to the accessory, a motor housing having a plurality of chambers, a rotor contained in one chamber having inlet and outlet ports connected into the fluid system, said inlet port disposed in said rotor chamber tangential to said rotor and said rotor having clearance in its chamber permitting fluid flow past the rotor, and operative connections from said rotor to pumping means contained in another of said chambers, said pumping means being responsive to a predetermined pressure in the passage for resisting fluid actuation of the rotor.

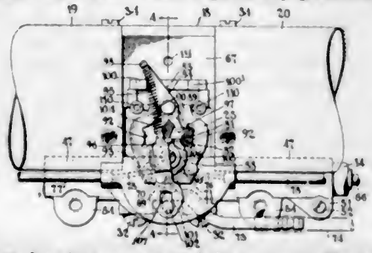
1,981,840

FLUID MOTOR

Henry Hueber and George Dykstra, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application November 28, 1930, Serial No. 498,850
8 Claims. (Cl. 121—164)

1. A motor comprising a supporting structure having drive means, a valve member oscillatably mounted on the drive means, a member for limiting movement of the valve member, a movable kicker mechanism for operating the valve member, and a rotatable actuator driven by the drive means for operating the kicker mechanism, said actuator having a lug normally spaced from and movable into contact with the kicker mechanism to actuate the latter into a primary position, said



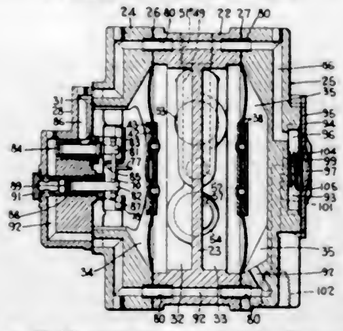
actuator having a second lug normally spaced from and movable into contact with mechanism to actuate the latter into a secondary position from which it snaps to a final position.

1,981,841

FUEL SYSTEM FOR MOTOR VEHICLE ENGINES

Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application February 11, 1932, Serial No. 592,423
17 Claims. (Cl. 103—153)



1. In a fluid pressure operable fuel pump, a casing, a piston movable in the casing and dividing the interior thereof into an actuating chamber and a pumping chamber, valved inlet and outlet passages in the pumping chamber for connection to a fuel reservoir and engine respectively, valved passages in said actuating chamber connectible to atmospheres of different pressures, valves for alternately closing and opening said last mentioned passages, a rock member connected to the valves and pivoted to the casing, a spring connected to the movable end of the rock member, the other end of the spring being anchored to said casing, and means providing a play connection between the piston and a portion of the spring intermediate of its ends.

1,981,842

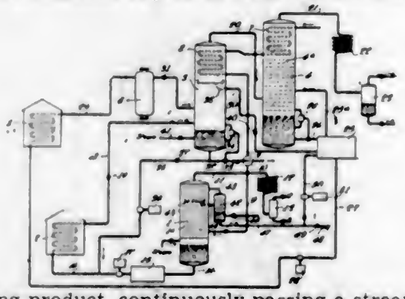
PROCESS FOR CRACKING HEAVY STOCKS

Percy C. Keith, Jr., Bernardsville, N. J., assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application March 27, 1931, Serial No. 525,772
8 Claims. (Cl. 196—49)

1. The method of converting relatively high boiling hydrocarbon oils into lower boiling products which comprises flowing a distillate oil formed in the operation in a confined stream through a heating zone to raise said stream of oil

to a cracking temperature and effect cracking thereof into lower boiling products while maintaining said stream under superatmospheric pressure, thereafter discharging the resulting stream of cracked products into an enlarged separating zone wherein cracked vaporous and non-vaporous products are separated, separately withdrawing vapors from said separating zone and passing them to a fractionating operation wherein higher boiling constituents thereof undesired in the final product are condensed and thereby separated as reflux condensate, withdrawing and condensing the fractionated vapors to form the desired low



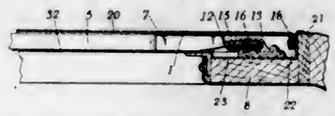
boiling product, continuously passing a stream of cool fresh relatively heavy oil containing heavy residual constituents and lighter volatilizable constituents, in indirect heat exchange with hot cracked products derived from the separating operation taking place in said separating zone to thereby heat said fresh oil to a distilling temperature, thereafter discharging the stream of preheated fresh oil into a separate and independent distilling zone wherein volatilizable constituents of said fresh oil separate as vapors by the contained heat of the said preheated crude oil and the remainder of said fresh oil is collected in the form of a heavy residue, separately withdrawing said heavy residue from said independent distilling zone and flowing it in a confined and independent stream through a heating zone to raise it to a decomposing temperature and effect a reduction of viscosity of said residues and the production of additional charging stock for said cracking operation, thereafter discharging the stream of residue products into said separating zone wherein the lighter constituents thereof separate as vapors and admix with the vaporous products from the said cracking operation and are fractionated therewith, passing reflux condensate from said fractionating operation to said cracking operation as charging stock therefor, and separately withdrawing from said independent distilling zone volatilized distilled products of said fresh oil and adding them to said reflux condensate stock being charged to said cracking operation.

1,981,843

MOVABLE ROOF FOR VEHICLES

Richard Oliver Mobbs, London, England, assignor to The Pytchley Autocar Company, Limited, Slough, England, organized under the laws of Great Britain

Application July 14, 1932, Serial No. 622,386
In Great Britain July 17, 1931
7 Claims. (Cl. 296—137)

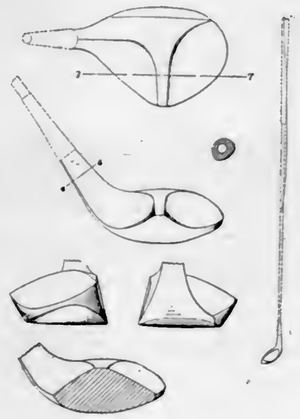


1. For vehicle roofs having an opening, a panel for covering said opening, said panel comprising a frame constituted by flexible sheet metal side members and rigid cross-bars connecting said flexible side members, and a plurality of runner elements struck out of each of said side members.

DESIGNS

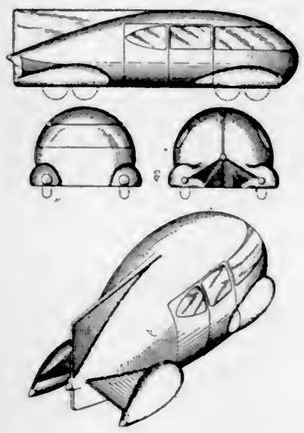
NOVEMBER 20, 1934

93,862
DESIGN FOR A GOLF CLUB
George E. Barnhart, Pasadena, Calif.
Application July 14, 1934, Serial No. 52,592
Term of patent 14 years



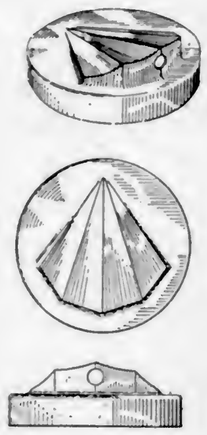
The ornamental design for a golf club as shown.

93,863
DESIGN FOR AN AUTOMOTIVE VEHICLE
Norman Bel Geddes and Worthen Paxton, New York, and William H. Stangle, Brooklyn, N. Y.; said Paxton and said Stangle assignors to said Geddes
Application October 28, 1933, Serial No. 49,590
Term of patent 14 years



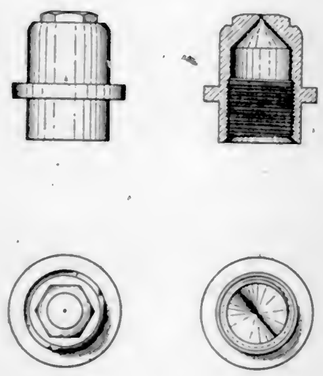
The ornamental design for an automotive vehicle, substantially as shown.

93,864
DESIGN FOR A SUGAR BOWL CAP
Fred H. Bitner, Denver, Colo.
Application August 31, 1934, Serial No. 53,130
Term of patent 7 years



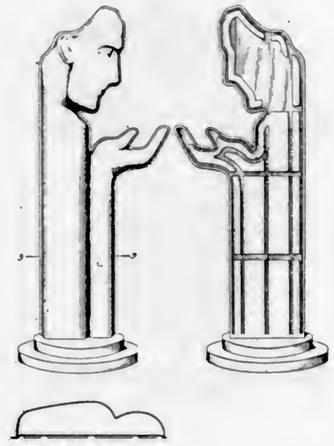
The ornamental design for a sugar bowl cap as shown.

93,865
DESIGN FOR A SPRAY TIP FOR AN OIL BURNER OR THE LIKE
Walter V. Czarnecki, Jr., Eddington, Pa., assignor to Walter Czarnecki, Sr., Mary Czarnecki, Nellie Wojowski, Wesley Czarnecki, Stanley Czarnecki, Walter V. Czarnecki, Jr., and Casimer Czarnecki, a copartnership of Eddington, Pa., doing business as Eddington Metal Specialty Co.
Application March 29, 1934, Serial No. 51,245
Term of patent 14 years



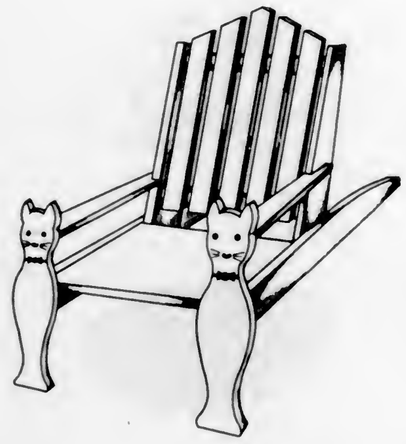
The ornamental design for a spray tip for an oil burner or the like, as shown.

93,866
DESIGN FOR A DISPLAY FORM OR SIMILAR ARTICLE
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co. Inc., Auburn, N. Y., a corporation of New York
Application September 6, 1934, Serial No. 53,210
Term of patent 7 years



The ornamental design for a display form or similar article substantially as shown.

93,867
DESIGN FOR A CHILD'S CHAIR
Frank W. Evans, Omaha, Nebr.
Application September 20, 1934, Serial No. 53,334
Term of patent 7 years



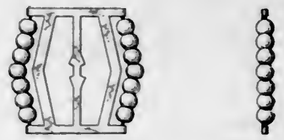
The ornamental design for a child's chair as shown.

93,868
DESIGN FOR A TOWEL
Saul B. Fertig, New York, N. Y.
Application June 22, 1934, Serial No. 52,284
Term of patent 3½ years



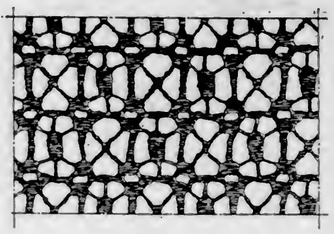
The ornamental design for a towel, as shown and described.

93,869
DESIGN FOR A BUCKLE
Herman Fortman, Brooklyn, N. Y., assignor to Krischer's Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 21, 1934, Serial No. 53,006
Term of patent 3½ years



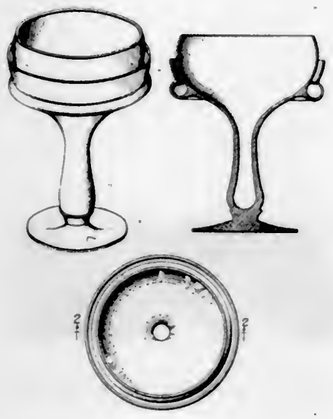
The ornamental design for a buckle as shown.

93,870
DESIGN FOR LACE
Frederick Gentner, Philadelphia, Pa., assignor to North American Lace Company, Inc., Philadelphia, Pa.
Application August 30, 1934, Serial No. 53,118
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

93,871
DESIGN FOR A DRINKING GLASS
Richard B. Griffin, Washington, D. C.
Application September 15, 1934, Serial No. 53,296
Term of patent 14 years



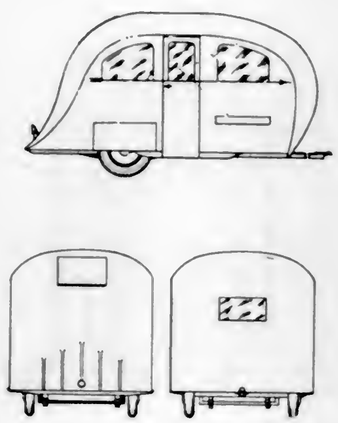
The ornamental design for a drinking glass, as shown.

93,872
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application October 10, 1934, Serial No. 53,535
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

93,873
DESIGN FOR A TRAILER
Fred. E. Kaunitz and Lester R. Kaunitz, Bay City, Mich.
Application April 2, 1934, Serial No. 51,299
Term of patent 7 years



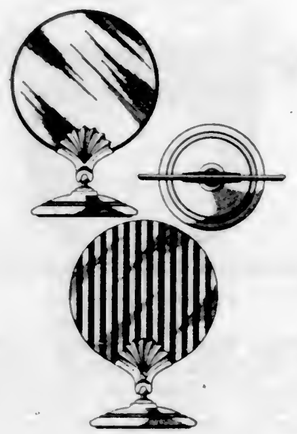
The ornamental design for a trailer, as shown.

93,874
DESIGN FOR A HAND MIRROR
William La Hodny and Gust. C. Hoff, Buffalo, N. Y.
Application September 11, 1934, Serial No. 53,258
Term of patent 14 years



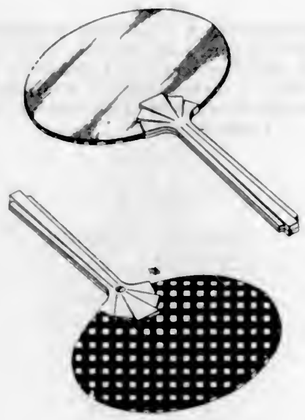
The ornamental design for a hand mirror as shown.

93,875
DESIGN FOR A PEDESTAL MIRROR
William La Hodny and Gust. C. Hoff, Buffalo, N. Y.
Application September 11, 1934, Serial No. 53,259
Term of patent 14 years



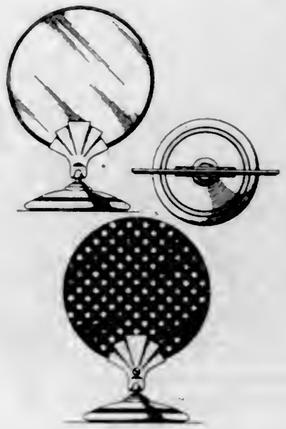
The ornamental design for a pedestal mirror as shown.

93,876
DESIGN FOR A HAND MIRROR
William La Hodny and Gust. C. Hoff, Buffalo, N. Y.
Application September 15, 1934, Serial No. 53,301
Term of patent 14 years



The ornamental design for a hand mirror as shown.

93,877
DESIGN FOR A PEDESTAL MIRROR
William La Hodny and Gust. C. Hoff, Buffalo, N. Y.
Application September 15, 1934, Serial No. 53,302
Term of patent 14 years



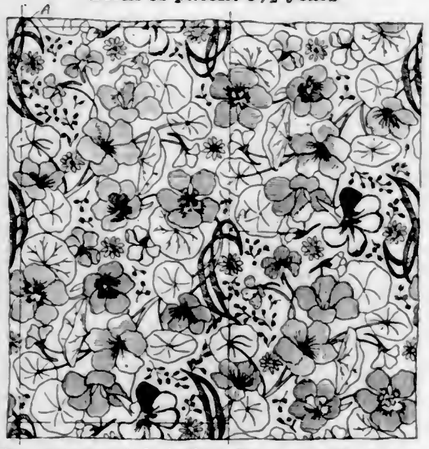
The ornamental design for a pedestal mirror as shown.

93,878
DESIGN FOR A SHOE
Vergil C. Lipscomb, St. Louis, Mo., assignor to Wohl Shoe Company, St. Louis, Mo., a corporation
Application July 30, 1934, Serial No. 52,747
Term of patent 3½ years



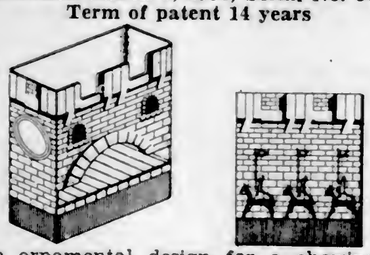
The ornamental design for a shoe, as shown

93,879
DESIGN FOR A TEXTILE FABRIC OR THE LIKE
Rebecca Shapiro Maraniss, New York, N. Y., assignor to S. Shapiro Co. Inc., New York, N. Y., a corporation of New York
Application October 2, 1934, Serial No. 53,456
Term of patent 3½ years



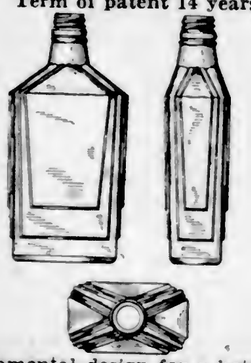
The ornamental design for a textile fabric or the like as shown and described.

93,880
DESIGN FOR A CHEWING GUM CARTON
John McCollum, New York, N. Y.
Application March 9, 1934, Serial No. 50,992
Term of patent 14 years



The ornamental design for a chewing gum carton as shown.

93,881
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Harry R. McDonald, Dunkirk, Ind., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind., a corporation of Indiana
Application September 22, 1934, Serial No. 53,377
Term of patent 14 years



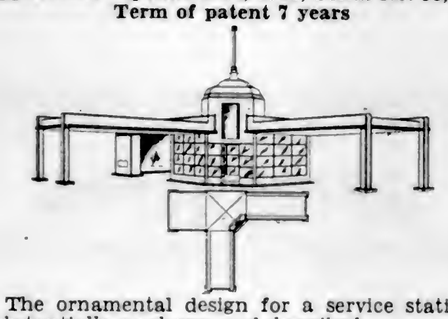
The ornamental design for a bottle or similar container, as shown.

93,882
DESIGN FOR A PRESSURE COOKER
Carl Nelson, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application August 16, 1934, Serial No. 52,962
Term of patent 14 years



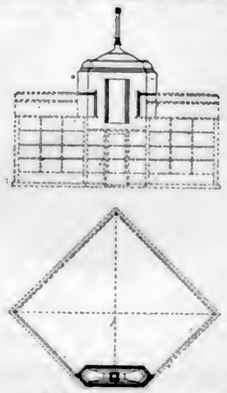
The ornamental design for a pressure cooker, as shown.

93,883
DESIGN FOR A SERVICE STATION
Edith M. Northman, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 24, 1934, Serial No. 53,385
Term of patent 7 years



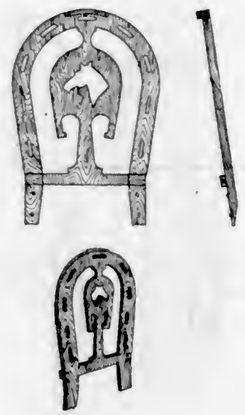
The ornamental design for a service station, substantially as shown and described.

93,884
DESIGN FOR A SERVICE STATION
Edith M. Northman, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 24, 1934, Serial No. 53,386
Term of patent 7 years



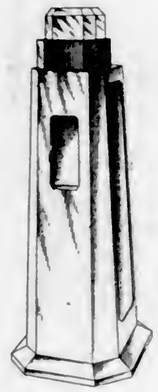
The ornamental design for a service station, substantially as shown and described.

93,885
DESIGN FOR A CHAIR BACK
Joseph S. Opferman, Oakwood Heights, N. Y., assignor to Ganger, Inc., Manhattan, N. Y.
Application August 14, 1934, Serial No. 52,946
Term of patent 3½ years



The ornamental design for a chair back as shown and described.

93,886
DESIGN FOR A CASING FOR GAS SUPPLYING APPARATUS
Gerald D. Peet, Montclair, N. J., assignor to Wallace & Tiernan Company, Inc., Belleville, N. J., a corporation of New York
Application September 1, 1934, Serial No. 53,138
Term of patent 14 years



The ornamental design for a casing for gas supplying apparatus, substantially as shown.

93,887
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application September 22, 1934, Serial No. 53,365
Term of patent 3½ years



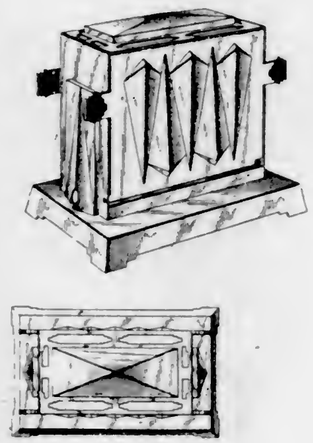
The ornamental design for a shoe, as shown.

93,888
DESIGN FOR A SHOE
Andre Perugia, Paris, France
Application October 1, 1934, Serial No. 53,441
Term of patent 3½ years



The ornamental design for a shoe, as shown.

93,889
DESIGN FOR A CASING FOR AN ELECTRIC TOASTER OR THE LIKE
Edward S. Preston, Chicago, Ill.
Application September 26, 1934, Serial No. 53,397
Term of patent 7 years



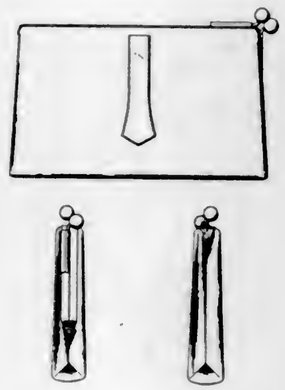
The ornamental design for a casing for an electric toaster or the like, substantially as shown.

93,890
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Lambert L. Raymond, Minneapolis, Minn.
Application March 26, 1934, Serial No. 51,174
Term of patent 14 years



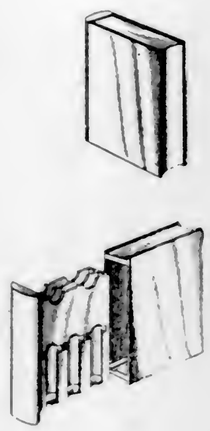
The ornamental design for a Christmas tree ornament, as shown and described.

93,891
DESIGN FOR A HAND BAG
William Resnick, New York, N. Y.
Application August 9, 1934, Serial No. 52,875
Term of patent 3½ years



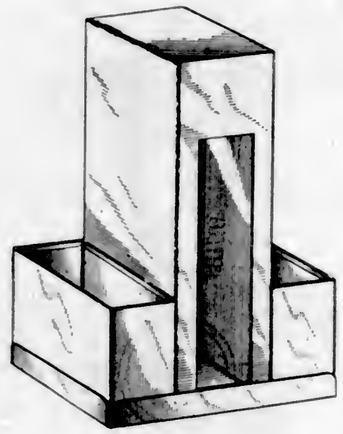
The ornamental design for a hand bag as shown and described.

93,892
DESIGN FOR A PLAYING CARD AND CHIP SET HOLDER OR SIMILAR ARTICLE
Israel Rubinstein, Bronx, N. Y.
Application June 9, 1934, Serial No. 52,119
Term of patent 7 years



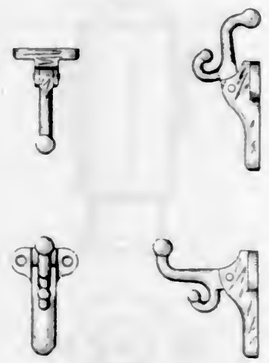
The ornamental design for a playing card and chip set holder or similar article, substantially as shown.

93,893
DESIGN FOR A RECEPTACLE FOR NAPKINS AND STRAWS
John W. Saunders, Chicago, Ill.
Application August 17, 1934, Serial No. 52,974
Term of patent 7 years



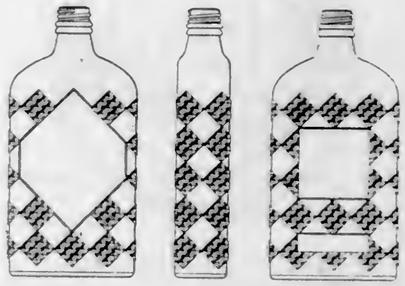
The ornamental design for a receptacle for napkins and straws as shown.

93,894
DESIGN FOR A GARMENT HOOK
Fred J. Skinner, Springfield, Mass.
Application August 13, 1934, Serial No. 52,935
Term of patent 7 years



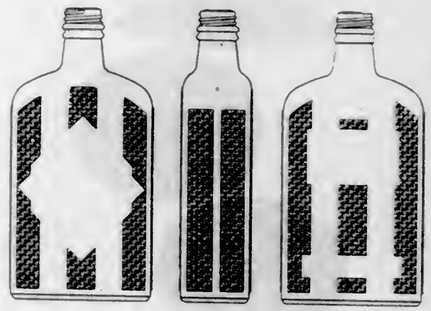
The ornamental design for a garment hook, as shown and described.

93,895
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application September 21, 1934, Serial No. 53,345
Term of patent 7 years



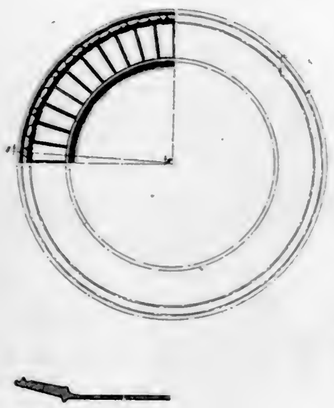
The ornamental design for a bottle as shown.

93,896
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application September 21, 1934, Serial No. 53,346
Term of patent 7 years



The ornamental design for a bottle as shown.

93,897
DESIGN FOR A PLATE OR SIMILAR ARTICLE
William J. Thrower, Minerva, Ohio
Application September 8, 1934, Serial No. 53,239
Term of patent 14 years



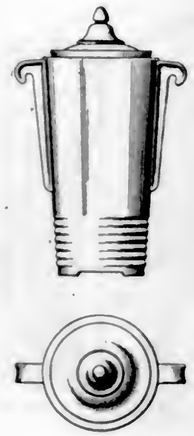
The ornamental design for a plate or similar article as shown and described.

93,898
DESIGN FOR A STRAW HELMET HAT
Alfons Uriwal, Laredo, Tex., assignor to Texas Harvest Hat Company, Inc., Laredo, Tex.
Application August 24, 1934, Serial No. 53,038
Term of patent 14 years



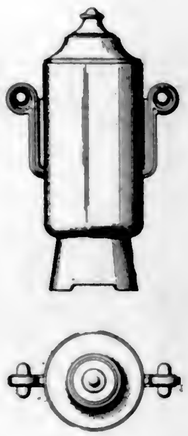
The ornamental design for a straw helmet hat as shown.

93,899
DESIGN FOR A COFFEE URN OR ARTICLE OF ANALOGOUS NATURE
Walter von Nessen, New York, N. Y., assignor to Efcolite Corporation, a corporation of New York
Application September 27, 1934, Serial No. 53,417
Term of patent 7 years



The ornamental design for a coffee urn or article of analogous nature substantially as shown.

93,900
DESIGN FOR A COFFEE URN OR ARTICLE OF ANALOGOUS NATURE
Walter von Nessen, New York, N. Y., assignor to Efcolite Corporation, a corporation of New York
Application September 27, 1934, Serial No. 53,418
Term of patent 7 years



The ornamental design for a coffee urn or article of analogous nature substantially as shown.

93,901
DESIGN FOR A FOOD WARMER OR ARTICLE OF ANALOGOUS NATURE
Walter von Nessen, New York, N. Y., assignor to Efcolite Corporation, a corporation of New York
Application September 27, 1934, Serial No. 53,419
Term of patent 7 years



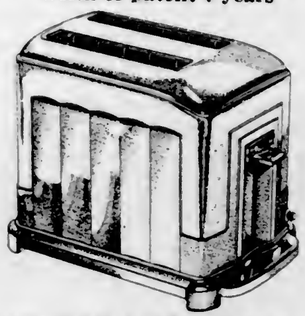
The ornamental design for a food warmer or article of analogous nature substantially as shown.

93,902
DESIGN FOR A BILLFOLD
John P. Wege, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin
Application September 7, 1934, Serial No. 53,218
Term of patent 7 years



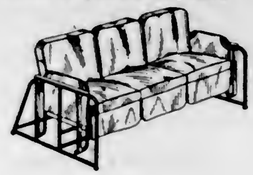
The ornamental design for a billfold as shown.

93,903
DESIGN FOR A TOASTER
Everett Worthington, Chicago, Ill., assignor to Waters-Genter Company, Minneapolis, Minn., a corporation of Minnesota
Application August 24, 1934, Serial No. 53,045
Term of patent 7 years



The ornamental design for a toaster, as shown.

93,904
DESIGN FOR A GLIDER
Joseph Yassay, McKees Rocks, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1934, Serial No. 53,321
Term of patent 7 years





The ornamental design for a glider, as shown.

Patents Nos. 1,981,844 to 1,982,618

THE OFFICIAL GAZETTE

OF THE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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November 27, 1934

Trade-Marks	192—No.	319,416 to No.	319,608, inclusive.
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Labels	19—No.	44,682 to No.	44,700, inclusive.
Prints	6—No.	14,923 to No.	14,928, inclusive.
Reissues	9—No.	19,379 to No.	19,387, inclusive.
Patents	775—No.	1,981,844 to No.	1,982,618, inclusive.
Designs	54—No.	93,905 to No.	93,958, inclusive.
Total	1,093		

Adjudicated Patents

(D. C. Mass.) Farrand patent, No. 1,855,168, for loud speaker, claims 1, 2, and 5 *Held* invalid. *Utah Radio Products Co.* v. *Boudette*, 8 F. Supp. 5.

Trade-Mark Registrations Canceled

95,977. Soap. P. Beiersdorf & Co., Hamburg, Germany. Registered March 31, 1914. Canceled November 1, 1934.

176,721. High-temperature cements. Smith-Beal Fire Brick Co., Minneapolis, Minn. Registered November 27, 1923. Canceled November 12, 1934.

195,464. Certain named knitted, netted, and textile fabrics. Powers, Friend & Lichtman, New York, N. Y. Registered February 24, 1925. Canceled November 12, 1934.

234,079. Stock feeds. Blank & Gottshall Co., Inc., Sunbury and Williamsport, Pa. Registered October 18, 1927. Canceled November 12, 1934.

305,128. Whisky. The Sherwood Distilling and Distributing Co., Baltimore, Md. Registered August 1, 1933. Canceled October 30, 1934.

307,284. A preparation for chill-proofing beer and other malt beverages. Parke, Davis & Company, Detroit, Mich. Registered October 24, 1933. Canceled October 30, 1934.

Interference Notice

U. S. PATENT OFFICE, *Washington, Nov. 2, 1934.*

Frederick Culman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The American Distilling Company, Pekin, Ill., for registration of a trade-mark and trade-mark registered November 4, 1924, No. 191,109, to Frederick Culman, 36 West 44th Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Culman at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Culman, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz.:

Application as originally filed. (Petition, specification, oath, and drawings as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented-cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper, contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

Assignment. (Give the liber and page of the record as well as the name of the inventor.)

Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Service of Papers in Contested Cases

Attention is called to Rule 153 (a), which requires that "every paper" filed in a contested case in the Patent Office must be served upon the other parties.

This includes all appeals in such cases.

Condition of Applications Under Examination at Close of Business November 10, 1934

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 36,844: Trade-Mark Division, 964. Oldest new case, June 10, 1934; oldest amended, June 10, 1934.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
5624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 13	Aug. 25	405
5708	2. HERRMANN, D., Fishing and Trapping; Dairy; Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Aug. 27	Aug. 20	530
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 13	Aug. 11	637
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Sept. 12	Aug. 13	282
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Aug. 13	Aug. 17	487
4898C	6. LEWERS, A. M., Carbon Chemistry	July 28	July 28	934
5725	7. JARBOE, C. G., Optics; Photography	Aug. 10	Aug. 10	718
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 18	Aug. 29	272
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 4	Sept. 1	399
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Aug. 1	Aug. 11	404
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 16	July 13	586
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	July 14	July 14	512
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 22	Aug. 22	389
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 3	July 26	454
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 13	Aug. 13	785
5612	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 11	Aug. 11	491
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 14	July 18	777
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 11	Sept. 8	315
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 15	Aug. 22	601
5613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Aug. 25	Aug. 27	217
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 26	July 30	616
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	July 24	July 25	846
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	June 15	June 11	490
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 13	Aug. 13	530
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 6	Aug. 3	591
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Aug. 30	Sept. 4	280
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Aug. 10	Aug. 10	489
4628	28. BENSON, A. R., Internal-Combustion Engines	Aug. 6	Aug. 6	604
5082	29. SIKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	Aug. 10	Aug. 10	546
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 11	Aug. 10	552
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	July 14	July 12	836
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Aug. 13	Aug. 17	315
5096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	July 13	July 13	724
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	June 10	June 10	865
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Aug. 2	Aug. 2	702
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	July 13	July 17	510
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light Sensitive Circuits	July 10	July 12	660
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	July 16	July 30	483
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 13	Aug. 14	589
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 3	Aug. 3	901
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 10	Aug. 13	515
5882	42. CUTTING, H. O., Electric Signaling	July 16	July 9	705
4886B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	July 7	July 7	721
4087B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	July 12	July 5	806
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Aug. 24	Aug. 30	365
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Sept. 1	Sept. 1	352
7600	47. BARKER, H., Clutches; Brakes	Aug. 13	Aug. 13	730
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 17	July 18	505
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 26	July 13	659
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	July 10	July 10	800
5628	51. BACKUS, C. D., Radiant Energy	Aug. 24	Aug. 24	606
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	Aug. 14	Aug. 14	626
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 22	Aug. 31	469
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	July 25	July 30	651
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Sept. 13	Sept. 12	300
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	July 12	July 12	801
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Aug. 22	Aug. 31	270
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 10	Aug. 14	369
4709	59. RICHARD, V. I., Chemistry; Fertilizers	July 5	July 5	685
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	July 25	July 25	533
6724	61. PARKS, G. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus	Aug. 28	Sept. 4	243
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Aug. 11	Aug. 11	587
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	July 25	July 25	532
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	Aug. 10	Aug. 10	843
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 18	July 18	517
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND.—Trade-Marks	Oct. 10	Oct. 26	753
	—Labels and Prints	Oct. 11	Oct. 27	211
2605	DESIGNS, H. H. KALUPY (Act.)	Oct. 11	Oct. 22	430

DECISIONS IN PATENT AND TRADE-MARK CASES

Court of Appeals of the District of Columbia

BLACK CLAWSON CO. ET AL. *v.* ROBERTSON ET AL.

No. 5,749. Decided May 14, 1934

SUIT UNDER SECTION 4915 REVISED STATUTES—ABATEMENT.

Where plaintiffs, in suit against Commissioner of Patents to obtain patent, did not, within six months, move for continuance of suit against Commissioner's successor in office, suit abated, and was dismissed (U. S. C., title 28, sec. 780).

APPEAL from the Supreme Court of the District of Columbia.

Mr. Reeve Lewis and *Mr. Greer Marechal* for appellants.

Mr. T. A. Hostetler for the Commissioner of Patents.

Mr. Gardner W. Pearson and *Mr. Joseph H. Milans* for appellees.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, and GRONER, Associate Justices

PER CURIAM:

Appellants filed a bill in equity in the Supreme Court of the District under section 4915, Revised Statutes, as amended (sec. 63, tit. 35, U. S. C.), against Thomas E. Robertson, as Commissioner of Patents, to authorize that officer to reissue Patent No. 1,494,265, dated May 13, 1924. The bill contained a group of claims which had been passed upon by the tribunals of the Patent Office and, in addition, appellants sought to add a group of new claims which had not been regularly filed or considered in the Patent Office. The court below held that the claims rejected by the Patent Office did not involve invention, and that it was without jurisdiction to consider the new claims not in the Patent Office application, and dismissed the bill; whereupon this appeal was taken.

The case in this court was submitted on oral argument and printed briefs on April 6, 1933. Owing to the fact that the question whether under the provisions of section 4915, Revised Statutes, as amended, claims not in the application as submitted to the Patent Office might be added was raised in a case submitted on March 10, 1933 (No. 5663, *Lucke* v. *Robertson*), the decision in the present case awaited the decision in the *Lucke Case*. On May 8, 1933, an opinion was filed in the *Lucke Case*, and on motion of the Commissioner of Patents filed May 22, 1933, a rehearing was granted, and final opinion rendered on February 4, 1934. *Lucke* v. *Coe*, 63 App. D. C. 61, 69 F.(2d) 379, 439 O. G. 839. Meanwhile, on June 26, 1933, Mr. Robertson was succeeded as Commissioner of Patents by Mr. Conway P. Coe.

On March 2, 1934, the Solicitor for the Patent Office directed our attention to the failure of the Black Clawson Company and Martindale to move, under section 11 of the act of February 13, 1925, c. 229, 43 Stat. 936, 941; U. S. C., title 28, section 780, that the court "permit the cause to be continued and maintained by or against the successor in office of such officer" within the six months' period during which such a motion should have been filed. We see no escape from the conclusion that the action has abated. *Le Conti* v. *McAdoo*, 253 U. S. 217; *Claussen* v. *Curran*, 276 U. S. 590; *Fix* v. *Phila. Barge Co.*, 290 U. S. 530.

We, therefore, remand the case to the court below, with directions to dismiss the bill.

Remanded with directions to dismiss.

U. S. Court of Customs and Patent Appeals

IN RE HARVEY

No. 3,326. Decided June 12, 1934

[71 F.(2d) 200]

PATENTABILITY—ONE-PIECE PORCELAIN INSULATOR.

Claims for a one-piece porcelain insulator *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Harold E. Stonebraker for Harvey.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

Mary J. Harvey, "executrix of the estate" of William F. Harvey, deceased, filed an application in the United States Patent Office for a patent upon certain improvements in porcelain insulators of the type having a multiplicity of skirts or projecting flanges, and such as are often used in electric insulation.

The Examiner rejected claims 7 and 8 of the application, which are as follows:

7. As an article of manufacture, a one-piece porcelain insulator formed by the wet process plunger method comprising a central body portion, and a plurality of flanges extending laterally therefrom in spaced relation along the body portion substantially as set forth.

8. As an article of manufacture, a one-piece porcelain insulator formed by the wet process plunger method comprising a central body portion, a plurality of flanges extending laterally therefrom in spaced relation along the body portion, and a petticoat depending from one or more of said flanges substantially as set forth.

These were rejected upon reference to the following: Plimpton, 1,328,687, January 20, 1920, and British patent 281,550, December 8, 1927.

The Examiner also added to the record: Harvey, 1,779,811, October 28, 1930.

This last reference was a process patent, issued to the decedent of the applicant on October 28, 1930, on an application filed January 3, 1928. This patent contained seven claims, claim 6 being illustrative and as follows:

6. The method of making a one-piece wet process insulator consisting in first forming one portion of the insulator by pressing it into a mold, retaining the mass in said mold and protecting the opposite side of said formed portion by a sectional mold while subsequently forming another part of the insulator integral with the first mentioned part by applying pressure toward said sectional mold and the first named portion.

After the rejection by the Examiner, a number of affidavits were filed by the appellant, the substance of which is that, prior to the invention of the appellant, the method of making one-piece porcelain insulators was by casting, and that, in casting, it was necessary to use a liquid clay mixture which,

when it hardened, did not have the same durability and lasting qualities as would have been the case if a wet process clay had been used; that the porcelain best suited for high tension insulators contains approximately 30 per cent ball clay, 20 per cent china clay, 30 per cent feldspar, and 20 per cent flint, and that such a mixture cannot be used in casting. These affidavits also describe the various methods of making insulators by such casting methods.

The Board of Appeals affirmed the decision of the Examiner, and the appellant brings the matter here for review.

We have examined the references. The reference Plimpton is a patent on an improvement in insulator supports, and shows a device for an attachment of an insulator to a cross arm. In this disclosure the patentee shows by his drawings a one-piece insulator with successive depending skirts on the exterior thereof. In describing this insulator, the patent states:

> • • • The threaded upper end or thimble engaging portion 6 cooperates with the insulator 7, which is of the usual type, and formed of porcelain or other non-conducting material.

The reference Berg, British patent 281,550, shows an insulator for supporting electric cables carrying high voltages, and more particularly describes the method of attachment of such insulator to its support. However, the important feature of the reference is that the patentee shows a one-piece insulator with two depending, spaced skirts on the exterior thereof, the upper skirt having dependent from the interior thereof what is known in the art as a petticoat. The patentee describes this insulator as being—

> constructed from porcelain or a suitable electrically non-conductive material.

On comparison of the shape and form of Berg's insulator with that shown by the application here, no material difference appears.

It appears, therefore, that the prior art discloses one-piece porcelain insulators of exactly the same type as that shown here, and that there has been already issued to the appellant's decedent a patent covering his process for making the insulator upon which she here seeks a product patent.

We are of opinion the Board of Appeals did not err in refusing the application of appellant. It is argued that the claims of the appellant should be read with reference to the material of which the insulator is made, and that the court should consider, as an element of patentability, the language of the claims, "formed by the wet process plunger method." It is argued that the difference in the material of which appellant's insulators and those of the prior art are made, is sufficient to make appellant's claims describe patentable subject matter, because the product produced is new. In support of this claim the familiar principle of law is announced that where it is necessary, in order to properly describe a product, to refer to the process by which the product is made, this may be done; that such is the case here, and, accordingly, that the claims must be considered with the wet process method in mind.

The difficulty with this position is that in neither the Plimpton nor the Berg reference is the material of which the insulators are formed described in any other way than as porcelain. Such porcelain may be, so far as these references show, of the exact and precise composition which is preferred by the appellant here in her specification. In addition, it will be observed that the claims here in issue do not recite any particular composition of clay or porcelain which is used. Therefore, it does not appear that patentability may be claimed in this respect.

The process which Harvey employed in making this insulator was new and inventive, and because of this the Patent Office granted him a process patent. However, as shown by the references here, the product which was produced was simply an insulator such as was known to the prior art. It was no different, so far as the record shows, and, so far as the claims here in issue extend, from those known in the prior art. It quite frequently happens that an article well known in the art may be constructed by a new and patentable process. *In re Lawson*, 17 C. C. P. A. (Patents) 1006, 39 F.(2d) 667, 397 O. G. 165.

The case before us much resembles *In re Butler*, 17 C. C. P. A. (Patents) 810, 37 F.(2d) 623, 394 O. G. 276, where claims for an aluminum piston were included in an application, which also claimed the method of making the same. The Patent Office denied the claims for the article or product and this court took the same view of the matter, saying, in conclusion, referring to the cases holding that a product may at times be described by reference to the process of producing it:

> It may be the law that this rule has proper application in cases where it is obvious that the inventor has created an article of manufacture which is *a new thing*, a useful thing and embodies invention and where such an article can not be properly discriminated, in a claim, from the prior art otherwise than by reference to the process of producing it. The facts in the instant case do not disclose a situation where it is *obvious* that the applicant by molding a wavy slot instead of sawing it, has produced a new, useful thing, embodying invention.

A similar case is *In re Holmes*, 20 C. C. P. A. (Patents) 899, 63 F.(2d) 642, 431 O. G. 780. In this case the alleged invention consisted of a welded pipe. This court held that while the process by which the pipe was made was patentable, it did not necessarily follow that the product was, and affirmed the decision of the Board of Appeals in finding the claims not patentable.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE HEINTZ

No. 3,300. Decided June 12, 1934

[71 F.(2d) 172]

1. PATENTABILITY—METHOD OF RETREADING TIRES—DOUBLE PATENTING.

   Claims for a method of retreading tires *Held* improperly refused on the ground of double patenting based on a prior patent to applicant for an apparatus for carrying out the method.

2. SAME—SAME.

   Claims for a method of retreading tires *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Hull, Brock & West and *Mr. William E. Chilton* and *Mr. George E. Tew* for Heintz.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.:*

Appellant has appealed to this court from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner in refusing to allow all the claims in his application for a patent.

The claimed invention relates to a method of retreading tires. The tire covered with new rubber is placed on a rim and inflated by an inner tube or bag so that the tire comes in contact with the outside members of the frames which receive heat from an annular heating chamber. Holding rings on the outside of the machine support part but not all of the sides of the tire. These rings are held in place by a plurality of projections and are so arranged that no heat is conducted from the matrix sections to the rings. A space of a substantial portion of the side walls of the tire, between the beads and the side wall holding means, is left free to expand so as to accommodate the apparatus to different sized tires.

The Examiner rejected the claims upon two grounds, the first ground being that the claims were anticipated by the prior art patents: Harris, 1,353,042, September 14, 1920; Mundale, 1,379,203, May 24, 1921; and Smith et al., 1,710,804, April 30, 1929. As we understand it, the Examiner's reference to Heintz, 1,810,963, June 23, 1931, was for the purpose of showing what appellant had already received in the way of allowed apparatus claims, and not for the purpose of using the said Heintz patent as an anticipatory prior art.

The second ground of rejection by the Examiner was that the claims were unpatentable over applicant's above cited patent. The application in the instant case was based upon the same drawings, and purports to be a division of the above patent.

Appellant, after the Examiner's decision, submitted to the Board, upon appeal there, an affidavit by John G. Scales, a tire-design engineer, rubber compounder, and chemist, who, in said affidavit, discussed the references and also stated:

> It is also my opinion that the Heintz method of retreading tires can be practiced by equipment which is quite different from the specific construction disclosed in the Heintz drawings and an example of such a construction is illustrated in Patent No. 1,834,899.

The Board remanded the case to the Primary Examiner for consideration of the affidavit. The Examiner considered the affidavit and said Patent No. 1,834,899, which is a patent to L. O. Grange on a tire retread vulcanizer, and held that the applicant's claims did not read upon the patent disclosure therein and stated that in the Grange disclosure a large portion of the side walls of the tire was heated as well as the tread portion.

The Board of Appeals set out claim 9 of the instant application and apparatus claim 11 of the said patent to Heintz, the first as being illustrative of the claims under consideration and the second as being illustrative of the allowed apparatus claims in the patent to appellant. Said claims 9 and 11 follow:

> 9. In the art of retreading pneumatic tires, the steps of holding the beads of the tire and expanding the tire by the application of fluid pressure to the interior thereof, confining the tire about its entire outer periphery to the median portions thereof and applying sufficient heat to the outer tread area to effect vulcanization while holding the sides of the tire about annular bands adjacent the median line and maintaining the said bands at a sufficiently reduced temperature to prevent vulcanization, the side walls of the tire between the median portions and the beads being free.
>
> 11. A tire vulcanizing apparatus including a matrix to receive the tread portion of a tire, means for vulcanizing the tread, a vase having flanges to receive the beads of the tire, an expansible bag located within the tire, and non-vulcanizing members the operative faces of which are substantially normal to the axis of the tire and are adapted to engage the side walls of the tire in close proximity to the skirts of the mold, the lower side walls of the tire being free so that the fullness of the tire is concentrated immediately above said flanges.

The Board of Appeals did not expressly rely upon the references, but based its affirmation of the Examiner's decision upon the ground that there was only one invention disclosed, and claimed, in the two cases, and that there was "no proper line of division between them" and that the issuance of a patent containing the claims at bar would be double patenting.

The Board closed its decision with the following language:

> The decision of the Examiner is affirmed in rejecting the claims for the reason above stated.

In finding that there was but one invention and not two, the Board must have found that appellant's process was merely the function of his machine and that the process could not be carried out in any other way than by the use of the apparatus upon which he had been allowed a patent.

This court thoroughly discussed the question of when a method claim and an apparatus claim are for the same invention in the case of *In re Ernst and Nenninger* (patent appeal No. 3,314), 21 C. C. P. A. (Patents) ——, 71 F.(2d) 169, decided concurrently herewith. What we said there on this subject need not be repeated here.

[1] The method claims at bar, of course, are framed to read upon appellant's apparatus. We think they are broad enough also to read upon other apparatus which will perform the method. If this is made clear by the record before us, then unquestionably the Board was in error as to the single reason for affirming the Examiner which it discussed.

We think under the decision in *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 433 O. G. 223, we are privileged under the circumstances of this case, in reviewing the decision of the Board affirming the Examiner in rejecting claims, to consider the reasons assigned by the Examiner. In the instant case the Board did not expressly disapprove of or reverse the prior art ground of the Examiner and we will, therefore, consider the prior art.

It seems to us that the two reasons assigned by the Examiner are wholly inconsistent with each other. How can it be logically held that applicant's apparatus claims and method claims are for the same invention, and that the granting of the method claims would be double patenting if it were true that the

method claims read on the prior art or if the apparatus shown in the prior art would perform the method of the claims?

The Examiner and the Board have both held in effect that the method is nothing more than a recital of the function of the appellant's apparatus, which method can only be performed upon appellant's machine. If the Examiner was right that the method was anticipated by the prior art references, then the conclusion as to double patenting is erroneous. It was not a question of double patenting but a question of lack of novelty.

Appellant has not argued the question as to whether or not the method may be performed on the prior art reference apparatus, but urges that the method may be performed on other devices including those shown in the patent to Grange and two patents to one Hawkinson, none of which are in the record. If the Grange and the Hawkinson patents were in the record, and if they disclosed what appellant claims they disclose, we cannot understand how this lends force to appellant's contention that his method claims should be allowed.

[2] The true situation, as it appears to us from the whole record, is that whatever invention appellant is entitled to rests in claims to his apparatus and that his method claims are broad enough to read upon the cited prior art and were properly rejected upon that ground.

The references Harris, Mundale, and Smith et al., each discloses full-circle retreading molds involving the use of matrix sections, a rim and an inflatable inner tube. The gist of appellant's claimed invention rests in constructing his apparatus so that a bulge in the side walls of the tire adjacent the rim is permitted in such manner as to accommodate different sized tires to the same retreading apparatus. We quote from appellant's brief:

> • • • Applicant has invented a new method of retreading tires which involves a new principle. This method consists essentially in surrounding the tread portion of the tire with a mold and applying sufficient heat to the tread area to effect vulcanization while holding the sides of the tire adjacent the median line of the tire and expanding the tire against the mold by the application of fluid pressure to the interior of the tire and confining the beads of the tire and leaving a substantial portion of the tire side walls between the beads and the side wall holding means free to expand as a result of internal pressure. Such a method enables a single apparatus to be used for retreading many different sized tires and permits the excessive fullness of the oversize tire to be concentrated in this space, which materially decreases the amount as well as the cost of the equipment necessary. • • •

The Examiner found that the Harris, Mundale, and Smith et al. patents disclose apparatus permitting a bulge in the side walls of the tire adjacent the rim. The Examiner said:

> • • • Each of the patents disclose apparatus permitting a bulge in the side walls of the tire adjacent the rim. The only difference the applicant has disclosed is not a difference in the method, but a difference in the apparatus, namely, the use of the stationarily held holding rings *E* and *F*.

We have examined the references carefully and we agree with the Examiner that his conclusions in this respect are correct and that the method claims at bar are anticipated by the three references above referred to. That method claims may be anticipated by device patents is a well settled principle of patent law. *In re Ackenbach*, 18 C. C. P. A. (Patents) 769, 45 F.(2d) 437, 403 O. G. 789, and cases cited.

The decision of the Board of Appeals affirming the action of the Examiner in rejecting the claims is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

WARD BAKING COMPANY *v.* STANDARD BAKING COMPANY

No. 3,306. Decided June 12, 1934

[71 F.(2d) 186]

TRADE-MARKS—SIMILARITY—"MRS. STARD'S" AND "WARD". The words "Mrs. Stard's" used as a trade-mark for cake *Held* not confusingly similar to the name "Ward" or "Ward's" used upon a wide variety of bakery products.

APPEAL from the Patent Office. Affirmed.

Mr. Theodore K. Bryant, Messrs. Fish, Richardson & Neave, and *Mr. John Vaughan Groner* for Ward Baking Company.

Mr. Charles R. Allen and *Mr. Herman A. Wecht*, for Standard Baking Company.

BLAND, *J.*:

The New Standard Baking Company filed its application for registration of a trade-mark for use on cake, which trade-mark consists of the words "Mrs. Stard's", on an orange-colored basket-weave background, claiming continuous use of the mark since February 6, 1931. Thereafter the Ward Baking Company filed notice of opposition, grounding its opposition upon its adoption and use of the names "Ward" and "Ward's", claiming a use of said words as trade-marks in connection with its bakery business, which included the sale of cakes, "for upwards of eighty years." The opposer showed that said trade-marks, which were registered, had been used in various forms upon a wide variety of bakery products throughout practically the entire United States east of the Mississippi River, and that it was doing a business in connection therewith amounting to 36 million dollars a year for the five years immediately preceding its date of taking testimony.

It is shown in the record that Jacob Roseman, who at one time was with the Standard Baking Company, organized the applicant company, the New Standard Baking Company, and took into the firm a John F. Ward, who became sales manager and treasurer thereof. Mr. Ward, for the company, purchased a recipe for applesauce cake from a Mr. Ackerman. He also attempted to buy a recipe for such a cake from a Mr. Newcastle, which cake had been sold under the name "Mrs. Newcastle." The appellee began selling its cake under the name "Mrs. Ward's Original Applesauce Cake." Roseman and Ward had both been in the bakery business for about 12 years and were fully aware of the Ward Baking Company's products. Upon being notified to discontinue selling its said cake under the latter name, appellee desisted from such practice. Legal counsel advised Roseman "not to get into trouble", and the name "Mrs. Stard's" was adopted and used on "quite a number" of cakes, it being claimed that the "Mrs." was borrowed from the "Mrs. Newcastle" above referred to, and that the term "Stard's" was made up of letters from the word "Standard."

Appellee's petition for registration recites that its trade-mark consists of the words "Mrs. Stard's" displayed on an orange-colored basket-weave background. The words are printed in block letters. It is shown that the appellee has caused the words to be used upon the trucks of those who distribute its products in script upon backgrounds of different colors.

Appellant in its notice of opposition relied upon its use of the terms "Ward" and "Ward's" upon bakery products, and set out therein seven of its registered trade-marks. One of such marks was "Ward" for bread; two others consisted of the term "Ward's Fine Cakes" for use on cakes. The marks were printed in plain block type.

After testimony was taken by both parties the Examiner of Interferences of the United States Patent Office dismissed the opposition, held that there was no likelihood of confusion resulting from the registration and use of appellee's mark, and adjudged that the applicant was entitled to the registration of the mark. Appellant, Ward Baking Company, appealed to the Commissioner of Patents. The Commissioner affirmed the decision of the Examiner of Interferences, whereupon the appellant appealed here.

In this court appellant has urged with great earnestness that the history of the case shows that appellee seeks to profit and expects to profit from its use and registration of its said mark "Mrs. Stard's", by reason of its similarity of sound to appellant's mark, as well as by reason of the similarity of the latter part of the words "Stard's" and "Ward's", and that under our decision in *Lever Brothers Co. v. Riodela Chemical Co.*, 17 C. C. P. A. (Patents) 1272, 41 F.(2d) 408, 308 O. G. 356, the motive of the appellee in adopting the mark should be taken into consideration in determining the question of confusing similarity. Appellant has quoted the following from the above-cited *Lever Brothers Co.* case:

> Of course, if confusion or mistake is not likely to result from the use of the two marks, the motive of the later applicant in adopting its mark can not affect its right to registration; but if, in the adoption and use of the mark, there be a purpose of confusing the mind of the public as to the origin of the goods to which it is applied, we have a right, in determining the question of likelihood of confusion or mistake, to consider the motive in adopting the mark as indicating an opinion, upon the part of one vitally interested, that confusion or mistake would likely result from the use of the mark. After all, the determination of the question of likelihood of confusion or mistake in the use of trade-marks must, as a general rule, be a matter of opinion, and not the result of testimony produced as to the existence or absence of such confusion. Therefore, the tribunals of the Patent Office, and this court as a reviewing body, may, in cases where one adopts and uses a mark with the motive of confusing the mind of the public, consider that motive as one of the factors in determining the question of whether use of such mark is likely to cause confusion or mistake in the mind of the public.

It will be noted that the above-announced principle is predicated upon the proposition that the marks must have a confusing similarity. We are of the opinion that the tribunals below arrived at the correct conclusion that the marks of the opposer and of the applicant do not so nearly resemble each other in any of the respects contemplated by the statute that their use by the parties involved upon goods of the same descriptive properties would be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. In so holding we have in mind appellee's use of the mark as it is shown and described in its application for registration. As shown, it is a composite mark consisting of the printed terms "Mrs." and "Stard's" upon the background as described. The only common feature in the mark of the applicant and those of the opposer resides in the latter part of the words —"ard's". We see little in common as to the sound of the two marks.

It seems that the argument of the appellant leads to the conclusion that we should take into consideration the probable future conduct of appellee in the use of its mark, and that the record would indicate a tendency to so use its mark, when registered, as to bring about confusion. If appellee uses its mark in such a way as to bring about confusion or mistake, appellant has adequate remedy in the courts of equity. In reviewing the action of the Commissioner in granting registration, we are not concerned with this feature of the case.

While it may be urged that the terms "Ward's" and "Stard's" are the dominating features of the marks at bar, and that there is similarity between the dominant features, we do not think there is any confusing similarity when the marks as a whole are considered.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

MARTIN *v.* CHAPMAN AND LITTLEFORD

No. 3,478. Decided June 12, 1934

[71 F.(2d) 174]

1. INTERFERENCE—ISSUE—CONSTRUCTION. "It is well understood in patent law that applicants for patents may not have read into their claims limitations not expressed although emphasized in their application."

2. SAME—PRIORITY—RIGHT TO MAKE THE CLAIMS. Record reviewed and *Held* that C. & L. can make the claims in issue and that priority was properly awarded to them.

APPEAL from the Patent Office. Affirmed.

Messrs. Hoguet & Neary, Mr. Charles Neave, Mr. John F. Neary, and *Mr. George H. Corey* for Martin.

Mr. Henry D. Williams, Mr. Howard M. Morse, and *Mr. Giles S. Rich* for Chapman and Littleford.

BLAND, *J.*:

The invention in this interference proceeding relates to a process of concentrating phosphate ore which separates the mineral particles from the gangue (sand) with which it is found associated.

The interference involves three counts from the Martin application which were copied into the application of Chapman and Littleford. Count 1 has been regarded by the tribunals below as illustrative and follows:

> 1. The process of concentrating phosphate ore which comprises adjusting the water content of the finely-divided ore to insure having all the particles thoroughly wetted and adding a selective flocculating agent to the ore, mixing said agent with the ore until loosely bonded agglomerates of phosphate mineral particles are formed which are adapted, when a mixture of said agglomerates and the

gangue particles contained in the ore is agitated under wet stratifying conditions, to settle at a less rate than the gangue, then subjecting the mixture to agitative wet stratifying classification according to the relative settling values of said agglomerates and the gangue and gathering the phosphate mineral in an overlying stratum.

The sole question in this case is the right of the appellees to make the counts.

It is pointed out by the appellees that this question has been ruled on four times in the United States Patent Office, and that each ruling was to the effect that the appellees could make the counts. The first ruling referred to was by the Primary Examiner who suggested and started the interference; the second was the denial by the Examiner of Interferences of Martin's motion to dissolve; the third was the holding of the Examiner of Interferences in his decision on priority after considering the testimony of both parties; and the fourth was by the Board of Appeals in its decision affirming the action of the Examiner of Interferences. It is from the decision of the Board of Appeals, holding that appellees could make the counts, and affirming the action of the Examiner of Interferences in awarding priority of invention of the counts to appellees, that appeal has been taken to this court.

It is urged here, in substance, by appellant, that his invention relates to the process of concentrating phosphate ore according to the principle of operation known as wet stratifying classification or wet stratification. He bases his argument here almost exclusively upon the proposition that his invention related to concentration by wet stratification methods on the one hand, while the appellees' invention relates to ore concentration by the flotation method; that the flotation method follows the idea of imparting buoyance to the mineral particles, or flocks made up of a plurality of mineral particles, so that they are caused either to rise up to or through the surface of the water or to ride upon the surface of the water or to remain suspended in the water while permitting heavier gangue particles to sink. It is contended that it should be held that the appellees in their application did not disclose the invention of the counts of the interference—

in such full, clear, concise and exact terms as to enable any person skilled in the art to practice the invention

as required by statute and that, therefore, the counts do not read on their disclosure. Appellant points out that the appellees, in their original specification and claims, describe the invention claimed as a process of skin or film flotation which involves a floating of the mineral particles. Appellant contends that the Board has erred in holding that the appellees, in addition to the flotation process, have also disclosed the process of the invention called for in the counts.

We have carefully considered the entire record and the arguments of the parties. It seems to us that the Patent Office tribunals reached the right conclusion.

Appellant has emphasized here and in the Patent Office that his application is not concerned with the flotation of particles, and that his teaching involves the using of less water than that disclosed in appellees' application.

It is true that appellees' application states:

According to the present invention the concentration is effected by the procedures of skin or film flotation in which phosphate particles ride upon the surface of water while silica and other impurities are wetted by the water and tend to sink.

However, in addition to the above, and in the same paragraph where the above is found, is also found the following statement:

• • • The process may be carried on or aided by table concentration wherein the silica, which tends to sink in the water flowing over the table, is carried off in the general direction of the riffles, while the phosphate particles, carried in or on the water flowing across the riffles on the table, are delivered to a concentrate launder, and are thereafter dewatered.

Also, as the Board pointed out, Chapman and Littleford state:

Many phosphate particles float on the water surface as a skin or film float and are carried off into the concentrates launder 11 by the transversely flowing stream of water. Other phosphate particles, many of them in flocks associated with air bubbles, forming aggregates relatively lighter than the silica and other impurities but usually heavier than the water, remain in suspension in the water or rest lightly on the table and are carried transversely, separating themselves from the endwise movement of the other particles by the usual action of a table on particles of differing gravities.

The Board of Appeals, substantially expressing the same views as those expressed by the Examiner of Interferences, stated:

Martin urges that even if it be admitted that Chapman and Littleford refer in their application to a process of separation other than skin flotation, yet they at no time presented claims to the process represented in the counts before the counts of interference were suggested from the Martin application. We think this statement is fallacious in view of what we have already said as to claim 2 in the Chapman and Littleford application and for the further reason that the counts are broad enough in terms to cover a process wherein part of the process only includes the suspension method of separation. Martin also urges that Chapman and Littleford do not teach the procedure whereby a concentration which is not film flotation may be accomplished or in other words, wherein the mineral particles are carried off the table in suspension in water or while resting lightly on the table. Practically all that Martin teaches, at least in the portion of the specification which was submitted in connection with this interference, is that the water content be sufficient to thoroughly wet the surfaces of all the ore particles. Chapman and Littleford teach the formation of a thick pulp which would indicate a wetting substantially to the degree taught by Martin who also refers to the formation of a pulp in the water. If any other specific details of the process are necessary to carry out this suspension method, Martin in his abbreviated specification does not teach essentially more than Chapman and Littleford. We think, therefore, that Martin's argument in this connection is not well founded.

The Board quoted most of what we have above quoted from the Chapman and Littleford application. It held in substance that irrespective of their mention of the skin or film flotation method, they pointed out in the method which they employed that a portion at least of the minerals tend to sink in the water and are carried off in the general direction of the riffles and that these phosphate particles are—

carried in or on the water flowing across the riffles on the table.

We think the Chapman and Littleford application discloses the broad subject matter of the counts involved. It will be noticed that the count may be divided into a preamble and five steps as follows:

(Preamble) The process of concentrating phosphate ore which comprises

(Clause 1) adjusting the water content of the finely-divided ore to insure having all the particles thoroughly wetted and

(Clause 2) adding a selective flocculating agent to the ore,

(Clause 3) mixing said agent with the ore until loosely bonded agglomerates of phosphate mineral particles are formed which are adapted, when a mixture of said agglomerates and the gangue particles contained in the ore is agitated under wet stratifying conditions, to settle at a less rate than the gangue,

(Clause 4) then subjecting the mixture to agitative wet stratifying classification according to the relative settling values of said agglomerates and the gangue and

(Clause 5) gathering the phosphate mineral in an overlying stratum.

The appellant calls the bonded particles of the minerals "agglomerates" while the appellees speak of them as "aggregates." There seems to be no controversy but that clause 1 of the count is shown in both applications, since both parties mix water with the finely divided ore in such a way as to thoroughly wet the particles. Both parties add substantially the same flocculating agent to the ore. No particular flocculating agent is provided for in the count, but Martin's specification mentions soap, sodium silicate, or crude petroleum. Chapman and Littleford make a thick pulp which is treated with caustic soda in solution and oleic acid and fuel oil, forming soap. The amounts of the components of the flocculating agents are substantially the same in each application.

Most of appellant's contentions are concerned with clause 3:

• • • mixing said agent with the ore until loosely bonded agglomerates of phosphate mineral particles are formed which are adapted, when a mixture of said agglomerates and the gangue particles contained in the ore is agitated under wet stratifying conditions, *to settle at a less rate than the gangue,* • • • [Italics ours].

As is pointed out above both parties teach this step of the count. Both use the same Wilfley concentrating table, the operation of which performs the steps in clauses 4 and 5. This is described in both applications, and appellees' witness Drumgold, who testified regarding Chapman's and Littleford's actual reduction to practice, said:

• • • as the pulp flowed over the table, the agglomerates or globules of phosphate showed rolling along under the surface and over the side. Also a few agglomerates were floating on the surface, and the agglomerates which were under the surface, a portion of them came to the top as they rolled off into the concentrate launder, and the sands or tailings followed along between the riffles and fell off at the tailings end of the table into the tailings launder. My observation was that the quantity of agglomerates under the surface and on the sand was greater than the quantity on the surface.

[1] As we understand the argument of appellant, he seeks to have read into his claims limitations not found therein but which he contends he has emphasized in his specification. It is well understood in patent law that applicants for patents may not have read into their claims limitations not expressed although emphasized in their application. *Sweetland* v. *Cole*, 19 C. C. P. A. (Patents) 751, 53 F.(2d) 709, 415 O. G. 4; *Woelm* v. *Hasselquist*, 20 C. C. P. A. (Patents) 806, 62 F.(2d) 367, 429 O. G. 501.

Appellant in this court stresses the proposition that the two inventions are not the same and argues in effect that since his invention involved the stratifying classification method, this was not the method taught by appellees, and argues that the claims contain limitations which when construed in accordance with the teachings of appellant renders appellees' disclosure insufficient to make the counts, and relies as authority in part on this court's decisions in *Minton* v. *Thomas*, 18 C. C. P. A. (Patents) 1153, 48 F.(2d) 425, 410 O. G. 275; *Doherty* v. *Dubbs*, 20 C. C. P. A. (Patents) 1103, 65 F.(2d) 151, 437 O. G. 295; and *Arnold* v. *Greene*, 19 C. C. P. A. (Patents) 886, 54 F.(2d) 948, 418 O. G. 272. In these cases it was held that one of the parties in each interference could not make the counts for the reason that the inventions were different. The principle announced in these decisions is expressed in *Minton* v. *Thomas*, supra, by the following expression used by this court in that opinion:

We agree with the Board of Appeals that, if there is any such band of intermediate frequencies which will pass through the filters of both circuits in the applicants' device, it will be an effect not contemplated by them when they filed their original application herein. No one can read their specification as first filed and consider their original claims, without being led to the conclusion that such an overlapping and intermediate band of frequencies was the one thing which they were trying to prevent by their apparatus. • • •,

and with the following expression in *Arnold* v. *Greene*, supra:

Admittedly, Greene teaches a method of starting the melt with a high voltage, and, if it could be said that he also taught a method of starting with a low voltage, then, in the same application, he would be teaching the doing of the opposite thing. If Arnold disclosed a patentable discovery, it must necessarily rest in the particular order of applying the voltages. Another disclosure by another inventor which teaches that one may select any voltage for any step in the melt, or which teaches the opposite order of applying voltage, can hardly be said to disclose the same invention.

In those cases the decisions rested upon the proposition that one of the parties could not make the count for the reason that he taught the opposite of what the other taught or taught the undesirability of obtaining the result obtained by the other. This is not the situation in the case at bar. It has been hereinbefore pointed out that in the particulars outlined in the counts at bar they both teach the same invention.

[2] We do not find it necessary to discuss any of the other arguments presented in appellant's brief. We find no error in the decision of the Board of Appeals and the same is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE RUNDELL

No. 3,208. Decided June 12, 1934

[71 F.(2d) 160]

PATENTABILITY—CIGARETTE COLLECTOR FOR HIGH-SPEED CIGARETTE MACHINES.

Claims for a cigarette collector for high-speed cigarette machines *Held* unpatentable over the prior art since they are distinguishable therefrom only by certain statements of a desired mode of operation of a horizontal rotary disk.

APPEAL from the Patent Office. Affirmed.

Mr. Sydney I. Prescott and *Mr. George S. Hastings* for Rundell.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 13, 17, and 18 in appellant's application for a patent relating to a cigarette collector for high-speed cigarette machines of the continuous rod type.

Claims 13 and 18 are illustrative. They read:

13. The combination with a device for guiding cigarettes delivered by a continuous rod cigarette machine into a pathway, of a cigarette forwarding surface moving at constant speed regardless of the speed of the cigarette machine and forming the bottom of said pathway, and mechanism for receiving and collecting cigarettes from said forwarding surface.

18. A cigarette forwarding surface arranged to receive cigarettes from a continuous rod cigarette machine and moving at constant speed regardless of the speed of the cigarette machine, comprising a horizontal rotary disk.

The reference is: Wahlstrom (German), 256,436, February 12, 1913.

Appellant's mechanism includes, in combination with other elements, a rotary horizontal disk, which, as stated in the specification, is caused to run—

• • • below two semi-circular walls or partitions which guide the cigarettes delivered to the disk in two paths onto two offset deflector plates from which the cigarettes fall side by side in two parallel rows on to a conveyor or collector belt, each row corresponding to one of the said paths. The cigarettes, which leave the cutoff device of the cigarette machine in a continuous single line or row, are led into an oscillating tubular guide swinging in synchronism with the cutoff knife, so that alternate cigarettes are assorted in two lines or rows, each line of cigarettes feeding one of the aforesaid paths.

• • • • • • •

The cigarettes are carried tangentially by the continuously running rotary disk around a semicircle and are thrown out of tangential alignment onto a belt traveling at constant speed obliquely across the path of the cigarettes, thereby guiding the same towards and onto the sides of the above mentioned deflector plates, which are provided with means for depositing the cigarettes in the desired position on the collector or delivery belt which is transversely disposed with respect to the deflector plates.

Appellant was allowed 15 claims, which cover the specific mechanism disclosed in his application.

We quote claim 3 of the allowed claims:

3. The combination with a device for guiding cigarettes delivered by a continuous rod cigarette machine into a pathway, of a cigarette forwarding surface moving at constant speed regardless of the speed of the cigarette machine and forming the bottom of said pathway, *means for retarding cigarettes forwarded thereby*, and mechanism for receiving and collecting cigarettes from said forwarding surface, *said surface being frictionally driven by an adjustable friction wheel.* [Italics ours.]

The patent to Wahlstrom relates to a mechanism for sorting tipped cigarettes issuing from a guide channel of a cigarette machine. From the official translation of that patent it appears that—

• • • every second cigarette is turned over by a rotating disk and in particular the same is characterized by the fact that the rotating disk is fitted with tangential troughs, 2, 3 which in a radial direction are positioned at various distances from the axis of rotation in which case each cigarette will fall into one particular trough and after a certain amount of rotation of the disk will be pushed out of the trough by the strippers 4, 6 so that the two cigarettes will come to lie on a conveyor belt with their tips pointed in the same direction or else, in a simplified manner, one of the series of troughs might be omitted so that then every time one cigarette will fall directly on to the belt conveyor while the other falls into a trough in the rotating disk by which the second cigarette is so turned over that its tip will be pointed in the same direction as the tip of the first cigarette whereupon the cigarette is pushed by a stripper out of the trough whereby it falls with tip pointed in the same direction upon the belt conveyor.

It appears from the supplemental brief filed by counsel for appellant that he and the Solicitor for the Patent Office agree that the term "turn-table", rather than the term "rotating disk" which appears in the official translation of the German patent, more accurately describes the particular forwarding means employed by the patentee Wahlstrom.

The appealed claims were rejected by the tribunals of the Patent Office on two grounds: First, that they differed from the prior art only in that they included a statement "of a desired mode of operation"; second, that it would not involve invention broadly to rotate the horizontal rotary element, disclosed in the patent to Wahlstrom, at a constant rate of speed regardless of the speed of the cigarette machine.

Counsel for appellant has pointed out that there is nothing in the patent to Wahlstrom to suggest that his "turn-table" could be driven at a constant speed regardless of the speed of the cigarette machine, and that, in fact, if it were so driven, the device disclosed in the reference would be inoperative.

In reply to that argument the Board of Appeals, in its decision, said:

While it may be true that there is no suggestion in Wahlstrom of driving the delivery mechanism at a constant speed we do not believe that appellant's contribution is of such a nature that he should be allowed claims that would prevent anyone from driving the delivery mechanism of that patent at a constant speed, if desired, and if necessary providing some means so that the cigarettes could be properly fed to the delivery mechanism even if the cigarette making mechanism did not also function at the same speed. In this patent centrifugal force is not being utilized and it is immaterial as far as the action of the delivery mechanism is concerned whether it is driven at a constant speed or not.

It will be observed that claim 13 calls for a—

cigarette forwarding surface moving at constant speed regardless of the speed of the cigarette machine.

That claim does not state that the forwarding surface is either a horizontal "rotary disk" or a "turn-table", nor does it specify any means by which the forwarding surface may be caused to move at such constant speed.

Claims 17 and 18, respectively, refer to the forwarding surface as "including", and as "comprising", a horizontal rotary disk, but those claims do not specify any means by which such disk may be caused to move at a constant speed "regardless of the speed of the cigarette machine."

It is obvious from what has been said that the rejected claims are distinguishable from the reference only in that they contain statements of a desired mode of operation of a horizontal rotary disk. Those claims, therefore, are not patentable over the reference of record. *Burr* v. *Duryee*, 68 U. S. 53; *Ex parte Landry*, 1929 C. D. 8, 378 O. G. 505; *In re John Hays Hammond, jr.*, 17 C. C. P. A. (Patents) 803, 37 F.(2d) 760, 394 O. G. 275, and cases cited; *In re John A. Spencer*, 18 C. C. P. A. (Patents) 1041, 47 F.(2d) 806, 407 O. G. 861. See also *In re Ora Krichbaum*, 17 C. C. P. A. (Patents) 979, 39 F.(2d) 280, 396 O. G. 705; *In re Irving L. Stern*, 17 C. C. P. A. (Patents) 1234, 40 F.(2d) 1000, 401 O. G. 235.

For the reasons stated the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,018,502. (See 1,180,159.)

1,177,697, L. Gaumont, Developing, fixing, toning and otherwise treating photographic films and prints; 1,209,696, same, Apparatus for drying photographic films; 1,260,595, F. B. Thompson, Film treating apparatus; 1,299,266, same, Film wiping apparatus; 1,569,156, same, Photographic film drier, D. C., C. D. Calif. (Los Angeles), Doc. S–121–C, *Cinema Patents Co., Inc.*, v. *Columbia Pictures Corp. et al.* Dismissed July 10, 1934.

1,180,159, I. Langmuir, Incandescent electric lamp; 1,018,502, Just & Hanaman, Incandescent body for electric lamps, D. C. N. J., Doc. E 8807, *General Electric Co.* v. *Sante Fe Electric Co., Inc., et al.* Dismissed July 6, 1934.

1,194,752, T. H. Krueger, Moistening device for gummed stickers or labels; Re. 18,822, same, Tape serving device, 1,782,123, same, Package sealer, appeal filed Sept. 28, 1934, C. C. A., 2d Cir., Doc. ——, *Better Packages, Inc.*, v. *L. Link & Co., Inc., et al.*

1,209,696. (See 1,177,697.)

1,219,881, 1,243,458, G. Sundback, Separable fastener; 1,566,996, same, Separable fastener slider; 1,734,405, G. H. Shipman, Separable fastener, C. C. A., 3d Cir., Doc. 5304, *Hookless Fastener Co.* v. *Lion Fastener, Inc.* Decree affirmed in part and reversed in part Sept. 20, 1934.

1,231,764 (*a*), F. Lowenstein, Telephone relay; 1,618,017, same, Wireless telegraph apparatus; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,403,932, R. H. Wilson, Electron discharge device; 1,573,374, P. A. Chamberlain, Radio condenser; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 13695, *Radio Corp. of America et al.* v. *A. I. Blano et al.* Consent decree holding patents valid and infringed and granting injunction Sept. 7, 1934.

1,231,764 (*b*), F. Lowenstein, Telephone relay; 1,618,017, same, Wireless telegraph apparatus; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,403,932, R. H. Wilson, Electron discharge device; 1,702,833, W. S. Lemmon, Electrical condenser, 1,811,095; H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 13846, *Radio Corp. of America et al.* v. *M. H. Hoffman et al.* (*Hoffman Electric Mfg. Co.*). Consent decree holding patents valid and infringed July 31, 1934.

1,243,458. (See 1,219,881.)

1,251,377 (*a*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents, D. C., N. D. Ill., E. Div., Doc. 13694, *General Electric Co.* v. *A. I. Blano et al.* Consent decree holding patents valid and infringed, and granting injunction Sept. 7, 1934.

1,251,377 (*b*), A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,728,879, Rice & Kellogg, Amplifying system, D. C., N. D. Ill., E. Div., Doc. 13847, *Radio Corp. of America et al.* v. *M. H. Hoffman et al* (*Hoffman Electric Mfg. Co.*). Consent decree holding patents valid and infringed July 31, 1934.

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1,275,696, K. Jagschitz, Gas reservoir; 1,481,099, same, Sealing means for gas holders; 1,711,392, P. M. Kuehn, Gas holder, filed Sept. 28, 1934, D. C., S. D. Ohio, W. Div., Doc. E 902, *The Bartlett Hayward Co. et al.* v. *Stacey Bros. Gas Construction Co.*

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1,297,188. (See 1,251,377 (*a*) and (*b*).)

1,299,266. (See 1,177,697.) 1,338,829. (See 1,547,117.)

1,339,395, 1,375,293, 1,383,633, 1,547,155, H. L. Ingersoll, Booster motor for locomotives; 1,580,734, same, Controlling apparatus for booster motors; 1,380,348, R. M. Brown, same; 1,437,129, same, Safety clutch for booster motors, C. C. A., 3d Cir., Doc. 5137, *H. L. Ingersoll et al.* v. *Bethlehem Steel Co.* Doc. 5138, *Franklin Rwy. Supply Co.* v. *Bethlehem Steel Co.* Decree affirmed Sept. 26, 1934, in both suits.

1,375,293. (See 1,339,395.) 1,380,348. (See 1,339,395.)

1,383,633. (See 1,339,395.)

1,403,475. (See 1,231,764 (*a*) and (*b*).)

1,403,932. (See 1,231,764 (*a*) and (*b*).)

1,405,173, 1,480,482, H. J. Wheeler, Pumping apparatus; 1,712,695, G. C. Engstrand, same; 1,743,762, same, Oil pumping apparatus, D. C. N. J., Doc. E 4596, *Salvage Process Corp. et al.* v. *Union Engineering Corp.* Discontinued Sept. 14, 1934.

1,422,759. (See 1,547,117.)

1,432,166, P. During, Fruit juice extractor; 1,649,755, A. W. Thompson, same; 1,747,957, C. F. Silvens, same, D. C., N. D. Ill., E. Div., Doc. 13747, *The Juice Extractor Co., Inc., et al.* v. *Nu-Dell Mfg. Co., Inc., et al.* Patents 1,432,166 and 1,649,755 held invalid, patent 1,747,957 held not infringed, no finding as to its validity; bill dismissed April 14, 1934.

1,433,901, S. Marcus, Artificial eyes for dolls, display figures, etc.; 1,947,283, J. H. Wilhelm, Eye set for dolls, filed Sept. 28, 1934, D. C., S. D. N. Y., Doc. E 79/32, *Margon Corp.* v. *Well Made Doll Co., Inc.*

1,437,129. (See 1,339,395.) 1,437,938. (See 1,547,117.)

1,437,939. (See 1,547,117.) 1,442,978. (See 1,551,334.)

1,465,332. (See 1,231,764 (*a*) and (*b*).)

1,470,696, A. M. Nicolson, Television. The notice published in the Gazette of Sept. 4, 1934, under this patent number with reference to suit, *Communication Patents, Inc.*, v. *Bell Telephone Laboratories, Inc.*, Doc. E 78–269, S. D. N. Y., was in error since that suit was not based on that patent but was a suit under section 4915 Revised Statutes based on a Nicolson application.

1,480,482. (See 1,405,173.) 1,481,099. (See 1,275,696.)

1,539,270, F. R. Peters, Locomotive booster-motor construction; Re. 16,483, same, Locomotive booster-motor controlling mechanism; 1,600,427, M. H. Roberts, Locomotive booster lubrication; 1,647,146, same, Locomotive booster apparatus; 1,602,124, Roberts & Peters, Locomotive booster, C. C. A., 3d Cir., Doc. 5138, *Franklin Rwy. Supply Co.* v. *Bethlehem Steel Co.* Decree affirmed Sept. 26, 1934.

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1,556,883, A. L. Wertz, Tank vehicle construction; 1,719,153, same, Metallic container and method of manufacturing it, D. C., E. D. Pa., Doc. 5547, *A. L. Wertz* v. *Quaker City Iron Works.* Dismissed Sept. 29, 1934.

1,561,925, A. T. Hespe, Thermometer; 1,561,926, same, Thermometer tube, filed Sept. 25, 1934, D. C., W. D. N. Y., Doc. 1893, *F. A. Hespe et al.* v. *Corning Glass Works, Inc.*

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1,566,996. (See 1,219,881.) 1,569,156. (See 1,177,697.)

1,573,374. (See 1,251,377 (*b*) and 1,231,764 (*a*).)

1,580,734. (See 1,339,395.) 1,600,427. (See 1,539,270.)

1,602,124. (See 1,539,270.)

1,618,017. (See 1,231,764 (*a*) and (*b*).)

1,635,268. (See 1,564,170.)

1,642,122, W. F. McMahon, Division head propelling screen; 1,675,417, same, Grinding mill screen, D. C., C. D. Calif. (Los Angeles), Doc. E W–15–C, *W. F. McMahon* v. *Riverside Cement Co.* Patent 1,642,122 and claim 5 of 1,675,417 held valid but not infringed July 6, 1934.

1,647,146. (See 1,539,270.) 1,649,755. (See 1,432,166.)

1,665,540. (See 1,547,117.) 1,675,417. (See 1,642,122.)

1,702,833. (See 1,231,764 (*a*) and (*b*).)

1,711,392. (See 1,275,696.) 1,712,695. (See 1,405,173.)

1,719,153. (See 1,556,883.)

1,728,879. (See 1,251,377 (*b*).)

1,734,405. (See 1,219,881.)

1,742,830. Seaman & Braf, Piping and method of forming the same; 1,756,036, same, Sewing machine, D. C., S. D. N. Y., Doc. E 59/392, *C. Seaman* v. *Mohawk Sales Corp.* Consent decree for plaintiff (notice Oct. 2, 1934).

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1,756,036. (See 1,742,830.)

1,757,357. Cramer & Cramer, Electrical condenser; 1,780,172, 1,800,719, S. S. Cramer, same, D. C., S. D. N. Y., Doc. E 62/251, *Radio Condenser Co.* v. *General Instrument Corp.* Consent decree holding patents valid and infringed (notice Sept. 27, 1934).

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1,787,214. (See 1,551,384.)

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1,800,719. (See 1,757,357.) 1,806,673. (See 1,772,340.)

1,811,095. (See 1,231,764 (*a*) and (*b*).)

1,836,100, H. McWilliams, Severable egg carton; 1,906,337, R. E. Rutledge, Cellular carton, filed Sept. 24, 1934, D. C., N. D. Ill., E. Div., Doc. 14083, *Sutherland Paper Co.* v. *Spring Cushion Egg Carton Corp.*

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1,947,283. (See 1,433,901.) 1,963,433. (See 1,927,008.)

Re. 16,483. (See 1,539,270.)

Re. 18,322. (See 1,194,752.)

Re. 18,570. (See 1,231,764 (*a*) and (*b*).)

Re. 19,083. (See 1,795,937.)

Des. 82,079. (See 1,772,340.)

T. M. 18,734, G. F. Gilman, Coffee; T. M. 228,894, T. M. 259,085, T. M. 302,671, T. M. 309,447, The Great Atlantic & Pacific Tea Co., same, D. C., N. D. Ill., E. Div., Doc. 13748, *The Great Atlantic & Pacific Tea Co.* v. *Yellow Front Stores, Inc., et al.* Defendants enjoined Apr. 9, 1934.

T. M. 34,806, T. A. Edison, Phonographs, phonographic supplies; T. M., 60,343, Edison Mfg. Co., Primary batteries, parts thereof and fan motors; T. M. 82,971, Edison Storage Battery Co., Storage batteries, parts thereof and sets of such batteries; T. M. 259,035, T. A. Edison, Inc., Primary batteries; T. M. 260,242, same, Electric toasters; T. M. 260,248, same, Electric coffee making appliances; T. M. 260,246, same, Electric toasters, electric coffee making appliances; T. M. 301,881, T. M. 237,380, same, Storage batteries; T. M. 305,381, same, Electric motors, filed Aug. 28, 1934, D. C., N. D. Ill., E. Div., Doc. 14052, *T. A. Edison, Inc.*, v. *Edison Laboratories, Inc.*

T. M. 60,343. (See T. M. 34,806.)

T. M. 82,971. (See T. M. 34,806.)

T. M. 105,919, S. Nagano, Condiments; T. M. 134,038, same, Sauces for seasoning foods; T. M. 152,075, same, Molasses; T. M. 201,423, The Fuji Trading Co., Chow mein noodles, bean sprouts, D. C., N. D. Ill., E. Div., Doc. 12880, *S. Nagano et al.* v. *T. Y. Chan et al.* (*Minsen Trading Co.*). Dismissed for want of equity Jan. 15, 1934.

T. M. 134,038. (See T. M. 105,919.)

T. M. 140,974. (See T. M. 147,206.)

T. M. 147,206, T. M. 140,974, F. J. Coty, Certain named toilet preparations; T. M. 189,494, T. M. 242,663, T. M. 199,776, Coty, Inc., same, D. C., N. D. Ill., E. Div., Doc. 13553, *Coty, Inc.*, v. *S. Diamond et al.* (*Perfumes of Paris*). Consent decree enjoining defendants from using certain named trade-marks May 14, 1934.

T. M. 152,075. (See T. M. 105,919.)

T. M. 189,494. (See T. M. 147,206.)

T. M. 199,776. (See T. M. 147,206.)

T. M. 201,423. (See T. M. 105,919.)

T. M. 228,894. (See T. M. 18,734.)

T. M. 237,380. (See T. M. 34,806.)

T. M. 242,663. (See T. M. 147,206.)

T. M. 247,156, T. M. 273,817, T. M. 273,816, W. E. Disney, Motion pictures preproduced in copies for sale; T. M. 313,765, Walt Disney Productions, Ltd., Books and newspaper cartoon strips, filed July 31, 1934, D. C., N. D. Ill., E. Div., Doc. 14015, *W. E. Disney et al.* v. *United Biscuit Co. of America et al.*

T. M. 247,898, Amplex Mfg. Co., Motor vehicles and their structural parts; T. M. 283,086, Plymouth Motor Corp., same, D. C., N. D. Ill., E. Div., Doc. 13753, *Chrysler Corp.* v. *G. McGinty.* Decree by default finding plaintiff owner of these trade-marks, and enjoining defendant May 15, 1934.

T. M. 259,035. (See T. M. 34,806.)

T. M. 259,085. (See T. M. 18,734.)

T. M. 260,242. (See T. M. 34,806.)

T. M. 260,243. (See T. M. 34,806.)

T. M. 260,246. (See T. M. 34,806.)

T. M. 273,816. (See T. M. 247,156.)

T. M. 273,817. (See T. M. 247,156.)

T. M. 283,696. (See T. M. 247,898.)

T. M. 301,881. (See T. M. 34,806.)

T. M. 302,671. (See T. M. 18,734.)

T. M. 305,381. (See T. M. 34,806.)

T. M. 309,447. (See T. M. 18,734.)

T. M. 313,765. (See T. M. 247,156.)

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 27, 1934

[VOL. 448. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

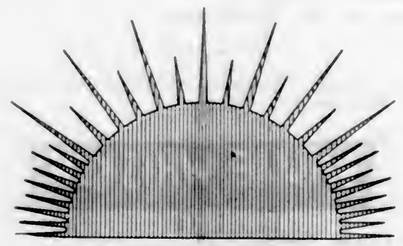
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

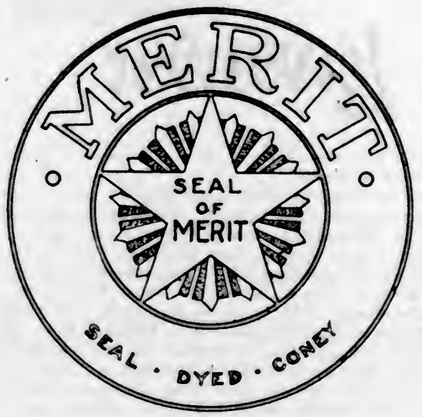
Ser. No. 351,166. ILLINOIS ONION SET GROWERS EXCHANGE, South Holland, Ill. Filed May 10, 1934.



SUNRISE

The drawing is lined for red.
For Onion Sets.
Claims use since Feb. 1, 1930.

Ser. No. 354,564. FESHBACH & ACKERMAN, INC., New York, N. Y. Filed Aug. 2, 1934.



No rights are claimed to the words "Seal", "Dyed", "Coney", and "Merit" apart from the mark.
For Fur Skins, Particularly Rabbit Skins Dyed in Imitation of Seal.
Claims use since Feb. 15, 1933.

Ser. No. 357,148. MAKALOT CORPORATION, Boston, Mass. Filed Oct. 15, 1934.

RICHWARE.

For Molding Compound in Powdered Form in Various Colors.
Claims use since June 2, 1934.

CLASS 2

Receptacles

Ser. No. 350,815. STRONG BAG COMPANY, INC., Richmond, Va. Filed May 2, 1934.

MILL-STRONG

No claim is made to the word "Strong" apart from the mark.
For Paper Bags.
Claims use since Apr. 16, 1934.

Ser. No. 354,395. F. J. STOKES MACHINE COMPANY, Philadelphia, Pa. Filed July 27, 1934.

WESTITE

For Tubes of Metal for Tooth Paste and Like Substances.
Claims use since Apr. 30, 1934.

Ser. No. 357,443. THE PA PRO COMPANY, Utica, N. Y. Filed Oct. 23, 1934.

RAWIDE

For Fibre Shipping Containers.
Claims use since May 19, 1926.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 356,588. HARLIC BAG COMPANY, South Norwalk, Conn. Filed Sept. 29, 1934.

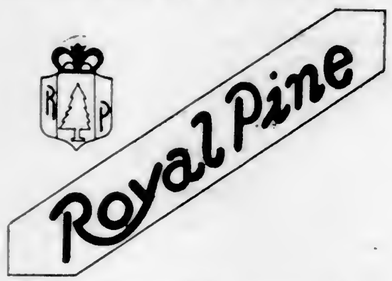
"Glide-Zip"

For Ladies' Handbags and Pocketbooks.
Claims use since Sept. 5, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 349,138. IOWA SOAP COMPANY, Burlington, Iowa. Filed Mar. 26, 1934.



No claim is made to the word "Pine" apart from the mark as shown.
For Soap.
Claims use since Feb. 26, 1934.

Ser. No. 356,152. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Sept. 18, 1934.



No claim is made to the words "Superior" and "Chemicals" apart from the mark as shown.
For Soap Powder, Vegetable Oil Soap, a Bottle Cleanser, and a General Cleanser.
Claims use since 1921 on soap powder; since 1931 on remaining goods.

Ser. No. 356,833. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Oct. 6, 1934.

TRI-CLENE

No claim is made to the word "Clene" apart from the mark.
For Dry Cleaning Fluid.
Claims use since Sept. 29, 1931.

Ser. No. 357,083. GULF & VALLEY COTTON OIL CO., INC., New Orleans, La. Filed Oct. 12, 1934.

TUBBY

For Laundry Soap.
Claims use since June 21, 1934.

Ser. No. 357,213. ACE MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 18, 1934.

"WILLIE WHISKER"

For Shaving Creams.
Claims use since Aug. 27, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 331,170. YARDLEY OF LONDON, INC., Union City, N. J. Filed Oct. 11, 1932. Under 10-year proviso.

Old English Lavender

Applicant disclaims the word "Lavender" apart from the mark as shown.
For Astringents, Astringent Cerates, Bleach Creams, Beauty Cream, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener, in Liquid and Solid and Cream Form, Eyebrow and Eyelash Grower, Eye Drops, Hand Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since February, 1894.

CARNEGIE LIBRARY OF ATLANTA

Ser. No. 341,328. GILMORE & BURKE, INC., Seattle, Wash. Filed Sept. 5, 1933.



For Shampoo, Hair Tonic, Tablets for Internal Disorders Indicated in the Treatment of Hyperacidity, Sour Stomach, Gas Disturbances, Indigestion Due to Excess Acid, Depilatories.
Claims use since Jan. 14, 1933.

Ser. No. 341,825. MARK W. ALLEN & Co., Detroit, Mich. Filed Sept. 23, 1933.



Applicant disclaims sole right to the term "2 Drop" apart from the mark as shown.
For Hand Lotions.
Claims use since Aug. 24, 1933.

Ser. No. 347,969. ALICE DUNHAM, Los Angeles, Calif. Filed Feb. 28, 1934.



The terms "Candy", "U. S. A." and "Chocolates" are disclaimed apart from the mark as shown.
For Chocolates Having Obesity Reducing, Laxative, and Tonic Properties.
Claims use since Dec. 7, 1933.

Ser. No. 348,747. CAMPANA CORPORATION, Batavia, Ill. Filed Mar. 17, 1934.



The drawing is lined for green, an essential feature of the mark.
For Toilet Preparation in Liquid Form for Use After Shaving, After the Bath, and at Other Times to Preserve and Beautify the Skin and Complexion.
Claims use since Feb. 13, 1934.

Ser. No. 348,748. CAMPANA CORPORATION, Batavia, Ill. Filed Mar. 17, 1934.

Campana

Dreskin

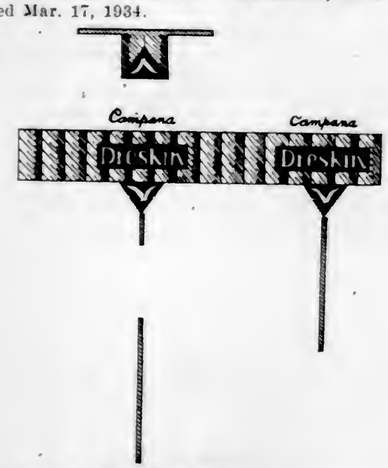
The Original
SKIN INVIGORATOR

Applicant disclaims the phrase "The Original Skin Invigorator" apart from the mark as shown.

For Toilet Preparation in Liquid Form for Use After Shaving, After the Bath, and at Other Times to Preserve and Beautify the Skin and Complexion.

Claims use since Feb. 13, 1934.

Ser. No. 348,749. CAMPANA CORPORATION, Batavia, Ill. Filed Mar. 17, 1934.



The drawing is lined for green.

For Toilet Preparation in Liquid Form for Use After Shaving, After the Bath, and at Other Times to Preserve and Beautify the Skin and Complexion.

Claims use since Feb. 13, 1934.

Ser. No. 351,102. CAMPANA CORPORATION, Batavia, Ill. Filed May 9, 1934.

Campana

Dreskin

For Toilet Preparation—Namely, a Liquid Preparation for Use After Shaving, After the Bath, and at Other Times to Preserve and Beautify the Skin and Complexion.

Claims use since Dec. 28, 1933.

Ser. No. 353,907. THE VITALITY VITAMIN LABORATORIES LIMITED, Melton Mowbray, England. Filed July 14, 1934.

RENOVITA

For Medicated Preparations for Veterinary Use—Namely, a Vitamin Food for Improving the Condition of Horses, Dogs, and Other Animals.

Claims use since Nov. 9, 1933.

Ser. No. 354,700. POWER SEAL CO., Los Angeles, Calif. Filed Aug. 6, 1934.

Seals Valves and Rings POWER SEAL

The words "Seals Valves and Rings" are disclaimed except when used in association with the other features of the mark.

For Sealing Compound for Use in Cylinders of Internal Combustion Engines.

Claims use since February, 1934.

Ser. No. 355,381. JAMES ROSS BOLES, doing business as Orex Company, San Antonio, Tex. Filed Aug. 23, 1934.



The words "Mouth Powder" are disclaimed apart from the mark as shown.

For Mouth Powder.

Claims use since June 1, 1934.

Ser. No. 355,530. LEON D'EMO, doing business as The Tag Remedy Co., New York, N. Y. Filed Aug. 29, 1934.

TAG

For Medicinal Preparation for the Treatment of Corns.

Claims use since June 16, 1934.

Ser. No. 355,814. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Filed Sept. 7, 1934.

PABSTONIC

The applicant is the owner of registration No. 298,446 for a mark including the term "Pabst".

For Malt Tonic of Not More Than Legal Alcoholic Content.

Claims use since June 22, 1934.

Ser. No. 355,854. WALTER SALTOR, doing business as Walter Saltor Herb Company, Naugatuck, Conn. Filed Sept. 8, 1934.

WALTER



SALTOR'S
MEDICINES
.....FROM.....
NATURE'S STOREHOUSE

The words "Walter Saltor's Medicines From" are disclaimed apart from the mark.

For Preparations for the Treatment of Piles and Stomach and Intestinal Disorders.

Claims use since Aug. 15, 1934.

Ser. No. 355,880. CARLOS M. DEL VALLE, New York, N. Y. Filed Sept. 10, 1934.

TRANSFUSIN

For Chemical Biological Solution for Intravenous Injection.

Claims use since Aug. 28, 1934.

Ser. No. 355,909. WILLIAM B. WALLACE, Dallas, Tex. Filed Sept. 10, 1934.

O-NO

For Breath Deodorant.

Claims use since Apr. 15, 1933.

Ser. No. 355,967. VINCENT GROGAN, doing business as Oculo Products Co., Chicago, Ill. Filed Sept. 12, 1934.

Oculo

For Liquid Preparation for the Relief of Eye Irritations and Eye Diseases, Especially Effective for Eye Irritation Which Accompanies Hay Fever.

Claims use since Aug. 20, 1934.

Ser. No. 356,202. HARRY SQUIRES, doing business as Squires Laboratories, Thompsonville, Conn. Filed Sept. 19, 1934.

Squires

HAIR
VITALIZER

Applicant makes no claim to the words "Hair Vitalizer."

For Preparation for Use in Treating the Scalp.

Claims use since Sept. 4, 1934.

Ser. No. 356,233. STRIDE PRODUCTS CORPORATION, Cleveland, Ohio. Filed Sept. 20, 1934.

STRIDE

For Medicated Corn Pads, Medicated Moleskin for Application to Corns, Callouses, Tender Spots and the Like, Medicated Instep Pads, a Preparation for Removing Corns and Callouses, Foot Balm, a Preparation for the Treatment of Ingrowing Nails, and Foot Powder.

Claims use since Mar. 17, 1934.

Ser. No. 356,253. HARLEKO PHARMACEUTICAL LABORATORY, Los Angeles, Calif. Filed Sept. 21, 1934.

HARLEKO

For Preparation for the Relief of Asthma.

Claims use since July 15, 1926.

Ser. No. 356,319. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Sept. 22, 1934.

BAYOL

For White Mineral Oil for Technical, Industrial, Chemical, Medicinal, Pharmaceutical, and Veterinary Purposes.

Claims use since July 31, 1923.

Ser. No. 356,357. MCMAHON MANUFACTURING COMPANY, Deridder, La. Filed Sept. 24, 1934.

CREONOX

For Preparation for Relief of Coughs, Colds, Nasal Congestion, and Throat and Bronchial Irritations.

Claims use since January, 1934.

Ser. No. 356,403. FAYDON LABORATORIES, Syracuse, N. Y. Filed Sept. 25, 1934.

TIP-TOP

For Insecticide.

Claims use since July 31, 1934.

Ser. No. 356,429. WILKINSON AND MUHM, San Francisco, Calif. Filed Sept. 25, 1934.

B-slim

For Reducing Compound.
Claims use since Aug. 10, 1934.

Ser. No. 356,464. VICK CHEMICAL COMPANY, Philadelphia, Pa. Filed Sept. 26, 1934.

VATRONOL

For Medicinal Preparation Used in the Treatment or Prevention of Colds and Affections of the Throat and Nasal Passages.
Claims use since Aug. 15, 1934.

Ser. No. 356,527. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Sept. 28, 1934.

PYLAN

For Pile Ointment.
Claims use since Sept. 18, 1934.

Ser. No. 356,539. ROTENONE PRODUCTS CO., INC., East Orange, N. J. Filed Sept. 28, 1934.

NICO-ROTE

For Insecticides.
Claims use since Sept. 15, 1934.

Ser. No. 356,585. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Sept. 29, 1934.

WINEHAVEN

For Tonic Having a Wine Base.
Claims use since Aug. 23, 1934.

Ser. No. 356,641. SAUNDERS CHEMICAL CORPORATION, St. Louis, Mo. Filed Oct. 1, 1934.

Flight

For Antiseptic Topical Preparation.
Claims use since Aug. 3, 1934.

Ser. No. 356,650. UNCLE SAM CHEMICAL CO., INC., New York, N. Y. Filed Oct. 1, 1934.

FORAMBA

For Moth Liquid Spray, Fly Spray, Insecticides, and Roach Powder.
Claims use since August, 1929.

Ser. No. 356,763. FALBRO LABORATORIES, INC., Philadelphia, Pa. Filed Oct. 4, 1934.

SULDOX

For External Medication, An Antizymotic or Antiferment Preparation with Antiseptic Properties.
Claims use since Sept. 29, 1934.

Ser. No. 357,078. GEO. W. CAMPBELL, Jr., Atlanta, Ga. Filed Oct. 11, 1934.



For Cigarette Tobacco Stain Remover.
Claims use since May 10, 1934.

Ser. No. 357,249. LENTHERIC, INCORPORATED, New York, N. Y. Filed Oct. 18, 1934.

CLANDESTINE

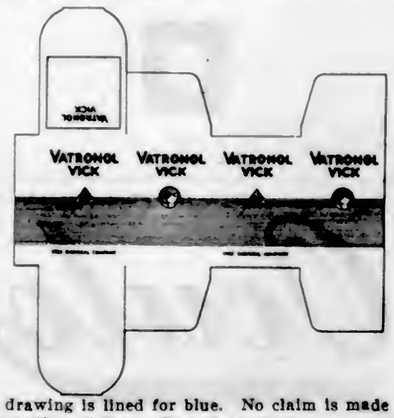
For Perfumes.
Claims use since Oct. 10, 1934.

Ser. No. 357,361. ELDON C. KAEFER, doing business as Kaefer Laboratories, Chicago, Ill. Filed Oct. 20, 1934.

INTERFERIN

For Plastic Preparation for Intrauterine Treatment.
Claims use since Nov. 1, 1933.

Ser. No. 357,449. VICK CHEMICAL COMPANY, Philadelphia, Pa. Filed Oct. 23, 1934.



The drawing is lined for blue. No claim is made to the representation of the outline of a carton.
For Medicinal Preparation Used in the Treatment or Prevention of Colds and Affections of the Throat and Nasal Passages.
Claims use since Aug. 15, 1934.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 341,318. AMERICAN AUTOMATIC DEVICES CO., Chicago, Ill. Filed Sept. 5, 1933.

Feather Wate

The words "Feather Wate" are disclaimed apart from the mark.
For Cigarette Cases.
Claims use since Aug. 26, 1931.

CLASS 10

Fertilizers

Ser. No. 352,385. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed June 7, 1934.

Garden CALCITE

No claim is made to the words "Garden Calcite" apart from the mark shown. The drawing is lined for green.
For Fertilizer.
Claims use since Mar. 8, 1932.

CLASS 12

Construction Materials

Ser. No. 349,619. DEWEY & ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Apr. 6, 1934.

Poly-Purpose

For Portland Cements.
Claims use since Mar. 19, 1934.

Ser. No. 349,620. DEWEY & ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Apr. 6, 1934.

POLY-PURPOSE

For Portland Cements.
Claims use since Mar. 19, 1934.

Ser. No. 356,227. KERLOW STEEL FLOORING COMPANY, Jersey City, N. J. Filed Sept. 20, 1934.

BOLDEJ

For Metallic Steps and Gratings.
Claims use since Oct. 6, 1933.

Ser. No. 356,249. BUBBLESTONE COMPANY, Pittsburgh, Pa. Filed Sept. 21, 1934.

PLASTIFLO

For Ingredient for the Manufacture of Concrete and the Like to Make It Plastic and Fluid.
Claims use since May, 1934.

Ser. No. 357,010. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Oct. 11, 1934.

HW

For Refractory, Insulating, and Acid-Proof Brick.
Claims use since Jan. 2, 1932.

Ser. No. 357,317. THE UPSON COMPANY, Upson Point, Lockport, N. Y. Filed Oct. 19, 1934.

REDIPREP

For Fiber Board Adapted for Use as Wall Board and for Other Construction Purposes.
Claims use since Aug. 30, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 352,828. MODERN ENGINEERING COMPANY, St. Louis, Mo. Filed June 18, 1934.

Sanitap

For Lager Valves for Use in Beer Barrels, Tap Faucets, Beer Barrel Vents, Faucets, Flushers, Lager Valve Set Keys, Metal Washers, Valves for Controlling Flow of Beer Through Conductors Leading from Beer Barrels, Pressure-Reducing Valves, Air Cocks, Elbows, Unions, Couplings, and T's.
Claims use since May 1, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 357,051. GENERAL PAINT & VARNISH CO., doing business as Wheeler Varnish Works, Chicago, Ill. Filed Oct. 12, 1934.

SPEED ROCK

The word "Rock" is disclaimed apart from the mark shown.

For Ready Mixed Paint, Varnishes, Stains, and Paint Enamels.

Claims use since 1926.

Ser. No. 357,390. PENOLA INC., Pittsburgh, Pa. Filed Oct. 22, 1934.

CRETECOTE

For Dry, Paste, and Ready-Mixed Paints.

Claims use since Sept. 20, 1934.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 356,900. THE DAVIS WELDING & MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Oct. 9, 1934.

DAVALOY

For Truck Tanks.

Claims use since Aug. 30, 1934.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 356,655. BIRD & SON, INC., East Walpole, Mass. Filed Oct. 2, 1934.

CHROMALIN

For Floor Covering of the Hard Surfaced Flexible Type and Having a Wearing Layer of Plastic Material Consisting Essentially of Powdered Wood and Binder.

Claims use since Sept. 28, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 357,313. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Oct. 19, 1934.

EDGEBROOK

For Golf Balls.

Claims use since Aug. 27, 1934.

Ser. No. 357,314. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Oct. 19, 1934.

RIPTIDE

For Golf Balls.

Claims use since Aug. 27, 1934.

Ser. No. 357,315. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Oct. 19, 1934.

YANKEE

For Golf Balls.

Claims use since Aug. 27, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 351,794. BARCO MANUFACTURING CO., Chicago, Ill. Filed May 24, 1934.

BARCO

For Power Operated Hammers, Tampers, Riveters, Breakers, Drills and the Like, and Parts Thereof.

Claims use since Apr. 19, 1934.

Ser. No. 352,895. PIONEER TOOL COMPANY, Bloomfield, N. J. Filed June 7, 1934.



For Putty Knives, Wall Scrapers, Floor Scrapers, Cabinet Scrapers, Wood Scrapers, Spatulas, Paint and Ink Mixers, Pallette Knives, Seam Rollers, Paperhangers Knives, Glaziers Chisels, Wallpaper Trimmers, Oilcloth Knives, Shoe Knives, Rubber Knives, Skinning Knives, Overlay Knives, Paring Knives, Hack Knives, Bakers Knives and Scrapers, Butcher Knives, Cleavers, Cook Forks, Carpet Knives, Matting Knives, Cigar Knives, Cork Knives, Leather Knives, Tobacco Knives, Sloyd Knives, Pocket Knives, Casing Wheel Knives, Banana Knives, Asparagus Knives, Oyster Knives, Clam Knives, Fish Knives, Bread Knives, Carving Knives, Cheese Knives, Chopping Knives, Mincing Knives, Slicing Knives, Fruit Knives, Pot Forks; Table Knives Made of Base Metal and Table Forks Made of Base Metal; Pancake Turners, Pie Knives, Cake Knives, Sticking Knives, Steak Knives, Sharpening Steels, Boning Knives, and Steak Turners.

Claims use since Sept. 21, 1932.

Ser. No. 354,921. THE BRISTOL AEROPLANE COMPANY LIMITED, Bristol, England. Filed Aug. 13, 1934.

PERSEUS

For Aircraft Engines.

Claims use since March, 1919.

Ser. No. 355,749. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Sept. 6, 1934.

A.S.R.

For Razor Blades and Safety Razors.

Claims use since Aug. 18, 1934.

Ser. No. 356,640. SANITARY PUBLIC SERVICE CORPORATION, New York, N. Y. Filed Oct. 1, 1934.

Sanineed

For Dispensing Machines for Toilet Seat Covers and/or Towels.

Claims use since May 24, 1934.

Ser. No. 356,940. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Oct. 10, 1934.

DUST-MASTER

For Carpet Sweepers.

Claims use since Sept. 27, 1934.

CLASS 24

Laundry Appliances and Machines

Ser. No. 357,185. WESTERN NEWELL MFG. CO., Freeport, Ill. Filed Oct. 15, 1934.

MEASURITE

For Curtain Stretchers.

Claims use since Aug. 29, 1934.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 349,352. WILLIAM PFEIFFER, Rochester, N. Y. Filed Apr. 2, 1934.



Trade-mark consists of a vertically disposed central red strip. No claim is made to the representation of a pipette per se apart from the mark that it bears.

For Pipettes Used for Making Blood Count.

Claims use since Mar. 7, 1934.

Ser. No. 352,777. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed June 16, 1934.

CENTRAL ® RECORDS

No claim is made for the words "Central Records" apart from the mark shown.

For Automatic Electrical Accounting Systems and Equipment for Use in Department Stores and for Similar Use, and Parts Thereof Consisting in Transmitters for Transmitting Sales Information, Receiving Distributers for Receiving and Distributing Sales Information to Card Punches or Printers, Card or Tape Punching Equipment, Credit Authorizing Equipment for Obtaining Approval of Charge Sales from Credit Clerks, Bulk and Yard Goods Registers, Printing and Tabulating Equipment, Switching Apparatus for Interconnecting the Component Parts of Such Systems, Cross Connecting Frames Used with the Switching Apparatus, Equipment for Supplying Power in Such Systems, and Telephone Equipment Used in Such Systems.

Claims use since Sept. 13, 1933.

Ser. No. 356,466. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Sept. 26, 1934.

ELECTROTEMP

For Electrical Thermometers.

Claims use since July 17, 1934.

CLASS 31

Filters and Refrigerators

Ser. No. 357,469. PERFECTION STOVE COMPANY, Cleveland, Ohio. Filed Oct. 24, 1934.



For Refrigerators and Refrigeration Apparatus for Chilling Milk.

Claims use since May 2, 1928.

CLASS 32

Furniture and Upholstery

Ser. No. 357,327. SAMUEL S. BERNSTEIN, Los Angeles, Calif. Filed Oct. 20, 1934.

CABLE-EZE

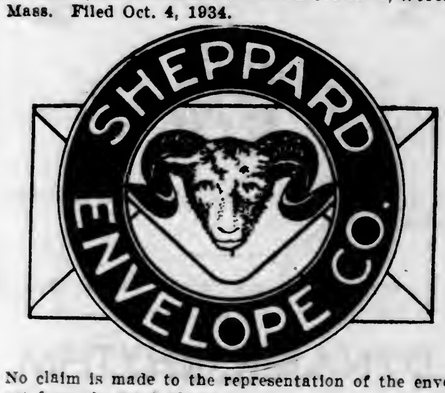
For Bottom Reenforcing Structure for Upholstered Furniture, and for Upholstered Furniture Equipped with Such Reenforcing Structure—Namely, Chairs, Davenports, and Beds.

Claims use since Oct. 5, 1934.

CLASS 37

Paper and Stationery

Ser. No. 356,783. SHEPPARD ENVELOPE COMPANY, Worcester, Mass. Filed Oct. 4, 1934.



No claim is made to the representation of the envelope apart from the mark shown.

For Correspondence and Mailing Envelopes.

Claims use since January, 1921.

Ser. No. 356,935. ACME CARD SYSTEM COMPANY, Chicago, Ill. Filed Oct. 10, 1934.

Da-log

The word "Log" is disclaimed apart from the mark shown.
For Combination Desk Calendars, Diaries, and Address Books.
Claims use since Dec. 20, 1928.

Ser. No. 356,986. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed Oct. 11, 1934. Under 10-year proviso.

AMERICAN

For Pencils, Mechanical Pencils, Pencil Leads, Penholders, and Erasers.
Claims use since 1864.

Ser. No. 357,286. KEYSTONE INDEX CARD COMPANY, Philadelphia, Pa. Filed Oct. 19, 1934.

Keyloid

For Index Guide Cards.
Claims use since June 14, 1934.

CLASS 38

Prints and Publications

Ser. No. 341,634. CHARLES E. LAURIAT COMPANY, Boston, Mass. Filed Sept. 16, 1933.



For Series of Original Stories Published at Intervals.
Claims use since 1922.

Ser. No. 353,878. WOLSTAN CROCKER BROWN, Elgin, Ill. Filed July 14, 1934.

DYNAMIC-RHYTHM

For Periodical Publication.
Claims use since July 7, 1934.

Ser. No. 354,786. ANNE CURRY PEAT, New York, N. Y. Filed Aug. 8, 1934.

Anne Hirst Says . . .



The picture on the drawing is a portrait of the applicant.
For Column in a Newspaper.
Claims use since Aug. 12, 1933.

Ser. No. 356,396. WESTERN JOURNAL COMPANY, Los Angeles, Calif. Filed Sept. 24, 1934.

The MOTORCYCLIST

For Periodical.
Claims use since November, 1932.

Ser. No. 356,617. THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 1, 1934.

Philbert

For Series of Cartoons.
Claims use since Aug. 4, 1934.

Ser. No. 357,239. THE COTTON-TEXTILE INSTITUTE, INC., New York, N. Y. Filed Oct. 18, 1934.

COTTON FLASHES

For Publications Issued from Time to Time.
Claims use since Sept. 20, 1934.

Ser. No. 357,258. STAMPOLOG INC., New York, N. Y. Filed Oct. 18, 1934.

STAMPOLOG

For Books.
Claims use since Apr. 5, 1934.

CLASS 39

Clothing

Ser. No. 350,765. JAY-THORPE, INC., New York, N. Y. Filed May 1, 1934.

Jaytho Lastique

The drawing is lined for yellow.
For Corsets, Brassières, and Combinations Thereof.
Claims use since Jan. 10, 1934.

Ser. No. 351,309. THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed May 14, 1934.

FLAREWEDGE

For Shoes Made of Leather.
Claims use since Mar. 28, 1934.

Ser. No. 352,771. ACME GLOVE CORPORATION, Gloversville, N. Y. Filed June 16, 1934.

"ALMONDIZED" Beautyskin

For Leather Gloves.
Claims use since June 1, 1934.

Ser. No. 353,309. VOGUE MFG. CO., Newark, N. J. Filed June 28, 1934.

COLLEGAIRE

For Corsets, Brassieres, Girdles, Foundations—Namely, Corset and Brassiere Combinations; Garter Belts, Bandeaux and Combinations—Namely, Girdles and Brassiere Combinations.
Claims use since June 1, 1934.

Ser. No. 355,316. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Aug. 22, 1934.

Repose NIGHT WEAR

No claim is made to the words "Night Wear" apart from the mark as shown.
For Men's, Women's, and Children's Night Shirts, Pajamas, Smoking Jackets, Bathrobes, Lounging Robes, Beach Robes, and Men's and Boys' Shorts (Underwear).
Claims use since Jan. 1, 1909.

Ser. No. 355,683. MASTER WHITE GOODS COMPANY, Nebraska City, Nebr. Filed Sept. 1, 1934.

Nauty Nitie

No claim is made to the word "Nitie" apart from the mark shown.
For Sleeping Garments for Women.
Claims use since July 15, 1934.

Ser. No. 355,689. THOMAS & MARCUS, INC., New York, N. Y. Filed Sept. 1, 1934.

"Coverette"

For Women's Underwear.
Claims use since July 1, 1934.

Ser. No. 355,692. THOMAS & MARCUS, INC., New York, N. Y. Filed Sept. 1, 1934.

"Rompette"

For Women's Underwear.
Claims use since July 1, 1934.

Ser. No. 355,712. J. C. ROULETTE & SONS, INC, Hagerstown, Md. Filed Sept. 4, 1934.

Fre-Way

For Knitted Union Suit or Undergarment for Men, Women, and Children.
Claims use since Aug. 21, 1934.

Ser. No. 355,775. STEINBERGER BROS. GLOVE CORP., San Francisco, Calif. Filed Sept. 6, 1934.



For Leather Gloves.
Claims use since Aug. 21, 1934.

Ser. No. 355,993. L. ABELSON & SON., New York, N. Y. Filed Sept. 13, 1934.

SKI-CHAMP

For Children's Coats, Suits, Jackets, and Sweaters.
Claims use since Aug. 20, 1933.

Ser. No. 356,220. CRAWFORD MANUFACTURING CO. INC., Richmond, Va. Filed Sept. 20, 1934.

CRAWFORD
WIND-CLIPPER

For Outer Garments—Namely, Coats for Men, Women, and Children, Jackets, and Lumberjackets.
Claims use since July 1, 1933.

Ser. No. 356,273. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Sept. 21, 1934.

LIN-N-TREAD

For Hosiery.
Claims use since Aug. 23, 1934.

Ser. No. 356,300. FARR BROS. CO., Allentown, Pa. Filed Sept. 22, 1934.

Far-Ahead
Debbys

For Shoes of Leather, Fabric, Rubber, or Combinations Thereof, for Women, Misses, Girls, and Children.
Claims use since Sept. 15, 1933.

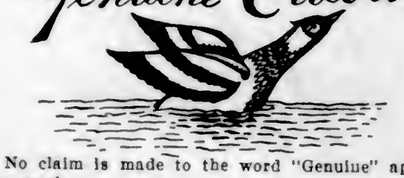
Ser. No. 356,400. JAY KAY SALES CORPORATION, New York, N. Y. Filed Sept. 25, 1934.

FOOT PRIDE

For Men's, Women's, and Children's Shoes and Boots Made of Leather and/or Fabric Combination.
Claims use since Mar. 1, 1933.

Ser. No. 356,509. SAMUEL N. BRIMBERG, INC., New York, N. Y. Filed Sept. 28, 1934.

Genuine Erdown



No claim is made to the word "Genuine" apart from the mark.
For Ladies', Misses', Junior, and Children's Dresses, Coats, Suits, Blouses, Skirts, Robes, Jackets, Capes, Nightgowns, Pajamas, Underwear, and Negligees.
Claims use since Sept. 27, 1934.

Ser. No. 356,663. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Oct. 2, 1934.

PERMAFLEX

For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Sept. 5, 1934.

Ser. No. 356,665. JAY GEE HAT CO., INC., New York, N. Y. Filed Oct. 2, 1934.

"FORWARD PASS"

For Ladies' Hats.
Claims use since Sept. 21, 1934.

Ser. No. 356,673. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Oct. 2, 1934.

·DULGLO·



For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since June 21, 1934.

Ser. No. 356,682. PLYMOUTH RUBBER COMPANY, INC., Canton, Mass. Filed Sept. 29, 1934.

RUBLAN

For Rain Coats.
Claims use since July 30, 1934.

Ser. No. 356,719. THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed Oct. 3, 1934.

FLEXOLE

For Shoes Made of Leather.
Claims use since Sept. 10, 1934.

Ser. No. 356,774. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Oct. 4, 1934.

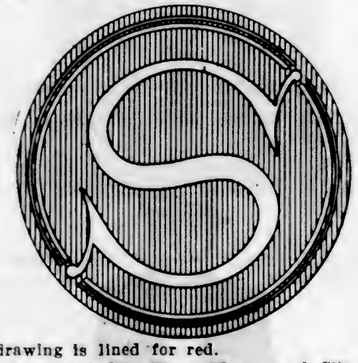
"OVER-TURE"

For Brassieres, Bandeaux, Corsets, Corselets, and Girdles.
Claims use since Sept. 13, 1934.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 351,434. JOHN SIDEBOTHAM, INCORPORATED, Philadelphia, Pa. Filed May 16, 1934.



The drawing is lined for red.
For Woven and Slit Tape, Woven and Slit Binding, Woven and Slit Edging, Braid, and Webbing.
Claims use since Dec. 29, 1933.

Ser. No. 356,085. JOHN SIDEBOTHAM, INCORPORATED, Philadelphia, Pa. Filed Sept. 15, 1934.

EAGLE

For Woven Tape, Woven Binding, Woven Edging, Piping, Braid, and Webbing.
Claims use since November, 1920.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 351,032. NORTH-MEHORNAY FURNITURE CO., Kansas City, Mo. Filed May 7, 1934.

DIXIE

For Cotton Blankets and Comforts.
Claims use since May 4, 1928.

Ser. No. 353,052. ATLAS MILLS, INC., New York, N. Y. Filed June 23, 1934.

Seeli

For Piece Goods Made of Silk and/or Rayon.
Claims use since June 1, 1934.

Ser. No. 353,053. ATLAS MILLS, INC., New York, N. Y. Filed June 23, 1934.

Milli

For Piece Goods Made of Silk and/or Rayon.
Claims use since June 1, 1934.

Ser. No. 353,839. ATLAS MILLS, INC., New York, N. Y. Filed July 13, 1934.

Zuki

For Piece Goods Made of Silk and/or Rayon.
Claims use since June 1, 1934.

Ser. No. 355,330. J. P. STEVENS & CO. INC., New York, N. Y. Filed Aug. 22, 1934.

GNOME CLOTH

No claim is made to the word "Cloth."
For Cotton Shirtings.
Claims use since Apr. 15, 1934.

Ser. No. 356,242. WILMERDING & BISSET, New York, N. Y. Filed Sept. 20, 1934.

SAXON

For Canvas Used for Interlining Purposes.
Claims use since July 14, 1934.

Ser. No. 356,448. MAY DEPARTMENT STORES COMPANY, New York, N. Y. Filed Sept. 26, 1934.

Lady Cleveland

For Sheets and Pillow Cases.
Claims use since June, 1931.

Ser. No. 356,449. MAY DEPARTMENT STORES COMPANY, New York, N. Y. Filed Sept. 26, 1934.

LADY MAY

For Sheets and Pillow Cases.
Claims use since about April, 1933.

CLASS 43

Thread and Yarn

Ser. No. 355,429. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 25, 1934.

SPUNCELLA

For Yarns.
Claims use since Aug. 22, 1934.

Ser. No. 356,064. INTER-STATE RAYON YARN INC., New York, N. Y. Filed Sept. 14, 1934.

WIDE-COVER

For Rayon Yarn.
Claims use since June 1, 1933.

Ser. No. 356,330. BAY STATE THREAD WORKS, Springfield, Mass. Filed Sept. 24, 1934.



No claim is made to the words "Knitting and Crochet Cotton" apart from the mark as shown.
For Knitting and Crochet Cotton.
Claims use since July 20, 1934.

Ser. No. 356,427. S. SLATER & SONS, INC., New York, N. Y. Filed Sept. 25, 1934.

DULAINE

For Woolen Yarn and Thread.
Claims use since February, 1931.

Ser. No. 356,669. MASUREL WORSTED MILLS, INC., Woonsocket, R. I. Filed Oct. 2, 1934.



THE SEAL OF ORIGINALITY

The expression "Woonsocket, R. I." is disclaimed apart from the mark.
For Yarns Composed of Worsted, Wool, Cashmere, Angora, Cotton, Silk, Linen, Rayon Threads or Fibers, and/or Combinations of Said Thread and Fibers.
Claims use since Mar. 5, 1931.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 355,952. MARY E. VOLLMER, doing business as Volmr Studios, Wilton, Conn. Filed Sept. 11, 1934.

THUMB-MA-BOB

For Finger Protectors.
Claims use since Aug. 8, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 343,817. T. K. COOK, Cleveland, Ohio. Filed Nov. 18, 1933.

KLIX

For Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since Nov. 15, 1933.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 335,876. E. & A. OPLER, INC., Chicago, Ill. Filed Mar. 20, 1933.



No claim is made to the words "Buy American" apart from the mark.
For Cocoa.
Claims use since Feb. 15, 1933.

Ser. No. 339,822. CALIFORNIA CHEEZ FREEZ CO., Cleveland, Ohio. Filed July 17, 1933.

CHEEZ
Freez

Applicant disclaims the word "Cheez" except in association with the word "Freez".
For Comestibles—Namely, Cheese Cakes.
Claims use since Nov. 23, 1932.

Ser. No. 342,989. ALBERT VERLEY, INC., Chicago, Ill. Filed Oct. 27, 1933.

VERLEY BFA.

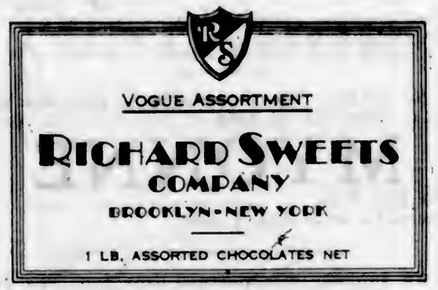
For Preparation for Imparting Aroma or Bouquet to Butter.
Claims use since Aug. 10, 1933.

Ser. No. 355,800. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash. Filed Sept. 7, 1934.



For Cereal Product Made from Wheat for Use as a Breakfast Food or in the Preparation of Bread, Muffins, Pancakes, Crackers, Biscuits, and the Like.
Claims use since Aug. 4, 1934.

Ser. No. 356,114. JOHN KRUGMAN, Brooklyn, N. Y. Filed Sept. 17, 1934.



No claim is made to the words "Vogue Assortment", "Brooklyn—New York", and " 1 lb. Assorted Chocolates Net."
For Candies.
Claims use since Aug. 30, 1932.

Ser. No. 357,195. GRIGGS, COOPER & COMPANY, doing business as Sanitary Food Manufacturing Co., St. Paul, Minn. Filed Oct. 17, 1934.

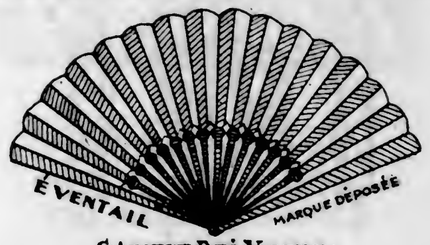
Minuet

For Coffee and Soda Crackers.
Claims use since Mar. 5, 1912.

CLASS 47

Wines

Ser. No. 343,032. CARLOS AUGUSTE EGLI, Valencia, Spain. Filed Oct. 30, 1933.



No claim is made to the words "C. Auguste Egli", "Valencia", and "Marque Deposée."
For Wines.
Claims use since Nov. 27, 1919.

Ser. No. 351,289. CALIFORNIA FRUIT PRODUCTS CO., INC., New York, N. Y. Filed May 11, 1934.

OLD ABBEY

For Wines.
Claims use since Dec. 10, 1910.

Ser. No. 351,323. HERMAN KRAUSS, INCORPORATED, Toledo, Ohio. Filed May 14, 1934.

ST. MORITZ



The name "St. Moritz" is disclaimed apart from the mark. The figure is fanciful.
For Wines.
Claims use since May 10, 1934.

Ser. No. 351,453. CHRISTOPHER & COMPANY LIMITED, London, England. Filed May 17, 1934. Under 10-year proviso.

CHRISTOPHER'S

For Wines.
Claims use since 1831.

Ser. No. 352,028. BATTISTA CELLA, doing business as Roma Wine Company, Lodi, Calif. Filed May 29, 1934.



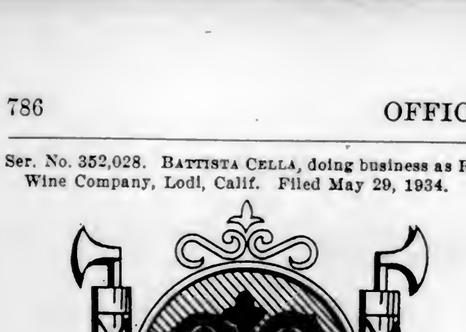
The drawing is lined for green and red.
For Wines.
Claims use since March, 1933.

Ser. No. 352,064. AMERICAN GOLD VINTAGES, INC., New York, N. Y. Filed May 31, 1934.

American Gold

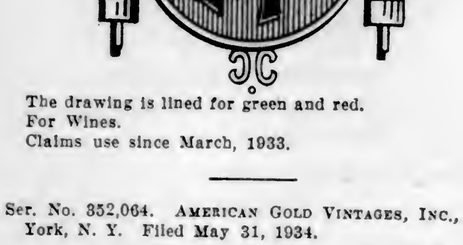
For Champagne.
Claims use since February, 1934.

Ser. No. 352,744. ALFRED EDOUARD KRESSMANN, Bordeaux, France. Filed June 15, 1934.



For Still and Sparkling Wines.
Claims use since 1930.

Ser. No. 355,326. PIERRE PONNELLE, Beaune, France. Filed Aug. 22, 1934.



All notations on the drawing except "Abbaye De St. Martin" and the name of applicant are disclaimed apart from the mark.
For Wines.
Claims use since July 15, 1875.

Ser. No. 356,586. GALVANONI & NEVI BROS., INC., New York, N. Y. Filed Sept. 29, 1934.

GOLDEN CASTLE

For Wines.
Claims use since May, 1934.

Ser. No. 357,133. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

18 - K

For Wines.
Claims use since Oct. 9, 1934.

Ser. No. 357,136. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 15, 1934.

MT. SINAI

Applicant is the owner of Registration No. 314,988, dated July 17, 1934.
For Wines.
Claims use since Oct. 9, 1934.

Ser. No. 357,196. HAMMONDSPORT VINTAGE CORPORATION, Penn Yan, N. Y. Filed Oct. 17, 1934.

Gilt Edge

For Champagne and Still Wines.
Claims use since 1900.

Ser. No. 357,218. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1934.

MYONNE

For Port Wine.
Claims use since Sept. 1, 1934.

Ser. No. 357,222. BLOOMINGDALE BROS. INC., New York, N. Y. Filed Oct. 18, 1934.

SUPERBA

For Port Wine.
Claims use since Sept. 1, 1934.

Ser. No. 357,223. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1934.

OLD VARSITY

For Port Wine.
Claims use since Sept. 1, 1934.

Ser. No. 357,308. JAMES A. SMITH, New York, N. Y. Filed Oct. 19, 1934.

GAUCHO

For Wines.
Claims use since March 1, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 356,411. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Sept. 25, 1934.

ROSEDALE

For Beer.
Claims use since Sept. 7, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 345,715. JAMES B. LAWSON, Dundee, Scotland. Filed Jan. 6, 1934.

James B. Lawson

Trade-mark consists of the facsimile signature of "James B. Lawson", a member of applicant firm.
For Whiskies.
Claims use since 1860.

Ser. No. 345,957. PEDRO DOMECQ Y CIA, Jerez de la Frontera, Spain. Filed Jan. 12, 1934.

FUNDADOR

For Brandies.
Claims use since Nov. 21, 1933.

Ser. No. 345,959. PEDRO DOMECQ Y CIA, Jerez de la Frontera, Spain. Filed Jan. 12, 1934.

Three Vines
PEDRO DOMECQ y CIA
— Jerez de la Frontera —

The words "Pedro Domecq y Cia Jerez de la Frontera" form no part of the trade-mark except as shown.
For Brandies.
Claims use since Nov. 21, 1933.

Ser. No. 347,133. COLONIAL DISTILLING & DISTRIBUTING CORPORATION, New York, N. Y. Filed Feb. 8, 1934.

Monaco

For Whiskey, Gin, and Other Potable Distilled Liquors.
Claims use since Jan. 30, 1934.

Ser. No. 351,823. AMEDEO PERTICUCCI, Milan, Italy. Filed May 24, 1934.



Exclusive use of the words "Bitter", "Milano," and "Marca Depositata" is disclaimed apart from the mark.
For Alcoholic Bitters.
Claims use since July, 1929.

Ser. No. 354,309. THE SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Filed July 25, 1934.

MONACCO

For Cordials.
Claims use since 1908.

Ser. No. 354,619. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Aug. 3, 1934.



For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 355,377. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Aug. 23, 1934.



The drawing is lined for red. No claim is made to the words "Couvet (Suisse)."
For Cordials.
Claims use since 1891.

Ser. No. 355,378. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Aug. 23, 1934.



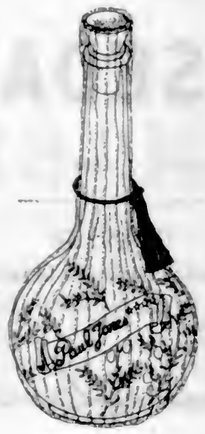
The drawing is lined for red. No claim is made to the words "Berg-Kirschwasser" or "a Couvet."
For Kirschwasser, a Variety of Cherry Brandy.
Claims use since 1834.

Ser. No. 355,866. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Sept. 8, 1934.



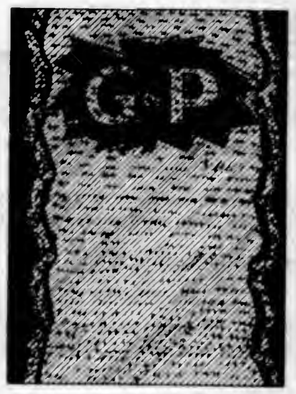
The drawing is lined for red and gold. No claim is made to the word "Ron" apart from the mark as shown.
For Cuban Rum.
Claims use since 1872.

Ser. No. 356,002. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Sept. 13, 1934.



No claim is made to the representation of a bottle or wrapper per se apart from the other features of the mark. Applicant's mark consists of the distinctive combination of elements which include a label bearing the words "Paul Jones" and the representation of four stars together with a tassel affixed about and depending alongside the neck of the bottle. Applicant is the owner of trade-mark registrations 231,691, Aug. 23, 1927; 232,090, Aug. 30, 1927; 308,128, Nov. 21, 1933; and 311,566, Mar. 27, 1934.
For Gin.
Claims use since July 27, 1934.

Ser. No. 356,130. ABRAHAM POUST, doing business as Poust Liquor & Wine Co., New York, N. Y. Filed Sept. 17, 1934.



The drawing is lined for tan and brown, with small dottings showing bark.
For Whiskey, Brandy, and Gin.
Claims use since Aug. 10, 1934.

Ser. No. 356,175. JOSEPH A. BERSON, doing business as Springdale Distilling Company, Stamford, Conn. Filed Sept. 19, 1934.



Applicant disclaims the words "Straight Rye Whiskey", "Bottled By", and "Springdale, Conn."
For Rye Whiskey.
Claims use since June 1, 1934.

Ser. No. 356,346. ED. F. HAYES, Los Angeles, Calif. Filed Sept. 24, 1934.



No claim is made to the word "Mash" apart from the mark shown.
For Whiskey, Apricot Liqueur, Gin, and Grape Brandy.
Claims use since June 15, 1934.

Ser. No. 356,347. ED. F. HAYES, Los Angeles, Calif. Filed Sept. 24, 1934.



No claim is made to the word "Larchmont" apart from the mark shown.
For Whiskey, Grape Brandy, Apricot Liqueur, and Gin.
Claims use since May 23, 1934.

Ser. No. 356,423. PARK, BENZIGER & CO., INC., New York, N. Y. Filed Sept. 25, 1934.



No claim is made to the words "Fine Grand Armagnac", "Condom Gers" and "Brandy."
For Brandy.
Claims use since Sept. 5, 1934.

Ser. No. 356,439. M. S. GRIFFLER IMPORT CO. INC., New York, N. Y. Filed Sept. 26, 1934.



For Gin and Whiskey.
Claims use since July 1, 1934.

Ser. No. 356,603. RUST-OPPENHEIM, WAEGEN & CO. INC., New York, N. Y. Filed Sept. 29, 1934.

Old Swagger

WHISKEY

The word "Whiskey" is disclaimed apart from the mark shown.
For Whiskey.
Claims use since Sept. 15, 1934.

Ser. No. 356,723. M. S. GRIFFLER IMPORT CO. INC., New York, N. Y. Filed Oct. 3, 1934.

Fairway



For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 356,742. RUST-OPPENHEIM, WAEGEN & CO. INC., New York, N. Y. Filed Oct. 3, 1934.

Guild Hall

GIN

The word "Gin" is disclaimed apart from the mark shown.
For Gin.
Claims use since Sept. 27, 1934.

Ser. No. 356,821. SILVER SWAN LIQUOR CORPORATION, San Francisco, Calif. Filed Oct. 5, 1934.

Gold Bar

For Straight Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 356,893. BON TON, INCORPORATED, Chicago, Ill. Filed Oct. 9, 1934.

CREAM OF THE STILL

Applicant makes no claim to the word "Still" apart from the mark.
For Whiskey.
Claims use since Sept. 19, 1934.

Ser. No. 356,894. BON TON, INCORPORATED, Chicago, Ill. Filed Oct. 9, 1934.

FOLK LORE

For Whiskey.
Claims use since Oct. 4, 1934.

Ser. No. 356,895. BON TON, INCORPORATED, Chicago, Ill. Filed Oct. 9, 1934.

Kentucky Crest

For Whiskey.
Claims use since Apr. 27, 1934.

Ser. No. 356,971. SILVER SWAN LIQUOR CORPORATION, San Francisco, Calif. Filed Oct. 10, 1934.



"Zach" Taylor

The portrait is that of Zachary Taylor, a deceased President of the United States.
For Whiskey.
Claims use since May 19, 1934.

Ser. No. 357,192. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Oct. 17, 1934.



For Whiskey.
Claims use since 1902.

Ser. No. 357,212. A. & S. MALT EXTRACT CO., Chicago, Ill. Filed Oct. 18, 1934.

Happy Pals

For Whiskey.
Claims use since Oct. 4, 1934.

Ser. No. 357,219. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1934.

MYONNE

For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,220. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1934.

OLD VARSITY

For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,221. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1934.

SUPERBA

For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,230. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

ANGLER'S CLUB

The word "Club" is disclaimed apart from the mark shown.
For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,231. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

DINTY'S

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,232. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

FISHING CLUB

The word "Club" is disclaimed apart from the mark.
For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,233. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

LEDGEDALE

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,234. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

MINNOW CREEK

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,235. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

OAK GROVE

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,236. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

SPORT CLUB

The word "Club" is disclaimed apart from the mark.
For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Codials.
Claims use since Oct. 6, 1934.

Ser. No. 357,237. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1934.

UNIVERSAL

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,264. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 18, 1934.



For Whiskey.
Claims use since Oct. 3, 1934.

Ser. No. 357,265. JOHN A. WATHEN DISTILLERY CO., INCORPORATED, Louisville and Lebanon, Ky. Filed Oct. 18, 1934.

GOLDEN POND

For Whiskey.
Claims use since Oct. 3, 1934.

Ser. No. 357,273. CONSOLIDATED WINE & SPIRIT CORP., Los Angeles, Calif. Filed Oct. 19, 1934.

LA POMPADOUR

For Cocktails.
Claims use since Oct. 3, 1934.

Ser. No. 357,274. CONSOLIDATED WINE & SPIRIT CORP., Los Angeles, Calif. Filed Oct. 19, 1934.

SILVER Lining

For Gin.
Claims use since Jan. 12, 1934.

Ser. No. 357,276. DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.



For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,278. DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Kentucky Lane

For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,280. DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

"Old" (100)

For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,288. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

BLACK JEWEL

For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,289. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Broadmoor

For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,291. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Golden Bar
Straight Whiskey

The words "Straight Whiskey" are disclaimed apart from the mark.
For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,294. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Louisville Belle

For Whiskey.
Claims use since Dec. 13, 1933.

Ser. No. 357,295. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Merrydale

For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,297. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.



The picture is fanciful.
For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,298. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Still Water
Straight Whiskey

The words "Straight Whiskey" are disclaimed apart from the mark.
For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,299. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.



For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,300. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

West Manor

For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,356. JOS. E. SEAGRAM & SONS, INC., Lawrenceburg, Ind. Filed Oct. 20, 1934.

"Time Works Wonders"

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July 5, 1930.

Ser. No. 357,367. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Oct. 22, 1934.

THE SPIRIT OF THE NATION

For Ethyl Alcohol, Grain Alcohol, Pure Commercial Ethyl Alcohol, and Anhydrous Ethyl Alcohol.
Claims use since 1922.

Ser. No. 357,389. PACIFIC BEVERAGE DISTRIBUTORS, LTD., Los Angeles, Calif. Filed Oct. 22, 1934.

SUTTER'S MILL

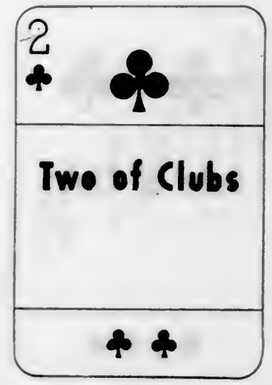
For Whiskey.
Claims use since Sept. 26, 1934.

Ser. No. 357,403. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



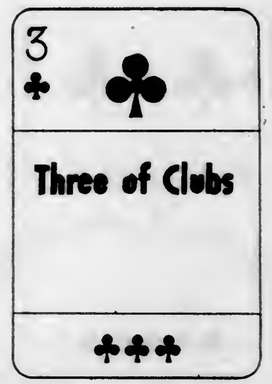
For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,404. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,405. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,406. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,407. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



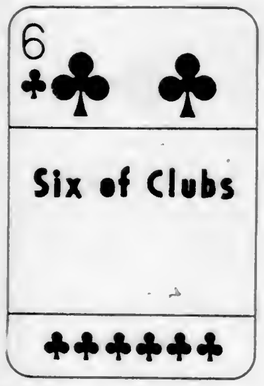
For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,408. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



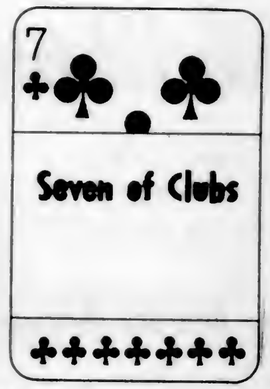
For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,409. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



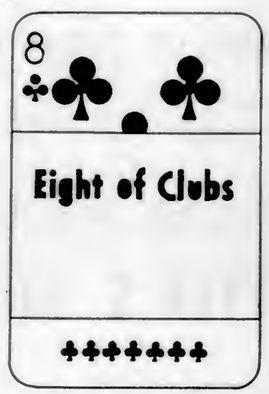
For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,410. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



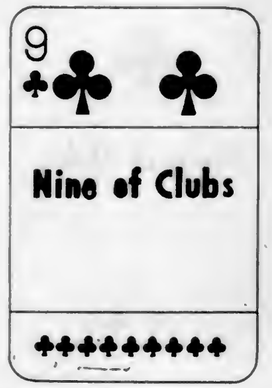
For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,411. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,412. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,413. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Oct. 22, 1934.



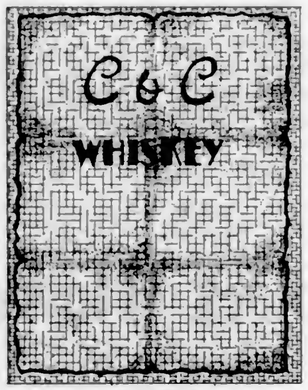
For Whiskey.
Claims use since Oct. 10, 1934.

Ser. No. 357,414. THE THOMAS WARD DISTILLING COMPANY INCORPORATED, Westminster, Md. Filed Oct. 22, 1934.

MARYLAND SPRINGS

For Whiskey.
Claims use since Oct. 9, 1934.

Ser. No. 357,420. COUNTRY CLUB SODA CO., INC., Springfield, Mass. Filed Oct. 23, 1934.



The drawing is shaded to represent the colors, black, yellow or gold, and red; the letters "C & C" being black; the border of the label being yellow or gold; the wavy line adjacent the yellow border being red; the background of the label being shaded to represent light yellow and partially stippled to represent a slightly darker, or gray surface. No claim is made to the word "Whiskey," apart from the mark, as shown.

For Whiskey.
Claims use since Dec. 1, 1933.

Ser. No. 357,422. B. CRIBARI & SONS, INC., doing business as B. Cribari & Sons, San Jose, Calif. Filed Oct. 23, 1934.

SUN DOWN

For Brandies.
Claims use since Sept. 28, 1934.

Ser. No. 357,428. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 23, 1934.

F I

For Brandy.
Claims use since Oct. 15, 1934.

Ser. No. 357,429. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Oct. 23, 1934.



For Brandy.
Claims use since Oct. 9, 1934.

Ser. No. 357,430. GOODMAN & BEER CO., INC., New Orleans, La. Filed Oct. 23, 1934.



For Whiskey.
Claims use since Apr. 7, 1934.

Ser. No. 357,433. GOODMAN & BEER CO., INC., New Orleans, La. Filed Oct. 23, 1934.

FOREMOST

For Whiskey.
Claims use since July 19, 1934.

Ser. No. 357,434. GOODMAN & BEER CO., INC., New Orleans, La. Filed Oct. 23, 1934.

GLADIATOR

For Whiskey.
Claims use since July 23, 1934.

Ser. No. 357,439. THE HELLMAN COMPANY, INC., St. Louis, Mo. Filed Oct. 23, 1934.

ESTABLISHED 1863

For Whiskey.
Claims use since 1863.

Ser. No. 357,455. JOSEPH S. FINCH AND COMPANY, Schenley, Pa. Filed Oct. 24, 1934.

BRETTON HALL

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 27, 1934.

Ser. No. 357,474. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind. Filed Oct. 24, 1934.

MAID O' the MIST

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 11, 1934.

Ser. No. 357,482. ALASKA DISTRIBUTORS, INC., Seattle, Wash. Filed Oct. 25, 1934.

GRUBSTAKE

For Whiskies, Distilled Gin, and Brandies.
Claims use since Sept. 29, 1934.

Ser. No. 357,483. ALASKA DISTRIBUTORS, INC., Seattle, Wash. Filed Oct. 25, 1934.

OLD SOURDOUGH

For Whiskies, Distilled Gin, and Brandies.
Claims use since Sept. 29, 1934.

Ser. No. 357,490. JOSEPH S. FINCH AND COMPANY, Schenley, Pa. Filed Oct. 25, 1934.

RYEFIELD

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 27, 1934.

Ser. No. 357,502. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Oct. 25, 1934.

Bottled Gold

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Apr. 6, 1934.

Ser. No. 357,504. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Oct. 25, 1934.



For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Apr. 12, 1934.

Ser. No. 357,532. CENTURY DISTILLING COMPANY, Peoria, Ill. Filed Oct. 26, 1934.

Golden Harvest

For Whiskey.
Claims use since Sept. 26, 1934.

Ser. No. 357,533. CENTURY DISTILLING COMPANY, Peoria, Ill. Filed Oct. 26, 1934.

Sip O'Gold

For Whiskey.
Claims use since Sept. 26, 1934.

Ser. No. 357,535. COLLEGE INN FOOD PRODUCTS CO., Chicago, Ill. Filed Oct. 26, 1934.

COLLEGE INN

For Apricot Liqueur, Anise Liqueur, Cocoa Liqueur, Orange Liqueur, Peppermint Liqueur, Kümmel, and Dry Distilled Gin.
Claims use since 1905.

Ser. No. 357,536. COLONIAL DISTILLING & DISTRIBUTING Corporation, New York, N. Y. Filed Oct. 26, 1934.

FIRST DOWN

For Whiskey.
Claims use since Oct. 19, 1934.

Ser. No. 357,537. COLONIAL DISTILLING & DISTRIBUTING Corporation, New York, N. Y. Filed Oct. 26, 1934.

PISCO CARAMBA

No claim is made to the word "Pisco" apart from the mark shown.
For Cocktails and Distilled Liquors Containing Brandy.
Claims use since Oct. 20, 1934.

Ser. No. 357,539. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 26, 1934.

GOOD CHEER

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 11, 1934.

Ser. No. 357,540. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 26, 1934.

YOURS TRULY

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Oct. 11, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 356,057. STONE STRAW CORPORATION, Washington, D. C. Filed Sept. 14, 1934.



The picture is fanciful.
For Drinking Straws.
Claims use since Mar. 1, 1923.

Ser. No. 356,430. WELLINGTON SEARS COMPANY, Boston, Mass. Filed Sept. 25, 1934.

STORM-KLAD

For Treated Cotton Piece Goods.
Claims use since Aug. 29, 1932.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 27, 1934

319,416. LADIES' SUITS AND COATS. I. J. RUBIN-RICHARD HOLSTEN, New York, N. Y.
Filed July 6, 1934. Serial No. 353,582. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,417. TWINE MADE OF COTTON YARN. ROCKY MOUNT MILLS, Rocky Mount, N. C.
Filed July 5, 1934. Serial No. 353,556. PUBLISHED SEPTEMBER 25, 1934. Class 7.

319,418. WINES. MARCIAL SAMPER FERRANDIZ, Alicante, Spain.
Filed July 5, 1934. Serial No. 353,510. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,419. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed July 3, 1934. Serial No. 353,477. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,420. FUR SKINS. SCHECHTER-GUINSBERG, INC., New York, N. Y.
Filed July 2, 1934. Serial No. 353,448. PUBLISHED SEPTEMBER 18, 1934. Class 1.

319,421. DETERGENTS COMPRISED IN WHOLE OR IN PART OF SODIUM PHOSPHATES. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed June 30, 1934. Serial No. 353,395. PUBLISHED SEPTEMBER 18, 1934. Class 4.

319,422. CADMIUM METAL IN ITS VARIOUS COMMERCIAL FORMS, CADMIUM ANODES, INDIUM METAL, ZINC METAL IN ITS VARIOUS COMMERCIAL FORMS, ZINC ANODES, AND BATTERY ZINC. THE GRASSELLI CHEMICAL COMPANY, Cleveland Ohio.
Filed June 30, 1934. Serial No. 353,394. PUBLISHED SEPTEMBER 18, 1934. Class 14.

319,423. BAKERY PRODUCTS — NAMELY, PIES, CAKES, COOKIES, DOUGHNUTS, AND ROLLS. GOOD HUMOR CORPORATION OF AMERICA, INC., Brooklyn, N. Y.
Filed June 30, 1934. Serial No. 353,392. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,424. DAIRY PRODUCTS—NAMELY, CHEESE, BUTTER, AND EGGS. GOOD HUMOR CORPORATION OF AMERICA, INC., Brooklyn, N. Y.
Filed June 30, 1934. Serial No. 353,390. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,425. NUTS, DATES, LAYER FIGS, AND DRIED AND PARTIALLY DRIED FRUITS SUCH AS APRICOTS AND PRUNES. GOOD HUMOR CORPORATION OF AMERICA, INC., Brooklyn, N. Y.
Filed June 30, 1934. Serial No. 353,388. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,426. FOOT EXERCISERS. HENRY S. GARTNER, Brooklyn, N. Y.
Filed June 29, 1934. Serial No. 353,326. PUBLISHED SEPTEMBER 25, 1934. Class 44.

319,427. FELT BASE RUGS, MATS, AND FLOOR COVERING. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed August 22, 1934. Serial No. 355,297. PUBLISHED SEPTEMBER 25, 1934. Class 20.

319,428. FELT BASE RUGS, MATS, AND FLOOR COVERING. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed August 22, 1934. Serial No. 355,295. PUBLISHED SEPTEMBER 25, 1934. Class 20.

319,429. MALT BEVERAGES OF LEGAL ALCOHOLIC CONTENT. FREE STATE BREWERY CORPORATION, Baltimore, Md.
Filed August 21, 1934. Serial No. 355,255. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,430. CANDY, MARSHMALLOWS, SUGAR WAFERS, AND MACAROONS. FEDERAL SWEETS & WAFER CO., INC., Brooklyn, N. Y.
Filed August 21, 1934. Serial No. 355,252. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,431. BRIDGE SCORE INDICATORS. SPEIDEL CORPORATION, Providence, R. I.
Filed August 20, 1934. Serial No. 355,238. PUBLISHED SEPTEMBER 25, 1934. Class 22.

319,432. BEER. PILSEN BREWING COMPANY, Chicago, Ill.
Filed August 20, 1934. Serial No. 355,232. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,433. COIN CONTROLLED AMUSEMENT DEVICE. INTERNATIONAL MUTOSCOPE REEL CO. INC., New York, N. Y.
Filed August 20, 1934. Serial No. 355,192. PUBLISHED SEPTEMBER 25, 1934. Class 22.

319,434. FRESH VEGETABLES. THE MERRILL PACKING COMPANY, INC., LTD., Salinas, Calif.
Filed August 20, 1934. Serial No. 355,225. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,435. CARAMEL CANDY. BORDEN'S MILK PRODUCTS COMPANY, INC., New York, N. Y.
Filed August 18, 1934. Serial No. 355,138. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,436. TOY FURNITURE. THE S. H. DAVIS PAPER BOX CO., Toledo, Ohio.
Filed August 17, 1934. Serial No. 355,096. PUBLISHED SEPTEMBER 18, 1934. Class 22.

319,437. GAMES FOR CHILDREN AND ADULTS PLAYED ON GRAPHIC BOARD THROUGH THE USE OF DICE OR SPINNERS. O. B. ANDREWS COMPANY, Chattanooga, Tenn.
Filed August 16, 1934. Serial No. 355,090. PUBLISHED SEPTEMBER 18, 1934. Class 22.

319,438. WINES. MARQUÉS DEL REAL TESORO Y COMPAÑIA, Jerez de la Frontera, Spain.
Filed August 16, 1934. Serial No. 355,072. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,439. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. PREMIER SHOE CO. INC., Long Island City, N. Y.
Filed July 20, 1934. Serial No. 354,136. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,440. COAL. THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio.
Filed August 10, 1934. Serial No. 354,879. PUBLISHED SEPTEMBER 25, 1934. Class 1.

319,441. PAPER BOARD. THE GARDNER-RICHARDSON COMPANY, Middletown, Ohio.
Filed August 4, 1934. Serial No. 354,651. PUBLISHED SEPTEMBER 18, 1934. Class 37.

319,442. CALCULATING MACHINES, PARTS THEREOF AND ACCESSORIES THEREFOR. AKTIEBOLAGET FACIT, Atvidaberg, Sweden.
Filed August 3, 1934. Serial No. 354,592. PUBLISHED SEPTEMBER 18, 1934. Class 26.

319,443. BEER. THE KRANTZ BREWING COMPANY, Findlay, Ohio.
Filed August 6, 1934. Serial No. 354,685. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,444. VERMOUTH. JULES DEJEAN, doing business as A. Dejean, Sete, Herault, France.
Filed July 17, 1934. Serial No. 353,980. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,445. LEATHER INCLUDING GLAZED KID. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.; Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Rochester, N. Y.; Chicago, Ill.
Filed July 17, 1934. Serial No. 353,974. PUBLISHED SEPTEMBER 18, 1934. Class 1.

319,446. LEATHER INCLUDING GLAZED KID. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.; Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Rochester, N. Y.; Chicago, Ill.
Filed July 17, 1934. Serial No. 353,973. PUBLISHED SEPTEMBER 18, 1934. Class 1.

319,447. MOTION-PICTURE PHOTOPLAYS. UNIVERSAL PICTURES CORPORATION, New York, N. Y.
Filed July 16, 1934. Serial No. 353,959. PUBLISHED SEPTEMBER 18, 1934. Class 26.

319,448. FOODS FOR FISH. ABRAHAM GOLDBERG, doing business as Pet Shop Products Company, Yonkers, N. Y.
Filed July 16, 1934. Serial No. 353,923. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,449. COCOA AND CHOCOLATE. DAVID PENDER GROCERY CO., Norfolk, Va.
Filed July 14, 1934. Serial No. 353,901. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,450. RED SHEET PACKING CONSISTING FOR THE MOST PART OF RUBBER WITH A MIXTURE OF LAMP BLACK AND MINERAL PIGMENT. HENDRIE & BOLTHOFF MANUFACTURING AND SUPPLY COMPANY, Denver, Colo.
Filed July 14, 1934. Serial No. 353,892. PUBLISHED SEPTEMBER 18, 1934. Class 35.

319,451. BEER. COLUMBIA BREWING COMPANY, St. Louis, Mo.
Filed July 14, 1934. Serial No. 353,879. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,452. LADIES' SILK HOSIERY. MAXIMILIAN J. THOMULKA, South Langhorne, Pa.
Filed July 12, 1934. Serial No. 353,827. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,453. SPONGES OF ALL KINDS. CHRIS RUSSELL, doing business as Deep Sea Sponge Company, Tarpon Springs, Fla.
Filed July 12, 1934. Serial No. 353,821. PUBLISHED SEPTEMBER 25, 1934. Class 1.

319,454. PASTES, POLISHES, CREAMS, DRESSINGS, AND CLEANERS FOR SHOES CONSTRUCTED OF LEATHER, FABRIC, AND COMBINATIONS OF SUCH MATERIALS. YORK PHARMACAL COMPANY, doing business as The York Co., St. Louis, Mo.
Filed July 11, 1934. Serial No. 353,783. PUBLISHED SEPTEMBER 18, 1934. Class 4.

319,455. BUTTER, COFFEE, CONDENSED MILK, MUSTARD, OATMEAL, OLEOMARGARINE, PEANUT BUTTER, RICE, SOUP, SPAGHETTI, SUGAR, TEA, AND CHOCOLATE. WORCESTER SALT COMPANY, New York, N. Y.
Filed July 11, 1934. Serial No. 353,782. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,456. BASE METAL WASH BASINS, DISH PANS, COMBINETS, AND STOCK POTS. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind.
Filed July 11, 1934. Serial No. 353,780. PUBLISHED SEPTEMBER 18, 1934. Class 13.

319,457. GLASS SUGAR CONTAINERS. REINER PRODUCTS INC., New York, N. Y.
Filed July 10, 1934. Serial No. 353,727. PUBLISHED SEPTEMBER 18, 1934. Class 33.

319,458. CYLINDERS, TUBES, RODS, BLOCKS, SHEETS AND THE LIKE MADE OF OR CONTAINING CAST PHENOL-FORMALDEHYDE CONDENSATION PRODUCTS AND SIMILAR SYNTHETIC RESINS OR CONDENSATION PRODUCTS. CELLULOID CORPORATION, Newark, N. J.
Filed July 10, 1934. Serial No. 353,705. PUBLISHED SEPTEMBER 18, 1934. Class 1.

319,459. VERMOUTH. ARTHUR G. MEYER, New York, N. Y.
Filed July 9, 1934. Serial No. 353,665. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,460. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed July 9, 1934. Serial No. 353,656. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,461. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. GLENDALE BEVERAGE CO., Kansas City, Mo.
Filed July 9, 1934. Serial No. 353,646. PUBLISHED SEPTEMBER 25, 1934. Class 45.

319,462. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. GLENDALE BEVERAGE CO., Kansas City, Mo.
Filed July 9, 1934. Serial No. 353,645. PUBLISHED SEPTEMBER 25, 1934. Class 45.

319,463. PINS AND SNAP-FASTENERS. GERSHON & SCHREIBER, New York, N. Y.
Filed July 9, 1934. Serial No. 353,643. PUBLISHED SEPTEMBER 18, 1934. Class 40.

319,464. MOCCASIN LACES, BOOT AND SHOE LACES, LACES FOR ATHLETIC GOODS, BALLS, GLOVES, ETC. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,319. PUBLISHED SEPTEMBER 18, 1934. Class 40.

319,465. MEMORANDUM AND APPOINTMENT BOOKS. CLARENCE H. MANZLER, doing business as Manzler Memo-Chart Company, Rochester, N. Y.
Filed July 24, 1934. Serial No. 354,254. PUBLISHED SEPTEMBER 18, 1934. Class 37.

319,466. MOISTURE PROOF, SELF-SEALING FLAT WRAPPER. MARATHON PAPER MILLS COMPANY, Rothschild, Wis.
Filed July 23, 1934. Serial No. 354,211. PUBLISHED SEPTEMBER 18, 1934. Class 37.

319,467. KEY CONTAINERS. GALTER AND WALLER, Chicago, Ill.
Filed July 23, 1934. Serial No. 354,202. PUBLISHED SEPTEMBER 25, 1934. Class 3.

319,468. UNBLEACHED, BLEACHED, DYED, AND COLORED COTTON DUCKS AND DRILLS, AWNING STRIPE, AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATION OF COTTON AND LINEN IN THE PIECE. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y.
Filed July 23, 1934. Serial No. 354,188. PUBLISHED SEPTEMBER 18, 1934. Class 42.

319,469. SALT. WORCESTER SALT CO., New York, N. Y.
Filed July 20, 1934. Serial No. 354,146. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,470. TRANSFORMERS. KENYON TRANSFORMER CO. INC., New York, N. Y.
Filed July 20, 1934. Serial No. 354,123. PUBLISHED SEPTEMBER 18, 1934. Class 21.

319,471. SOAP FOR DOGS. THE MERCIREX COMPANY, Milford, Del.
Filed July 18, 1934. Serial No. 354,048. PUBLISHED SEPTEMBER 18, 1934. Class 4.

319,472. METAL PACKINGS FOR MOVING PARTS OF MACHINERY. DURAMETALLIC CORPORATION, Kalamazoo, Mich.
Filed July 18, 1934. Serial No. 354,032. PUBLISHED SEPTEMBER 18, 1934. Class 35.

319,473. COMBS FOR THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed July 18, 1934. Serial No. 354,017. PUBLISHED SEPTEMBER 18, 1934. Class 40.

319,474. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed December 5, 1933. Serial No. 344,460. PUBLISHED FEBRUARY 13, 1934. Class 37.

319,475. STORAGE BATTERIES. MONARK BATTERY COMPANY, INC., Chicago, Ill.
Filed December 13, 1933. Serial No. 344,914. PUBLISHED SEPTEMBER 18, 1934. Class 21.

319,476. TOILET PREPARATION IN LIQUID FORM FOR USE AFTER SHAVING, AFTER THE BATH, AND AT OTHER TIMES TO PRESERVE AND BEAUTIFY THE SKIN AND COMPLEXION. CAMPANA CORPORATION, Batavia, Ill.
Filed January 2, 1934. Serial No. 345,536. PUBLISHED FEBRUARY 20, 1934. Class 6.

319,477. FRESH VEGETABLES AND FRESH CITRUS FRUITS. FRANK JILL OF FLORIDA, INC., Fort Lauderdale, Fla.
Filed January 4, 1934. Serial No. 345,653. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,478. WINE. SOCIEDAD VINICOLA, S. & L. DURLACHER, Hamburg, Germany.
Filed January 9, 1934. Serial No. 345,810. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,479. MOPS AND DUSTERS. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed May 18, 1932. Serial No. 327,222. PUBLISHED AUGUST 23, 1932. Class 29.

319,480. WINES. FRATELLI BORGHINI FU AUGUSTO, Certaldo, Italy.
Filed January 19, 1934. Serial No. 346,242. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,481. MACARONI PRODUCTS WHICH INCLUDE MACARONI, SPAGHETTI, ELBOW MACARONI, AND EGG NOODLES. A. C. KRUMM & SON MACARONI COMPANY, Philadelphia, Pa.
Filed January 19, 1934. Serial No. 346,244. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,482. STILL WINES. ALLIANCE DISTRIBUTORS, INC., New York, N. Y.
Filed January 26, 1934. Serial No. 346,542. PUBLISHED MARCH 20, 1934. Class 47.

319,483. GINGER ALE. PHILLIPS BROTHERS, Baltimore, Md.
Filed January 26, 1934. Serial No. 346,593. PUBLISHED APRIL 3, 1934. Class 45.

319,484. PAINT PRODUCTS—NAMELY, ENAMEL, FLATS, HOUSE PAINTS, LACQUER, VARNISH, COLOR IN JAPAN, COLOR IN OIL. CHAS. S. SMITH, doing business as C. S. Smith Company, Los Angeles, Calif.
Filed January 29, 1934. Serial No. 346,711. PUBLISHED SEPTEMBER 18, 1934. Class 16.

319,485. PRINTING PAPER. THE CHAMPION COATED PAPER COMPANY, Hamilton, Ohio.
Filed February 14, 1934. Serial No. 347,331. PUBLISHED SEPTEMBER 18, 1934. Class 37.

319,486. ALES, BEERS, LAGERS, PORTERS, AND STOUTS, OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. CARLING BREWERIES LIMITED, London, Ontario, Canada.
Filed February 19, 1934. Serial No. 347,542. PUBLISHED SEPTEMBER 18, 1934. Class 48.

319,487. LEATHER. PETER BARAN & SONS, INC., Harrison, N. J.
Filed February 24, 1934. Serial No. 347,780. PUBLISHED SEPTEMBER 25, 1934. Class 1.

319,488. FRESH CITRUS FRUITS. VICTORIA AVENUE CITRUS ASSOCIATION, Riverside, Calif.
Filed March 12, 1934. Serial No. 348,532. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,489. MACHINERY SHAFT COUPLINGS. MORSE CHAIN COMPANY, Detroit, Mich.
Filed March 13, 1934. Serial No. 348,549. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,490. COFFEE. WOODWARD & LOTHROP, Washington, D. C.
Filed August 10, 1934. Serial No. 354,881. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,491. RAZORS AND RAZOR BLADES. CONTINENTAL BLADE CORPORATION, Brooklyn, N. Y.
Filed August 11, 1934. Serial No. 354,893. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,492. OPTICAL FRAMES AND MOUNTINGS. NEW JERSEY OPTICAL COMPANY, Newark, N. J.
Filed August 11, 1934. Serial No. 354,906. PUBLISHED SEPTEMBER 18, 1934. Class 26.

319,493. CANNED GRAPEFRUIT JUICE FOR BEVERAGE PURPOSES. PERFECT PACKERS, Tampa, Fla.
Filed August 11, 1934. Serial No. 354,907. PUBLISHED SEPTEMBER 18, 1934. Class 45.

319,494. RAW AND PARTLY-PREPARED ARTIFICIAL TEXTILE FIBERS SUITABLE FOR THE PURPOSE OF SPINNING THEM INTO THREADS AND YARNS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed August 13, 1934. Serial No. 354,929. PUBLISHED SEPTEMBER 25, 1934. Class 1.

319,495. CONFECTION DIPPER. PERFECTION EQUIPMENT COMPANY, Kansas City, Mo.
Filed August 13, 1934. Serial No. 354,946. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,496. BED SPRINGS OR THE LIKE CONTAINING SPIRALLY COILED SPRINGS. GREENPOINT METALLIC BED CO., INC., Brooklyn, N. Y.
Filed August 14, 1934. Serial No. 354,987. PUBLISHED SEPTEMBER 18, 1934. Class 32.

319,497. METAL CRAYON BOXES. J. L. HAMMETT COMPANY, Cambridge, Mass., and Newark, N. J.
Filed August 14, 1934. Serial No. 354,994. PUBLISHED SEPTEMBER 18, 1934. Class 2.

319,498. CHAIRS, STOOLS, TABLES, GLIDERS, AND SWINGS FOR HOUSEHOLD AND OFFICE USE. THE MCKAY COMPANY, Pittsburgh, Pa.
Filed August 14, 1934. Serial No. 354,997. PUBLISHED SEPTEMBER 18, 1934. Class 32.

319,499. SEWING MACHINE PARTS AND ATTACHMENTS, AND PARTICULARLY PRESSER-FEET FOR SEWING MACHINES. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y.
Filed August 14, 1934. Serial No. 355,001. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,500. ELECTRIC PERMANENT HAIR-WAVING MACHINES AND PARTS THEREOF AND PERMANENT WAVING PADS. SAMUEL BONAT & BRO., New York, N. Y.
Filed August 16, 1934. Serial No. 355,054. PUBLISHED SEPTEMBER 25, 1934. Class 44.

319,501. BEER. G. HEILEMAN BREWING CO., La Crosse, Wis.
Filed August 16, 1934. Serial No. 355,063. PUBLISHED SEPTEMBER 18, 1934. Class 48.

319,502. ADHESIVES—NAMELY, LIQUID PASTE, LIBRARY PASTE, AND MUCILAGE. RUXTON PRODUCTS, INC., New York, N. Y.
Filed August 10, 1934. Serial No. 354,872. PUBLISHED SEPTEMBER 25, 1934. Class 5.

319,503. ADHESIVE PLASTER, BANDAGE PLASTER, AND FOOT PLASTER. THE SCHOLL MFG. CO. INC., Chicago, Ill.
Filed August 9, 1934. Serial No. 354,810. PUBLISHED SEPTEMBER 25, 1934. Class 44.

319,504. SAFETY MATCHES. AMTORG TRADING CORPORATION, New York, N. Y.
Filed August 9, 1934. Serial No. 354,787. PUBLISHED SEPTEMBER 25, 1934. Class 9.

319,505. TENNIS RACKETS. HORACE W. HALL, Newton Center, Mass.
Filed August 8, 1934. Serial No. 354,748. PUBLISHED SEPTEMBER 18, 1934. Class 22.

319,506. HAMBURGER SANDWICHES. BROOME'S, INCORPORATED, Seattle, Wash.
Filed August 7, 1934. Serial No. 354,720. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,507. BEER. OVERLAND BEVERAGE COMPANY, INC., Nampa, Idaho.
Filed August 6, 1934. Serial No. 354,716. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,508. BASE BALLS AND BASE BALL COVERS. J. DE BEER & SON, Albany, N. Y.
Filed August 2, 1934. Serial No. 354,588. PUBLISHED SEPTEMBER 25, 1934. Class 22.

319,509. BASE BALLS AND BASE BALL COVERS. J. DE BEER & SON, Albany, N. Y.
Filed August 2, 1934. Serial No. 354,587. PUBLISHED SEPTEMBER 25, 1934. Class 22.

319,510. FERTILIZER AND FERTILIZER MATERIALS. WILSON & TOOMER FERTILIZER CO., Jacksonville, Fla.
Filed August 2, 1934. Serial No. 354,586. PUBLISHED SEPTEMBER 18, 1934. Class 10.

319,511. SEWING MACHINES AND ATTACHMENTS. THE NEW HOME SEWING MACHINE COMPANY, Rockford, Ill.
Filed August 2, 1934. Serial No. 354,572. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,512. LINERS FOR CLOSURE CAPS. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va.
Filed August 2, 1934. Serial No. 354,565. PUBLISHED SEPTEMBER 18, 1934. Class 35.

319,513. RAZOR BLADES AND RAZORS. PONTIAC RAZOR BLADE CO., New York, N. Y.
Filed August 1, 1934. Serial No. 354,521. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,514. WAX POLISH. MIEROLIKE MFG. CO., INC., Long Island City, N. Y.
Filed August 1, 1934. Serial No. 354,517. PUBLISHED SEPTEMBER 18, 1934. Class 16.

319,515. CHAMPAGNE WINES. MAISON MOËT & CHANDON FONDEE EN 1743, SOCIÉTÉ ANONYME, Epernay, France.
Filed August 1, 1934. Serial No. 354,513. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,516. SECTION OF A WEEKLY MOTION-PICTURE MAGAZINE. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y.
Filed June 25, 1934. Serial No. 353,145. PUBLISHED SEPTEMBER 18, 1934. Class 38.

319,517. MONTHLY MOTION-PICTURE MAGAZINE. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y.
Filed June 25, 1934. Serial No. 353,146. PUBLISHED SEPTEMBER 18, 1934. Class 38.

319,518. CANNED CITRUS FRUIT JUICES FOR BEVERAGE PURPOSES. GULF CANNERS, Tampa, Fla.
Filed June 26, 1934. Serial No. 353,173. PUBLISHED SEPTEMBER 18, 1934. Class 45.

319,519. NURSERY STOCK—NAMELY, APPLE TREES, CHERRY TREES, AND ROSE PLANTS. STARK BRO'S NURSERIES & ORCHARDS CO., Louisiana, Mo.
Filed June 26, 1934. Serial No. 353,186. PUBLISHED SEPTEMBER 18, 1934. Class 1.

319,520. SUGAR CONES AND WAFFLES. S. & S. CONE CORPORATION, New York, N. Y.
Filed June 27, 1934. Serial No. 353,239. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,521. BEER, PORTER, ALE, STOUT, AND EXTRACTS FOR MAKING THE SAME. JOSEPH TETLEY & CO., INC., New York, N. Y.
Filed June 27, 1934. Serial No. 353,244. PUBLISHED SEPTEMBER 18, 1934. Class 48.

319,522. WATCH CASES. SCHWAB & WUISCHPARD, New York, N. Y.
Filed June 27, 1934. Serial No. 353,251. PUBLISHED SEPTEMBER 25, 1934. Class 27.

319,523. DECORATIVE WRAPPERS FOR EASTER EGGS. PAAS DYE COMPANY, Newark, N. J.
Filed June 28, 1934. Serial No. 353,296. PUBLISHED SEPTEMBER 18, 1934. Class 37.

319,524. CABINET FOR DISPENSING PAPER BAGS. ZIP MANUFACTURING CO., Buffalo, N. Y.
Filed June 28, 1934. Serial No. 353,313. PUBLISHED SEPTEMBER 18, 1934. Class 2.

319,525. ICING SUGAR, GRANULATED SUGAR, POWDERED SUGAR, AND LOAF SUGAR. WHITE SATIN MILLS CORPORATION, Minneapolis, Minn.
Filed June 30, 1928. Serial No. 268,944. PUBLISHED NOVEMBER 27, 1928. Class 46.

319,526. LUBRICATING OILS. ILLINOIS FARM SUPPLY COMPANY, Chicago, Ill.
Filed October 22, 1932. Serial No. 331,485. PUBLISHED DECEMBER 27, 1932. Class 15.

319,527. NONALCOHOLIC, MALTLESS FRUIT JUICES SOLD AS SOFT DRINKS. HOLLYWOOD'S POMEGRANATE JUICE CO., Chicago, Ill.
Filed April 28, 1933. Serial No. 337,281. PUBLISHED SEPTEMBER 18, 1934. Class 45.

319,528. GAGE AND INDICATING INSTRUMENTS FOR DISCLOSING ITEMS OF ENGINE AND DRIVING PERFORMANCE AS IN MOTOR VEHICLES—NAMELY, SPEED, TEMPERATURE, FUEL, AND LUBRICANT CONDITIONS. SCHWARZE ELECTRIC COMPANY, Adrian, Mich.
Filed June 14, 1933. Serial No. 338,851. PUBLISHED SEPTEMBER 18, 1934. Class 26.

319,529. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. HARVARD BREWING CO., Lowell, Mass.
Filed July 6, 1933. Serial No. 339,521. PUBLISHED AUGUST 15, 1933. Class 48.

319,530. ZINC-ALLOY FOR PHOTO ENGRAVERS' PLATES. ATLANTIC ZINC WORKS INC., New York, N. Y.
Filed August 1, 1934. Serial No. 354,501. PUBLISHED SEPTEMBER 25, 1934. Class 14.

319,531. MAPS. GULF REFINING COMPANY, Pittsburgh, Pa.
Filed July 30, 1934. Serial No. 354,442. PUBLISHED SEPTEMBER 18, 1934. Class 38.

319,532. CHEMICAL FERTILIZERS. THE BARRETT COMPANY, New York, N. Y.
Filed July 27, 1934. Serial No. 354,366. PUBLISHED SEPTEMBER 25, 1934. Class 10.

319,533. FLASHING. WEATHER-PROOF FLASHING CO., New Brunswick, N. J.
Filed July 25, 1934. Serial No. 354,331. PUBLISHED SEPTEMBER 18, 1934. Class 12.

319,534. WINES. PACIFIC COAST WINERIES, INC., Los Angeles, Calif.
Filed August 10, 1934. Serial No. 354,867. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,535. HAND BAGS. SOL MUTTERPERL, INC., New York, N. Y.
Filed August 10, 1934. Serial No. 354,854. PUBLISHED SEPTEMBER 25, 1934. Class 3.

319,536. FLOWER AND VEGETABLE SEEDS. FREDONIA SEED CO., INC., Fredonia, N. Y.
Filed August 10, 1934. Serial No. 354,844. PUBLISHED SEPTEMBER 25, 1934. Class 1.

319,537. WINES. BROCTON WINE CELLARS, INC., Brocton, N. Y.
Filed August 10, 1934. Serial No. 354,835. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,538. WINE. SUNNY HILL WINERIES, Chicago, Ill.
Filed August 9, 1934. Serial No. 354,814. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,539. SOAP. LOS ANGELES SOAP CO., doing business as White King Soap Co., Los Angeles, Calif.
Filed August 9, 1934. Serial No. 354,802. PUBLISHED SEPTEMBER 18, 1934. Class 4.

319,540. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. HARVARD BREWING CO., Lowell, Mass.
Filed July 6, 1933. Serial No. 339,524. PUBLISHED FEBRUARY 6, 1934. Class 48.

319,541. GOLF BALLS. ACUSHNET PROCESS COMPANY, Acushnet and New Bedford, Mass.
Filed July 14, 1933. Serial No. 339,744. PUBLISHED SEPTEMBER 18, 1934. Class 22.

319,542. BREAD, FAMILY FLOUR, BREAD FLOUR, AND PASTRY FLOUR. THE OHIO FARMERS' GRAIN & SUPPLY ASSOCIATION, Fostoria, Ohio.
Filed July 24, 1933. Serial No. 340,053. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,543. OIL FOR USE IN DOMESTIC RANGES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed July 26, 1933. Serial No. 340,135. PUBLISHED SEPTEMBER 18, 1934. Class 15.

319,544. COLLAPSIBLE BOATS. JOSEPH ROSE, New York, N. Y.
Filed July 27, 1933. Serial No. 340,175. PUBLISHED SEPTEMBER 18, 1934. Class 19.

319,545. GASOLINE, LUBRICATING OIL, AND LUBRICATING GREASES. UNITED REFINING COMPANY, Warren, Pa.
Filed July 28, 1933. Serial No. 340,208. PUBLISHED SEPTEMBER 18, 1934. Class 15.

319,546. GASOLINE, LUBRICATING OIL, AND LUBRICATING GREASES. UNITED REFINING COMPANY, Warren, Pa.
Filed July 28, 1933. Serial No. 340,209. PUBLISHED SEPTEMBER 18, 1934. Class 15.

319,547. CIGARETTES. JULEP CIGARETTE COMPANY, Boston, Mass., assignor, by mesne assignments, to Julep Tobacco Company, Boston, Mass., a corporation of Massachusetts.
Filed August 7, 1933. Serial No. 340,476. PUBLISHED SEPTEMBER 25, 1934. Class 17.

319,548. OLIVE OIL. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed August 22, 1933. Serial No. 340,934. PUBLISHED SEPTEMBER 11, 1934. Class 46.

319,549. CARTRIDGES AND AMMUNITION. GAMBLE STORES, INC., Minneapolis, Minn.
Filed September 14, 1933. Serial No. 341,575. PUBLISHED OCTOBER 24, 1933. Class 9.

319,550. STORAGE BATTERIES. ALLIED BATTERY CORPORATION, Dayton, Ohio.
Filed November 23, 1933. Serial No. 344,035. PUBLISHED JANUARY 9, 1934. Class 21.

319,551. SPLICERS, CONNECTORS, COUPLINGS FOR CONNECTING EXPOSED BARE TROLLEY WIRES AND RAILS. THE OHIO BRASS CO., Mansfield, Ohio.
Filed April 10, 1934. Serial No. 349,789. PUBLISHED JUNE 12, 1934. Class 21.

319,552. ALE. RUETER AND COMPANY, Boston, Mass.
Filed April 10, 1934. Serial No. 349,790. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,553. WATER SOFTENING AND CLEANSING CHEMICAL FOR USE IN DISHWASHING AND OTHER WASHING AND CLEANSING OPERATIONS. CALGON, INC., Pittsburgh, Pa.
Filed April 17, 1934. Serial No. 350,086. PUBLISHED SEPTEMBER 18, 1934. Class 4.

319,554. STILL AND SPARKLING WINES. LES HOTELIERS ET RESTAURATEURS FRANCAIS, SOCIÉTÉ ANONYME, Paris, France.
Filed April 19, 1934. Serial No. 350,200. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,555. CIGARETTES AND CIGARS SOLD IN PACKAGES TOGETHER WITH PRINTED MATTER FOR HUMOROUS FORTUNE TELLING OR THE LIKE. HOWARD S. GROVE, doing business as Doc Grove's and as Smoke-O-Graph, Los Angeles, Calif.
Filed April 21, 1934. Serial No. 350,272. PUBLISHED SEPTEMBER 25, 1934. Class 17.

319,556. FRESH CITRUS FRUITS. WILDROSE ORCHARDS, Los Angeles, Calif.
Filed April 21, 1934. Serial No. 350,297. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,557. FRESH CITRUS FRUITS. WILDROSE ORCHARDS, Los Angeles, Calif.
Filed April 21, 1934. Serial No. 350,298. PUBLISHED SEPTEMBER 18, 1934. Class 46.

319,558. CIGARS. THE DEISEL-WEMMER GILBERT CORP., Detroit, Mich.
Filed May 2, 1934. Serial No. 350,793. PUBLISHED SEPTEMBER 25, 1934. Class 17.

319,559. NONPOISONOUS FLY-CATCHER PAPER. COTTE MANUFACTURING CO., INC., New York, N. Y.
Filed May 7, 1934. Serial No. 351,003. PUBLISHED SEPTEMBER 18, 1934. Class 50.

319,560. TENNIS SHOES. G. R. KINNEY CO., INC., New York, N. Y.
Filed May 17, 1934. Serial No. 351,467. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,561. ROTARY PRINTING PRESSES AND PARTS THEREOF. DUPLEX PRINTING PRESS CO., Battle Creek, Mich.
Filed May 28, 1934. Serial No. 351,972. PUBLISHED SEPTEMBER 18, 1934. Class 23.

319,562. PETROLEUM PRODUCTS—NAMELY, GASOLINE; KEROSENE; DISTILLATE FOR KEROSENE MAKING AND FOR INTERNAL COMBUSTION ENGINES IN PLACE OF GASOLINE, GAS OIL, FUEL OIL FOR INTERNAL COMBUSTION ENGINES SUCH AS DIESELS, AND FOR BOILER AND FURNACE OILS, LUBRICATING OILS, AND LUBRICATING GREASES. ENVOY PETROLEUM COMPANY, Long Beach, Calif.
Filed May 28, 1934. Serial No. 351,976. PUBLISHED SEPTEMBER 18, 1934. Class 15.

319,563. BOOTS, SHOES, AND SLIPPERS OF LEATHER AND FABRIC. HANAN & SON, INC., Brooklyn, N. Y.
Filed June 4, 1934. Serial No. 352,239. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,564. WINE. HERMAN A. KLUXEN, Madison, N. J.
Filed June 7, 1934. Serial No. 352,378. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,565. WINE. SCHROEDER BROS., INC., New York, N. Y.
Filed June 13, 1934. Serial No. 352,633. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,566. FILTERING APPARATUS AND DEVICES. AUSTIN GUDMUNDSEN, doing business as Gudmundsen-Stratton Laboratories, Milwaukee, Wis.
Filed June 8, 1934. Serial No. 352,438. PUBLISHED SEPTEMBER 18, 1934. Class 31.

319,567. CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed June 15, 1934. Serial No. 352,712. PUBLISHED SEPTEMBER 18, 1934. Class 17.

319,568. LAUNDRY WASHING MACHINES AND IRONING MACHINES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,731. PUBLISHED SEPTEMBER 25, 1934. Class 24.

319,569. ELECTRIC REFRIGERATING MACHINES AND PARTS THEREOF. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,734. PUBLISHED SEPTEMBER 25, 1934. Class 31.

319,570. WINES. CALIFORNIA GRAPE PRODUCTS COMPANY, LTD., San Francisco, Calif., and New York, N. Y.
Filed June 16, 1934. Serial No. 352,780. PUBLISHED SEPTEMBER 18, 1934. Class 47.

319,571. OILS USED FOR LUBRICATING AND PREVENTING RUST. LIQUID VENEER CORPORATION, Buffalo, N. Y.
Filed June 19, 1934. Serial No. 352,862. PUBLISHED SEPTEMBER 18, 1934. Class 15.

319,572. BEER, ALE, STOUT, AND PORTER. MACKESON & CO., LIMITED, Hythe, Kent, England.
Filed June 19, 1934. Serial No. 352,863. PUBLISHED SEPTEMBER 25, 1934. Class 48.

319,573. SWITCHES MADE OF HUMAN HAIR. SOPHIA COMPANY, INC., New York, N. Y.
Filed June 20, 1934. Serial No. 352,930. PUBLISHED SEPTEMBER 18, 1934. Class 40.

319,574. FLAVORS FOR CIGARS, CIGARETTES, AND PIPE TOBACCO. RELIANCE PRODUCTS, INC., Cleveland, Ohio.
Filed June 21, 1934. Serial No. 352,988. PUBLISHED SEPTEMBER 25, 1934. Class 8.

319,575. CHEWING AND SMOKING TOBACCO. THE BUCKEYE TOBACCO COMPANY, Cleveland, Ohio.
Filed June 11, 1934. Serial No. 353,001. PUBLISHED SEPTEMBER 18, 1934. Class 17.

319,576. [WITHDRAWN.]

319,577. ELECTRICAL PROTECTIVE BURGLAR-ALARM SYSTEMS. BROOKLYN AUTOMOBILE BURGLAR ALARM CORP., Brooklyn, N. Y.
Filed June 21, 1934. Serial No. 353,107. PUBLISHED SEPTEMBER 18, 1934. Class 21.

319,578. COAL AND COKE. PITTSBURGH COAL CARBONIZATION COMPANY, Pittsburgh, Pa.
Filed June 25, 1934. Serial No. 353,142. PUBLISHED SEPTEMBER 18, 1934. Class 1.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

319,579. (CLASS 47. WINES.) HALFDAN BIRKEDAL HARTMANN, doing business as Birkedal-Hartmann & Cie, Bordeaux, France. Filed Aug. 24, 1933. Serial No. 341,008.

BIRKEDAL

For Wines.
Claims use since January, 1933.

319,580. (CLASS 47. WINES.) HALFDAN BIRKEDAL HARTMANN, doing business as Birkedal-Hartmann & Cie, Bordeaux, France. Filed Aug. 24, 1933. Serial No. 341,009.

BIRKEDAL HARTMANN & CIE

BORDEAUX

For Wines.
Claims use since January, 1933.

319,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES CRESER THACKRAY, Long Beach, Calif. Filed Sept. 18, 1933. Serial No. 341,669.

OXY-BISMUTH

For Granular Effervescent Bismuth Combination.
Claims use since Sept. 5, 1933.

319,582. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn. Filed Oct. 2, 1933. Serial No. 342,085.

"VYSTIPE"

For Electric Switches, Electric Cut-Outs, Electric Panel Boards, and Electric Terminal Clamps, and Parts Thereof.
Claims use since Apr. 1, 1932.

319,583. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) WEIDLICH STERLING SPOON CO., Bridgeport, Conn. Filed Oct. 4, 1933. Serial No. 342,139.

Lenox

For Table Silver-Ware—Namely, Hollow-Ware and Flat-Ware.
Claims use since Aug. 10, 1933.

319,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GERSON BERGMAN, doing business as Jay Drug Company, Philadelphia, Pa., assignor to Jack Leventhal, Marcus Hook, Pa. Filed Oct. 5, 1933. Serial No. 342,149.

RIEF

For Internal Medicine for Relieving Headaches, Colds, Periodic and Muscular Pains and Aches.
Claims use since Apr. 15, 1933.

319,585. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LAIRD & COMPANY, Scobeyville and Eatontown, N. J. Filed Oct. 31, 1933. Serial No. 343,074.

JERSEY

APPLE JACK

For Brandy.
Claims use since Oct. 23, 1933.

319,586. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS. LAIRD & COMPANY, Scobeyville and Eatontown, N. J. Filed Oct. 31, 1933. Serial No. 343,077.

RUMSON

For Brandy.
Claims use since Oct. 23, 1933.

319,587. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LAIRD & COMPANY, Scobeyville and Eatontown, N. J. Filed Oct. 31, 1933. Serial No. 343,078.

OLD SUSSEX

For Brandy.
Claims use since Oct. 23, 1933.

319,588. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LAIRD & COMPANY, Scobeyville and Eatontown, N. J. Filed Oct. 31, 1933. Serial No. 343,079.

SCOBEYVILLE

For Brandy.
Claims use since Oct. 23, 1933.

319,589. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LAIRD & COMPANY, Scobeyville and Eatontown, N. J. Filed Oct. 31, 1933. Serial No. 343,080.

TINTON FALLS

For Brandy.
Claims use since Oct. 23, 1933.

319,590. (CLASS 39. CLOTHING.) FASHION PARK MANUFACTURING CORPORATION, Rochester, N. Y. Filed Nov. 13, 1933. Serial No. 343,601.

CRAIGTWIST

For Coats, Vests, Pants, and Overcoats for Men and Boys.
Claims use since Oct. 1, 1933.

319,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST E. BOSTWICK, Salinas, Calif. Filed Nov. 22, 1933. Serial No. 343,947.

HANDSOM

For Fresh Vegetables.
Claims use since Oct. 2, 1933.

319,592. (CLASS 39. CLOTHING.) A. BARAFF & SONS, Philadelphia, Pa. Filed Oct. 8, 1931. Serial No. 319,846.

BARWICK

For Men's Clothing Such as Men's Suits, Including Trousers, Vests, and Coats, and Men's Overcoats.
Claims use since July 15, 1930.

319,593. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Oct. 3, 1932. Serial No. 330,884.

GOLDEN RULE

For Alcoholic Malt Beverage and Extract Therefor Not Exceeding the Legal Alcoholic Content.
Claims use since Nov. 1, 1931.

319,594. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PHARMA-CRAFT CORPORATION, Louisville, Ky. Filed Jan. 12, 1933. Serial No. 333,860.

MARY PEABODY

For Hand Balm.
Claims use since Jan. 12, 1933.

319,595. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DAYTON COLOR WORKS COMPANY, Dayton, Ohio. Filed July 19, 1933. Serial No. 339,890.

DAYTONA

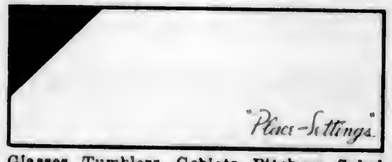
For Liquid Paints.
Claims use since July 3, 1933.

319,596. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) SPAULDING-GORHAM, INC., Chicago, Ill. Filed Aug. 22, 1933. Serial No. 340,932.



For Dishes Made of Earthenware, Porcelain, Bone China, and China.
Claims use since Aug. 3, 1933.

319,597. (CLASS 33. GLASSWARE.) SPAULDING-GORHAM, INC., Chicago, Ill. Filed Aug. 22, 1933. Serial No. 340,933.



For Glasses, Tumblers, Goblets, Pitchers, Salad Plates, Butter Plates, Vases, Fingerbowls, and Candlesticks.
Claims use since Aug. 3, 1933.

319,598. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. S. BRACH MFG. CORP., Newark, N. J. Filed Apr. 2, 1934. Serial No. 349,396.

BI-PASS-OR

For By-Pass Device Used in Connection with Circuits for Electric Signs of the Neon Tube Type.
Claims use since Aug. 30, 1933.

319,599. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) J. A. PHILLIPS AND COMPANY, LIMITED, Smethwick, near Birmingham, England. Filed May 28, 1934. Serial No. 351,996.

PHILLIPS

For Component Parts of Bicycles, Bicycle Fittings, and Accessories—Namely, Luggage Carriers, Mudguards, Chain Guards and Covers, Driving Mirrors, and Stands (on the Bicycle).
Claims use since Nov. 25, 1919.

319,600. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALPH RAULLI, doing business as Sunland Biscuit Co., Los Angeles, Calif. Filed June 30, 1934. Serial No. 353,408.

ARIZONA

For Semolina Products, Namely Macaroni, Vermicelli, Egg Noodles and Spaghetti.
Claims use since June 11, 1933.

319,601. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PAICE BROTHERS, Boston, Mass. Filed July 21, 1934. Serial No. 354,170.

Brenton Club

For Gin, Whiskey, Rum, and Brandy.
Claims use since 1912.

319,602. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BERNARD KANSTOROOM, Washington, D. C. Filed July 31, 1934. Serial No. 354,464.

TRU-VUE LENSES

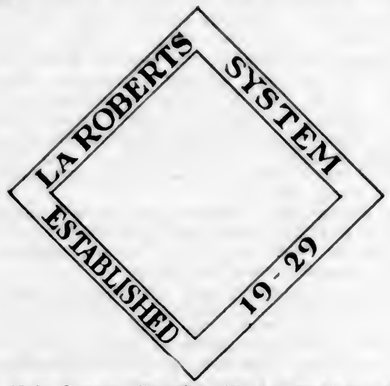
For Ophthalmic Lenses.
Claims use since Dec. 28, 1932.

319,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIRMINGHAM APOTHECARY, INC., Birmingham, Ala. Filed Aug. 10, 1934. Serial No. 354,820.

BORO-ASEPTIC

For Antiseptic Douche Powders.
Claims use since Aug. 15, 1922.

319,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCILLE ROBERTS, Brooklyn, N. Y. Filed Aug. 17, 1934. Serial No. 355,117.



For Hair Grower, Pressing Oil for Straightening the Hair, Tar Oil for Scalp Treatment and Scalp Cleansing.
Claims use since July 1, 1933.

319,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MING TOY SWEETS MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 24, 1934. Serial No. 355,407.

Terry Sweets
Home Made Candies

For Candy and Chocolates.
Claims use since Mar. 1, 1933.

319,606. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 25, 1934. Serial No. 355,446.

Brite-Blade

For Table Knives and Forks, Kitchen Forks, Butcher Knives, Slicer Knives, Paring Knives, Grapefruit Knives and Midget Carving Knives, Composed of Base Metal.
Claims use since Aug. 5, 1933.

319,607. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOS. E. SEAGRAM & SONS, INC., Lawrenceburg, Ind. Filed Oct. 20, 1934. Serial No. 357,354.

Seagram's

"Just that much BETTER"

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 11, 1928.

319,608. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed Sept. 20, 1934. Serial No. 356,214.

BUTLER
Automatic
HAIR DRYING SYSTEM

For Hot Air Hair Drying Systems and Hair Drying Hot Air Distributing Helmets.
Claims use since July 22, 1932.

TRADE-MARK REGISTRATIONS RENEWED

43,513. WHISKY. Registered October 11, 1904. JAMES SAUNDERS & CO., LIMITED. Renewed October 11, 1934, to Portal, Dingwall & Norris, London, England, a firm, assignee by mesne assignments.

43,672. A SHAVING-CREAM. Registered November 8, 1904. AIMÉE LLOYD & CO., New York, N. Y. Renewed November 8, 1934, to The Euxesis Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

94,560. NAPKINS. Registered December 16, 1913. MANVILLE COMPANY, Providence, R. I. Renewed December 16, 1933, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware, successor.

96,469. ALIMENTARY PASTE PRODUCTS. Registered April 21, 1914. VESUVIO & PIEDMONT PASTE CO. Renewed April 21, 1934, to California-Vulcan Macaroni Company, trading as Vesuvio & Piedmont Paste Co., San Francisco, Calif., a corporation of California, successor.

100,024. DRY AND READY-MIXED PAINTS, ENAMELS, STAINS, WALL-PAINTS, LACS, FILLERS, AND VARNISH. Registered September 29, 1914. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 29, 1934.

100,035. SHEET-METAL TRANSFORMER AND DYNAMO PLATES. Registered September 29, 1914. JOSEPH SANKEY & SONS, LTD., Bilston, England, a corporation of Great Britain. Renewed September 29, 1934.

100,282. STARCH FOR LAUNDRY AND MANUFACTURING PURPOSES. Registered October 20, 1914. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed October 20, 1934.

100,378. A DEVICE FOR OFFSET FURRING. Registered October 20, 1914. MITCHELL-TAPPEN COMPANY, New York, N. Y., a corporation of New York. Renewed October 20, 1934.

100,925. A FOOD DRINK. Registered October 27, 1914. DR. A. WANDER, A. G., Berne, Switzerland, a corporation of Switzerland. Renewed October 27, 1934.

101,141. COAL. Registered November 17, 1914. EBENSBURG COAL COMPANY, Cambria County and Philadelphia, Pa. Renewed November 17, 1934, to Ebensburg Coal Company, Philadelphia, Pa., a corporation of Pennsylvania.

101,439. SALT AND BAKING-POWDER. Registered December 15, 1914. THE J. K. ARMSBY CO. Renewed December 15, 1934, to California Packing Corporation, San Francisco, Calif., a corporation of New York, assignee.

101,455. SHADE-HOLDERS FOR ELECTRIC LIGHTS. Registered December 15, 1914. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed December 15, 1934.

101,651. BEER. Registered January 5, 1915. SEATTLE BREWING AND MALTING CO., Seattle, Wash. Renewed January 5, 1935, to Rainier Brewing Company, Inc., San Francisco, Calif., a corporation of California, assignee.

101,696. CERTAIN NAMED CUTLERY, AND TOOLS, AND MACHINERY. Registered January 5, 1915. THE BETZ-PIERCE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed January 5, 1935.

101,900. YARNS OF WOOL, WORSTED, OR HAIR. Registered January 19, 1915. J. & J. BALDWIN & PARTNERS, LIMITED. Renewed January 19, 1935, to Patons & Baldwins, Limited, Halifax, England, a corporation of Great Britain, assignee.

101,969. CATSUP, JELLS, JAMS, APPLE-BUTTER, SYRUP FOR TABLE USE, MUSTARD, PICKLES, PICKLE RELISH, AND OLIVES. Registered January 19, 1915. THE NEW WOOSTER PRESERVING CO. Renewed January 19, 1935, to The Wooster Preserving Co., Wooster, Ohio, a corporation of Ohio, by change of name.

102,104. A PREVENTIVE OF OXIDATION. Registered January 26, 1915. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 26, 1935.

102,117. WHEAT-FLOUR. Registered January 26, 1915. THE KING MILLING CO., Lowell, Mich., a corporation of Michigan. Renewed January 26, 1935.

102,257. CONVERTIBLE NEGLIGÉE SHIRTS. Registered February 2, 1915. COLUMBIA SHIRT COMPANY, New York, N. Y., a corporation of New York. Renewed February 2, 1935.

102,396. LEAD-PENCILS. Registered February 9, 1915. EBERHARD FABER, New York, N. Y. Renewed February 9, 1935, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York, assignee.

102,455. NURSING-NIPPLES. Registered February 9, 1915. HUGO SCHNEIDER. Renewed February 9, 1935, to Julius Schmid, Inc., New York, N. Y., a corporation of New York, assignee.

102,580. RUBBER ROOFING. Registered February 16, 1915. W. S. NOTT COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed February 16, 1935.

102,661. WHISKY. Registered February 16, 1915. HIRAM WALKER & SONS, LIMITED, Walkerville, Canada, and Detroit, Mich. Renewed February 16, 1935, to Hiram Walker & Sons Inc., Peoria, Ill., a corporation of Michigan, assignee.

102,662. WHIISKY. Registered February 16, 1915. HIRAM WALKER & SONS, LIMITED, Walkerville, Canada, and Detroit, Mich. Renewed February 16, 1935, to Hiram Walker & Sons Inc., Peoria, Ill., a corporation of Michigan, assignee.

102,913. WHISKY. Registered March 2, 1915. HIRAM WALKER & SONS LIMITED, Walkerville, Canada, and Detroit, Mich. Renewed March 2, 1935, to Hiram Walker & Sons Inc., Peoria, Ill., a corporation of Michigan, assignee.

102,924. CERTAIN NAMED PAPER. Registered March 2, 1915. KELLOGG TOASTED CORN FLAKE COMPANY. Renewed March 2, 1935, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

103,017. INCANDESCENT LAMPS. Registered March 16, 1915. WESTINGHOUSE LAMP COMPANY, Bloomfield, N. J., a corporation of Pennsylvania. Renewed March 16, 1935.

103,134. FOUNTAIN-PENS. Registered March 16, 1915. JOSEPH WALLACE. Renewed March 16, 1935, to Inkograph Co., Inc., New York, N. Y., a corporation of New York, assignee.

103,198. CARPET-SWEEPERS AND VACUUM-CLEANERS. Registered March 23, 1915. CLEMENTS MFG. CO., Chicago, Ill., a corporation of Illinois. Renewed March 23, 1935.

103,288. A MEDICINAL PREPARATION FOR PRODUCING ANESTHESIA. Registered March 30, 1915. THE HOFFMANN-LA ROCHE CHEMICAL WORKS, New York, N. Y. Renewed March 30, 1935, to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey, assignee.

103,290. VACUUM-CLEANERS. Registered March 30, 1915. JEWEL VACUUM CLEANER CO. Renewed March 30, 1935, to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois, assignee.

103,293. INSECTICIDES, ROACH-POWDERS, RAT AND MICE POISONS, VERMIN-DESTROYERS, AND DISINFECTANTS. Registered March 30, 1915. FREDERICK KOPITZKE, New York, N. Y. Renewed March 30, 1935.

103,297. SILOS AND TANKS. Registered March 30, 1915. PACIFIC TANK & PIPE CO., San Francisco, Calif., a corporation of California. Renewed March 30, 1935.

103,306. PRINTING AND WRITING PAPER. Registered March 30, 1915. WHITING-PLOVER PAPER COMPANY, Stevens Point, Wis., a corporation of Wisconsin. Renewed March 30, 1935.

103,311. CERTAIN NAMED MUSICAL INSTRUMENTS AND SUPPLIES. Registered March 30, 1915. C. BRUNO & SON, INC., New York, N. Y., a corporation of New York. Renewed March 30, 1935.

103,335. PIANO-PLAYERS, PLAYER-PIANOS, AND NOTE-SHEETS FOR THE SAME. Registered March 30, 1915. AMERICAN PIANO CO., Jersey City, N. J., and New York, N. Y. Renewed March 30, 1935, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

103,591. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS AND MEDICINES. Registered April 6, 1915. MCCORMICK & CO. Renewed April 6, 1935, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

103,608. CERTAIN NAMED CUTLERY AND TOOLS. Registered April 6, 1915. AMERICAN HARDWARE & SUPPLY COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 6, 1935.

CARNEGIE LIBRARY OF ATLANTA

LABELS

REGISTERED NOVEMBER 27, 1934

44,682.—*Title:* RE-LEAF. For a Preparation for Athletes Foot, Ringworm, Pimples, Eczema, All Forms of Itch, Florida Sores, Ulcers, and Insect Bites. BAILEY BROTHERS, Miami, Fla. Published September 28, 1934.

44,683.—*Title:* SMACKLETS. For Fish Tenderloins. BENICIA FISHERIES, INC., Benicia, Calif. Published January 10, 1934.

44,684.—*Title:* CANDY-COD. For Vitamin D Chocolate Bars. THE CANDY-COD CORPORATION, Detroit, Mich. Published August 1, 1934.

44,685.—*Title:* WHITE ROSE. For Beer. DALLAS BREWERY, INC., Dallas, Tex. Published April 19, 1934.

44,686.—*Title:* VITAL REJUVENATOR. For Galvanic and Pulsating Sinusoidal Machines. JOHN A. ERICSON, Youngstown, Ohio. Published September 26, 1934.

44,687.—*Title:* CLEAN. For a Wall Paper Cleaner. GEO. T. GUSLER, doing business as Clean Products Company, Columbus, Ohio. Published September 12, 1934.

44,688.—*Title:* GLASKOTE. For a Liquid Finish for Linoleums. H & M CHEMICAL COMPANY, Portland, Oreg. Published September 12, 1934.

44,689.—*Title:* HERBE SAINTE JEANNE D'ARC. For a Vegetable Herb. JEANNE D'ARC PRODUCTS CO., New Orleans, La. Published August 20, 1934.

44,690.—*Title:* L. B. For Hair Oil. L. B. LABORATORIES, INC., Los Angeles, Calif. Published June 1, 1934.

44,691.—*Title:* MALVITOSE. For a Concentrated and Scientifically Processed Food. MICKY MALTO PRODUCTS CO., San Francisco, Calif. Published February 8, 1934.

44,692.—*Title:* SPAVINAW. For Coffee. CARL E. NESBITT, Pawhuska, Okla. Published September 8, 1934.

44,693.—*Title:* ALL AMERICAN CAMPUS WRITING PAPER. For Writing Paper. THE NORSID COMPANY, New York, N. Y. Published September 1, 1934.

44,694.—*Title:* SCOTCH LASSIE. For Strawberry Preserves. SAMBO DAIRY PRODUCTS, INC., New York, N. Y. Published August 7, 1934.

44,695.—*Title:* CHASE AND SANBORN'S. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published October 2, 1934.

44,696.—*Title:* JACK FROST FIBRE. For Wrapping Paper. UNITED PAPER COMPANY, INC., Richmond, Va. Published October 8, 1934.

44,697.—*Title:* LIQUERE D'ELITE. For a Distilled Alcoholic Liqueur. J. C. YOCHIM CO., INC., New Orleans, La. Published August 27, 1934.

44,698.—*Title:* YUKONS BEST. For Fancy Pearl Meal. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,699.—*Title:* YUKONS BEST. For Fancy Cream Meal. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,700.—*Title:* YUKONS BEST. For Family Home Ground White Meal. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

PRINTS

REGISTERED NOVEMBER 27, 1934

14,923.—*Title:* BUYING CHEAPER FLOUR SAVED HER 1¼¢ BUT LOST HER 88¢ WHEN 3 PIES FAILED. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 10, 1934.

14,924.—*Title:* MRS. WILLIAM SCHOELLKOPF TELLS VERY SIMPLE WAY TO MAKE YOUR DINNERS SMARTER. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 10, 1934.

14,925.—*Title:* WHO HAS A HUSBAND LIKE MRS. KISTLER'S . . . "MUM" ON MEALS? For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 25, 1934.

14,926.—*Title:* COUNTESS DE FORCEVILLE GIVES A SMART IDEA FOR YOUR FALL LUNCHEONS. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 10, 1934.

14,927.—*Title:* IF YOU LIKE SMART TABLE APPOINTMENTS FOR ENTERTAINING KINDLY ACCEPT THIS AMAZING OFFER. For Cake Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 14, 1934.

14,928.—*Title:* LOOK FOR THE OVERALL. For Men's and Boys' Overalls. THE H. D. LEE MERCANTILE COMPANY, Kansas City, Mo. Published August 17, 1934.

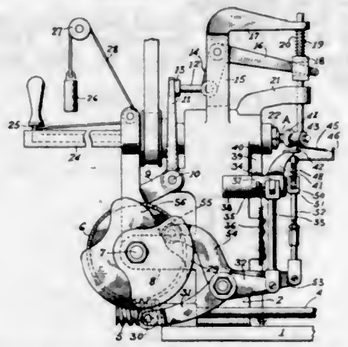
19,379

BUTTON MAKING MACHINE

Emanuel Clemens, East Orange, N. J.

Original No. 1,843,944, dated February 9, 1932, Serial No. 459,042, June 3, 1930. Application for reissue November 14, 1933, Serial No. 697,919

7 Claims. (Cl. 79—1)



1. In a machine for making button blanks from solid uncured rods of casein material, driving means, a device operable by said driving means for suporting and rotating such a rod, a movably mounted knife-edged cutter freely rotatable about its axis and on its mounting by contact with the rotating rod, and means operable during operation of the machine for moving the cutter automatically and intermittently to and from operative cutting position relatively to said rod when the latter is supported and rotated by said device.

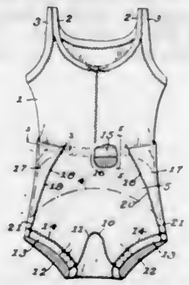
19,380

UNDERGARMENT

Allan D. Craig, Watertown, Mass., assignor to Thomas Dalby, Inc., Watertown, Mass., a corporation of Massachusetts

Original No. 1,911,676, dated May 30, 1933, Serial No. 623,643, July 20, 1932. Application for reissue June 5, 1934, Serial No. 729,164

5 Claims. (Cl. 2—78)



1. An undergarment comprising upper and lower front sections, an upper back section, and a drop seat portion extending from the lower end of the lower front section, the lower front section and the drop seat portion having cutout portions in their side edges and having their side edges secured together at the ends of said cutout portions to form leg openings, said drop seat portion being provided at its sides above said cutout portions with lateral extensions extending forwardly over the lower front section, said lateral extensions gradually increasing in width upwardly and having upwardly converging side edge portions secured to the lower front section by upwardly converging lines of stitching, the drop seat being free throughout its upper end intermediate said converging lines of stitching and said drop seat portion being provided with an elastic at its upper edge to hold said drop seat in normal closed position.

19,381

ASPHALTIC CEMENT

William C. Ferguson, St. Louis, Mo.

No Drawing. Original No. 1,878,625, dated September 20, 1932, Serial No. 321,771, November 24, 1928. Application for reissue September 19, 1934, Serial No. 744,721

2 Claims. (Cl. 106—31)

1. An asphaltic cement compound or mixture of troweling consistency, composed of two complemental parts which may be mixed with facility, one of said parts constituting the major portion of the mixture and comprising comminuted hard asphalt having a melting point in excess of 200° F., and the other part composed of an asphaltic substance and a diluent combined in such proportions that the diluent will penetrate and be absorbed by the hard comminuted asphalt, even in the absence of air, thus causing the mixture to set or harden.

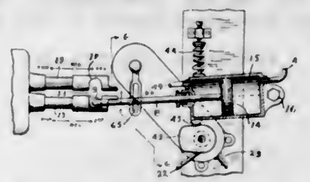
19,382

FLUID OPERATED GEAR-SHIFTING MECHANISM

Kenneth W. Gaskill, Cleveland, Ohio

Original No. 1,820,452, dated August 25, 1931, Serial No. 403,104, October 28, 1929. Application for reissue August 23, 1933, Serial No. 686,467

15 Claims. (Cl. 74—334)



1. In a device of the class described, the combination of an engine, a shaft adapted to be driven thereby, a clutch connection and gear transmission between said engine and shaft, a reciprocatable plunger operatively connected to said gear transmission for effecting change in the gear ratio, a reciprocatable plunger operatively connected to the clutch control, means including a distributor for transmitting fluid pressure from said second-named plunger to said first-named plunger, a single means for adjusting said distributor so as to establish proper connections for the fluid pressure according to the gear ratio desired, and for adjusting said first-named plunger laterally in one direction in accordance with the adjustment of the distributor, and means for automatically effecting lateral adjustment thereof in the opposite direction.

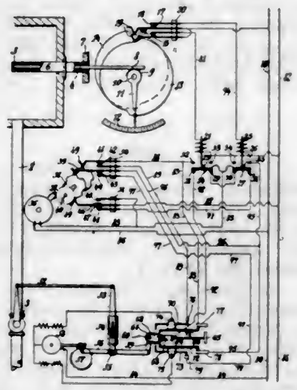
19,383

TEMPERATURE CONTROL APPARATUS

Christian Wilhjelm, Philadelphia, Pa., assignor, by mesne assignments, to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Original No. 1,829,772, dated November 3, 1931, Serial No. 356,379, April 19, 1929. Application for reissue September 27, 1932, Serial No. 635,031

25 Claims. (Cl. 236—15)



1. In a system for regulating the temperature within a furnace having a valve controlled fuel supply, a motor for operating the valve, a main electric circuit, means in the latter for causing the motor to open the valve in response to a decrease in the temperature within the furnace and other means, automatically operated within a given time interval, for subsequently causing the motor to close the valve to a lesser extent than the said opening thereof whereby to balance the fuel supply to the fuel demand required by the said decrease in the temperature.

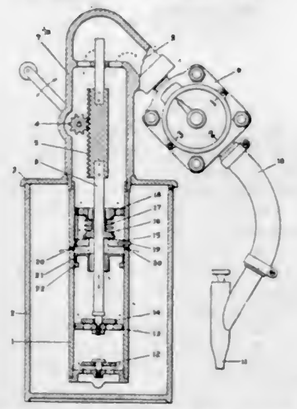
19,384

LIQUID PUMP

Robert S. Bassett, Buffalo, N. Y.

Original No. 1,816,821, dated August 4, 1931, Serial No. 502,138, December 13, 1930, Application for reissue March 7, 1933, Serial No. 659,986

19 Claims. (Cl. 221—95)



1. In a liquid pump of the measuring type; a liquid operated meter; a pump inlet opening; a main delivery opening leading to the liquid operated meter; a liquid circulating device between said openings; a flow retarding check valve between said liquid circulating device and said main delivery opening; and a gas discharge opening between said check valve and said liquid circulating device, substantially as and for the purpose described.

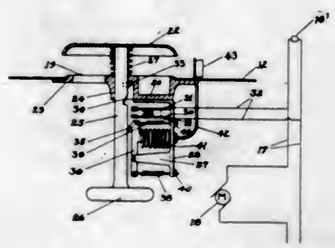
19,385

CIRCUIT CONTROL MECHANISM FOR MECHANICAL REFRIGERATING APPARATUS

Frederick R. Erbach, Beloit, Wis., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Original No. 1,824,774, dated September 29, 1931, Serial No. 241,072, December 19, 1927. Application for reissue March 21, 1933, Serial No. 661,948

12 Claims. (Cl. 62—4)



10. A refrigerating system comprising a cooling unit, means for circulating a refrigerant medium through said unit and operable to maintain a predetermined normal cooling unit temperature, means for temporarily modifying the operation of the circulating means and a temperature responsive device responsive solely to temperatures other than those normally maintained in the cooling unit for automatically reconditioning the system for normal operation.

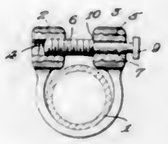
19,386

BOLT AND CLAMP

Leon R. Hand, Hummels Wharf, and Lewis A. Eyster, Sunbury, Pa.

Original No. 1,870,112, dated August 2, 1932, Serial No. 528,170, April 6, 1931. Application for reissue July 12, 1934, Serial No. 734,858

3 Claims. (Cl. 24—243)



1. A circumferentially contractile clamp comprising a split body member, and a clamping screw bridging the ends of the body member and threadingly engaged with the one but having an angular or turning movement in the other and also a limited axial movement therein, so that on rotation of the screw in one direction the body member is circumferentially reduced whereas rotation in the other direction will effect spreading of the body member.

19,387

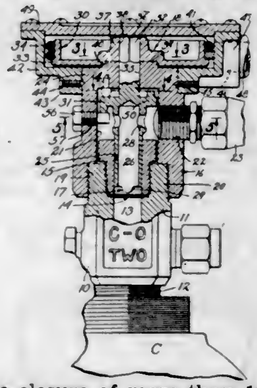
HEAD FOR PUNCTURING CLOSURE DISKS

Ozro N. Wiswell, Los Angeles, Calif., assignor, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Original No. 1,910,511, dated May 23, 1933, Serial No. 519,471, March 2, 1931. Application for reissue August 7, 1934, Serial No. 738,844

11 Claims. (Cl. 169—11)

9. A releasing device for use in connection with a fluid container having an opening and a closure for the opening which comprises a cutter operable to cut the closure, and means for advancing and turning the cutter to bring the cutter into engagement with the closure and make an arcuate cut in the closure, the cutting edge of the cutter subtending at an angle of considerably less than 360 degrees as measured along the cut, and a stop for limiting operation of the cutter after it has made



a cut in the closure of more than 180° but substantially less than 360 degrees.

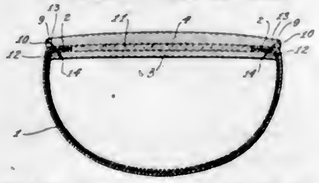
PATENTS

GRANTED NOVEMBER 27, 1934

1,981,844
SHOE AND PROCESS OF MAKING THE SAME

Arthur J. Brauer, St. Louis County, and Frederick P. Wagner, St. Louis, Mo., assignors to Brauer Bros., Inc., St. Louis, Mo., a corporation of Missouri

Application February 13, 1933, Serial No. 656,432
2 Claims. (Cl. 12—142)

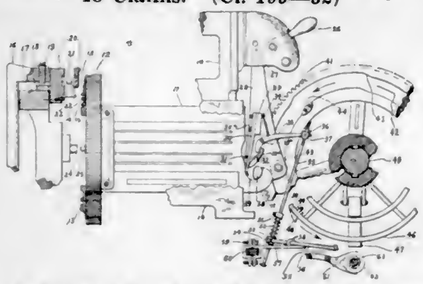


1. In the art of securing soles to shoes, the process comprising, forming a shallow narrow slit extending diagonally into the body of the sole from adjacent the marginal edge, and stitching the sole to adjacent shoe parts by stitches placed in the slit when the slit is in a substantially unopened condition, the direction of the stitching being substantially in prolongation of the slit.

1,981,845
TYPOGRAPHICAL MACHINE

Leo M. Chapman, Chicago, Ill.

Application July 7, 1932, Serial No. 621,171
18 Claims. (Cl. 199—52)

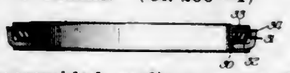


1. A typographical machine including means for presenting assembled matrices in front of a mold, a mold, mold disk and slide, a power-driven cam, a bell-crank clutch operating lever, a mold slide actuating lever, and means carried by said slide actuating lever to move means carried by said bell-crank clutch operating lever into engagement with means on said power-driven cam thereby causing said power-driven cam means to actuate said bell-crank clutch operating lever to stop the machine.

1,981,846
OIL SEAL

Harold A. Clark, Northbrook, Ill.

Application March 17, 1932, Serial No. 599,526
3 Claims. (Cl. 288—1)

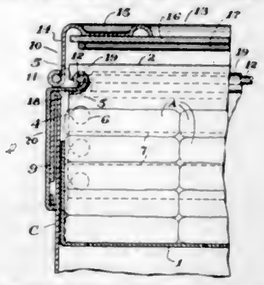


3. A preassembled sealing means for joints comprising in combination: a ring having a radially extending flange, said ring to be maintained in axial alignment with and adapted to be seated upon one of two telescopically related sections, a cup member of flexible material, as leather, having an opening in its center and adapted to bear at its outer face against an interior surface of the other of said sections, a ring member disposed against said cup member and having radially projecting spring portions to press the flange of said cup member against said surface, one of said members being seated against said flange, and means for clamping said parts in assembled relation.

1,981,847
ADJUSTABLE DISPLAY STRUCTURE

Thomas J. Donovan, Jr., Philadelphia, Pa., assignor to J. S. Ivins' Son, Inc., Philadelphia, Pa., a corporation of Delaware

Application May 15, 1933, Serial No. 671,139
10 Claims. (Cl. 206—44)

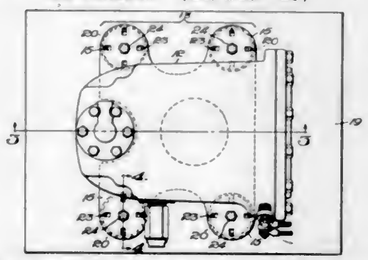


1. The combination with cover structure of a container, of tray structure having a flap for elevating and supporting the same, said flap having openings extending to its edge for engaging a structural element of the cover structure for supporting said tray structure in various positions to which it may be elevated.

1,981,848
REFRIGERATING MACHINE

William D. Drysdale, Buffalo, N. Y., assignor to Walter J. Sugden, West Roxbury, Mass.

Application August 4, 1932, Serial No. 627,417
13 Claims. (Cl. 248—16)



10. In a convertible mounting for a refrigerating unit, the combination of a platform having a depressed portion to receive said unit and elevated portions extending laterally from said depressed portion, a base beneath said platform, hollow supports interposed between said base and said elevated portions, resilient means within said supports and interposed between said base and said elevated portions, and means extending within said supports to urge said platform downwardly and to utilize said supports to support said platform rigidly with relation to said base.

1,981,849
HEAT EXCHANGE MEDIUM

Phillip H. Elliott, Charleston, W. Va., and Ward E. White, Columbus, Ohio, assignors to Chemical Manufacturing Company, Point Pleasant, W. Va., a corporation of West Virginia

No Drawing. Application March 30, 1933, Serial No. 663,663
6 Claims. (Cl. 252—5)

1. A heat exchange medium comprising a vegetable oil, and about five per cent (5%) or more of oleic acid.

1,981,850
PIPE WELDING

James P. Fisher, Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application June 1, 1931, Serial No. 541,235
6 Claims. (Cl. 113—112)



1. In forming a strong welded joint between the adjoining ends of two coaxially aligned cylindrical tubular bodies, the improvement which comprises expanding adjoining ends of said tubes outwardly in the shape of a funnel with the walls of the expanded section lying at a substantially 45° angle with the longitudinal axis of the tubes, and placing the thus funnel shaped ends in opposing closely spaced relation, fitting a weld metal ring of T-section and internal diameter corresponding with that of the tube in inverted position tightly into the inverted V-shaped groove formed at the joint between the funnel shaped walls of the tube ends with its central web extending outwardly in substantially abutting relationship with the spaced tube ends, and directing a welding flame against the base of said web and thereby fusing the metal of said web into a bead joining the ends of said tubes and the head of said ring.

1,981,851
MASSAGING AND SHAVING BRUSH

Marion H. Aten, Burlingame, Calif.

Application February 15, 1933, Serial No. 656,921
4 Claims. (Cl. 15—244)

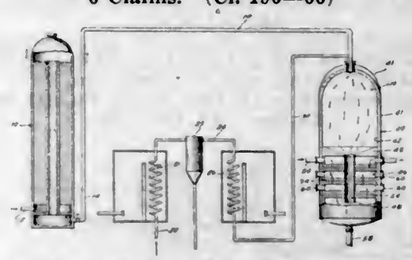


1. A shaving brush comprising a handle having a cavity with an inwardly extending flange disposed at the mouth of the cavity, and a sponge rubber having a rubber band wound tightly thereabout for defining a neck and head portion, the head being received in the cavity and the rubber band frictionally engaging with the flange for preventing the removal of the head.

1,981,852
COMBINATION REACTION CHAMBER AND SCRUBBER

Edwin W. Beardsley, Los Angeles, Calif., assignor to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware

Application January 30, 1931, Serial No. 512,270
6 Claims. (Cl. 196—66)



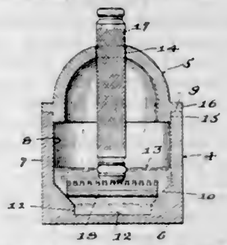
1. In an apparatus for converting hydrocarbons in the vapor phase, a closed vessel, an apertured partition in said vessel dividing same into a reaction chamber and a scrubbing chamber, said reaction chamber being refractory lined and of sufficient length to permit a completed vapor phase reaction to occur therein at a temperature not substantially in exces of 1,000° F., an inlet for hot heat-carrier gas, an inlet for hydrocarbon vapor to be converted, means for admitting a scrubbing liquid to said scrubbing chamber, an outlet for said liquid and an outlet for said scrubbed fluids, said apertured partition affording communication between said chambers whereby the mixture of converted vapors and gas can pass from the reaction chamber to the scrubbing chamber.

4. In an apparatus for converting hydrocarbon oils in the vapor phase by the agency of heated heat-carrier gas, a vertically disposed closed vessel, a partition in said vessel dividing same into an upper reaction chamber and a lower scrubbing chamber, said reaction chamber being provided at the top thereof with an inlet for hydrocarbon vapor to be converted and an inlet for said heated heat-carrier gas, means for admitting into the scrubbing chamber a scrubbing liquid, an outlet for said scrubbing liquid and an outlet for the scrubbed fluids, said scrubbing chamber being of lesser cross sectional area than said reaction chamber, and means for conducting the mixture of converted vapor and gas from the reaction chamber to the scrubbing chamber, and a support for the combined chambers extending from the ground to the said upper chamber.

1,981,853
RECEPTACLE

Homer L. Bruce, Houston, Tex.

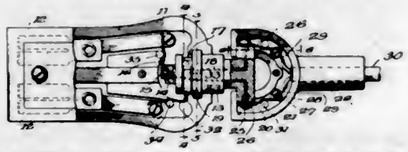
Application May 2, 1932, Serial No. 608,812
6 Claims. (Cl. 206—16)



2. A receptacle for housing a safety razor or the like, comprising an upstanding hollow body having an annular sloping surface arranged inside

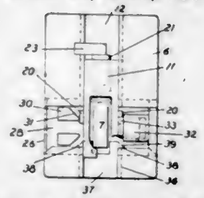
of the body near the bottom of the same and adapted to support the end edges of the guard portion of a safety razor above the inner surface of the bottom of the receptacle.

1,981,854
PLUG CONNECTER FOR ELECTRICAL APPLIANCES
Joseph W. Comiskey, Johnstown, Pa., assignor of one-third to Dell A. Comiskey and one-third to Joseph Siciliano, both of Johnstown, Pa.
Application May 17, 1932, Serial No. 611,882
3 Claims. (Cl. 173—324)



1. A plug connecter for electrical appliances including a plug housing for engagement with an appliance embodying a cylinder in electrical connection with the housing, one end of which is rotatably mounted in the housing, the opposite end of the cylinder being extended beyond the housing and enlarged, and an electric cable carrying casing housed over the enlarged extending end of the cylinder and pivotally connected thereto, said casing being in electrical engagement with the cylinder.

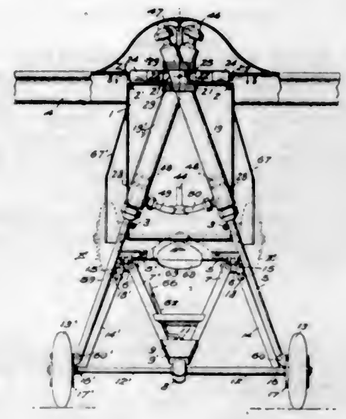
1,981,855
SEAR MECHANISM FOR GUNS
Richard C. Coupland, United States Army, Norfolk, Va.
Application August 2, 1932, Serial No. 627,244
10 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



10. In a gun, a reciprocal bolt, a firing pin movable relative to the bolt, means for cocking the firing pin, a sear engageable with the firing pin to hold it in cocked position, a sear-lock reversibly mounted in the bolt whereby it may be operated in reversed directions to release the sear, and a slide carried by the bolt operable to move the sear-lock in both arrangements of its mounting.

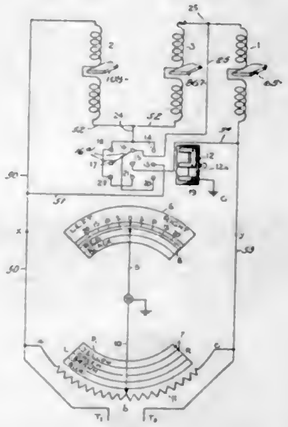
1,981,856
RETRACTABLE LANDING GEAR
Hugh C. Downey, United States Army, Mitchell Field, Long Island, N. Y.
Application November 2, 1932, Serial No. 640,860
6 Claims. (Cl. 244—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A retractable landing gear for airplanes including a pair of angularly disposed hydraulic cylinders crossing each other at their upper portions, means securing the said upper portions together and permitting the cylinders to articulate independently of each other fore and aft and also laterally, an axle of telescoped wheel-carrying sections; pistons in said cylinders having connection with the said wheel carrying sections of the said axle, and means for conducting fluid under



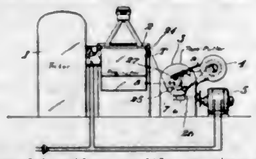
pressure to and from opposite sides of the pistons for reciprocating same within the cylinder in the retraction and extension of the said landing gear.

1,981,857
DEVIOMETER
Francis W. Dunmore, Washington, D. C., assignor to the Government of the United States as represented by the Secretary of Commerce
Application April 12, 1932, Serial No. 604,853
3 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



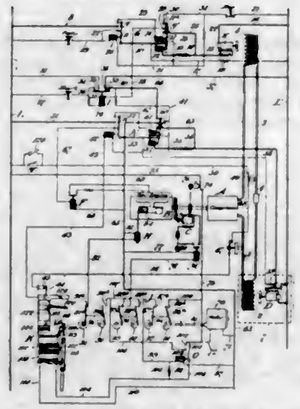
2. In a deviometer the combination of an input circuit comprising a resistor, a variable tap on said resistor, a plurality of reeds having different periods of vibration, driving coils associated with each of said reeds, said coils all being connected in series across said resistor, switching means associated with said resistor, said variable tap and said driving coils for connecting, in series across said resistor, any set of driving coils associated with one reed to any set of driving coils associated with any other reed and connecting the common connection between these two sets of driving coils to said variable tap on said resistor and short-circuiting the remaining driving coils.

1,981,858
TENSIONING MEANS FOR TICKER TAPE
August D. Eitzen, Rockville Center, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application September 7, 1929, Serial No. 391,056
Renewed February 20, 1934
5 Claims. (Cl. 271—2.3)



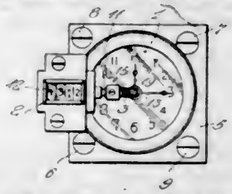
1. The combination with a tape puller for drawing tape through a projector, of an electric motor operatively connected to drive said tape puller, means for controlling said motor including a switch having a switch arm resting on the upper face of said tape at the supply end to the projector to form a loop, said switch arm following the tape to close the switch when the loop increases to a predetermined size and to open the switch when the loop is diminished below said predetermined size, and a quick acting tension member engaging the lower face of the tape at the loop so formed in advance of said switch arm and supplementing the switch arm initially to take up the slack as quickly as formed and said tension member being yieldable backward away from said switch arm to permit the switch arm thereupon to take up the slack and urge the tension member out of such initial slack absorbing position to prevent the transmission of vibrations formed in the tape by such slack to the portion of the tape beyond such switch arm.

1,981,859
AUTOMATIC CONTROL FOR INTERNAL COMBUSTION ENGINES
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application July 25, 1932, Serial No. 624,594
17 Claims. (Cl. 290—38)



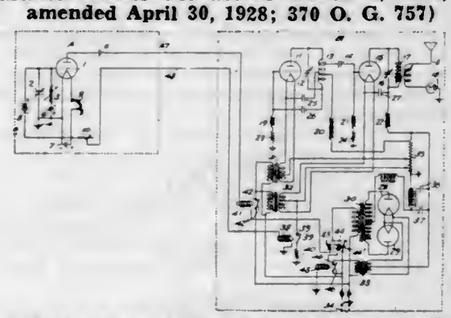
1. The combination with an internal combustion engine, a starting motor for cranking the engine and a normally open circuit for said motor, of timing mechanism including a timing motor and means controlled thereby for closing said circuit intermittently for predetermined times to cause periodic cranking of the engine, a circuit for the timing motor, means controlled by the engine for opening said latter circuit when the engine starts, and means operated by the timing motor for opening said latter circuit if the engine fails to start after a predetermined number of cranking operations.

1,981,860
VACUUM TUBE LIFE METER
Louis A. Gebhard and George E. Jacobson, Washington, D. C.
Application February 17, 1932, Serial No. 593,598
4 Claims. (Cl. 161—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A frame structure, an electric clock carried by said frame structure, a driven member operated by said electric clock, an insulated yoke supported by said frame structure and offset with respect to the face of said electric clock, a mechanical counter supported by said insulated yoke and electrically insulated from said electric clock, a driving member connected with said mechanical counter, and a flexible connection between the driven member of said electric clock and the driving member of said mechanical counter.

1,981,861
REMOTE CONTROL AND KEYING SYSTEM FOR RADIO TRANSMITTERS
Edwin A. Goodwin, Oceanport, N. J.
Application June 13, 1933, Serial No. 675,626
6 Claims. (Cl. 250—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



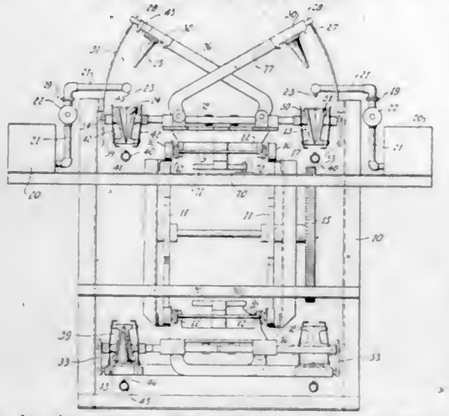
1. In a system of the character described, comprising a control station in electrical communication with a remotely located radio transmitter; power supply circuits for the transmitter; relay actuated means in said circuits, to place said transmitter in operative condition; a solenoidally actuated key circuit for the transmitter; an electron tube operative with the control station and means for normally blocking the said tube; a circuit connecting the relay actuated means with the anode-cathode path of said tube; a relay actuated switch for said transmitter and a circuit connecting the windings of the said relay with the grid-cathode path of said tube, and including a key functioning to control the flow of energy through said tube and to transmit signalling impulses to said transmitter through said key circuit; means in the grid circuit of the tube comprising a positive source of potential to place said tube in conductive condition when said key is depressed; and means to maintain the tube in conductive condition

comprising an electrical condenser charged by the action of said key and including a resistance to prevent the discharge of the condenser while normally transmitting signal impulses.

1,981,862
MACHINE FOR MAKING ICE CREAM CONES AND THE LIKE

John P. Groset and Christ J. Halset, Chicago, Ill., assignors to Ideal Machine Company, Chicago, Ill., a corporation of Illinois

Application January 10, 1931, Serial No. 507,800
9 Claims. (Cl. 107—58)

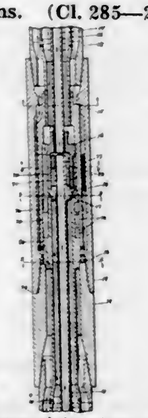


1. An ice-cream cone machine comprising a frame, a plurality of mold supports movably mounted on said frame, means for moving said supports longitudinally of said frame, means for molding cones mounted on each of said supports on each side of the path of motion thereof, each of said means comprising a matrix having a plurality of cone molding cavities therein, a plurality of cores, and means for passing said cores into and out of the respective cavities, each of said latter means comprising an arm pivoted to the side of said support opposite to that of the associated cavity.

1,981,863
TOOL JOINT

Irving C. Harris, Los Angeles, Calif.

Original application July 26, 1929, Serial No. 381,328. Divided and this application January 24, 1931, Serial No. 511,100. Renewed February 13, 1934
9 Claims. (Cl. 285—22)



1. A tool-joint, comprising two units with mating threaded portions, the outer end of each unit having three concentric sleeves adapted to be attached to the ends of three concentric pipe sections, the intermediate sleeve of one unit being adapted for welding to the intermediate pipe section at one end and attached by a threaded joint at the other end to a rotatable member which is centered within a bore and supported against a shoulder formed in the outer sleeve of the same unit, the said rotatable member and the threaded joint being adapted to allow adjustment of the relative axial position of the rotatable member and the intermediate sleeve, the said tool-joint when assembled having a central bore and two annular series of passageways forming communication between the inner pipe sections and between the spaces separating the inner and intermediate pipe sections and between the spaces separating the intermediate and outer pipe sections, respectively.

1,981,864
CONTAINER CLOSURE

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application February 20, 1931, Serial No. 517,245
5 Claims. (Cl. 220—53)



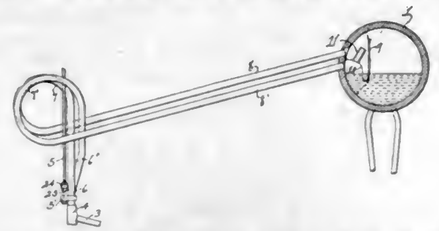
1. In a sheet metal container, a container body having a sealing peripheral area of predetermined diameter, a cover for said container having a depending flange forming a peripheral sealing area of predetermined smaller diameter than said sealing area of the body, the said sealing areas of the body and cover being straight in a vertical direction, so they may have a tight slip-fit, a portion of said flange being set off as a tearing strip, said flange including the tearing strip being adapted to be stretched within the limits of its elasticity by forcing the same over said sealing area of the body to form a tight seal therewith, said cover being permanently secured to the body by friction until the tearing strip is removed, and means formed in said body and said cover for providing an interlocking engagement therebetween after the removal of said tearing strip.

1,981,865
WATER TUBE BOILER

William A. Jones, Westerleigh, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Application October 15, 1929, Serial No. 399,752
24 Claims. (Cl. 122—488)

1. In a water tube boiler, a steam and water drum, uptake headers, and tube connections from said steam and water drum to said headers, said tube connections being provided with curved

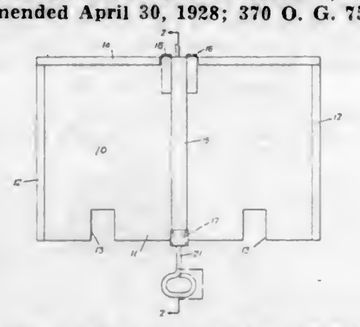


portions extending through more than 180° to separate water from steam passing therethrough.

1,981,866
CARBON CUTTING DEVICE

Bernard King, United States Navy

Application May 12, 1934, Serial No. 725,289
2 Claims. (Cl. 164—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



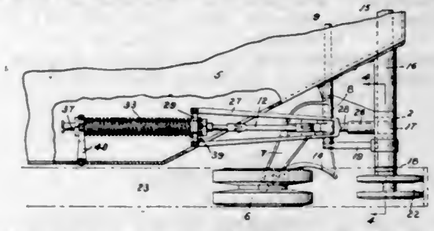
1. A paper cutter comprising a rectangular table, a pressure bar hinged to said table and adapted to fold across the width of said table, a slot in said pressure bar extending the length thereof, a rod adapted to extend through said slot, a knife blade detachably secured to one end of said rod and adapted to be moved through said slot by said rod, a slot in said table cooperating with the slot in said pressure rod, said knife blade being adapted to extend from said slot in said pressure bar to said slot in said table, a frame extending about three edges of said table and adapted to position a plurality of papers of predetermined size on said table, and a pair of recesses extending through the fourth edge of said table on opposite sides of said pressure bar.

1,981,867
TRACKLAYING VEHICLE

Harry A. Knox and Bert F. Baker, Davenport, Iowa

Application January 31, 1933, Serial No. 654,483
5 Claims. (Cl. 305—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a vehicle, a body, a shaft carried by the lower part of the body, an arm having one end pivotally mounted on the shaft, a wheel to which the other end of the arm is attached, a rod attached to the arm, a cylinder carried by the body, a disk in the cylinder having pins projecting therefrom, a spring in the cylinder seated on the disk and acting on the free end of the rod, a shaft carried by the body forwardly of and above the lower shaft, a brace connecting the shafts, a depending arm pivotally mounted on the upper shaft, a track idler wheel carried by said arm, a yoke attached to said arm and to the pins on the disk, a spring embracing the cylinder and acting

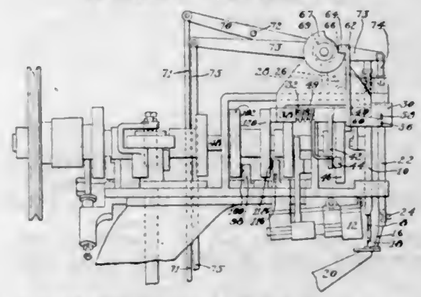


on the projecting pins on the disk, and a fixed seat on the cylinder for the other end of said spring.

1,981,868
SHOE SEWING MACHINE

Oscar L. Lawson, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 12, 1929, Serial No. 370,343
Renewed December 23, 1933
11 Claims. (Cl. 112—61)

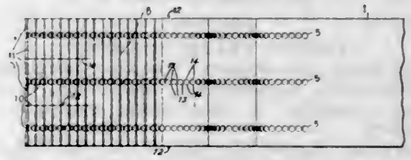


1. A shoe sewing machine having, in combination, sewing devices including a hooked needle, a work support, a presser foot, means for actuating the presser foot comprising a cam, connections between the cam and the presser foot including a clutch, and means for controlling the action of the clutch to release the presser foot to permit it to accommodate itself to the thickness of the work and to impart a uniform positive clamping movement towards the work support to the presser foot during each stitch forming cycle.

1,981,869
METHOD OF MAKING A CORRUGATED FASTENER

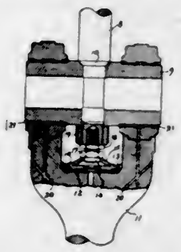
Joseph H. McFaul, Queens Village, N. Y.

Application September 9, 1931, Serial No. 561,876
13 Claims. (Cl. 10—34)



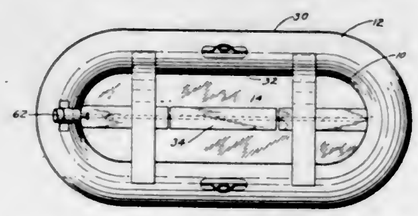
1. The method of making corrugated fasteners of the saw-toothed type, which consists in perforating a flat strip of sheet metal lengthwise along parallel lines thus partially forming the teeth in the strip while the latter is still in a flat condition, then corrugating the strip transversely, slitting the strip lengthwise between lines of perforations, and then slitting the strips along the lines of perforations.

1,981,870
ELASTIC POWER TRANSMITTING DEVICE
Edward C. Magdeburger, Washington, D. C.
Application May 16, 1933, Serial No. 671,372
11 Claims. (Cl. 309—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. In a device of the class described, two reciprocable power transmitting members, a pin forming a hinge connection therebetween, said pin having clearance in at least one bearing, and a deformable elastic washer between said members disposed to transmit thrust from one of said members directly and immediately to the other to the extent required to deform said washer through a distance equal to said clearance.

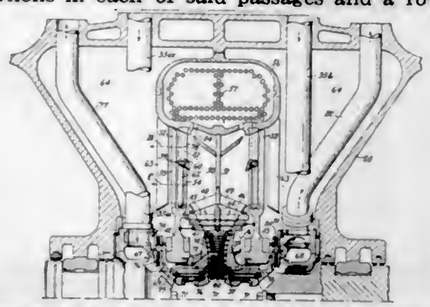
1,981,871
INFLATABLE FLEXIBLE BOAT
Frank G. Manson, Dayton, Ohio
Application May 19, 1932, Serial No. 612,362
3 Claims. (Cl. 9—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a folding boat comprising, a flexible bottom, an inflatable part connected to the bottom and serving when inflated as the supporting medium therefor, and a keel associated with said bottom for stabilizing said boat, said keel comprising a flexible, longitudinal pocket and a complemental member adapted to be received in said pocket for shaping said pocket.

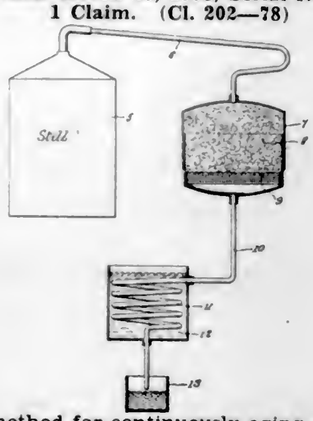
1,981,872
ELASTIC FLUID TURBINE
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden, a joint-stock company of Sweden
Application March 21, 1932, Serial No. 600,133
In Sweden March 24, 1931
15 Claims. (Cl. 253—16.5)

1. In a turbine of the character described, a radial flow blade system, an axial flow blade system adapted to receive motive fluid discharged from the radial flow blade system, and means providing radially separated inner and outer passages for flow of motive fluid through said axial flow blade system, said axial flow blade system comprising a row of moving blades having blade portions in each of said passages and a row of



moving blades situated in and confined to the radially inner of said passages.

1,981,873
METHOD FOR AGING AND COLORING WHISKY
Samuel C. Miller, Louisville, Ky., assignor, by mesne assignments, to The Frankfort Distillery, Louisville, Ky., a corporation of West Virginia
Application March 23, 1933, Serial No. 662,369
1 Claim. (Cl. 202—78)

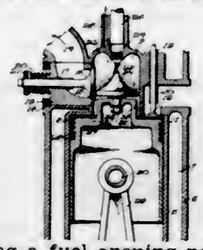


The method for continuously aging and coloring whisky during the distillation process, which consists in taking hot whisky vapors directly from a still and immediately passing the vapors through a body of wood shavings having a temperature lower than that of the vapors whereby to effect condensation of a percentage of the hot vapors on the wood shavings to extract the alcohol soluble wood extracts along with the tannin and whereby the subsequently flowing hot vapors vaporize and displace the prior condensate with the extracted solubles and tannin, collecting the remaining vapors and the condensate from the wood shavings, simultaneously condensing the remaining vapors and cooling the prior condensate containing the alcohol solubles, and collecting all of the condensate.

1,981,874
INTERNAL COMBUSTION ENGINE
Frank C. Mock, Montclair, N. J., assignor to Bendix Research Corporation, East Orange, N. J., a corporation of Indiana
Application February 17, 1931, Serial No. 516,410
12 Claims. (Cl. 123—32)

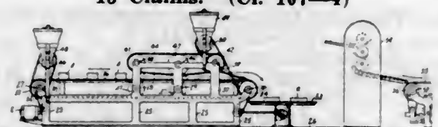
1. In an internal combustion engine, in combination, a cylinder, a piston, a combustion chamber at the head end of the cylinder, an exhaust valve in said combustion chamber adapted to

form a heated wall thereof, means for introducing a charge of air into the cylinder, means for forcing the charge of air into the combustion chamber and past the valve in a stream at high velocity during the compression stroke of the engine, deflecting means in the combustion chamber for reversing the direction of the air stream, a fuel



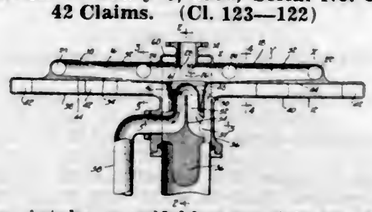
injector having a fuel opening parallel with the cylinder axis for introducing a fuel into the combustion chamber in the path of the air stream, and means in the chamber above the piston for heating and deflecting the stream of fuel toward the stream of incoming air to cause an intimate contact and diffusion of the fuel in the air.

1,981,875
COOKING MACHINE
Irvin F. McDonald, Los Angeles, Calif.
Application January 18, 1932, Serial No. 587,328
13 Claims. (Cl. 107—4)



2. In a turnover pie forming machine, the combination of a pair of coacting rolls having a cavity in the shape of the body of the finished product, a strip surrounding said cavity and having crimping teeth, a cutting member around the outside of said crimping strip, said rolls having opposed recesses for the accommodation of the trimmings cut by said cutting member, means acting to place a dough blank in the flat on said rolls, means acting to deposit a quantity of filling material on said dough blank while in the flat, and means acting to rotate said rolls in unison, whereby they act to draw the center of the blank downwardly between them causing the sides of the blank to be folded around the filling material and the edges to be overlapped, sealed, crimped together and trimmed, the finished turnover pie being discharged downwardly from between the rolls.

1,981,876
CHARGE FORMING AND DISTRIBUTING MANIFOLD
Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application February 6, 1931, Serial No. 513,804
42 Claims. (Cl. 123—122)



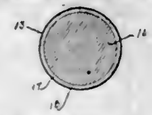
1. An intake manifold comprising a hollow member including branches having an intermediate opening for supplying a charge mixture thereto, each of said branches including an upper portion of uniform cross section, and a lower portion extending below the general outline of the upper portion and merging therewith to complete the branch passage, the successive cross-sections of said lower portion having substantially equal radii and being described about centers decreasing in distance below the axis of the upper portion in the direction towards the outer end of the branch.

1,981,877
METHOD OF AND MATERIAL FOR FILTRATION
Guy C. Pierce, Los Angeles, Calif., assignor to Ella L. Pierce, Los Angeles, Calif.
Application June 13, 1932, Serial No. 616,960
13 Claims. (Cl. 210—203)



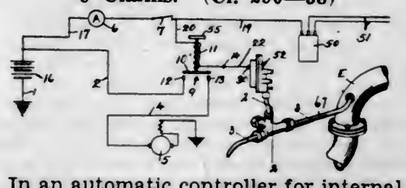
1. As a filtering medium, diatomaceous earth in particle sizes between 30 and 180 mesh and comprising substantially rigid bodies and diatomic structures protruding from said rigid bodies.

1,981,878
LAMP, FILAMENT, AND PROCESS OF MAKING THE SAME
Samuel Ruben, New Rochelle, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application September 23, 1929, Serial No. 394,651
Renewed January 25, 1934
3 Claims. (Cl. 176—132)



1. A filament for electric lamps consisting of molybdenum metal having a coating of beryllium and molybdenum mixture and an oxide of beryllium.

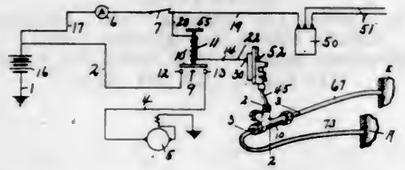
1,981,879
AUTOMATIC CONTROLLER FOR INTERNAL COMBUSTION ENGINE STARTERS
Gordon B. Sayre, Syracuse, N. Y., assignor to Remowen Corporation, Syracuse, N. Y., a corporation of New York
Application December 26, 1931, Serial No. 583,356
9 Claims. (Cl. 290—38)



8. In an automatic controller for internal combustion engine starters, a normally broken starting motor circuit, means for closing said starting

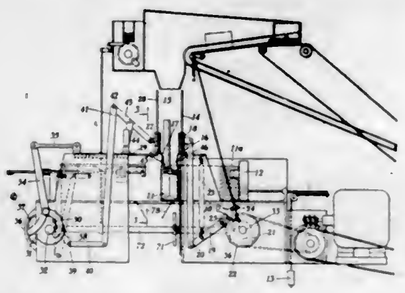
motor circuit comprising a vacuum-operated device, said vacuum-operated device being operable by the flow of gases through the exhaust manifold of the engine.

1,981,880
AUTOMATIC CONTROLLER FOR INTERNAL COMBUSTION ENGINE STARTERS
Gordon B. Sayre, Syracuse, N. Y., assignor to Remowen Corporation, Syracuse, N. Y., a corporation of New York
Application December 26, 1931, Serial No. 583,357
7 Claims. (Cl. 290—38)



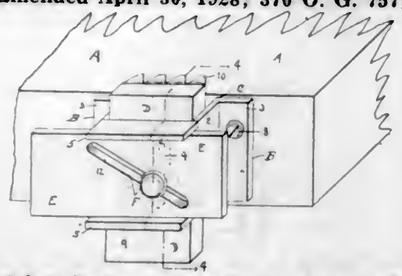
5. In an automatic controller for internal combustion engine starters, an internal combustion engine having intake and exhaust manifolds, a starting motor, a normally broken starting motor circuit, means for closing said starting motor circuit comprising a pressure-operated device, and conduit means connecting said intake and said exhaust manifolds operably associated with said pressure-operated device, said pressure-operated device being responsive to the flow of gas between said manifolds.

1,981,881
PACKING APPARATUS
Henry Cecil Sumner, Wyberton, Frederick John Taylor and Frank Langley, Kirton, England
Application February 1, 1933, Serial No. 654,741
In Great Britain February 2, 1932
15 Claims. (Cl. 226—51)



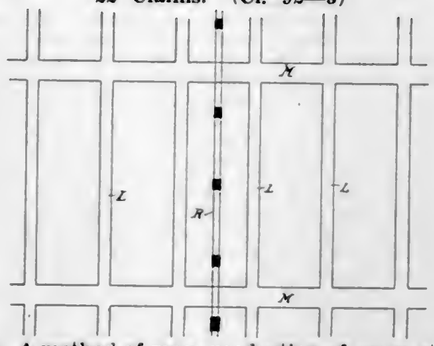
4. In bag-opening apparatus for opening bags from a flattened condition the combination of means for positioning a flattened bag at an opening station, a blade movable towards the mouth of the bag at said station, means for deflecting said blade into the bag upon such movement to open partially the bag, a plurality of bag-opening fingers, means for inserting said fingers into the partially opened bag and for moving them apart to complete the opening and mechanism for filling the bag thus opened and mechanism for closing and sealing said filled bag, comprising a bag-piercing and skewer-carrying needle, means for forcing said needle, carrying with it a skewer, through the walls of the bag from one side to the other and back again, and means for withdrawing said needle leaving the skewer in position to fasten the bag.

1,981,882
BENCH DOG
Charles J. Symmonds, Chevy Chase, Md.
Application May 18, 1934, Serial No. 726,337
9 Claims. (Cl. 144—306)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. A bench stop comprising a bracket adapted to be secured to the edge of a work bench, a dog vertically adjustable in the bracket, a slide mounted for reciprocatory movement in said bracket and movable at right angles to that of the dog, means in connection with said slide and dog whereby movement of the slide will effect adjustment of the dog, and spring means coacting with said slide and said first mentioned means to frictionally secure said slide in any adjusted position.

1,981,883
MASS PRODUCTION OF PAPER FIBERS FROM BANANA STALKS
Charles O. Tappan, New York, N. Y.
Application June 11, 1930, Serial No. 460,410
Renewed February 20, 1934
22 Claims. (Cl. 92—3)

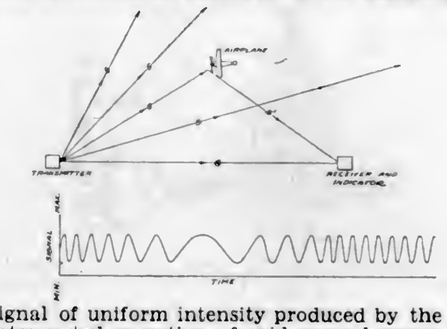


1. A method of mass production of paper stock from banana stalk butts on a plantation, said method comprising manually forming the butts on the plantation into bundles having the butts thereof parallel to each other; disposing the bundles parallel to a treatment line and untying the bundle while maintaining the butts parallel to the line; moving the parallel butts successively to the treatment line; and conveying the butts throughout the treatment line for subsequent treatment.

1,981,884
SYSTEM FOR DETECTING OBJECTS BY RADIO
Albert H. Taylor, Leo C. Young, and Lawrence A. Hyland, Washington, D. C.
Application June 13, 1933, Serial No. 675,624
12 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

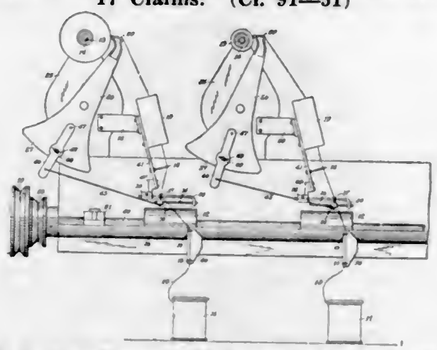
1. A system for the detection of moving objects, comprising a radio transmitter, a radio receiver

remotely situated with respect to said transmitter capable of constantly receiving the ground waves emitted by said transmitter and intermittently receiving the sky waves emitted by said transmitter, a moving object intervening or adjacent said transmitter and receiver, and a device connected to said receiver for indicating a



signal of uniform intensity produced by the uninterrupted reception of said ground waves and for indicating a signal of variable amplitude produced by an interference pattern set up by the interference of said ground waves with the reradiated sky waves of said transmitter, said reradiated sky waves emanating from said intervening or adjacent object.

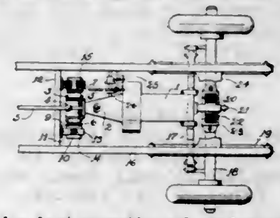
1,981,885
THREAD-TREATING DEVICE
Harry S. Toole and James W. Mitchell, Kenmore, N. Y., assignors to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application October 30, 1933, Serial No. 695,777
17 Claims. (Cl. 91—51)



1. In a winding machine, thread winding mechanism, a wiper roll adapted to wipe against the thread on its way to said winding mechanism, means extending longitudinally of said roll adapted to engage the thread to control the path of travel thereof over said roll, and means to shift the thread along said first means whereby the path of the thread over said roll may be varied.

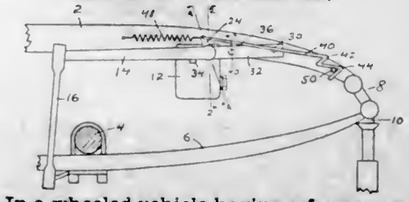
1,981,886
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.
Original application November 24, 1928, Serial No. 321,634. Divided and this application December 12, 1932, Serial No. 646,905
20 Claims. (Cl. 180—64)

1. In an automotive vehicle, the combination of an engine unit, means mounting an end portion of the engine unit on the vehicle for torque cushioning movement, means mounting the other end portion of the engine unit on the vehicle for bodily movement thereof, and normally inactive cushion means arranged to limit the bodily move-



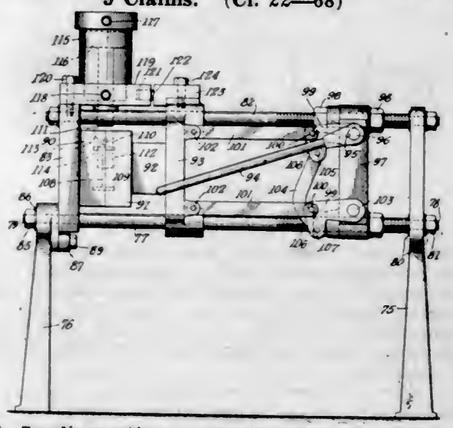
ment of the last-mentioned end portion in any transverse direction relative to the vehicle.

1,981,887
VEHICLE JACKING DEVICE
Ralph L. Tweedale, Washington, D. C.
Application February 3, 1931, Serial No. 513,342
Renewed March 30, 1933
23 Claims. (Cl. 188—88)



1. In a wheeled vehicle having a frame, an axle, a spring connecting the frame and axle for relative movement, the combination of a shock absorber having relatively movable members yieldably connecting the frame and axle, means for locking the shock absorber members against relative movement in at least one direction and a member operable from a readily accessible point on the vehicle for controlling the locking means whereby the vehicle may be jacked up by applying a jack under the frame instead of under the axle.

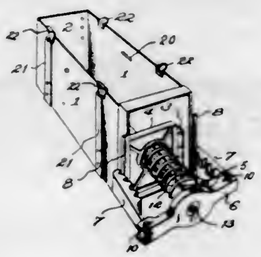
1,981,888
DIE-CASTING APPARATUS
Anton F. Waltz, Flushing, N. Y., assignor to Edgar N. Dollin, Malba, N. Y.
Application April 20, 1931, Serial No. 531,322
5 Claims. (Cl. 22—68)



1. In die-casting apparatus, two die members with vertical inner faces provided with casting cavities, a vertical well half in one die member and half in the other and a channel at the side of said well communicating with the upper part of the casting cavities; a plunger to fit in said

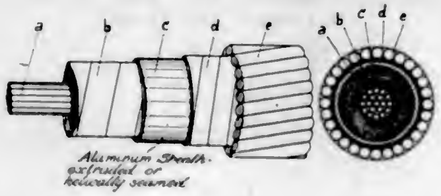
well; means to depress said plunger and displace hot metal in said well to force it into the casting cavities; and means for separating said die members to remove a casting and for forcing them together preparatory to forming another die-casting.

1,981,889
MOLDING RECTANGULAR BONED MEAT
Oscar Wolff, Chicago, Ill.
Application July 29, 1931, Serial No. 553,851
5 Claims. (Cl. 100—57)



4. A mold having three sides attached to each other and a covering for another side of the mold, said covering having upstanding sides adapted to be telescoped and pressed sidewise between two of the other sides to contract the mold sideways, a follower in one end of the mold to press the meat endwise, said follower having a post attached thereto and a rod extending into the post and carrying a cross-head, and a spring interposed between the cross-head and follower.

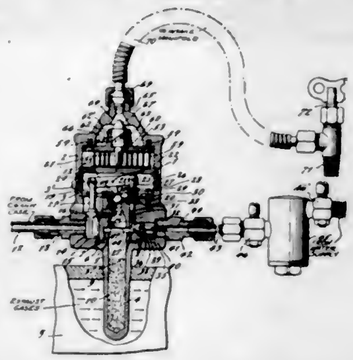
1,981,890
ELECTRIC CABLE
Georg Zapf, Cologne, Germany, assignor to Felten and Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application November 5, 1928, Serial No. 317,384
In Germany November 19, 1927
3 Claims. (Cl. 173—266)



3. An electric cable including a core and a water-tight sheathing, said water-tight sheathing consisting essentially of aluminum and being of a constituency shapable at temperatures comparable with those for the shaping of lead, viz, somewhat over 300° C., and said water-tight sheathing being pressed in surrounding relation to said core.

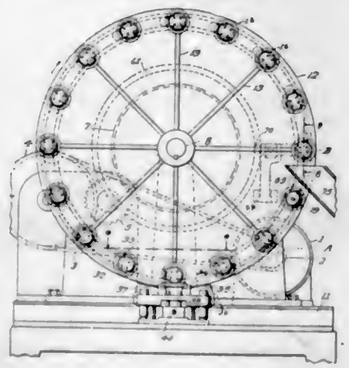
1,981,891
VAPORIZER FOR GAS ENGINES
Jacob Woermann, Glendale, Long Island, N. Y.
Application May 20, 1932, Serial No. 612,457
8 Claims. (Cl. 123—119)

1. In a vaporizer for an internal combustion engine, a water connection, a connection for a mixture of oil vapor and air, a supporting tube for said vaporizer closed at one end to be placed in a hot zone, and means located in the vapor



space of the vaporizer to open said water connection after the vapor space of the vaporizer has become heated.

1,981,892
BRANDING MACHINE
Raymond M. Zimber, Bloomfield, and Harry Alexander, Jersey City, N. J., assignors, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application October 5, 1929, Serial No. 397,608
25 Claims. (Cl. 101—8)

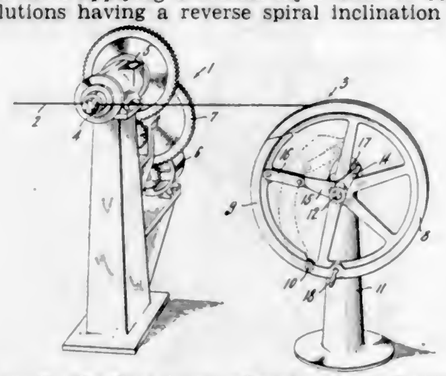


1. In a machine of the character described a continuously moving platform carrying a plurality of articles to be branded, a yieldably supported die, means for heating said die, and means for positively limiting the depth of impression caused by said die.

1,981,893
TIRE BEAD AND METHOD FOR MAKING THE SAME
Adrian O. Abbott, Jr., Grosse Point Park, Mich., assignor to Morgan & Wright, Detroit, Mich., a corporation of Michigan
Application June 11, 1931, Serial No. 543,612
8 Claims. (Cl. 154—14)

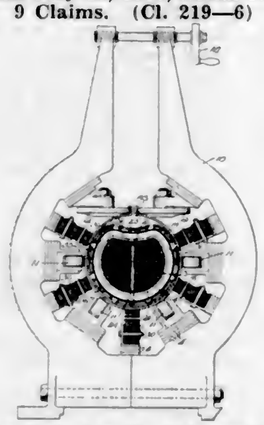
3. The method of forming a tire bead which comprises winding a layer of convolutions of a single strand of wire having a spiral inclination

and then applying a second layer with its convolutions having a reverse spiral inclination to



those in the first layer whereby the individual convolutions of adjacent layers cross each other.

1,981,894
METHOD AND APPARATUS FOR FORMING AND WELDING ARTICLES
James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio
Application July 15, 1930, Serial No. 468,176
9 Claims. (Cl. 219—6)

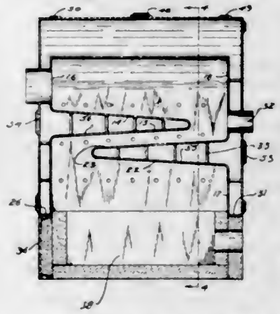


2. In a method of welding a seam between two metal edges, the steps including bending the edges back on themselves to form guide-receiving spaces, moving said edges in spaced relation along guides extending into the spaces, causing the bent back edges to approach each other, causing welding current to flow therebetween, and shielding the metal adjacent said bent back edges from material ejected between the latter.

9. Apparatus for progressively welding a formed tubular blank having bent back edges, comprising means engaging said edges for spacing them apart and positioning them radially relative to the blank, means for feeding the blank forward, means for supplying heating current thereto, and means for pressing the heated edges together.

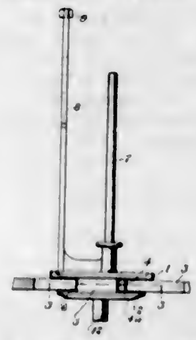
1,981,895
BOILER
Guy L. Banta, Portland, Oreg.
Application January 11, 1933, Serial No. 651,148
2 Claims. (Cl. 122—165)

1. In a device of the class described, the combination of an outer shell formed from a rectangular sheet of material into a member having an inverted U-shaped cross section; a pair of outer end members shaped to conform to the ends of the outer shell member and attached thereto, and having inwardly projecting flanges along their lower ends; an inner shell formed from a rectangular sheet of material into a member having an inverted U-shaped cross section, and provided with outwardly projecting flanges along its lower ends, and having staggered pairs of complementary V-shaped slits



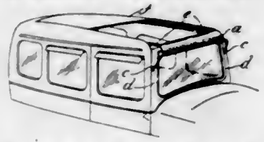
extending longitudinally of its sides; the said outwardly projecting flanges being adapted for attachment to the lower edges of the outer shell member; a pair of inner end members shaped to conform to the ends of the inner shell member and attached thereto, and provided with reverse bends adapted to nest within the V-shaped slits disposed within the inner shell member and attached thereto, the lower ends of the inner end members being attached to the inwardly projecting flanges of the outer end members.

1,981,896
BRAIDER BOBBIN CARRIER
Bruce N. Bavis, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 6, 1932, Serial No. 609,642
2 Claims. (Cl. 96—13)



1. A braider bobbin carrier, adapted for use with a slotted bobbin carrier platform, comprising a spindle for holding the bobbin, a stem for directing the strand unrolled from the bobbin, a pair of spaced members adapted to engage opposite sides of the said platform, an elongated continuous fin connecting the said members, adapted to extend through and ride in the slots in the said platform, and being of length at least substantially equal to the distance between the said spindle and stem, and a rotatable protecting element disposed adjacent to the forward end of the fin and in line therewith.

1,981,897
BODY FOR MOTOR VEHICLES
William Henry Bishop, Birmingham, England
Application July 9, 1932, Serial No. 621,589
In Great Britain October 16, 1931
8 Claims. (Cl. 296—95)



1. A sun visor for a vehicle body comprising a curved front edge of the roof merging smoothly into the plane of the windscreen, and a cover fitting over said curved edge and conforming when in one position with the normal contour of said curved edge, means for operatively connecting the front and rear margins of the cover with said body and about which said cover may be swung forwardly from said one position into another position in which it extends forwardly above the upper part of the windscreen.

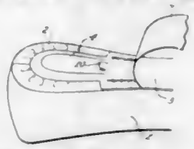
1,981,898
VALVE STEEL
Alfred L. Boegehold and Arthur A. Peterson, Detroit, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application December 7, 1932, Serial No. 646,151
2 Claims. (Cl. 75—1)

1. An alloy steel having substantially the following composition:

	Percent
Silicon	3.40–4.40
Chromium	2.60–3.00
Aluminum	0.20–0.60
Molybdenum	0.75–1.50
Titanium	0.25–1.50
Carbon	0.30–0.50

and the remainder being substantially iron.

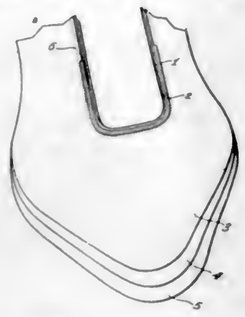
1,981,899
PROCESS AND APPARATUS FOR PREPARING THE HEEL END OF A SOLE
Arthur J. Brauer and Frederick P. Wagner, St. Louis, Mo.
Application June 22, 1929, Serial No. 372,846
12 Claims. (Cl. 12—31.5)



1. The process of preparing the heel end of a sole, comprising, forming a narrow shoulder on the sole at the breast line and approximate the median line.

1,981,900
SHOE AND PROCESS OF MAKING SAME
Arthur J. Brauer and Frederick P. Wagner, St. Louis, Mo., assignors to Brauer Bros., Inc., St. Louis, Mo., a corporation of Missouri
Application April 25, 1932, Serial No. 607,248
10 Claims. (Cl. 12—146)

1. In the art of making shoes the process comprising, securing a reenforcement to the throat margin of an upper lining on the flesh side thereof, placing the grain side of the lining in contiguous relation to the grain side of the outside upper material at the throat margin,

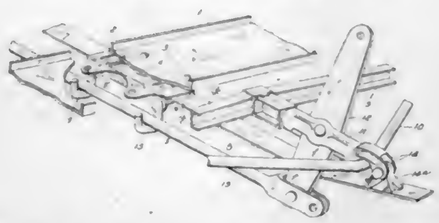


and securing the marginal portions of the outside upper material and lining together at the throat independently of the reenforcement.

1,981,901
ALKALI METAL SALT OF ELAIDYL SULPHURIC ESTER
Hugh Mills Bunbury and Alfred William Baldwin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 2, 1933, Serial No. 674,120. In Great Britain June 6, 1932
6 Claims. (Cl. 260—99.12)

1. Process for the manufacture of new sulphuric ester salts comprising the treatment of elaidyl alcohol with the addition product of sulphur trioxide and a tertiary base, and converting the resulting sulphuric ester into its alkali metal salt.

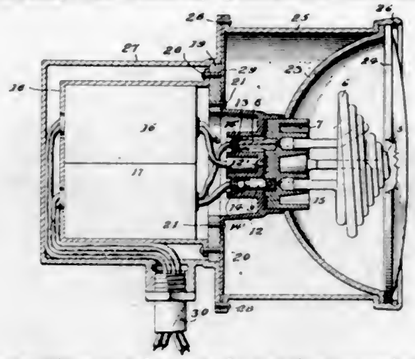
1,981,902
SAFETY DEVICE FOR BRAKE RODS
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1931, Serial No. 582,454
16 Claims. (Cl. 188—210)



13. In combination, a railway truck part, a brake beam guard, guide or support device secured thereto, and a bottom rod guard pivotally secured to said device and solely supported thereby.

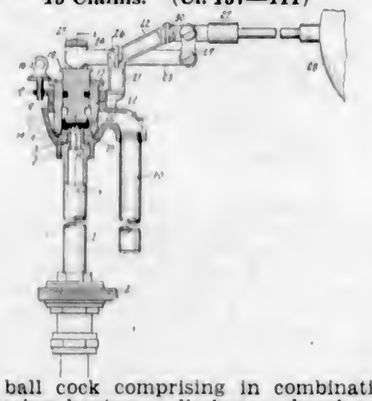
1,981,903
LUMINESCENT GAS LIGHTING APPARATUS
Joseph O. Cadieux, Meriden, Conn., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn., a corporation of Delaware
Application October 30, 1930, Serial No. 492,321
8 Claims. (Cl. 176—122)

1. A multiple tube lamp comprising two helicospiral sections mounted one within the other, the inner section being arranged in front of the outer section, said sections have terminal ends extending substantially parallel to the axes of



the sections and spaced apart approximately ninety degrees around the axis of the lamp.

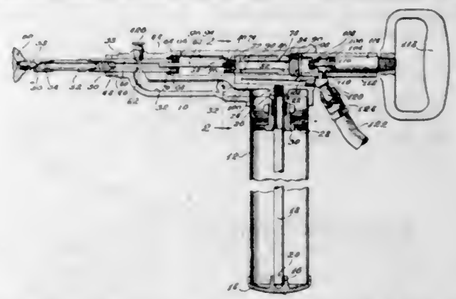
1,981,904
BALL COCK
Herbert D. Clemmons, Sturgis, Mich., assignor to Scovill Manufacturing Company, Sturgis, Mich.
Application April 2, 1934, Serial No. 718,547
15 Claims. (Cl. 137—111)



5. A ball cock comprising in combination a valve casing having a discharge chamber provided at its bottom with an annular V-groove, an inlet nozzle terminating in a valve seat within said chamber, the valve casing having a bore alined axially with said nozzle, a valve sleeve removably mounted in said bore for longitudinal adjustment and having a V-rim at its lower end coacting with said V-groove to provide an annular V discharge passage, and a valve slidably disposed within said sleeve for coaction with said valve seat.

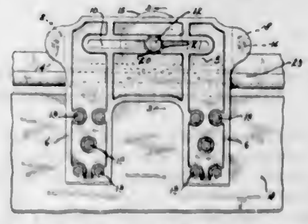
1,981,905
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 20, 1933, Serial No. 657,497
5 Claims. (Cl. 221—47.4)

1. In lubricating apparatus of the class described, the combination of a high pressure cylinder and plunger, means to supply lubricant to said high pressure cylinder, a reciprocating air motor operably connected with said plunger, a source of air under pressure, a valve located between said source and said air motor, a handle for holding the gun against a fitting to be supplied with lubricant, a piston connected to said handle and exposed to air under pressure, and



an operating connection between said valve and said piston.

1,981,906
SIDE DOOR HANGER
Ethan I. Dodds, Jr., Central Valley, N. Y., assignor to The Midland Company, South Milwaukee, Wis., a corporation of Wisconsin
Application March 26, 1934, Serial No. 717,411
4 Claims. (Cl. 16—98)



1. In a door hanger, spaced frame members having registering slots therein, a bolt adapted for adjustment along said slots, means for clamping said bolt to said frame members in various positions of adjustment, a bearing sleeve carried by said bolt between said frame members and adapted to be clamped in a fixed position, and a rail engaging wheel rotatably embracing said sleeve.

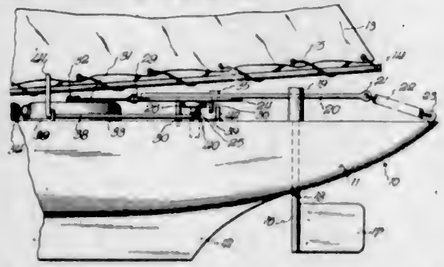
1,981,907
DISCHARGE PRINTING
Frederick Baxter Downing, Carneys Point, N. J., and Richard Gesse Clarkson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1931, Serial No. 537,748
11 Claims. (Cl. 8—5)

1. A composition of matter comprising a gum, sodium - formaldehyde - sulfoxylate, di - ethylene glycol and zinc thiocyanate.

1,981,908
BOAT
Hugh G. Dugan, Hinsdale, Ill.
Application September 21, 1931, Serial No. 563,909
16 Claims. (Cl. 46—37)

1. The combination with a pilotless boat having means for steering the same, means for initially holding the steering means in position to direct the boat away from starting position, spring actuated rotating means for engaging said steering means mechanically to reverse the direction of travel of the boat after a preselected time-

controlled movement, and means for positively returning the steering means to initial position upon reversal of the boat.



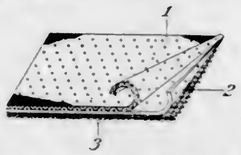
6. In a boat, sails therefor, booms secured to said sails, main sheets attached to said booms and normally holding said booms in position with respect to said vessel, secondary sheets secured to said booms and inoperative when said main sheets are in normal position, means for reversing automatically the movement of said vessel, means actuated by said reversing means to release said main sheets, means secured to said sheets for allowing said booms to assume a free running position with respect to said vessel when said sheets are released.

1,981,909

IMPROVED PERFORATED CORSET MATERIAL AND METHOD OF MAKING THE SAME

Ralph J. Dunn and Harold D. McLean, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application March 17, 1933, Serial No. 661,340
6 Claims. (Cl. 154—2)



1. A process of preparing elastic rubber garment material comprising cutting a plurality of holes in a material comprising two layers of knitted fabrics joined by a layer of a rubber composition, compressing said material to embed the cut ends of the fibers adjacent the peripheries of said holes in the rubber and vulcanizing said material.

4. An elastic rubber garment material comprising a plurality of layers of knitted material joined by a layer of rubber composition, said garment material being perforated with a plurality of holes, the cut fibers adjacent the peripheries thereof being compressed into the rubber before vulcanizing.

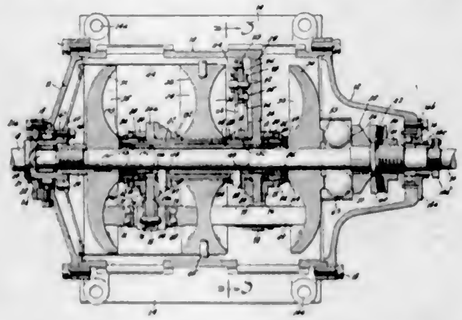
1,981,910

FRICTION TRANSMISSION

Jacob Ehrlich, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 18, 1929, Serial No. 414,899
28 Claims. (Cl. 74—200)

1. In a friction transmission mechanism, a race, a roller adapted to engage one face of the race at varying distances from the race axis, means for holding the roller in tractive engagement with the race, and means for inclining the roller in a plane transverse of the race axis about an axis radially outward from the roller center plane



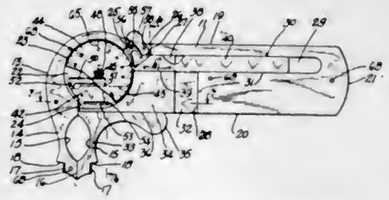
that passes thru the point of contact of the roller with the race.

1,981,911

RING AND FINGER GAUGE

Monroe Engelsman, New York, N. Y.

Application November 16, 1933, Serial No. 698,275
2 Claims. (Cl. 33—147)



1. A gauge having an elongated plate having a straight guide recess extending into proximity to one end thereof, a housing recess at the second end of the plate in communication with the guide recess, said plate having a fixed jaw at said second end thereof, a complementary jaw, means movably supporting the latter including a bar movable along the guide recess, a dial rotatably mounted in the housing recess, a pinion coaxially secured to the dial, an arm fixed with respect to said movable jaw and movable therewith, a rack engaging the pinion and connected to said arm, the latter and the rack being movable into the housing recess, and the rack and arm being interconnected at one end and being otherwise spaced from each other whereby the rack resiliently engages the pinion, the connection between the arm and rack being at the ends thereof adjacent to the second end of the plate.

1,981,912

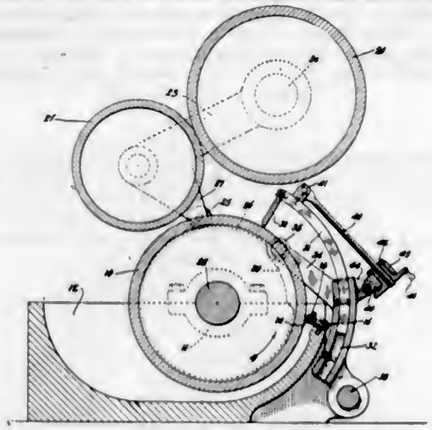
PRINTING PRESS

Harland Fankboner, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application March 10, 1932, Serial No. 597,975
19 Claims. (Cl. 101—350)

1. The method of controlling the amount of ink supplied from an ink fountain which includes coating a moving surface with a film of ink, periodically removing all of said film from a portion of said surface, transferring ink to an ink train from a portion of said surface and varying the position of the removed film to vary the amount of ink transferred.

5. An inking mechanism for printing presses including in combination a fountain roller, an ink drum and transfer means for transferring ink from the fountain roller to said drum and means



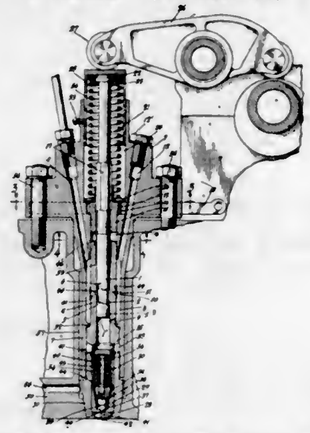
for intermittently and completely removing ink from a longitudinal portion of the roller.

1,981,913

FUEL PUMP

Arthur Fielden, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 5, 1933, Serial No. 669,491
8 Claims. (Cl. 103—41)



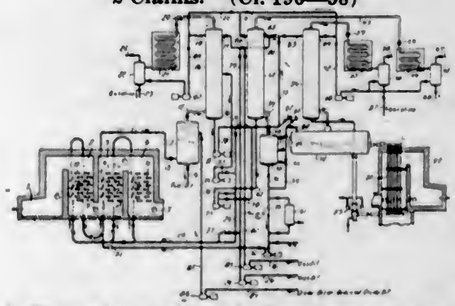
1. In a fluid pump, in combination, a cylinder, a plunger cooperative therewith as a pump for the pressure discharge of fluid from the cylinder through a delivery outlet provided with a loaded delivery valve, a pair of ports and coacting control edges therefor on the cylinder and plunger, comprising an inlet port and a bypass port spaced from each other, the bypass port opening from that part of the pressure space which is uppermost, at a point higher than the inlet port and the aforementioned delivery outlet, the ports and control edges together providing for bypassing of fluid, including any air or gas bubbles, out from the uppermost part of the pressure spaces of the pump cylinder after the closing of the inlet port and before the pressure discharge through the loaded delivery valve, for the beginning of pressure discharge upon closure of the bypass port and for closure of the delivery valve by the opening of one of the ports to relieve the fluid pressure after the discharge of a measured quantity of fuel through the delivery valve.

1,981,914

ART OF CRACKING HYDROCARBONS

Eugene C. Herthel, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application June 29, 1929, Serial No. 374,860
2 Claims. (Cl. 196—58)



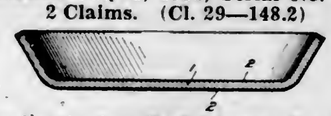
1. In cracking higher boiling hydrocarbon oils to produce lower boiling hydrocarbon oils, the improvement which comprises forcing a high boiling distillate oil successively through primary and secondary stages in a heating zone under superatmospheric pressure and thence into an expansion chamber, heating the distillate oil to a cracking temperature as discharged in the primary stage, introducing a concentrated residual tar from a pressure distillation cracking operation into the oil passing from the primary stage to the secondary stage in the heating zone, heating the oil in the secondary stage to a temperature as discharged from the secondary stage lower than the temperature as discharged from the primary stage, reducing the pressure on the oil passing from the secondary stage in the heating zone to the expansion chamber, taking off vapors including vapors of the desired lower boiling hydrocarbon oils from the expansion chamber and discharging residue from the expansion chamber.

1,981,915

MANUFACTURE OF METAL WARE

August Hormel, Hoboken, and Walter Russell, Ridgewood, N. J.; said Russell assignor to said Hormel

Application July 1, 1932, Serial No. 620,440
2 Claims. (Cl. 29—148.2)



1. The herein described process of making corrosion resisting sheet metal ware which consists in uniting with a core sheet of ferrous metal of corrosive characteristics, surface layers of acid resisting ferro-chromium alloy, cutting out blanks of said compound metal, subjecting said blanks to the action of an acid to remove a portion of the core metal at the edge portions of the blank thereby to leave marginal extensions of the surface alloy, applying a protective material to the exposed surfaces of the core metal and finally turning over said extension alloy metal to give protection to the edges of the finished ware.

1,981,916

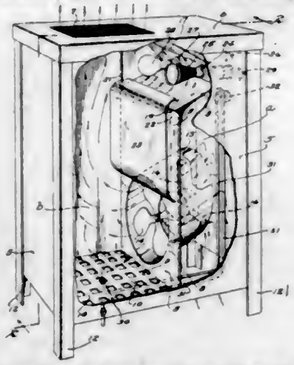
HUMIDIFIER

Burton L. Huntley, Minneapolis, Minn.

Application December 2, 1932, Serial No. 645,371
14 Claims. (Cl. 219—39)

1. In a device of the kind described, a casing formed with a vaporizing chamber provided at its

bottom with a drip pan, a water-spraying device arranged to deliver a spray above said pan, means for forcing a circulation of air through said vaporizing chamber, an offset warming chamber



opening into the upper portion of said vaporizing chamber, and means for shunting a part of the circulated air through said warming compartment.

1,981,917

MULTICOLOR PENCIL

Kesao Kimura, Terajimacho, Mukojimaku, Tokyo, Japan

Application July 3, 1933, Serial No. 678,906
In Japan May 23, 1933
4 Claims. (Cl. 120—14)



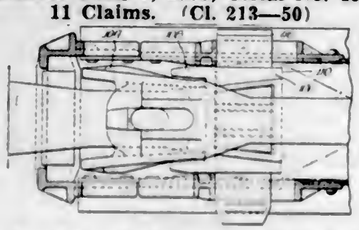
3. A multicolor pencil having in combination a case, a tubular revolvable feed screw mounted within said case, said screw including a right and left hand helix the ends of which are joined to form a single continuous path around said screw, a plurality of lead holders disposed inside of said screw in parallelism therewith, each of said holders having a shoe adapted to engage said helix, each of said holders having a raceway for guiding same longitudinally within said screw, and means for rotating said screw with relation to said raceways whereby longitudinal motion may be supplied to all of said holders.

1,981,918

COUPLER

Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application June 9, 1930, Serial No. 459,871
11 Claims. (Cl. 213—50)



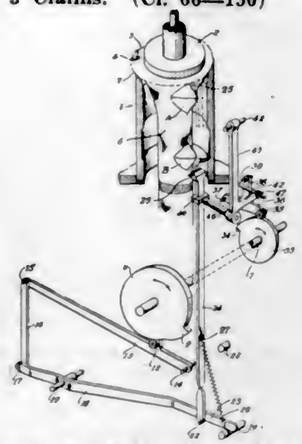
1. In a draft mechanism, the combination of a yoke adapted to carry a draft gear, and a front follower member for said gear, said member having guide arms exteriorly of the yoke and engageable therewith to prevent relative lateral movement between said yoke and follower.

1,981,919

KNITTING MACHINE

Patrick P. La Montagne, Kankakee, Ill., assignor to Paramount Textile Machinery Company, Kankakee, Ill., a corporation of Illinois

Application May 2, 1931, Serial No. 534,546
3 Claims. (Cl. 66—150)



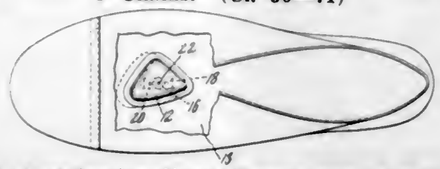
1. In a knitting machine for making circular knitted fabric, mechanism for applying a local tension to the fabric adjacent a pocket portion thereof to facilitate rib knitting comprising a shaft, a grab member, a first cam on the shaft, connections operable by the first cam for moving the member into a position free of and adjacent the portion of the fabric to be engaged, a second cam on the shaft, and connections operable by the second cam for positively moving the member into engagement with the fabric, the member thereafter applying a pull to the engaged portion of the fabric.

1,981,920

ADJUSTABLE ARCH SUPPORT FOR FOOTWEAR

Joseph Lelyveld, Rockland, Mass.

Application January 3, 1934, Serial No. 705,065
3 Claims. (Cl. 36—71)



1. A variously adjustable arch support including a pad of compressible material having a bottom face conformable to the top face of an inner sole and a convex top face sloping outward and downward from its central portion to the margin of the bottom face, said central portion being relatively thick, and adjustable securing means for slidably and rotatively connecting the pad with any desired portion of an inner sole, said means comprising a rivet composed of a head embedded in the thicker portion of the pad, and a shank projecting from the head below the bottom face of the pad, and an anchoring plate having means separably engageable with different portions of an inner sole to prevent movement of the plate relative to the sole, and an elongated guiding slot receiving the shank, the latter having an enlargement bearing on the under side of the plate at opposite edges of the slot and pressing the plate closely against the bottom face of the pad, a portion of the pad being above and

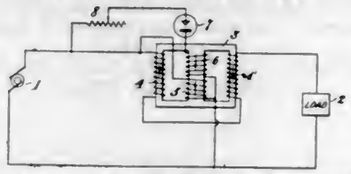
cushioning the rivet, a lower portion of the pad being compressed by the rivet to frictionally oppose accidental movements of the pad, the rivet being rotatable in the slot and movable lengthwise thereof to permit rotary and rectilinear adjustments of the pad.

1,981,921

ELECTRIC CONTROLLING APPARATUS

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application August 10, 1932, Serial No. 628,135
29 Claims. (Cl. 171—242)



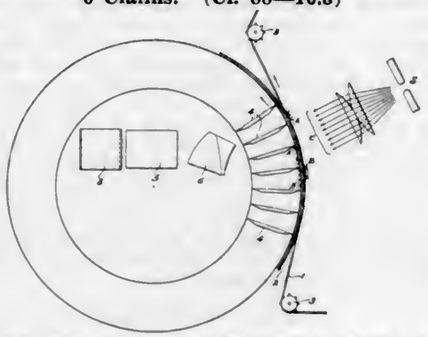
29. The combination of a source of alternating current, a reactor core, a magnetizing winding on said core supplied with alternating current from said source, a second magnetizing winding on said core, means for supplying to said second magnetizing winding a uni-directional pulsating current of the same frequency as the half-waves of the alternating current supplying said first named winding, means for adjusting in value the relative amplitude of the currents in said windings, and a consumption circuit subjected to the joint effect of said windings.

1,981,922

PICTURE PROJECTING AND VIEWING APPARATUS

Michael Bowman-Manifold, Worplesdon Station, England, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application August 15, 1931, Serial No. 557,286
In Great Britain August 23, 1930
6 Claims. (Cl. 88—16.8)



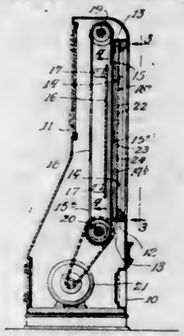
1. In moving picture apparatus of the type wherein the path of light between the object and its image is other than normal to either one of them, a correcting prism interposed in said light path between the object and the image for refracting the light, said prism comprising an achromatic combination of lenses, the entrant surface of the first lens having its center of curvature coincident with the center point of the object, said lenses having substantially the same refractive indices whereby light passes through their adjacent surfaces with substantially no refraction, and the emergent surface of the second of said lenses having a curvature extending in the same general direction as said entrant surface, but having its center located at a point between the curvature of said entrant surface and the said center point of the object.

1,981,923

ADVERTISING DEVICE

William W. Miller, Berwyn, Ill., assignor to General Outdoor Advertising Co., Inc., Chicago, Ill., a corporation of New Jersey

Application May 31, 1934, Serial No. 728,200
3 Claims. (Cl. 40—30)



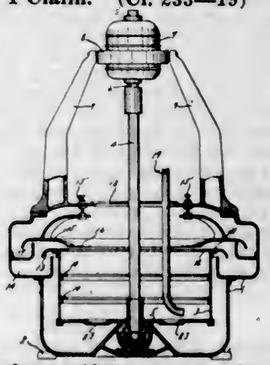
1. In an advertising device, a transparent face plate, a back plate, a band having a window and being movable in a plane between said back and face plates, opaque means depicting upon said face plate unchangeable features of a picture to be presented, said back plate bearing features of said picture to be changed, said last named features being disclosed through the part of the face plate left transparent to superpose the features on the face plate upon the features on the back plate, and means for moving said band to alternately mask and disclose features on said back plate.

1,981,924

PAPER PULP EXTRACTOR

Lemuel V. Reese and George W. Johnson, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application June 6, 1931, Serial No. 542,674
1 Claim. (Cl. 233—19)



Apparatus for purifying paper pulp, comprising a casing, a basket rotatably mounted in said casing, means for rotating said basket, means for delivering pulp to the lower portion thereof for treatment by centrifugal action whereby the pulp and impurities will be separated into vertically moving annular strata according to their various specific gravities, a plurality of vertically spaced imperforate circumferential flanges projecting in-

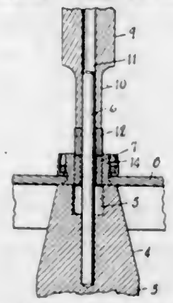
wardly equal distances from the wall of said basket to create and maintain a mat on the basket wall into which the impurities of greater specific gravity than pure pulp are driven and trapped, the topmost flange extending outwardly from the basket to discharge pure pulp, an annular skimming ring for separating impurities of less specific gravity than the pulp and segregating them therefrom, said skimming ring extending horizontally over the topmost flange and bending at its inner edge toward said flange, means for adjusting said skimming ring relative to the topmost flange whereby to permit the discharge opening for the pure pulp to be regulated in proportion to the rate of rotation of the basket and upward flow of the pulp stream, and the upper surface of said skimming ring serving to deliver the stratum of impurities of less specific gravity than the pulp from the basket.

1,981,925
FISHING REEL BUSHING APPLIANCE

Samuel G. Russell and Earle D. Clickner, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich.

Application January 2, 1934, Serial No. 704,822

6 Claims. (Cl. 29—88.2)



1. In a fishing reel bushing appliance, the combination of a base block having an annular bottom flange, a reel plate support mounted on said base block and having a tapered upper end portion and a removed bushing socket, the depth of which is equal to the length of the removed bushing, and a guide stem mounted in said support and projecting upwardly through the center of said socket and substantially above the top of said support, and a drift pin having a lower end of reduced diameter and a central longitudinal bore opening thereto for fittingly receiving said guide stem when the reel plate is arranged on said support with said guide stem projecting upwardly through the removed bushing and the new bushing is arranged on said guide stem above and in contact with the removed bushing, whereby the removed bushing is replaced by the new bushing on tapping the upper end of said drift pin with a hammer, said removed bushing socket limiting the downward travel of the parts so that the new bushing is accurately positioned axially of the reel plate when the operation of renewing the bushing is completed.

1,981,926
INSECTICIDE

Joseph Savage, Runcorn, Fred Holt, Weybridge, and Richard Thomas, Stockton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 20, 1931, Serial No. 558,332. In Great Britain August 23, 1930

10 Claims. (Cl. 167—22)

6. A cold-vulcanized oil containing a chlorinated hydrocarbon.

1,981,927
BEARING METAL ALLOY

Alfred W. Schluchter, Dearborn, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application November 12, 1932, Serial No. 642,462

4 Claims. (Cl. 75—1)

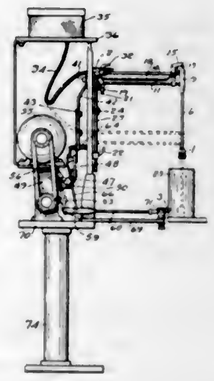
1. A plastic bronze bearing metal having 40 to 50% lead, 60 to 50% copper, and calcium to the extent of less than 0.1%.

1,981,928
ICE CREAM BRANDING MACHINE

Harry N. Sheppard and Samuel I. Powell, Seattle, Wash.

Application May 19, 1933, Serial No. 671,818

6 Claims. (Cl. 107—1)



5. In a branding machine, a plunger having feeding tubes extending therefrom, a supply tube extending upward from said plunger, an automatically operated valve in said supply tube, a stand upon which said plunger is slidably mounted, means adapted to move said plunger with a reciprocating motion, means adapted to open the valve in the supply tube as the plunger reaches the extreme of its movement in one direction, other means adapted to close said valve as the plunger moves in the opposite direction, a starting lever positioned to be engaged by a container as it arrives at a position in alignment with said plunger, said starting lever adapted to start the operation of said plunger, and a release adapted to stop the operation of said plunger as it arrives at one end of its movement.

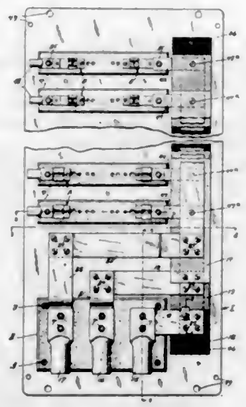
1,981,929
PANEL DISTRIBUTING BOARD

Henry F. Starrett, Chicago, Ill.

Application November 8, 1930, Serial No. 494,213

9 Claims. (Cl. 175—369)

1. A panel board construction comprising a set of standardized bases each having standardized holes therein to be tapped to receive and support the unassembled component parts of said board including insulators in a plurality of assembled relations, to provide a desired predetermined directional arrangement, and a plurality of unassembled component sets of current-carrying parts of different capacities arranged to be interchangeably assembled on said base in a plurality of positions to form boards of desired



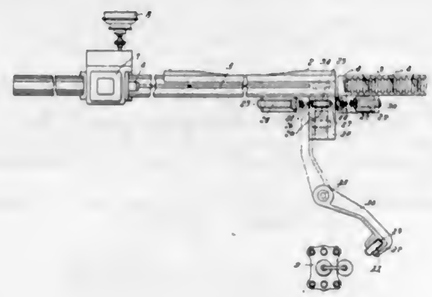
capacities and of the desired directional arrangements.

1,981,930
MANUFACTURE OF TUBES BY THE PUSH BENCH PROCESS

Frank A. Troxel, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 2, 1932, Serial No. 620,716

29 Claims. (Cl. 29—33)



1. In the manufacture of tubes by the push bench process, the steps comprising forming a bottle closed at one end and open at the other, reshaping the closed end of the bottle, and subsequently thinning and elongating the bottle in a push bench.

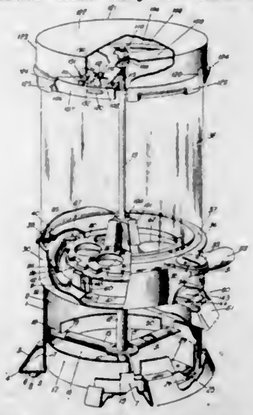
1,981,931
COIN CONTROLLED VENDING MACHINE

Frank H. Vogel and Ralph A. Vogel, Columbus, Ohio, assignors to The Columbus Vending Company, Columbus, Ohio, a corporation of Ohio

Application November 8, 1930, Serial No. 494,212

7 Claims. (Cl. 194—85)

1. A vending machine comprising a vender lever plate, a coin slot in said plate, a feeding plate having a plurality of notches therein, a detent member for cooperation with said notches, means on said vender lever for positively driving said detent member into any of said notches, said



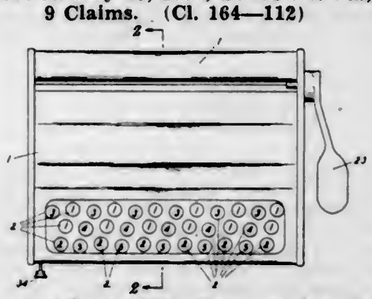
detent member being also maintained in engagement with said notches by a resilient means.

1,981,932
PUNCHING MACHINE

Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio

Application July 25, 1933, Serial No. 682,042

9 Claims. (Cl. 164—112)



1. In a machine of the character described for punching a card bearing certain indicia, a casing therefor having a card receiving slot, a die below said slot with a corresponding slot in register therewith, a plurality of punches slidably mounted in said die, an upwardly extending lug on one end of each punch, a shaft secured to the end walls of the casing, a plurality of punch operators, one for each punch, mounted upon said shaft to permit pivotal and longitudinal movement of each punch operator, each punch operator having a cut-out portion into which the end of its registering punch extends, a punch withdrawing lug which engages the lug on the punch and a punch actuating shoulder, a plurality of keys, one for each punch operator, mechanism to cause the depression of a key to elevate a punch operator, a lever outside of the casing, a rock shaft to which the lever is secured, and linkage to connect said shaft to the lower end of said punch operator whereby the rocking of said shaft will cause the punch operator to advance and withdraw the punches.

1,981,933
THERMOSTATIC SWITCH

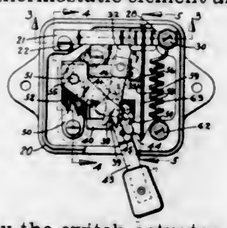
Calvin J. Werner, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 2, 1931, Serial No. 512,869

10 Claims. (Cl. 200—116)

1. An automatic switch comprising, in combination, a stationary contact; a movable switch

actuator; a thermostatic element having a catch; a pivoted trigger normally engaging and urging the movable switch actuator into normal circuit breaking position, said trigger, however, being movable by said actuator directly to engage the catch of the thermostatic element and be retained



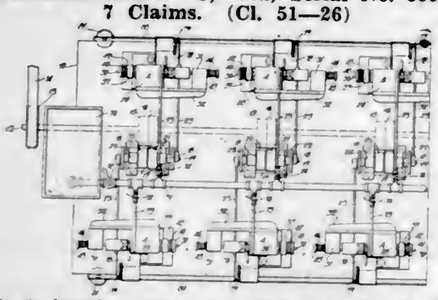
by it, whereby the switch actuator may be operated without being engaged by the trigger, the thermostatic element however being adapted to release the trigger at a predetermined high temperature whereby the trigger will again engage and urge the movable switch actuator into normal circuit breaking position.

1,981,934
THERMOSTATIC SWITCH
Calvin J. Werner, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 3, 1932, Serial No. 631,609
7 Claims. (Cl. 200—138)



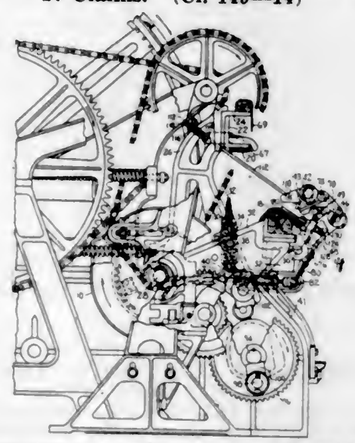
1. A switch, comprising in combination, a thermostatic member; means for supporting said thermostatic member so that it may flex in response to temperature change; cooperating contacts, one of which contacts is movable in response to the flexing of said thermostatic member; means for supporting the other of said contacts; adjusting means for adjusting the normal position of said thermostatic member; an armature attached to said thermostatic member; a magnet for applying a force to said armature; and a housing for said switch comprising, a cup-shaped member, a flanged annular member adjoining said cup-shaped member, a diaphragm, a smaller cup-shaped member placed over said diaphragm and secured to said flanged member, and means secured to said smaller cup-shaped member for actuating said adjusting means by flexing said diaphragm.

1,981,935
LAPPING MACHINE
Curtis Weidauer, New York, N. Y., assignor to Samuel Briskman, Brooklyn, N. Y.
Application March 18, 1932, Serial No. 599,616
7 Claims. (Cl. 51—26)



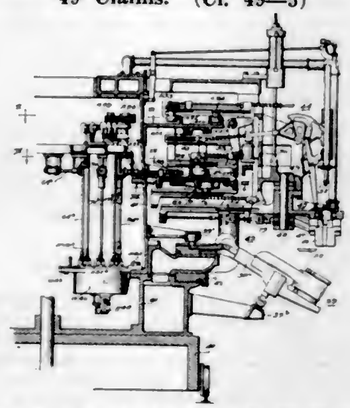
2. A lapping unit comprising a standard, a shaft carried thereby, a movable arm carried by said standard, means for operating said movable arm, and means for securing articles to be lapped to said standard and said movable arm, said articles to be lapped being carried on said shaft.

1,981,936
WORK CLAMPING MEANS
Robert F. Whitney and Frederic D. Clement, Winchester, Mass., assignors to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application May 9, 1933, Serial No. 670,100
17 Claims. (Cl. 149—14)



1. Clamping means for use in machines for operating upon hides, skins and leather, comprising a wedge, and an eccentrically mounted roll arranged to co-operate with an inclined surface on the wedge for clamping the work, and means for forcing the wedge and roll toward each other in a direction transverse to the direction of pressure of the wedge and roll upon the work.

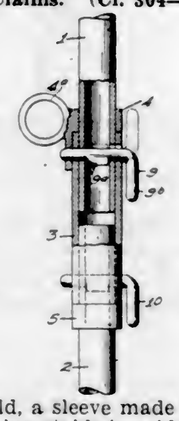
1,981,937
GLASSWARE FORMING MACHINE
Russell G. Allen and John E. McLaughlin, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application December 21, 1931, Serial No. 582,346
49 Claims. (Cl. 49—5)



1. In combination, an annular series of article forming units mounted for rotation about a vertical axis, means for rotating said units to thereby move them in succession past a series of operating positions, adjustable cams common to all of the units arranged at said positions, means

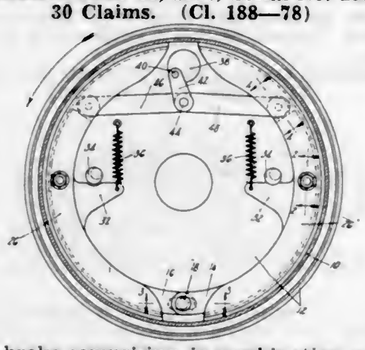
providing operating connection between the cams and said units, adjusting devices individual to the cams and each operable without interrupting rotation of said units to adjust its associated cam with respect to the others, means for actuating said adjusting devices, and a selecting device operable to effect an operative connection between any selected adjusting device and said actuating means.

1,981,938
SCAFFOLD JOINT
Charles H. Anderson, Downey, Calif.
Application May 7, 1934, Serial No. 724,255
10 Claims. (Cl. 304—40)



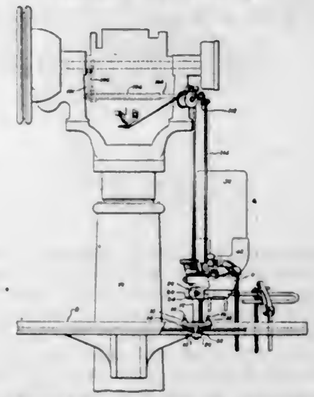
1. In a scaffold, a sleeve made with key holes, tubular sections insertable in said sleeve and having key holes for registration with the key holes of the sleeve, and keys insertable through said key holes in one position and rotatable to a position of locking the sections in the sleeve and the keys against withdrawal.

1,981,939
BRAKE
William J. Andres, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application June 20, 1927, Serial No. 199,969
30 Claims. (Cl. 188—78)



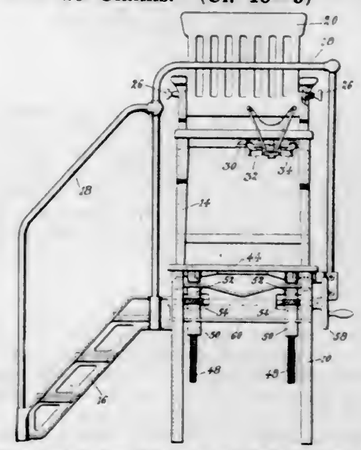
1. A brake comprising, in combination, a drum, levers within the drum connected at one side of the drum by a floating joint, shoes pivotally mounted on the levers and forced by the levers against the drum in applying the brake, means for forcing the unconnected ends of the levers apart to apply the brake, and means for taking the braking torque of the shoes from one of said levers when the drum is turning in one direction and from the other of said levers when the drum is turning in the other direction.

1,981,940
WELT TEMPERING MECHANISM FOR SHOE SEWING MACHINES
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 12, 1930, Serial No. 460,697
12 Claims. (Cl. 112—43)



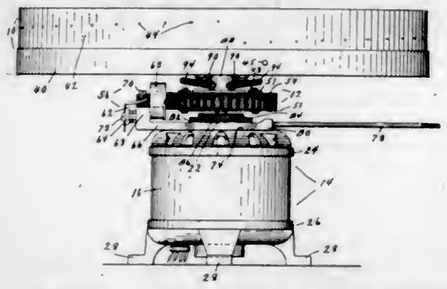
1. A welt shoe sewing machine having, in combination with the stitch-forming devices and cam shaft of the machine, welt wetting devices including a receptacle for moistening liquid, means for guiding the welt, and connections actuated from the cam shaft for moving the welt guiding means at the beginning and end of the sewing operation respectively to and from a position in which the welt is partially immersed.

1,981,941
APPARATUS FOR USE IN TAKING IMPRESSIONS OF FEET
William L. Baxter, Devereux, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 27, 1930, Serial No. 505,128
23 Claims. (Cl. 18—5)



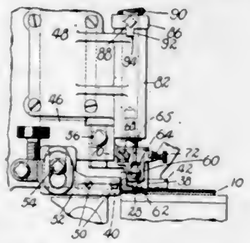
1. An apparatus for use in taking an impression of a foot comprising a chair, means carried by the chair and arranged to support the leg and foot of a person occupying the chair in depending position, said means comprising a forwardly and rearwardly adjustable member arranged to engage the leg under the forward end of the femur bone, and means for supporting a molding box in operative relation to the foot.

1,981,942
TELEVISION RECEIVING APPARATUS
Carl W. Becker, Allston, Mass.
Application April 18, 1931, Serial No. 531,121
7 Claims. (Cl. 178—69.5)



1. Television receiving apparatus comprising the combination of an asynchronous driving motor having a stationary field frame and a rotatable shaft, a scanning device fixed to said shaft, a synchronous driving motor having a rotor carried by and loose on said shaft, a stator carried by said field frame of said asynchronous driving motor, and driving springs connecting said rotor and shaft.

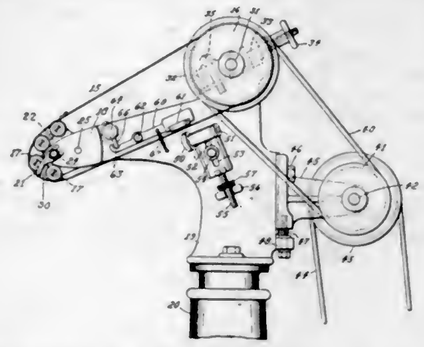
1,981,943
SOLE AND METHOD OF AND MEANS FOR OPERATING THEREON
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 12, 1932, Serial No. 622,030
22 Claims. (Cl. 12—27)



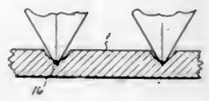
13. In a sole fitting machine, in combination, a support for a sole, a knife for forming a slit in the sole edge, a presser gage for gaging the location of the slit relatively to the face of the sole, and a knife mounted on the presser gage and located in advance of the edge-slitting knife for slitting the sole face and cooperating with the edge-slitting knife in forming a lip which is narrower than the feather.

1,981,944
TRIMMING MACHINE
Charles G. Brostrom, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 18, 1934, Serial No. 707,169
9 Claims. (Cl. 12—83.5)

1. A trimming machine comprising two small stationary rolls in tandem relation and arranged to provide between them a narrow gap through which a flange of surplus materials projecting from the bottom of a lasted shoe may pass without obstruction, a flexible band-knife arranged to run on said rolls and tensioned against them in a direction such as to bulge the intermediate portion extending across said gap, means arranged to operate said band-knife with movement lengthwise thereof, and means arranged to guide the flange of surplus materials to said gap.

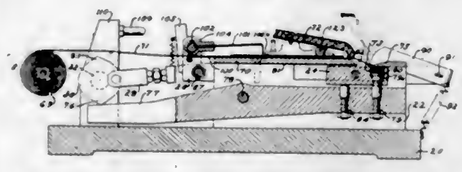


1,981,945
METHOD OF MAKING SCORE LINES
Wilfred E. Burns, Burlingame, Calif., assignor to M. J. B. Company
Application June 1, 1931, Serial No. 541,241
3 Claims. (Cl. 113—15)



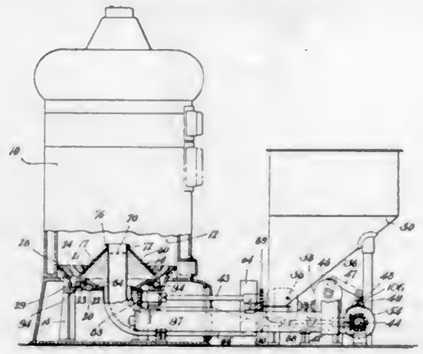
1. The method of scoring a can body blank to set off a tearing strip therein which comprises successively impressing coincident grooves in the body blank, each of which decreases its thickness and the first of which is relatively wide, to break the grain of the metal along the boundaries of the second line.

1,981,946
COIL WRAPPING MACHINE
Edward W. Collins, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 19, 1931, Serial No. 569,679
14 Claims. (Cl. 216—28)



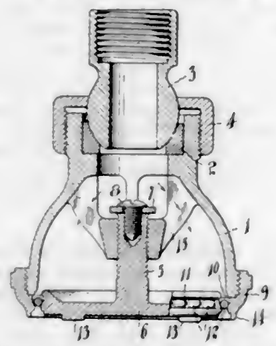
1. In a wrapping machine, a movable wrapping carriage having a groove for receiving an article and a portion of a wrapper partly wound around the article; two stationary spaced plates adapted to cooperate with the article in the moving carriage groove to fold the loose ends of the wrapper onto the article; a drive shaft; a crank on the shaft for reciprocating the carriage; a pivotally mounted bar for forcing the article and a folded wrapper end against a plate at the end of each stroke of the carriage; and means on the shaft for causing rotary movements of the bar.

1,981,947
COMBUSTION APPARATUS
Lawrence W. Corbett, Belmont, Mass., assignor, by direct and mesne assignments, of thirty-four per cent to William H. Doble, Quincy, Mass., and thirty-three per cent to Blanche L. Doble, Hingham, Mass.
Application December 4, 1928, Serial No. 323,687
1 Claim. (Cl. 110—36)



In a combustion apparatus, in combination, a combustion chamber, a burner unit in the chamber comprising an annular stationary grate member provided with an upwardly and outwardly flaring rim portion and an inwardly extending flange forming a trough within said rim portion, a conical grate member rotatably mounted upon and supported by the flange of said stationary grate member and provided with a plurality of openings in and distributed around the surface thereof for permitting the passage of a primary air supply through a conical bed of fuel supported on the grate member, means for rotating the conical grate member, scraper means carried by said conical grate member for assisting in the removal of ash accumulating in the aforesaid trough, means for supplying air under pressure to within the conical grate member, and means for supplying fuel to the upper portion of the conical grate member and maintaining a conical bed of fuel thereon.

1,981,948
SHOWER HEAD
William Henry Darling, London, Ontario, Canada
Application February 7, 1934, Serial No. 710,082
8 Claims. (Cl. 299—141)



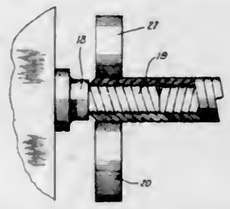
1. In a shower head, a hollow shell having an inlet and an outlet, and a flow obstructor in said outlet, the adjacent surfaces of said shell and obstructor being grooved, and a row of beads fitted between said grooved surfaces, the adjacent surfaces of said beads being of hemispherical shape.

1,981,949
METHOD OF MAKING A HOLLOW DISPLAY FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application March 5, 1929, Serial No. 344,266
4 Claims. (Cl. 18—51)



1. That method of making hosiery forms from a tubular blank of sheet celluloid, which comprises as steps, placing the tubular blank into a mold, the cavity of which conforms substantially to the shape of the finished form, inserting within the blank an inflatable bag of pervious material, immersing the mold, blank and bag in a tank of boiling water, and inflating said bag through the introduction thereinto of a heated fluid medium, thereby causing the bag to expand the blank into contact with the wall of the mold cavity, a portion of the medium exuding through the pores of the bag into contact with the blank to render it ductile and moldable during such expanding of the blank.

1,981,950
METHOD OF FORMING CONDUITS
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 22, 1930, Serial No. 454,588
4 Claims. (Cl. 29—148.2)

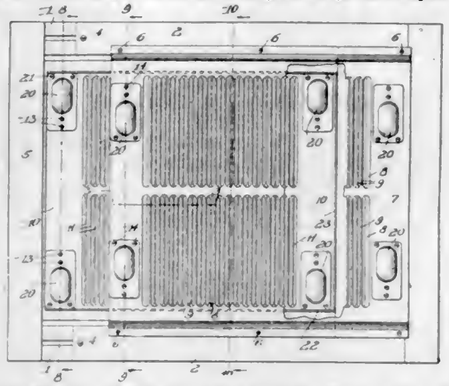


3. A method for forming a conduit comprising drawing a metal strand to form in cross section a trapezoid, coiling the strand and deforming the cross section of the strand while coiling to form in cross section a parallelogram having a curved face and curved apices.

1,981,951
ADJUSTABLE ELECTRIFIED INSECT SCREEN
William F. Folmer, Rochester, N. Y., assignor to Folmer-Electracide Corporation, Rochester, N. Y., a corporation of New York
Application October 26, 1933, Serial No. 695,351
7 Claims. (Cl. 43—112)

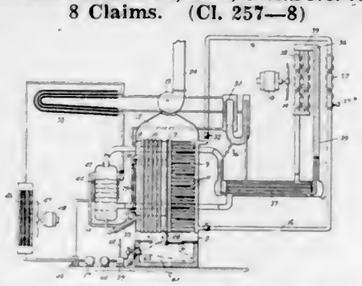
1. In an electrified insect exterminator, the combination with a pair of relatively adjustable

frames, of a positive and negative grid couple on



each frame, and means electrically connecting units of the couples of like polarity.

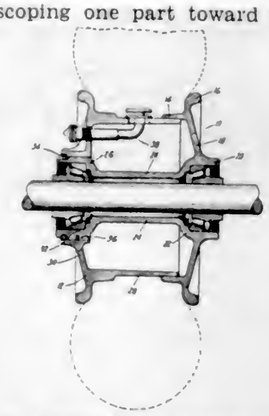
1,981,952
AIR CONDITIONING SYSTEM
Benjamin S. Foss, Brookline, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application March 23, 1934, Serial No. 716,932
8 Claims. (Cl. 257—8)



1. Air conditioning apparatus comprising a combustion chamber, means for producing hot gases in said chamber, a heating plant including means for heating water, an absorption refrigeration plant including means for heating a refrigerant, air heating coils associated with said heating plant, air cooling coils associated with said refrigeration plant, means for passing the air to be conditioned over said coils and into the space to be served, means responsive to temperature conditions for alternatively passing gasses from said chamber through said heating plant or through said refrigeration plant, and means also responsive to temperature conditions for controlling said first mentioned means.

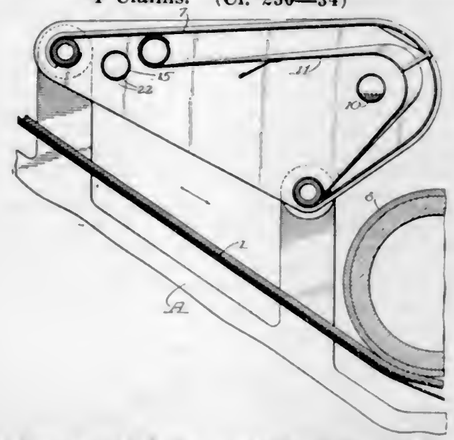
1,981,953
WHEEL
Frederick C. Frank, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application October 28, 1929, Serial No. 402,877
2 Claims. (Cl. 301—63)

2. A wheel comprising a two-part rigid casting, one part including a hub having a radial flange on one end thereof supporting a relatively narrow rim portion for the reception of one bead of a tire on the outside, and another part including an annular member sleeved on the other end of the hub having a radial flange supporting a relatively wide rim portion for supporting the other tire bead and an inner tube carried in the tire, the wide rim portion being arranged to telescope and partially underlying and snugly fit radially within the narrow rim portion, and means for locking said parts in normal position, said means being removable only upon telescoping one part toward the other a



short distance beyond the normal relative position of said parts.

1,981,954
PROCESS OF TREATING FABRICS OR CLOTHES DURING LAUNDERING OPERATIONS AND APPARATUS THEREFOR
Hugo Heller, Sr., Chicago, Ill., assignor to Milprint Products Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 26, 1931, Serial No. 525,354
4 Claims. (Cl. 250—34)



1. Apparatus of the character described including: an elongated hood, means for attaching said hood to a sheet material handling appliance, an elongated reflector supported by said hood inside of the same and spaced therefrom, an elongated ultra-voilet light generator supported inside of said reflector, a discharge pipe adapted to conduct a cooling gas supported beneath said hood and cooperating with the ultra-violet light generator, and apertures in said pipe adapted to direct a cooling gas issuing therefrom in a direction towards the sheet material.

1,981,955
FLUID OPERATED HAND TOOL
John Harry Johanson, Waltham, Mass., assignor of one-half to Henry T. Nelson, Boston, Mass.
Application July 6, 1933, Serial No. 679,214
2 Claims. (Cl. 253—3)

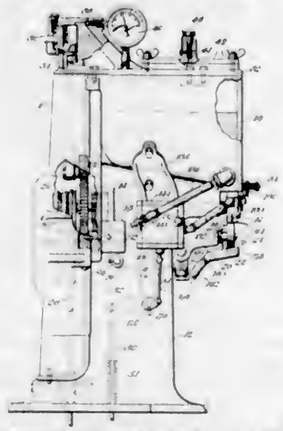
1. A hand tool of the character described having, in combination, a straight tubular rear end housing section having its outer end portion exteriorly formed as a nipple to be coupled telescopically to a flexible conduit through which

fluid under pressure is supplied to the tool and having its inner end portion enlarged interiorly and exteriorly; a forward straight tubular end housing section having its inner end portion enlarged interiorly and exteriorly to provide a chamber for the reception of a rotor; an intermediate partition wall section having its marginal portion disposed between the inner proximate ends of said tubular end sections; means fastening said two end sections together so as to clamp only said marginal portion between said inner proximate ends; a tool-holding spindle



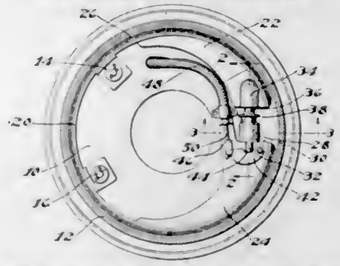
rotatably mounted within said forward tubular end section; a rotor within said chamber and fixed to the inner end of said spindle, and a pivot abutment screw for holding said rotor in position within said chamber, said abutment screw being adjustably supported by said intermediate partition wall, the said intermediate partition wall being formed with air inlet ports disposed at one side of said rotor and said forward tubular end section being formed with air outlet ports disposed upon the opposite side of said rotor in close proximity thereto.

1,981,956
LATEX APPLYING TOP CEMENTING MACHINE
Bernhardt Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 19, 1932, Serial No. 633,810
23 Claims. (Cl. 12—80)



1. In a cementing machine, coacting work-feeding rolls one of which is recessed, and means positioned in said recess for applying coating material to the work substantially at the bite of the rolls.

1,981,957
BRAKE
Robert F. Kohr, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application April 27, 1931, Serial No. 533,243
Renewed February 8, 1934
10 Claims. (Cl. 188—78)



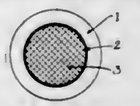
1. A brake comprising a friction element, an anchor between the ends of the said element, and means for actuating the element including means imposing separate forces in opposite directions concomitantly and including a conduit reacting on one end of the friction element and means passing through the anchor and actuated by a cable in said conduit to apply the other end of the friction element.

1,981,958
SAFETY RAZOR
Jean U. Korée, New York, N. Y., assignor to Flexo Safety Razor Corporation
Application December 15, 1930, Serial No. 502,409
1 Claim. (Cl. 30—12)



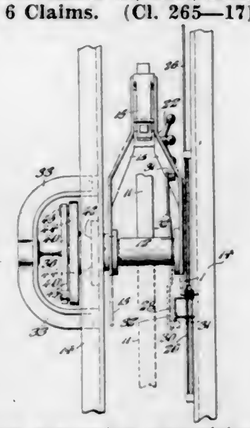
In combination, a flexible blade, a blade holder comprising a rigid longitudinally curved back member and a flexible guard, said blade and guard having each an oblong hole therein, a pin on the back member conforming in shape and size to the holes and adapted to fit in the holes to hold and align the blade and the guard, and means on the pin engaging the guard to hold the blade and the guard against the back member and cause the blade and guard to bend longitudinally to assume any form from a straight line to the curvature of the back member.

1,981,959
PRACTICE GOLF BALL
Wallace Landreth, Los Angeles, Calif., assignor of one-tenth to Miner L. Hartmann, Beverly Hills, Calif.
Application December 14, 1931, Serial No. 580,901
5 Claims. (Cl. 273—62)



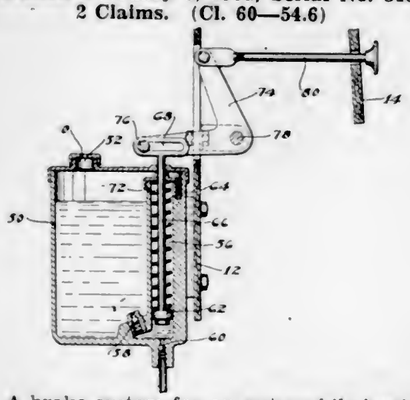
1. A practice golf ball comprising a plastic semi-solid central mass surrounded by a spherical non-tensioned elastic shell.

1,981,960
TORSION TESTING MECHANISM
Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 28, 1933, Serial No. 700,045
6 Claims. (Cl. 265—17)



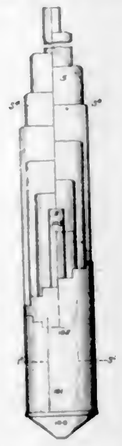
5. A testing apparatus comprising the combination of two fixed frames arranged in spaced apart relation, a shaft between said frames having its ends respectively journalled therein, a pendulum fixed to said shaft, an impact member keyed to said shaft on the outside of one frame, a fixed yoke about said impact member, means to mount one end of a test specimen against rotation in said yoke and with said specimen coaxially disposed with respect to said shaft, a holder for the other end of said specimen and arranged to apply torque thereto, and means for transmitting the motion of said impact member to said holder at a predetermined point in the travel of said pendulum.

1,981,961
BRAKE
John P. Mahoney, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application February 5, 1931, Serial No. 513,497
2 Claims. (Cl. 60—54.6)



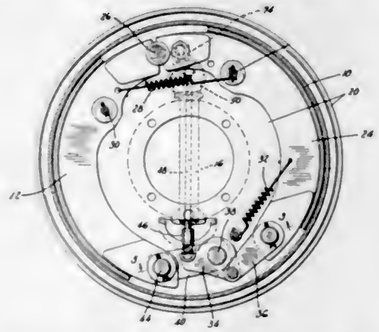
1. A brake system for an automobile having a dash comprising wheel brakes, a master cylinder, connections between said master cylinder and said wheel brakes, a supply reservoir, a conduit connecting said supply reservoir and said master cylinder, a pump positioned in said supply reservoir, a piston forming a part of said pump, a spring bearing upon said piston, a handle protruding through said dash, and means for connecting said handle to said piston.

1,981,962
ACOUSTICAL DEVICE
Robert H. Marriott, Brooklyn, N. Y.
Application June 29, 1933, Serial No. 678,115
10 Claims. (Cl. 181—31)



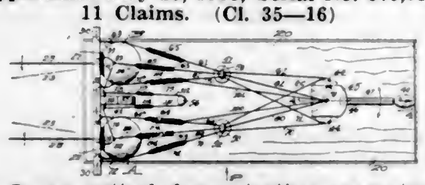
1. An acoustical device comprising a producing source of sounds of different frequencies and an assembly of resonators associated with the source of sounds, the said resonators being differently proportioned so that each is limited to respond to its resonant frequently only certain of said resonators being formed by the spaces between the outer walls of the main assembly and the inner wall of an assembly enclosing member.

1,981,963
BRAKE
Eugene G. McDonald, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application November 7, 1930, Serial No. 493,929
1 Claim. (Cl. 188—78)



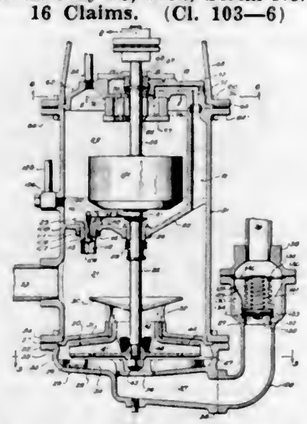
A vehicle having a wheel with a swiveled mounting including a hollow king pin, in combination with a backing plate carried by said mounting and provided with brake friction means having its ends below said king pin, a reinforcement for the backing plate below the king pin which is provided with two pivots, on one of which one end of the friction means is anchored, a lever fulcrumed on the other pivot and acting on the unanchored end of the friction means and having at one end a socket in line with the hollow king-pin, and thrust means extending through the hollow king pin and having a rounded portion seated in said socket.

1,981,964
OPTICAL DEMONSTRATION APPARATUS
Fay McFadden, Rutland, Vt.
Application July 10, 1933, Serial No. 679,756
11 Claims. (Cl. 35—16)



1. In an optical demonstration apparatus, a pair of eyeballs, supports engaging said eyeballs substantially at the centers thereof and supporting said eyeballs for universal movements, and mechanical means to effect conjoint turning movements of said eyeballs in horizontal and vertical planes, said mechanical means comprising a swivel post mounted substantially rearward of said eyeballs and rotatable about a vertical axis, an operating member pivoted on said post to swing about a horizontal axis, said operating member having a handle portion, and operating connections from spaced points on said member to spaced points on each eyeball.

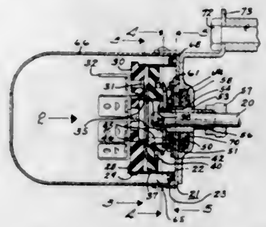
1,981,965
LIQUID PUMP
Porter S. Morgan, Norwalk, Conn., assignor, by mesne assignments, to Liberty Share Corporation, Buffalo, N. Y., a corporation of New York
Application July 16, 1932, Serial No. 622,902
16 Claims. (Cl. 103—6)



1. Apparatus for separating gas from liquid, comprising centrifugal pump means having an input conduit, a separating chamber interposed in the input conduit in concentricity with said centrifugal pump, said pump being adapted to remove liquid volumes from said chamber to the exclusion of air bodies therein, and displacement pump means for removing gas separated from the liquid in said chamber.

1,981,966
ELECTRIC SWITCH
Harry E. Norviel, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 21, 1931, Serial No. 576,535
4 Claims. (Cl. 200—11)

4. An electric switch adapted to be mounted at one end of a steering column, comprising in combination; a mounting bracket; a plate having a series of recesses, said plate being secured to said bracket; a switch assembly secured on said plate, said assembly comprising, a tubular casing having one end closed by said plate; a switch back closing the other end of said casing and providing a number of contact terminals; a driving member rotatably supported by one of said end closures; a contact carrier rotatable between said end closures; a detent member



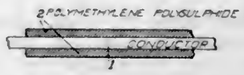
rotatable coaxially with the carrier; spring means urging said detent member and carrier away from each other; driving connections between the detent member and carrier and permitting relative axial movement between the detent member and carrier; a control member; means connecting said control member to said driving member to operate yieldingly said detent plate and carrier to various positions.

1,981,967
SWITCH DEVICE
Leslie O. Parker and Charles Woolbert, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 8, 1930, Serial No. 487,145
3 Claims. (Cl. 200—166)



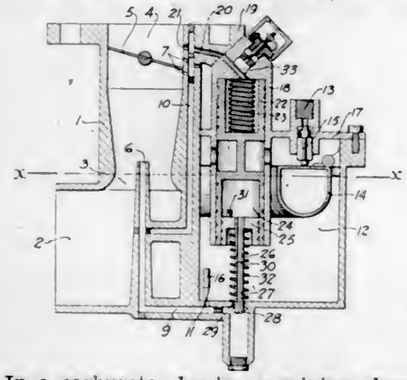
1. In a switch of the class described, the combination comprising, means for completing a circuit between a pair of spaced terminals including a contact bracket of dished form having ears struck from the bottom thereof, an insulating plate secured to the said ears, and a spring leaf conductor carried by the said insulator, said conductor providing a pair of diverging arms with rounded ends for engagement with the respective contact faces.

1,981,968
ELECTRICAL CONDUCTOR
Joseph C. Patrick, Kansas City, Mo.
Application July 14, 1930, Serial No. 467,960
12 Claims. (Cl. 173—264)



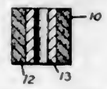
7. As an article of manufacture, a conductor enclosed in a sheath of plastic material, said material having as one of its principal constituents a substantial amount of the reaction product of a linear polymethylene compound having methylene halide terminals with an alkaline polysulfide.

1,981,969
CARBURETOR
Augustin M. Prentiss, San Antonio, Tex., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind., a corporation of Illinois
Application January 5, 1931, Serial No. 506,689
7 Claims. (Cl. 261—34)



1. In a carburetor having a mixing chamber, a vacuum operated acceleration pump, a passageway connecting said chamber and pump, and a thermal responsive air bleed for supplying air directly to said passageway, whereby said pump is rendered inoperative at the highest operating temperatures of said carburetor.

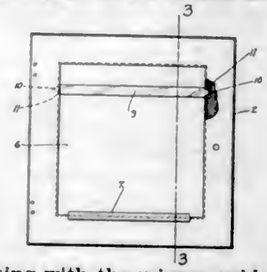
1,981,970
ABRASIVE WHEEL AND A METHOD OF MAKING THE SAME
Baalis Sanford, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 13, 1932, Serial No. 611,135
8 Claims. (Cl. 51—278)



4. An abrasive wheel comprising a central, preformed, rigid supporting core and an abrasive annulus integrally fixed thereon containing diamond grains, granular inert filling material and a resinoid bond integrally united with the rigid core, the resinoid being reacted and matured in situ with the core into a hard body under the combined action of heat and high pressure while located in the final position thereon, and said core being of sufficient strength and the desired physical characteristics as to withstand the high pressure during molding.

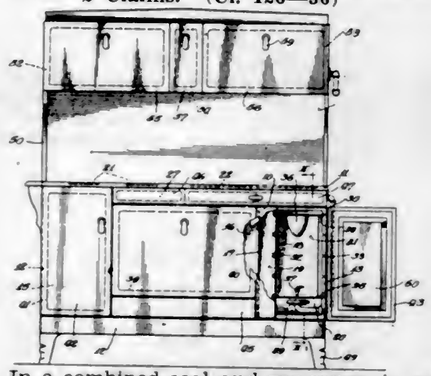
1,981,971
MIRROR MOUNTING
Frank G. Steiner, Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application June 17, 1929, Serial No. 371,397, now Patent No. 1,908,566, dated May 9, 1933. Divided and this application January 15, 1931, Serial No. 508,860
2 Claims. (Cl. 45—18)

2. A door having an opening, said door comprising telescoping parts, one part having a flange which extends into the opening to form a support and the other part having an opposed flange, one of said parts being provided with opposite sockets, a mirror fitted into the opening and between the flanges and a slightly bowed band of spring material extending across the back of the mirror with its ends engaging said sockets and its bowed



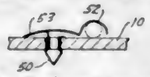
part contacting with the mirror, said band being under tension to hold the mirror in its seat in the opening.

1,981,972
STOVE STRUCTURE
Jacob Teller, Chicago, Ill., assignor, by mesne assignments, to Teller Stove Designing Corporation, a corporation of New York
Application April 11, 1930, Serial No. 443,291
2 Claims. (Cl. 126—36)



1. In a combined coal and gas range, in combination, a stove top, coal burning means below part of said top, a gas burning compartment below the other part of said top, a bake oven partly below the coal heated stove top part and partly below the gas heated stove top part, a warming closet below said gas burning compartment, a flue between said warming closet and said oven, connecting said warming closet and said coal burning means, said flue comprising a pair of spaced walls providing said flue, one of said walls providing one of the walls of said warming closet, means for supporting a receptacle from the walls of said warming closet, and a gas burner in said warming closet.

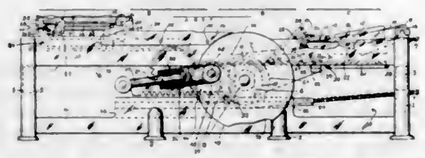
1,981,973
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Original application November 23, 1932, Serial No. 643,981. Divided and this application March 20, 1933, Serial No. 661,766
1 Claim. (Cl. 24—73)



A snap fastener having an arched body portion and adapted to extend above a support, the body portion having a curved part, adjacent the

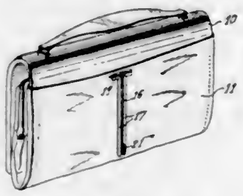
end thereof for engaging an article, the body portion having a strip struck downwardly therefrom and intermediate the ends thereof, the strip having a reverse bend therein so as to provide a leg which depends from the body portion, and the leg having two shoulders thereon for locking the fastener against a support.

1,981,974
AUTOMATIC STRIPPING MACHINE FOR FOLDING BOX WORK
August Vernimb, Mount Vernon, N. Y.
Application July 20, 1931, Serial No. 551,953
16 Claims. (Cl. 93—58)



1. In a stripping machine for separating the blanks cut in a card board from the waste strips surrounding said blanks, means for aligning said card board in operating position, means for independently gripping said blanks and said waste strips, means for separating the levels of said blanks and said waste strips by changing the relative positions of the respective gripping means, and means for separately releasing said waste strips and said blanks from their respective gripping means.

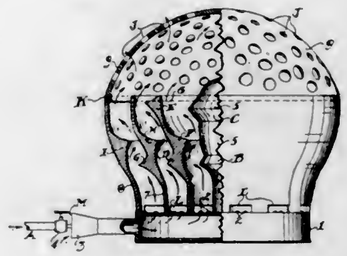
1,981,975
COIN SLOT PURSE
Edward Weimar, Hoboken, N. J., assignor of one-half to George Naughton, Bronxville, N. Y.
Application April 19, 1933, Serial No. 666,823
Renewed August 10, 1934
1 Claim. (Cl. 150—37)



In combination with a hand bag or the like, a housing adapted to be secured to the bag comprising four walls enclosing a compartment substantially rectangular in cross-section, one of said walls having a longitudinal slot therein, each side of said slotted wall having an extension adjacent the slot, said extensions being doubled back against said slotted wall with the material forming the bag clamped therebetween to lock the housing to the bag, a lug slidably mounted in said housing and having a tongue extending through the slot in said slotted wall, and resilient means near the top of said housing for releasably retaining a plurality of coins therein.

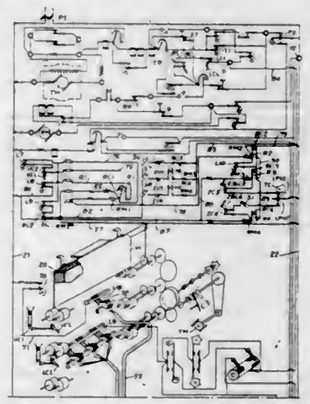
1,981,976
GAS BURNER
Abraham L. Wem, Topeka, Kans.
Application June 9, 1933, Serial No. 675,019
3 Claims. (Cl. 158—113)

1. In a burner of the kind described, in combination with a perforated cylindrical discharge device, a plurality of annular deflectors, flared portions on the walls of the deflectors, a core, flared portions on the core, the said core and



deflectors concentrically disposed on the discharge device and arranged to receive a gaseous mixture therefrom.

1,981,977
SUBTRACTING DEVICE
Hermann A. Weinlich, Berlin-Charlottenburg, and Ulrich Kölm, Berlin-Lankwitz, Germany, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 26, 1933, Serial No. 653,624
10 Claims. (Cl. 235—92)

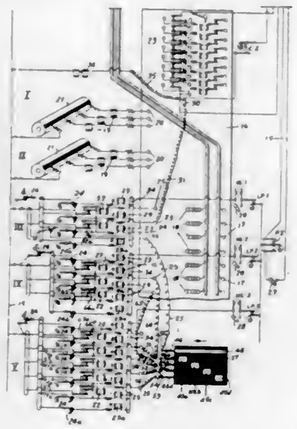


1. In a machine of the class described, an accumulator, means for entering true numbers of debit amounts and nines complements of credit amounts into said accumulator, means for entering elusive units into said accumulator with said complements, and means for disabling said unit entering means while the first nines complement is being entered.

1,981,978
TABULATING MACHINE
William Worden, Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 8, 1931, Serial No. 528,525
15 Claims. (Cl. 235—58)

1. In a machine controlled by records arranged in groups, group counting devices, mechanism for

counting the records in a group, and means controlled by the record counting mechanism for se-



lectively controlling the group counting devices according to the number of records in a group.

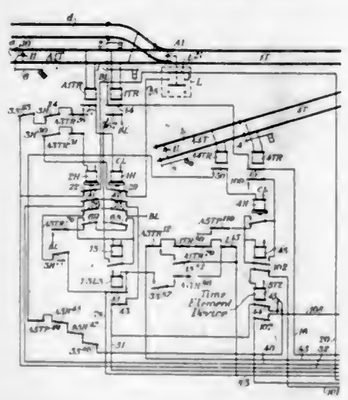
1,981,979

RAILWAY TRAFFIC CONTROLLING APPARATUS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 25, 1931, Serial No. 565,086

12 Claims. (Cl. 246—134)



1. In combination, a traffic route, a first signal to govern traffic over the route under certain traffic conditions, a first normally deenergized relay to control said signal, a second signal to govern traffic over the route under certain other traffic conditions, a second normally deenergized relay to control said second signal, a normally inactive time element device adapted to function in a predetermined time interval after its energizing circuit is closed, a track circuit means responsive to a train approaching said route to energize the first relay to clear the first signal and to close the energizing circuit of said time element device, and means controlled by said time element device to deenergize the said first relay and to energize the second relay to clear the second signal at the expiration of said predetermined time interval.

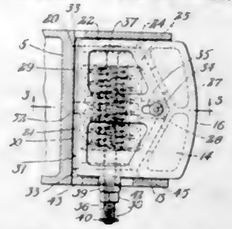
1,981,980

BUFFER

George H. Zouck, Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware

Application October 4, 1930, Serial No. 486,298

2 Claims. (Cl. 213—221)



1. Buffer mechanism for use between an engine and its tender interconnected by a draw-bar, said mechanism including a buffer pocket mounted on one of the vehicles, the pocket having a base normally fixed or rigid with respect to the vehicle on which it is mounted and further having an opening presented toward the other vehicle, a buffing member between the vehicles mounted in said pocket with a portion thereof projecting through said opening with freedom to react against the opposite vehicle, and means for yieldingly advancing said buffing member to bear against said opposite vehicle so as to place the draw-bar under tension, said means including a pair of wedge devices interposed between the buffing member and said base and adapted to move toward and away from each other transversely of the vehicles, the said devices having wedge surfaces cooperating with the buffing member and with said base, the wedge surfaces of said devices being so angled as to advance the buffing member when the wedge devices are moved away from each other, resilient means housed within the wedge devices and therefore also within the pocket and reacting between the wedge devices to maintain the draw-bar under tension, and a normally inoperative bolt structure extended transversely of the vehicles through said wedge devices providing for compression of the resilient means for purposes of assembly, disassembly, adjustment and the like, a side wall of the pocket being apertured in line with the bolt structure and the bolt structure projecting through said aperture, whereby to provide access to the bolt structure for purposes of compression and release of the resilient means between the wedge devices from the exterior of the pocket, and thus facilitate coupling and uncoupling of the draw-bar.

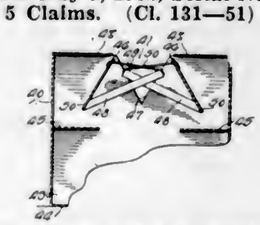
1,981,981

ASH TRAY

Charles Arthuber, Chicago, Ill.

Application July 9, 1932, Serial No. 621,612

5 Claims. (Cl. 131—51)



1. An ash tray comprising a receptacle, a cross member journalled at opposed sides of said receptacle, and cigarette supporting members arranged in parallel planes upon said cross member and presenting a relatively small area for contact with said cigarette, said supporting members being normally disposed to present said areas of contact substantially horizontally and adapted to be displaced thereby presenting said areas toward the vertical position.

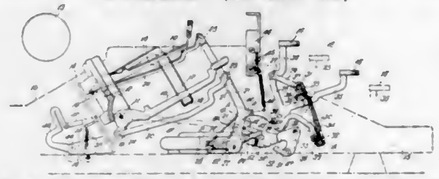
1,981,982

TYPEWRITING MACHINE

Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., New York, N. Y., a corporation of New York

Application January 13, 1932, Serial No. 586,319

9 Claims. (Cl. 197—30)



6. A typewriting machine having a frame, a platen, an arcuate system of rearwardly swinging pivoted type bars having heels and normally extending upward and forward from their pivots forwardly of the platen, a keyboard comprising stepped banks of type keys arranged in front of the system of type bars, a system of upstanding levers pivoted at their lower ends and interposed between the system of type bars and the keyboard, said platen, the highest bank of said keys and the highest parts of the systems of levers and type bars being all located substantially at the same level, a system of draw links connecting the upper ends of the levers to the heels of the type bars, a system of toggle devices anchored at their rear ends to said levers above the lever pivots and at their forward ends to the frame and extending under the keyboard, and key stems each rigidly joined to a portion of a different one of the toggle devices and carrying one of the type keys.

1,981,983

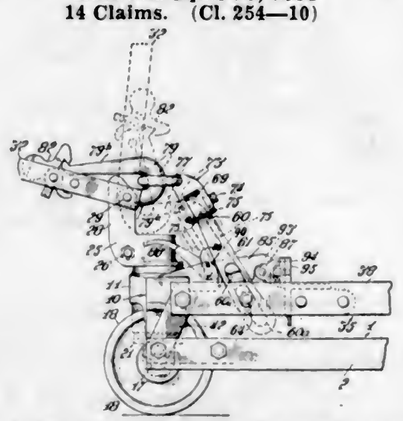
LIFT TRUCK

Arthur M. Barrett, Winnetka, Ill., assignor to Barrett-Cravens Company, Chicago, Ill., a corporation of Illinois

Application May 21, 1930, Serial No. 454,264

Renewed April 28, 1934

14 Claims. (Cl. 254—10)



13. A lift truck comprising the combination of a main frame, supporting wheels therefor, a lifting frame movably mounted on the main frame, a lifting lever pivotally connected with the main frame to swing vertically relatively thereto, forwardly extending lifting connections for raising the lifting frame, and means connecting the lifting connections with the lifting lever, said means including a downwardly curved portion so formed that the invert of the curve moves substantially vertically.

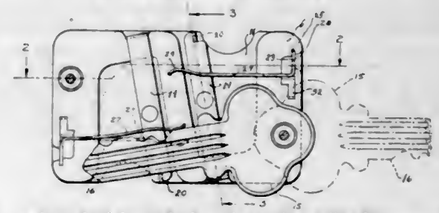
1,981,984

KEY HOLDER

John M. Bennett, Detroit, Mich.

Application November 21, 1933, Serial No. 698,966

4 Claims. (Cl. 59—96)



1. A key holder of the class described, comprising a central plate; a pair of side plates, each positioned in spaced relation to one of the sides of said central plate to provide a compartment at each side thereof; a pivot pin extending into each of said compartments, said compartments being open at the edges of said plates, said pivot pin serving as a support for a key swingably mounted; a U shaped spring mounted on said central plate, each of the legs of said spring projecting into one of said compartments, and each adapted for engaging a swingably mounted key; and latch means for latching a key in said compartment.

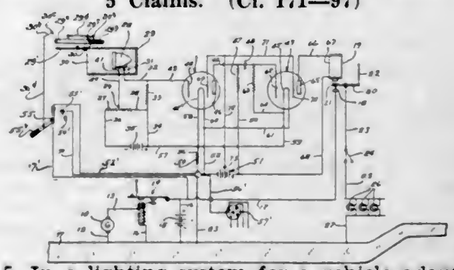
1,981,985

AUTOMOBILE LIGHTING SYSTEM

Chester H. Braselton, New York, N. Y.

Application April 29, 1930, Serial No. 448,374

5 Claims. (Cl. 171—97)



5. In a lighting system for a vehicle adapted to be propelled by an internal combustion engine an electric light, a source of electrical energy, a connection between said light and said source and including a switch, magnetic means for operating said switch, a light-sensitive cell, an amplifying device between said cell and said magnetic means whereby said switch is controlled by the light affecting said light-sensitive cell, a double contact switch, one of said contacts being connected to the ignition system of said internal combustion engine and the other of said contacts being connected to said amplifying device whereby either said ignition system or said amplifying device may be energized, a housing for said light-sensitive cell having an opening at one end and being large enough to prevent direct rays from reaching said cell but permitting said cell to be affected by diffused light, a cover for the open end of said housing, and mechanical means controlled by said double contact switch for closing said cover to protect said cell against the effect of light when said double contact switch is moved to deenergize said amplifying device.

1,981,986
PROCESS FOR MANUFACTURING CHEDDAR CHEESE

Linda C. Bruhn, Auburndale, Wis.

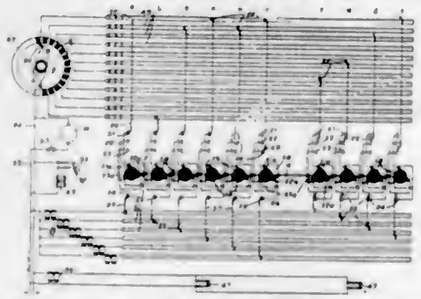
No Drawing. Application April 28, 1930, Serial No. 448,176
3 Claims. (Cl. 99—11)

1. The process of manufacturing cheese from cheddar curd, consisting in compressing the curd into loaf form and expelling the whey, surface drying the loaves, dipping them momentarily and repeatedly in water having a sufficiently high temperature to melt the surface butter fat, submerging the loaves in a cold alkaline solution, surface drying the loaves, wrapping the same in foil and then subjecting the loaves for about ten minutes to a temperature of approximately 400° to 450° F. and compressing the foil into the butter fat to form a continuous impervious covering for the loaf.

1,981,987
WORD PRINTING MECHANISM

James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 25, 1933, Serial No. 672,758
9 Claims. (Cl. 101—93)

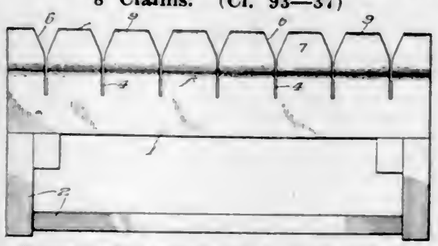


1. A printing mechanism for completely printing a word by depression of a single key, said printing mechanism including individual type carriers for the different letters of the word with provision for selecting a type element on each carrier and for effecting printing of the different letters of the word at different times during a cycle of operation of the mechanism and means for initiating a cycle of operation of the machine to effect a word printing on each operation of a key.

1,981,988
MEANS FOR SETTING UP CARTONS

Martin Burger, Morris, Ill.

Application November 20, 1931, Serial No. 576,265
8 Claims. (Cl. 93—37)

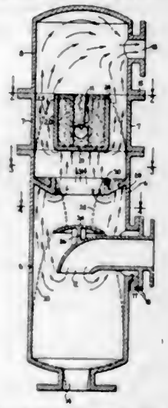


1. A means for setting up a carton of the type having a longitudinal partition and movable transverse partitions, comprising a support, elements on said support to engage the longitudinal partition, and elements on the support to engage the cross partitions and hold them at predetermined angles to the longitudinal partition, said elements extending adjacent the edge of said support on at least one of its sides.

1,981,989
COUNTERCURRENT CONDENSER

Henry E. Byer, Rosebank, Staten Island, N. Y.

Application November 15, 1932, Serial No. 642,729
14 Claims. (Cl. 261—117)

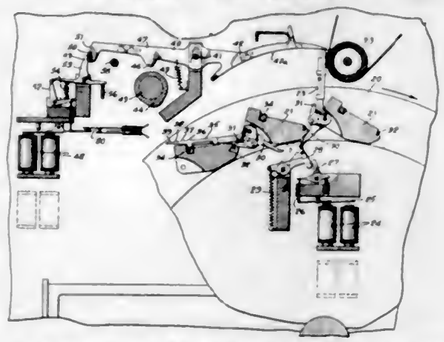


1. A countercurrent condenser comprising, the combination with a casing having a gas outlet, a water inlet therebelow, a steam inlet near the bottom and a liquid outlet at the bottom, of a weir whereof the edges extend between spaced points on the casing wall to deliver the water from the inlet, in at least two convex sheets each in contact at its sides with the casing wall and outwardly and downwardly into contact with the casing wall.

1,981,990
PRINTING MECHANISM

Fred M. Carroll, Yonkers, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 20, 1932, Serial No. 648,039
8 Claims. (Cl. 101—93)

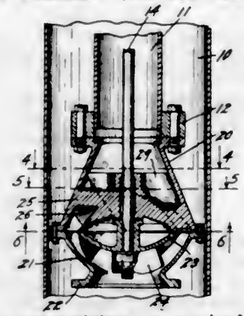


1. In a machine of the class described, the combination of a continuously rotating printing drum, a plurality of type carriers on said drum each of said carriers having a plurality of types thereon adapted to print during rotation of the drum, means located inside the drum to selectively operate the type carriers and to cause the type to shift on the carrier, and means to control the extent of movement of the type on the carriers to select the particular type for printing

1,981,991
PUMP

Thaddeus E. Cline and Ray E. Tipton, Denver, Colo.

Application November 7, 1933, Serial No. 696,932
3 Claims. (Cl. 103—90)

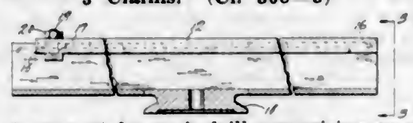


2. A pump comprising: a conical pump housing open at its top; a deflecting member positioned in the bottom of said pump housing, there being passages extending through said deflecting member, said passages having relatively long curvated openings in the bottom and substantially round openings at their top, the portions of the passages between the bottom and the top being inclined in a spiral; a rotor housing secured to said pump housing below said deflecting member; and a rotor mounted in said rotor housing so as to force fluid into said passages.

1,981,992
GUIDE SHELL FOR ROCK DRILLS

John C. Curtis, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application June 13, 1932, Serial No. 616,777
3 Claims. (Cl. 308—3)



1. A support for rock drill comprising an elongated shell formed with side walls having guide bars receiving walls extending therefrom in parallelism, guide bars detachably secured to said guide receiving walls, guideways within said rock drill adapted to receive said guide bars for slidable movement thereon, notches within one end of said shell adapted to receive a tongue depending from one end of said guide bars for preventing the lateral movement of the latter with respect to the former, and detachable means comprising a bolt and a nut for securing the other end of said guide bars to said shell, the removal of said last mentioned means permitting the removal of said guide bars from said shell irrespective of the engagement of said tongues with said notches.

1,981,993
OIL CONTROL PISTON

Robert H. Daisley, Birmingham, Mich., assignor to Wilcox-Rich Corporation, a corporation of Michigan

Application September 2, 1933, Serial No. 687,977
7 Claims. (Cl. 309—7)

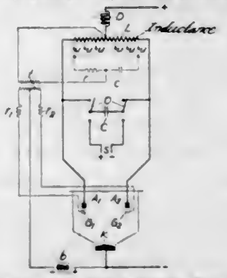


1. A hollow piston having a pair of ring grooves therein, separated by a land having radial apertures therein, each such aperture leading from the circumferential surface of said land and also from the bottom of both said grooves to the interior of said piston, said apertures being of such area as to permit a substantial flow of oil therethrough.

1,981,994
MEANS FOR OPERATING ELECTRIC HIGH FREQUENCY FURNACES

Ludwig Dreyfus and Aage Garde, Vasteras, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden

Application December 1, 1932, Serial No. 645,200
In Sweden June 9, 1932
2 Claims. (Cl. 250—36)

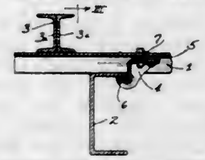


1. Means for operating high frequency induction furnaces, comprising a source of current, a resonance circuit containing capacity and inductance, a metal vapor ion valve apparatus for passing a current from said source alternately in both directions through said resonance circuit, control grids for said apparatus, means for feeding the said grids by voltages derived from said resonance circuit, and a change-over switch for cutting off said capacity from said resonance circuit and connecting said capacity directly to a source of current.

1,981,995
FRAME ASSEMBLY FOR MOUNTING A UNITARY DEVICE ON AN AUTOMOBILE CHASSIS

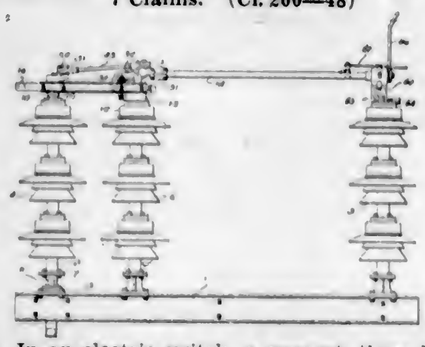
Ronald Clement Evans, Elgin, Ill., assignor to Municipal Appliance Company, New York, N. Y., a corporation of Maine

Application December 4, 1933, Serial No. 700,931
2 Claims. (Cl. 296—9)



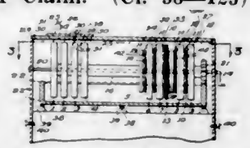
1. In a vehicle frame structure including a chassis frame having longitudinal channel members, and a second frame of channel members superimposed upon said chassis frame and adjustably clamped thereto, means for frictionally clamping the frames together, comprising a clamping member in the form of a right angle having a horizontal leg provided with an extension for frictional clamping engagement with a member of said upper or second frame and a vertical leg provided with an extension for frictional clamping engagement with a frame member of the lower or chassis frame, said clamping member having an intermediate attaching element for securing it to one of the frame members, and about which element the clamping member is adjustable to bring its extensions into tight frictional engagement with the respective frame members.

1,981,996
SWITCH
Thorsten Fjellstedt, Alfred Alsaker, and Weldon O. Hampton, Chicago, Ill., assignors to The Delta Star Electric Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1929, Serial No. 350,708
7 Claims. (Cl. 200—48)



1. In an electric switch, a support, three links pivotally connected and pivoted on the support to form a quadrilateral with the support constituting one side of the quadrilateral, a switch blade carried by one of the links, an actuating mechanism secured to one of the links and operable to move the links with respect to the support for moving the switch blade to the open and closed position, and means including an eccentric at one of the pivots for adjusting the length of at least one of the sides of the quadrilateral, thereby altering the motion of the remote end of the blade for a given motion of the actuating mechanism.

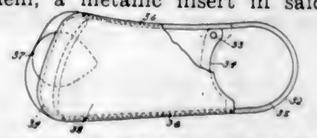
1,981,997
TIME INDICATING DEVICE
Albert E. Freel, Owensboro, Ky.
Application August 7, 1930, Serial No. 473,645
1 Claim. (Cl. 58—125)



In a time indicator, a face plate having windows therein, a stationary shaft behind said face plate, time indicating rolls freely mounted on said shaft and visible through the windows of said face plate, means coupling the several rolls in chronometric sequence, a pinion gear coupled directly to the roll indicating the smallest division of time, said gear being disposed adjacent the periphery of said face plate, and a ring gear concentric with said face plate and engaged with said pinion, said ring gear being dished inward of its periphery to accommodate said rolls, and having means at its center adapted for mounting upon the shaft of a constant speed prime mover, and said face plate having a cylindrical flange attached thereto, enclosing said ring gear, rolls, and pinion, and supporting said shaft.

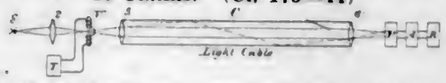
1,981,998
ARCH SUPPORT
Elisabeth Frei, Zurich, Switzerland
Application June 21, 1932, Serial No. 618,527
1 Claim. (Cl. 36—71)

In an arch support, a body member for disposal under the arch of the foot, and comprising an upper sole of leather, a lower sole of soft material, united at opposite sides by stitchings to said upper sole, so that a pocket is formed between them, a metallic insert in said pocket,



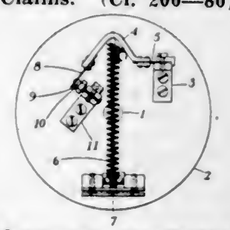
adapted to support the arch of the foot, and a flexible heel portion united to said metallic insert and extending rearwardly therefrom and under the heel portion of the upper sole.

1,981,999
OPTICAL TELEPHONE SYSTEM
Norman R. French, Pleasantville, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 20, 1932, Serial No. 629,728
10 Claims. (Cl. 178—44)



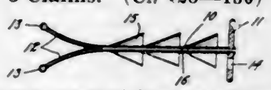
8. In a two-way communication system, a transmission line a portion thereof being an optical link, means for impressing on said optical link a modulated light beam for communication in one direction and introducing thereon a second modulated light beam for communication in the other direction, and terminal apparatus at the ends of said link to connect the system for two-way communication over a pair of wires.

1,982,000
ELECTRICAL SPEED GOVERNOR
Ronald George Griffith, Croydon, England, assignor to Creed and Company, Limited, Croydon, England
Application July 22, 1932, Serial No. 624,060
In Great Britain June 16, 1932
5 Claims. (Cl. 200—80)



1. In a speed governor, a rotatable member, a mass movable by centrifugal force, means supplying a controlling force for said mass, and resiliently yielding contact means actuated by the movements of said mass and having a contacting face disposed in a plane substantially tangential to the direction of rotation of said rotatable member.

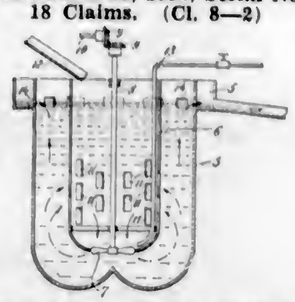
1,982,001
PESSARY
Earle C. Haas, Denver, Colo.
Application January 19, 1933, Serial No. 652,466
3 Claims. (Cl. 128—130)



1. A pessary comprising: a stem; a button formed on one extremity of said stem; a rubber

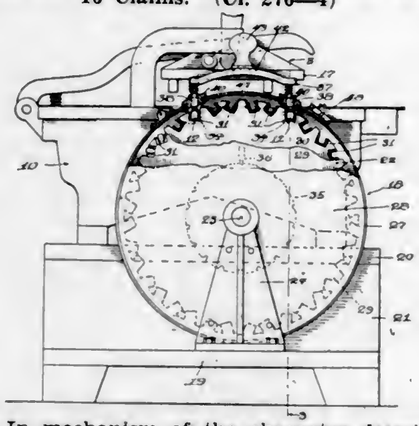
casing surrounding said stem; and a series of hollow, flexible, cone-shaped members spaced along said stem with their apexes directed away from said button, said members being secured to said casing.

1,982,002
METHOD OF BLEACHING PAPER PULP
Raymond S. Hatch, East Orange, N. J., assignor to International Bleaching Corporation, New York, N. Y., a corporation of Delaware
Application March 23, 1932, Serial No. 600,631
18 Claims. (Cl. 8—2)



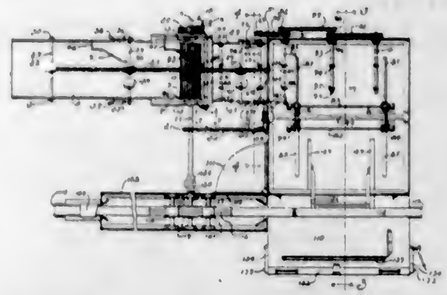
1. The method of bleaching paper pulp which comprises maintaining a zone of circulation of a water suspension of such pulp, maintaining relatively quiescent intake and discharge zones of such pulp, each in communication with the zone of circulation, constantly introducing pulp to the intake zone, passing pulp from the intake zone to the zone of circulation, repeatedly circulating pulp in the zone of circulation, the pulp then passing to the discharge zone, introducing chlorine into the suspension of pulp in the zone of circulation, and continuously discharging pulp from the discharge zone.

1,982,003
TYPE INSERTING MECHANISM FOR PRINTING MACHINES
Morris J. Hoffman, Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 21, 1933, Serial No. 690,311
16 Claims. (Cl. 276—4)



1. In mechanism of the character described, the combination of a carrier having a plurality of guideways therein, means for moving the carrier to bring any selected guideway into operative position, and type bars slidably supported in said guideways, and each containing spaced groups of type therein, said bars, with the type therein, being adapted to be projected from the guideway when in operative position.

1,982,004
GLUING MACHINE
Carroll L. Humphrey, Detroit, and Roger K. Lee, Highland Park, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1930, Serial No. 429,008
5 Claims. (Cl. 34—12)



1. In apparatus for moving glue coated running boards and mats through respective chambers of an oven to adjacent outlets thereof; a conveyor in one chamber for carrying glue coated running boards from the inlet to the outlet thereof, means in the other chamber of said oven for feeding glue coated running board mats from the inlet to the outlet of the latter chamber, mechanism for driving said conveyor and mat feeding means in timed relation so as to substantially simultaneously supply an attendant with a running board and mat, each having a partially dry glue coating thereon, and means operable by engagement with said running boards for stopping the movements of said conveyor and mat carrying means simultaneously when a running board is in registration with an outlet of said oven.

1,982,005
GARMENT PATTERN
Francis Hutter, New York, N. Y., assignor to The McCall Company, New York, N. Y.
Application February 25, 1932, Serial No. 595,021
2 Claims. (Cl. 33—12)



1. A pattern comprising a sheet of material having a pattern outline thereon marking the cutting line of the pattern and comprising a pair

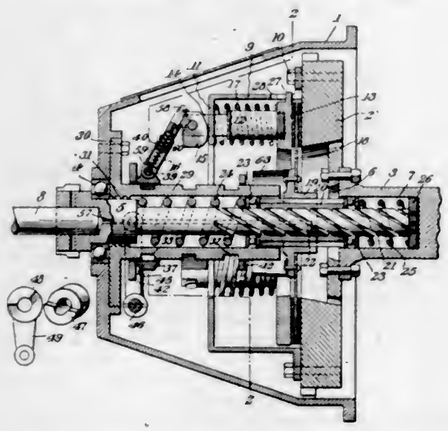
of closely spaced lines, the space between said lines defining the line of severance, the line within this line of severance forming a border of the severed pattern outline.

1,982,006

AUTOMATIC AND MANUALLY CONTROLLED CAM AND LEVER ACTUATED DISK CLUTCH

Raymond Albert Kyle, Breese, Ill.

Application February 28, 1933, Serial No. 658,990
10 Claims. (Cl. 192—.01)



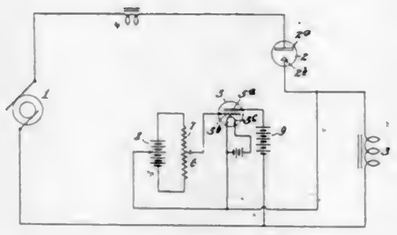
1. In combination with a clutch housing and the fly wheel of an engine having a clutch face and an accelerator, a clutch shaft journaled in said housing and having a feed groove, a boxing slidable on the shaft and having threads to mesh with the feed groove, thrust bearings engaging the ends of the boxing, cushion means between the shaft and the thrust bearings, a clutch plate splined to the boxing, a pressure plate for acting on the clutch plate, and means actuated either manually or automatically by the accelerator of the engine to engage and disengage the clutch plate with the clutch face of the fly wheel.

1,982,007

ELECTRIC CONTROLLING APPARATUS

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application September 11, 1931, Serial No. 562,226
12 Claims. (Cl. 175—363)



1. The combination of a source of alternating current energy, a half-wave rectifier for supplying energy therefrom to an inductive circuit, means for supplying auxiliary uni-directional controlling energy to said circuit comprising a device having a plate, grid and filament, and means for varying the potential of said grid for controlling the voltage of said auxiliary energy for controlling the energy supplied by said rectifier.

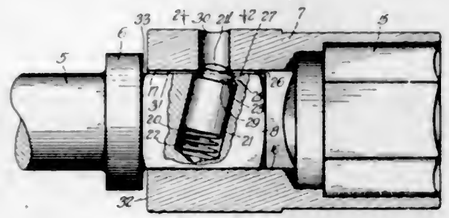
6. The combination of a source of alternating current energy, a half-wave rectifier for supplying uni-directional current therefrom to an inductive circuit, and means for supplying controlling current to said circuit when said rectifier is not active and in the same direction therethrough as the current from said rectifier.

1,982,008

COUPLING

Sigmund Mandl and Edward M. Pfauser, Milwaukee, Wis., assignors to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application February 23, 1934, Serial No. 712,445
1 Claim. (Cl. 287—119)



A coupling for a wrench shank and socket comprising in combination a shank having a polygonal portion at its free end, said shank having a transverse recess the axis of which is inclined at an angle less than 90° with the part of the axis of the shank which extends toward said free end, a spring in said recess, a plunger disposed and guided in said recess and being normally urged outwardly by said spring, said recess and plunger having interengaging shoulders for retaining the plunger in the recess, the outer end of the plunger having substantially cylindrical side walls and a rounded end wall, said recess, spring and plunger lying in the polygonal portion of the shank near the free end, a socket having a recess adapted to fit over said polygonal portion, the shank and sleeve having stop means to limit the motion of the sleeve relative to the shank, said socket having a radially extending opening adapted to be aligned with the end of the plunger when the stop means is engaged, the diameter of said outer end of the plunger being greater than the diameter of the hole in the socket, and the shoulder and said hole being so related that an edge of the whole may engage the cylindrical side wall of the end of the plunger to hold the socket positively against normal removal, the rounded end of the plunger pressing radially against another edge of said hole to take up any lost motion in fit between the shank and the socket.

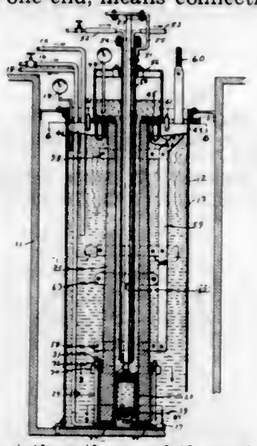
1,982,009

MEANS FOR ELECTROPLATING THE INTERIOR SURFACES OF HOLLOW ARTICLES

Paul E. McKinney, Bethlehem, Pa., and Harry Le Laurin, Washington, D. C.

Application November 30, 1931, Serial No. 578,172
8 Claims. (Cl. 204—5)

4. An anode for chromium plating the interior surfaces of hollow cylinders, comprising a tube of copper exteriorly plated with lead, a solid bar of copper extending through said tube and sealed to said tube at one end, means connecting said bar



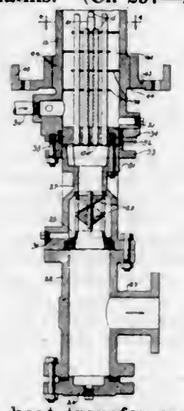
to said tube at the other end thereof, and means to circulate a fluid in said tube.

1,982,010

HEAT TRANSFER APPARATUS

Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 16, 1932, Serial No. 605,618
3 Claims. (Cl. 257—225)



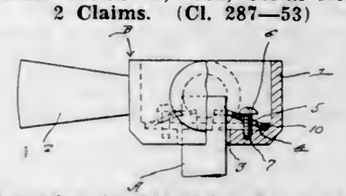
1. Gas or air heat transfer apparatus including an elongated cylindrical casing adapted for the passage of a heat transfer medium therethrough generally from one end to the other end thereof, tubes extended lengthwise through the casing for the gas or air between which and said medium the heat transfer is to be effected, said tubes being arranged in a nest to provide an annular chamber within the casing around the tubes, and baffle means in said casing for deflecting said medium in a transverse direction across portions of said tubes, said baffle means including plate-like elements of generally circular shape having approximately one-half thereof dimensioned to fit the interior curvature of the casing and having a semi-annular cutaway-portion at the other side thereof to provide for passage of the medium generally axially of the casing in the annular space between the nest of tubes and the internal casing wall, there being a plurality of such plate-like elements arranged in spaced relation along the length of the casing with their cutaway-portions alternately oppositely disposed at different sides of the casing, together with additional baffles extended between said plate-like elements and lying in planes disposed generally radially of the casing in the annular space between the inner casing wall and the nest of tubes, there being baffles of the type last mentioned positioned at opposite sides of the casing adjacent the points of termination of said cutaway-portions of the plate-like elements.

1,982,011

MEANS FOR ATTACHING A HANDLE TO A STEM OR SPINDLE

Harold Michel, New York, N. Y.

Application March 26, 1934, Serial No. 717,533
2 Claims. (Cl. 287—53)



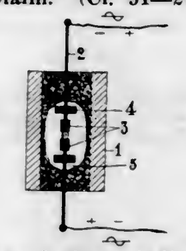
1. Means for attaching a handle to a stem comprising a cup-shaped hub forming part of the handle and having an opening therein for receiving a part of the stem, plates located in the hub and having points thereon for engaging the stem and screws passing through the plates into the hub for forcing the points into engagement with parts of the stem.

1,982,012

PROCESS FOR MANUFACTURING HARD OBJECTS IN SILICIDIZED CARBON OR OTHER SIMILAR SUBSTANCES

Aurèle Louis Mingard, Lausanne, Switzerland

Application April 20, 1932, Serial No. 606,490
In France May 11, 1931
1 Claim. (Cl. 51—278)



A method of producing grinding wheels comprising positioning a wheel formed of carbon on one of a pair of electrodes, surrounding the electrodes and carbon wheel with a charge of silica and carbon, electrically energizing the electrodes and striking an arc between them, maintaining the vapor phase products of conversion formed by heat supplied to the charge from the arc in a pocket formed in the charge about the arc, and continuing the arc until the pocket has increased due to conversion of the charge into vapor phase products to a size sufficient to include the carbon wheel and thereby subject the wheel to the silicidizing action of silicon vapor in the pocket.

1,982,013

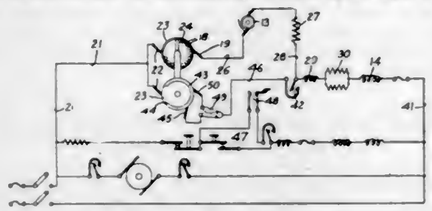
SORTING MACHINE

Louis Momon, Paris, France, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application February 12, 1930, Serial No. 427,784
4 Claims. (Cl. 209—110)

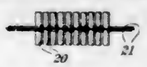
1. In a cyclically operable card sorting machine, analyzing means comprising devices which cause electric energy to pass through holes in the

card, a plurality of distributing passageways, a magnet controlled by said analyzing means during a cycle of the machine to open the receiving end of a passageway for the card, the position of the card itself determining which passage shall



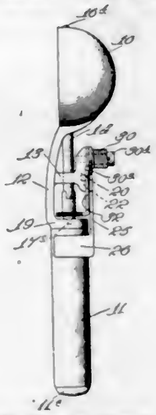
be opened, and means including a holding circuit for maintaining said magnet energized throughout the remainder of said cycle and during a part of the next cycle to open the receiving end of another passage for another card.

1,982,014
YARN AND MANUFACTURE OF THE SAME
James Morton, Carlisle, England
Application October 14, 1933, Serial No. 693,567
In Great Britain October 26, 1932
8 Claims. (Cl. 117—14)



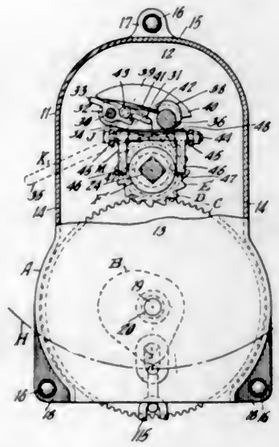
6. A method of manufacturing round-section yarn from tufted thread such as chenille including a core with fibrous tufts attached thereto, which method consists in simultaneously rolling and pressing said tufted thread transversely thereof until the tufts wind tightly around the core with the fibres composing adjacent tufts intermingled to present a round, compact and felted surface.

1,982,015
LADLE
Louis Myers, Chicago, Ill.
Application April 24, 1933, Serial No. 667,719
4 Claims. (Cl. 107—48)



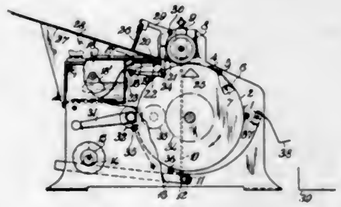
1. A ladle, including; a bowl; a handle; a bridging member joining the bowl to the handle; a scraper swingably mounted in the bowl; a bearing carried by the bridging member under the same; a scraper-operating shaft alined with the handle and rotatably mounted in said bearing; an extension shaft detachably connected to the end of said shaft and lying between said bearing and the handle, said extension shaft having a bearing in the end of the handle; a gear on the extension shaft; a pivotally mounted lever provided with a curved rack bar engaging said gear; and means for swinging said lever.

1,982,016
HAND BRAKE
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 21, 1931, Serial No. 517,506
3 Claims. (Cl. 74—505)



1. In a hand brake mechanism, the combination with a rotary chain-winding element; of rotary means for actuating said chain-winding element; releasable clutch means operatively connecting said rotary means and element; releasable locking means for preventing rotation of said element in unwinding direction; a cam member adapted to actuate said clutch means; a lever movable in one direction for actuating said cam; a finger movable in unison with said cam for tripping said locking means subsequent to release of the clutch means; and a second trip finger movable in unison with said lever and cam means operative when the lever is swung in a reverse direction for tripping the locking means only.

1,982,017
APPARATUS FOR MULTIPLYING RECORDS
Alfred Oser, Vienna, Austria
Application November 18, 1931, Serial No. 575,842
In Austria January 2, 1931
15 Claims. (Cl. 101—132)

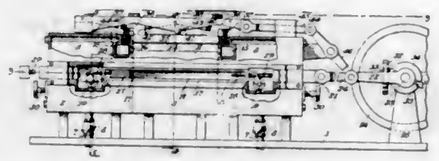


1. Apparatus for multiplying records by drawing an original sheet and a moistened copy sheet through a pair of rollers, comprising in combination two rollers arranged one above the other, a fastening device provided on the lower roller for securing the original sheet thereto, a stationary moistening member, and a pressing member adapted to be lifted and lowered and to press the copy sheet against the moistening member.

1,982,018
COATED PAPER
Allen F. Owen, Glenbrook, Conn., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a corporation of Connecticut
No Drawing. Application November 14, 1931, Serial No. 575,145
4 Claims. (Cl. 91—68)

1. A coated paper consisting of paper coated with a mixture comprising a major proportion of mineral material, and casein, rubber solids of an aqueous dispersion of rubber, and triethanolamine in minor proportion.

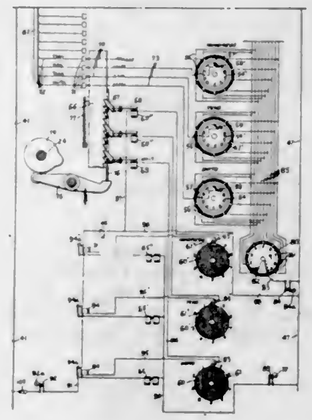
1,982,019
COMPRESSED AIR MOTOR
Joseph E. Peltier, Bartlesville, Okla., assignor, by direct and mesne assignments, of sixty-three sixty-fourths to J. E. Crawford and H. G. Crawford, Bartlesville, Okla., and J. M. Greenwood, Eva J. Greenwood, L. C. Robbins, and Ola C. Robbins
Application May 15, 1933, Serial No. 671,248
5 Claims. (Cl. 121—124)



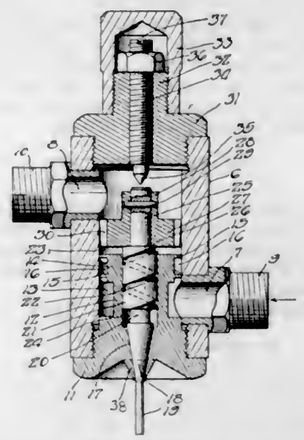
1. A compressed air motor including a base supporting a power take-off shaft, a compressed air supply means, end and intermediate blocks on the base and each having a chamber, a cylinder carried by said blocks, means connecting the chambers of the end blocks to said compressed air supply means, a piston connected to said shaft and slidable in the cylinder, oscillating valves between the ends of the cylinder and the chambers of the end blocks, means carried by the piston to actuate the valves for alternatingly admitting air pressure to opposite sides of the piston for reciprocating the latter, an exhaust mechanism journaled in the chamber of the intermediate block and having spaced pockets, said chamber of the intermediate block having communication with the cylinder to permit the pockets to successively communicate with the cylinder to receive air from the cylinder to exhaust the latter, means to impart a step by step movement to the exhaust mechanism from the shaft, and means for exhausting air from the pockets of the exhaust mechanism.

1,982,020
TABULATING MACHINE
Harold L. Read, Endicott, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 10, 1931, Serial No. 574,212
5 Claims. (Cl. 235—92)

2. In a machine of the class described, means for analyzing a perforated record card, multiplier and multiplicand setup devices controlled thereby, adding mechanism, electric circuits for causing the repeated transfer of the amount contained in one of said devices to said adding mechanism, and means controlled by the other device for determining the number of transfer operations to be performed.



1,982,021
LIQUID FEED DEVICE
Paul B. Renfrew, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application June 28, 1930, Serial No. 464,567
21 Claims. (Cl. 184—7)

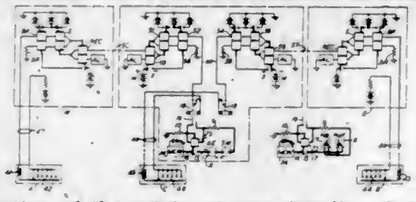


1. In a liquid feeding device, the combination of a jump needle valve, and means for jumping said valve to open position and rotating the same while open said valve having means for feeding liquid when rotated.

1,982,022
TELEGRAPH SYSTEM
Elmer W. Reeve, Chicago, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 23, 1933, Serial No. 672,479
5 Claims. (Cl. 178—69)

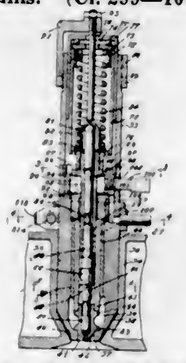
1. A telegraph system non-signaling disturbance indicator which comprises a monitoring device, a relay connecting said monitoring device to a telegraph system and indicating de-

vices electrically connected to said relay to indicate the direction of signal transmission, and the



direction of the origin of non-signaling disturbances.

1,982,023
LIQUID FUEL INJECTOR
Frederick Ritz, Beloit, Wis.
Application July 27, 1931, Serial No. 553,277
19 Claims. (Cl. 299—107.2)



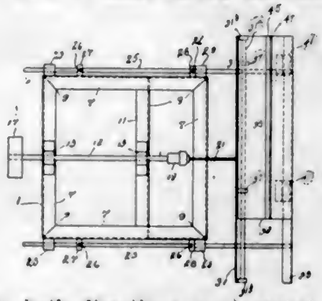
1. In an injector of the solid injection type, a casing having a fuel supply chamber and an orifice at the lower end thereof, a differential needle within said chamber arranged to close said orifice, and means for trapping gas entering said chamber through said orifice.

1,982,024
TREATMENT OF FIBROUS MATERIAL
Reed P. Rose, Jackson Heights, and Allen F. Owen, Saratoga Springs, N. Y., assignors to General Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 7, 1930, Serial No. 442,464
8 Claims. (Cl. 18—50)

1. A process for the manufacture of fibre and rubber combinations for molding, sheeting, tubing and like operations which comprises introducing an aqueous dispersion of rubber and fibrous material into a mixer and uniformly mixing the same, and evaporating water from the same to thicken the mixture without substantial coagulation of the rubber therein.

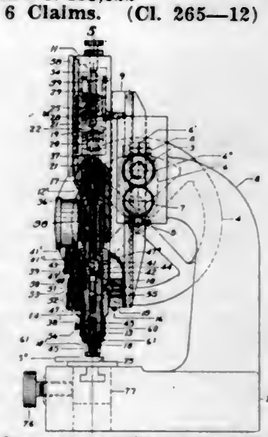
1,982,025
BORING MACHINE
Stephen Y. Russell, Okmulgee, Okla., assignor to Adlai S. Baker, Okmulgee, Okla.
Application November 14, 1932, Serial No. 642,652
6 Claims. (Cl. 144—92)

1. A device for boring holes in fence posts or the like, comprising a frame, legs supporting the frame, top members connecting the upper ends of the legs, a cross piece connecting two of the top members, bearings carried by the cross piece and one of the top members, a shaft rotatably mounted therein, power attachment means at one end of said shaft, a chuck for the support of a boring tool at the other end of the shaft, aligned bearing members adjacent the tops of the legs, a pair of parallel shafts slidably mounted in the said bearings and projecting a substantial distance past one edge of the frame, adjustable stops on the shafts to limit sliding movement of the



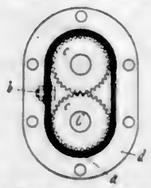
shafts in both directions, an inverted L-shaped member connecting the projecting ends of said shafts, a second L-shaped member connecting said shafts inwardly of said first named member and parallel to the same, a rod carried by said second L-shaped member, and a work supporting carriage slidably mounted for lateral movement on said rod and said inverted L-shaped member.

1,982,026
APPARATUS FOR MEASURING THE HARDNESS OF MATERIALS
Albert F. Shore, New York, N. Y.
Continuation of application Serial No. 182,243, April 9, 1927. This application March 24, 1930, Serial No. 438,622
6 Claims. (Cl. 265—12)



6. In hardness measuring apparatus, the combination of a press frame arranged with a support for the material the hardness of which is to be measured and having means for applying pressure including a gear train for multiplying the power applied to said means and means to rotate the gear train adapted to be adjusted angularly to different operative positions, a pressure gage associated with the press frame, said gage having adjustable weigher spring means, a pressure bar slidable in said gage and movable relative thereto when actuated by said spring means, said pressure bar comprising telescopic inner and outer portions, an impressor point removably carried at the lower end of said pressure bar, a yielding member interposed between the telescopical portions of the pressure bar, said member being responsive to variations of pressure exerted upon said pressure bar, a lever pivoted on one of said portions of the pressure bar and having one arm in contact with the yielding member, a depth gage carried by the other arm of said lever, and means for actuating said gage, including an adjustable member to contact with the material on the material support of the press frame.

1,982,027
CASING FOR CIRCULAR PISTON ENGINES
Fritz Sieper, Wuppertal-Langerfeld, Germany
Application July 21, 1933, Serial No. 681,651
In Germany August 8, 1931
4 Claims. (Cl. 103—126)



1. In an engine having geared piston elements, a housing including an elongated elastic ring surrounding the peripheral portions of said elements and bearing at its ends against respective gear elements, said housing ring consisting of a band of spring metal wound upon itself in a plurality of convolutions.

1,982,028
ACTIVATION OF MATERIALS
George Sperti, Covington, Ky., assignor to General Development Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 28, 1929, Serial No. 417,267
6 Claims. (Cl. 99—11)

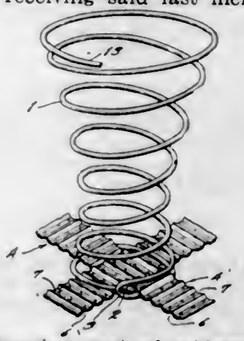
1. That process of increasing the vitamin content of food substances which comprises subjecting them to radiations of the character known as soft X-rays having wave lengths between approximately 2 and 13 Angstrom units.

1,982,029
PROCESS FOR TREATING FOOD SUBSTANCES
George Sperti, Covington, Ky., and Robert J. Norris, Robert B. Withrow, and Herman Schneider, Cincinnati, Ohio, assignors to General Development Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 5, 1931, Serial No. 513,774
4 Claims. (Cl. 99—11)

2. A process for treating food products which consists in simultaneously increasing the vitamin content of the food and destroying the bacteriological impurities therein by irradiation with ultra-violet light while excluding from said light those shorter wave lengths that are harmful to the taste, smell and color of the food.

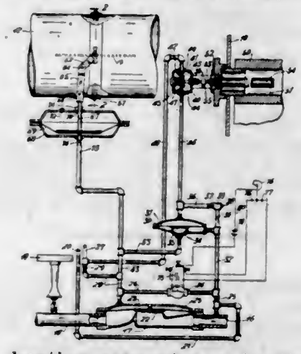
1,982,030
SPRING MOUNTING
Mathias Stadtler, Flushing, N. Y.
Application July 18, 1932, Serial No. 623,080
Renewed October 3, 1934
6 Claims. (Cl. 5—264)

1. In a spring construction, the combination with a coil spring having free end portions at the upper and lower sides thereof, of a support for the lower end of said spring, a covering for the upper end of said spring, and a curved pocket secured to said covering for receiving the adjacent free end of said spring, the lower end of said spring having the free end thereof extending in the same general direction as the free end at the upper side of said spring, means on said support for receiving said last mentioned end,



and means forming part of said spring for releasably retaining said spring in operative position against reverse rotation after the ends thereof have been moved into their respective receiving means, said means for retaining said spring releasably in operative position comprising a hook on the lower free end of said coil adapted to interlock with a reversely bent portion of said coil adjacent to said free end.

1,982,031
CONTROL FOR FUEL BURNERS
Willet E. Stark, East Cleveland, Ohio, assignor, by mesne assignments, to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application May 27, 1933, Serial No. 673,261
20 Claims. (Cl. 236—1)



1. In a heating apparatus, a heating unit, a line for permitting the flow of fuel thereto, a main valve for starting and stopping the flow of fuel, a control mechanism for said valve, a flue pipe having means to permit the passage of air thereinto from outside the unit, and means acting upon the closure of the main fuel valve for preventing air from passing from outside said unit into said flue pipe.

1,982,032
ELECTRIC FUSE
Washington A. Stoehr, Reserve Township, Allegheny County, Pa.
Application May 13, 1933, Serial No. 670,820
3 Claims. (Cl. 200—119)

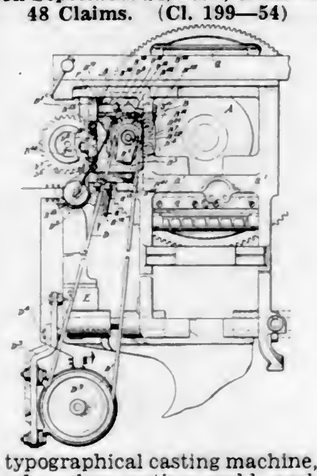
1. In an electric fuse, the combination of an adapter having a longitudinal bore with a longitudinally disposed groove in the side wall thereof and an annular seat in the wall of the bore at

the inner end of the groove, electrical contact means exposed in said groove, a plug arranged to be inserted in said bore, a second contact means projecting from the plug which engages said groove while the plug is being inserted and which is caused to move along said seat into contact



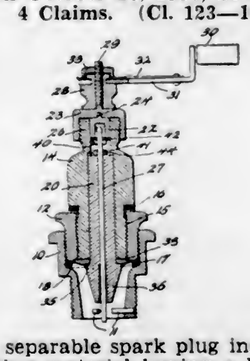
with the first mentioned contact means by the rotation of the inserted plug, a filler ring rotatably mounted in said seat and gapped to receive the second contact means, and a fusible element carried by the plug and electrically connected with the second contact means.

1,982,033
TYPOGRAPHICAL CASTING MACHINE
Anthony Joseph Stouges, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application September 24, 1932, Serial No. 634,646
48 Claims. (Cl. 199—54)



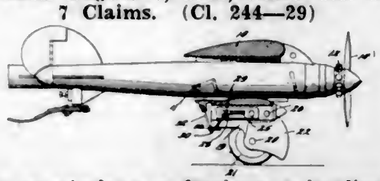
1. In a typographical casting machine, the combination of a slug casting mold, and a power driven rotary cutter for automatically trimming the printing faces of slugs cast in said mold.

1,982,034
RENEWABLE SPARK PLUG
Lewis J. Tetlow, Holyoke, Mass.
Application October 10, 1930, Serial No. 487,855
4 Claims. (Cl. 123—169)



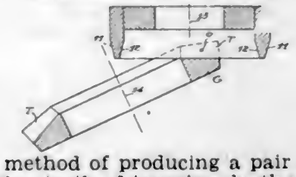
1. In a separable spark plug insulator, a body of insulating material having a bore therein, a core section of insulating material separably telescoping within the body, substantially its entire length, a central electrode permanently fixed within the core, a bushing surrounding the lower end of said core section, a head on the lower end of the electrode engaging the lower end of the core, and a terminal nut threaded on the upper end of the electrode, said terminal nut having a broad base for engaging the upper end of the core and the insulator body whereby said electrode serves to bind the parts together.

1,982,035
AIRPLANE BRAKE
Lewis J. Tetlow, Holyoke, Mass.
Application August 7, 1931, Serial No. 555,839
7 Claims. (Cl. 244—29)



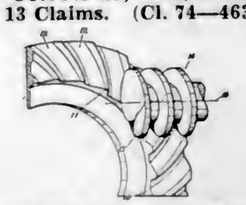
1. In an airplane, a fuselage, a landing gear including a horizontal beam and downwardly extending wheel carrying members, a bar spaced below and parallel with said horizontal beam, and a brake pivoted to said bar and between said members.

1,982,036
METHOD OF PRODUCING GEARS
Ernest Wildhaber, Brooklyn, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 23, 1931, Serial No. 524,633
25 Claims. (Cl. 90—4)



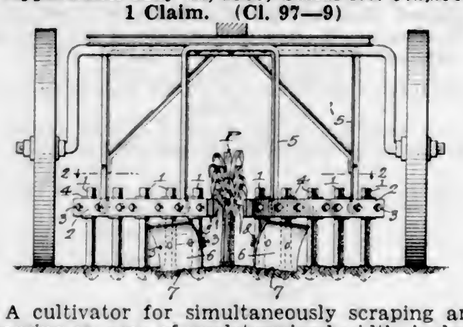
1. The method of producing a pair of tapered gears having teeth of tapering depth which comprises cutting the side tooth surfaces of one member of the pair in a forming operation by a relative depth-wise feed between the cutter and the gear blank, and cutting the side tooth surfaces of the other member of the pair in a generating operation in which the tool represents a tapered gear other than the mate gear and the tool and blank are rolled relative to one another as though the blank were rolling on such a tapered gear.

1,982,037
GEAR
Ernest Wildhaber, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application October 29, 1931, Serial No. 571,848
13 Claims. (Cl. 74—463)



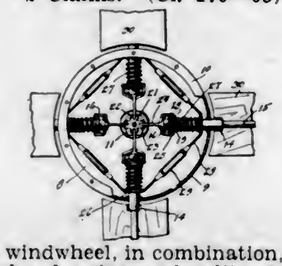
1. A pair of gears comprising a crown gear and a pinion, said pinion meshing with said crown gear with its axis offset from the axis of said crown gear and disposed at right angles to a plane containing the axis of the crown gear, both the crown gear and pinion having longitudinally curved tooth surfaces, the crown gear having tooth surfaces of uniform pressure angle from end to end and the tooth surfaces of the pinion being molded-generated conjugate to those of the crown gear.

1,982,038
COMBINED SCRAPER AND CULTIVATOR
Zabdiel Williams, Fruitvale, Tenn.
Application May 22, 1933, Serial No. 672,290
1 Claim. (Cl. 97—9)



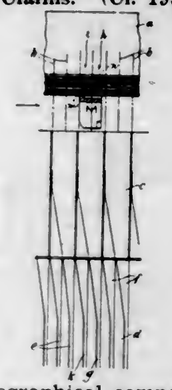
A cultivator for simultaneously scraping and scarring an area of predetermined width, including a frame, cultivator teeth having shanks connected to the frame, a bowed scraping blade in front of the shanks, each blade being straight from side to side and having a bottom scraping edge, a clamping bar back of the engaged shanks, and means extending between said shanks and adjustably connecting the blade to the bar for binding the bar and blade upon the shanks and for holding the blade against lateral displacement relative to the shanks, the teeth on the engaged shanks being extended below the scraping edge of the blade to scar the area scraped by the blade.

1,982,039
WINDWHEEL GOVERNOR
Joseph W. Youngberg, Harptree, Saskatchewan, Canada
Application September 28, 1933, Serial No. 691,394
In Canada January 23, 1933
2 Claims. (Cl. 170—68)



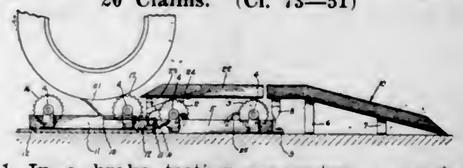
1. In a windwheel, in combination, a rotatably mounted closed casing, a plurality of radially disposed sleeves permanently secured to the wall of the casing, a blade carrying spindle rotatably mounted in each sleeve and endwise shiftable under the action of centrifugal force, pins carried by the inner ends of the spindles and slidably received within spiralling slots provided in the sleeves and adapted to rotate the spindles to increase the pitch of the blades as the spindles move out under the action of centrifugal force, a washer slidably mounted on each sleeve within the casing, adjustable tie rods connecting the washers together, a second washer on each sleeve engaging the pin and a spring interposed between the first and last washer.

1,982,040
DISTRIBUTING MECHANISM OF TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINES
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application July 26, 1933, Serial No. 682,188
In Germany August 30, 1932
3 Claims. (Cl. 199—64)



1. In a typographical composing and distributing machine equipped with a distributor bar having a succession of distributing teeth combinations, a matrix with one toothed distributing combination located on the following edge thereof during the distributing movement and corresponding with a definite magazine channel, characterized by the fact that for display matrices which are wider than the length of an individual bar combination, the selected tooth combination will correspond to that of the preceding magazine channel in order to ensure better dropping facilities for the matrices and to permit the construction of the magazine entrances with straight intermediate partitions.

1,982,041
BRAKE TESTING APPARATUS
Adelbert C. Anderson and Wallace R. Strandberg, St. Paul, Minn., assignors to Straight Stop Corporation, St. Paul, Minn., a corporation of Minnesota
Application February 6, 1933, Serial No. 655,378
20 Claims. (Cl. 73—51)

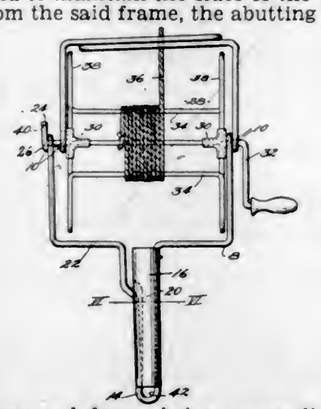


1. In a brake testing apparatus, a carriage having movable elements mounted thereon adapted to support a wheel, means for locking the carriage against traveling movement, and means positioned to be engaged by a wheel driven onto said carriage whereby said locking means is rendered inoperative to permit the carriage to be advanced by said wheel.

1,982,042
CLOTHESLINE REEL
Henry Basler, Kansas City, Mo.
Application September 19, 1932, Serial No. 633,733
1 Claim. (Cl. 242—96)

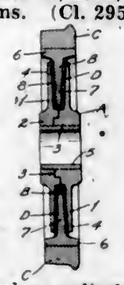
A reel of the character described comprising a frame of a continuous piece of formed wire to

create axially aligned, opposed bearings, a guide and a compressible loop portion; a grooved handle associated with said loop with the groove of the former receiving one side of the latter, said groove being deep enough to permit compression of the loop; a windlass rotatably journalled in said bearings and circumscribed by the said frame; a latch to preclude rotation of the windlass in one direction; and a fixture at each side of said windlass formed to secure together the portions of the windlass on each side of the axis thereof and to maintain the sides of the windlass spaced from the said frame, the abutting faces of



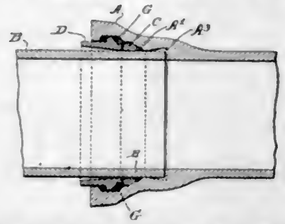
said fixtures and frame being perpendicular to the axis of the windlass to preclude longitudinal movement, said latch comprising a displaceable latch finger, having an inclined face, formed on the said frame at one of said bearings, a radially projecting stub integral with the said windlass adapted to engage the said inclined face of the latch finger as the windlass is turned in one direction, said engagement serving to displace the said latch finger longitudinally of the windlass axis, said latch being rendered inoperative to permit free rotation of the windlass in either direction, by compressing said loop.

1,982,043
CAR WHEEL
Nelson R. Brownyer, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 23, 1931, Serial No. 582,698
2 Claims. (Cl. 295—11)



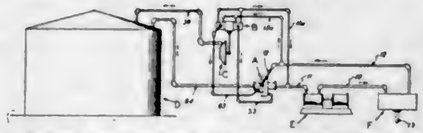
1. In a car wheel, a cylindrical rim member having an inwardly extending flange provided thereon; a pair of apertured cylindrical hub members disposed in abutting axial alignment and concentrically disposed with respect to said rim member, said hub members having outwardly extending flanges provided thereon disposed on opposite sides of, and overlapping the flange provided on said rim member, the opposed surfaces of said flanges being substantially parallel from their inner to their outer peripheries; said rim and hub member flanges being completely spaced from each other and having resilient material disposed at least between the parallel surfaces thereof; and a cylindrical sleeve disposed within the aligned portions of said hub members and securing the latter together in operative relationship, said sleeve having an axial length that is at least as great as the combined axial length of said hub members.

1,982,044
PIPE JOINT
Stuart B. Clark, Riverton, N. J., assignor to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey
Application July 22, 1933, Serial No. 681,707
2 Claims. (Cl. 285—115)



1. A pipe joint comprising a bell adapted to receive a spigot end of a pipe and provided with an annular gasket seat located to surround a portion of the spigot when entered in the bell and with a series of transversely extending inwardly projecting spaced lugs formed on its inner surface beyond the portion of the bell in which the gasket is located in combination with the spigot end of a pipe entered in the bell, an annular gasket surrounding the spigot end and seated on the gasket seat formed in the bell, an annular gland located in the annular space between the outer portion of the bell and the spigot end of the coupled pipe and so located therein as to hold the gasket in compression, said gland being formed with a series of transversely extending and outwardly projecting spaced ribs on its outer surface, said ribs being so located on the gland that, when the gasket is under compression they will lie inside of and at a distance from the ribs formed on the bell and so proportioned and spaced as to pass through the spaces intervening between the lugs formed on the bell and means for locking the gland in gasket compressing position in the bell consisting of an annulus of a material capable of being cast and normally incompressible at ordinary temperatures located in the annular space between the gland and the bell and interengaged with the ribs formed thereon.

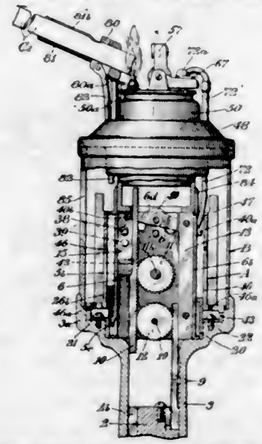
1,982,045
GAS TANK PRESSURE REGULATOR
Stanley D. Clithero, Long Beach, and Eugene G. Durando, Los Angeles, Calif.
Application November 2, 1931, Serial No. 572,618
3 Claims. (Cl. 220—85)



1. Means for controlling the pressure in a tank communicating through separate channels with a gas pressure main and a vacuum main, said means comprising: a pressure control valve interposed in each said channel, each said valve comprising a cylinder, a piston moving therein

and an opening in said piston so placed as to open and close said channel on alternate endwise movement of said piston; a pilot valve having a reciprocable element, each end of said element being ported to afford communication between said pressure and vacuum mains, alternately, and one said control valve cylinder; a pressure responsive means communicating with the interior of said tank and adapted to produce a reciprocating movement in response to changes in pressure within said tank, and mechanical linkage whereby said reciprocating movement produces a corresponding movement of said reciprocable pilot valve element.

1,982,046
CIGARETTE DISPENSING AND LIGHTING MECHANISM
William Deats, Newark, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application April 25, 1930, Serial No. 447,159
15 Claims. (Cl. 312—86)

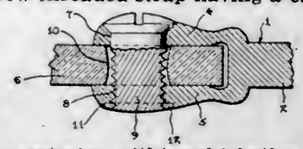


1. The combination with pyrophoric flame-producing means, of a circular chamber wherein cigarettes are adapted to be supported in upstanding relation, a cigarette holder, means for transporting a cigarette from said chamber to said holder, means for tipping one end of said cigarette into predetermined position, means for operating said flame-producing means to produce flame at said cigarette end, and a manually operable device for actuating all of said means in timed relation.

4. In combination, lighting mechanism comprising a rotatable spark-producing wheel and a snuffer cap movable independently thereof, a standard supporting said lighting mechanism, a member slidable on said standard and having said lighting mechanism movable therewith, said member being operable by direct manual action to actuate said wheel for producing a flame, and means for disposing the end of a cigarette in said flame.

1,982,047
EYEGLASS AND SPECTACLE MOUNTING
Ralph L. Dublin, Rochester, N. Y.
Application April 4, 1933, Serial No. 664,400
4 Claims. (Cl. 88—47)

1. A mounting of the class described having a nose piece end in which there is comprehended a set of spaced straps holding therebetween a lens, and in combination with said straps a screw that passes from a screw head receiving opening in one of said straps to and through an opening in the lens, thence into, through and beyond a screw threaded opening in the other of said straps, with which screw threaded opening the threaded section of the screw has a direct fit, said last mentioned screw threaded strap having a cavital por-



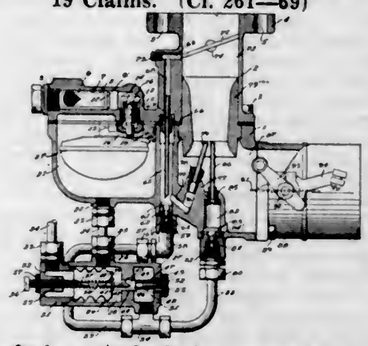
tion at the exterior within which the projecting end of the screw is centrally located, and means providing a cementing medium seated in the cavity and extending from the threaded exterior of the screw to the peripheral wall of the cavital portion and serving to cohesively secure the screw in place in said mounting.

1,982,048
SOLUBLE DRIER FOR PAINTS AND VARNISHES
Robert A. Dunham, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application September 16, 1933, Serial No. 689,787
11 Claims. (Cl. 134—57)

3. A drier produced by combining a drying metal of the class consisting of cobalt, copper, lead, manganese and zinc with the fatty acids of coconut oil, the drier readily forming a fine suspension by stirring in cold naphtha, this suspension being readily converted into a clear solution by heating to the boiling point of water without reprecipitation for several hours after cooling.

7. An oil soluble drier produced by combining a "drying" metal of the class consisting of cobalt, copper, lead, manganese and zinc with a mixture of capric, lauric and myristic acids, having a waxy consistency and being readily miscible in cold naphtha and readily soluble in naphtha at the boiling point of water.

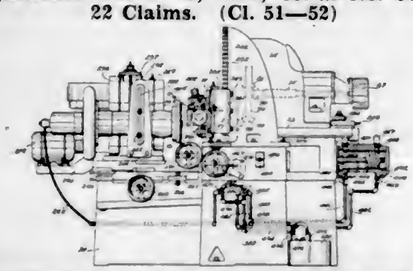
1,982,049
FUEL CONTROL APPARATUS
Robley D. Fageol, Oakland, Calif., assignor to Leibing Automotive Devices, Inc., Oakland, Calif., a corporation of Nevada
Application March 20, 1931, Serial No. 524,148
19 Claims. (Cl. 261—69)



1. A fuel control device comprising means adapted for association with the fuel spraying nozzle and throttle of an internal combustion engine embodying mechanism controlling the fuel supply to the engine; and means responsive only to pressures on the engine side of the throttle

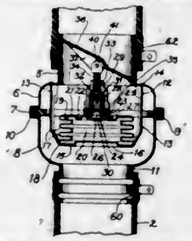
lower than normal idling intake manifold pressures of the engine to actuate said mechanism to cut off the fuel supply and to withdraw a portion of the fuel from said spraying nozzle.

1,982,050
METHOD OF AND MACHINE FOR PRODUCING GEARS
James E. Gleason and Edward W. Bullock, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 25, 1932, Serial No. 601,190
22 Claims. (Cl. 51—52)



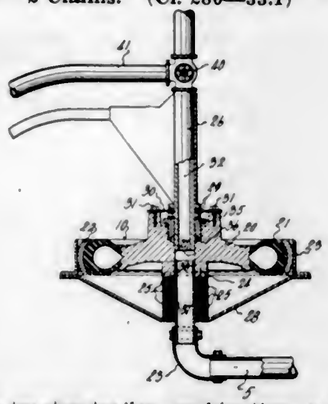
8. The method of producing a tapered gear having longitudinally curved teeth of tapering depth which comprises producing its tooth surfaces by moving a tool in a direction perpendicular to the pitch plane of the gear blank while moving the tool about an axis perpendicular to said plane.

1,982,051
MOTORSTAT
John E. Golob, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application October 17, 1932, Serial No. 638,112
6 Claims. (Cl. 236—34)



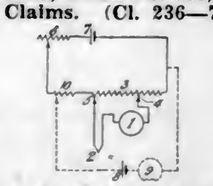
3. A thermostatic valve mechanism, adapted to be interposed in a hose line and to form a length of conduit therefor comprising a two-piece casing consisting of two casing parts, each having a reduced tubular end extending oppositely to the similar end of the other part, the parts being sealedly joined together at relatively enlarged adjacent ends, one of said parts forming the sole support for a thermostatic valve device, said device comprising a bellows thermostat, a butterfly valve means, a motion communicating link means between said valve means and thermostat and a supporting strap for carrying the thermostat on said part, said thermostat and strap being projected into an enlarged intermediate portion of said casing, said valve means being pivoted transversely within the reduced tubular end of said part, said valve means comprising vane means adapted to extend in opposite directions from a transversely medial portion of the tubular end of said part substantially to the lateral walls thereof, to close the passage through the casing when the fluid therein surrounding the thermostat is at a predetermined low temperature, said thermostat operable to communicate motion through said link means to said vane means to variably open the passage upon increases of temperature of said fluid, the reduced tubular end of said device supporting part adapted to be telescoped within a hose line end constrictingly engaging it and guarding means maintaining said valve and pivot therefor free of contact from said hose line end and sealing said casing at said pivots.

1,982,052
SEMITRAILER
Daniel E. Hennessy, Miami, Fla., assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla., a corporation of Florida
Application August 7, 1933, Serial No. 683,962
2 Claims. (Cl. 280—33.1)



1. In a tractor-trailer combination, a coupling comprising a hollow vertical post, open at its ends, rigidly secured to one of the vehicles, a hub member non-rotatably secured to the other vehicle and provided with a vertical opening extending through the hub member within which the said post extends to form an articulated connection between the vehicles, and an annular packing member positioned in the hub opening and making a fluid-tight seal with the outer surface of the post, the opening in said hub and the hollow post affording an uninterrupted path of communication between the vehicles throughout the entire range of relative angular movement of the vehicles.

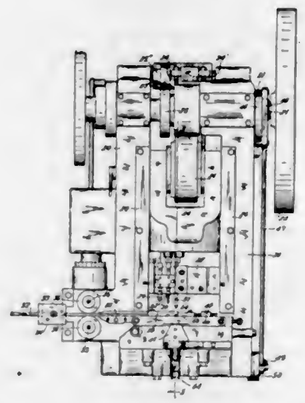
1,982,053
AUTOMATIC RECORDING AND/OR CONTROLLING APPARATUS
John Lawrence Hodgson, Giles Philip Eliot Howard, and Alexander Ivanoff, Biscot Road Works, Luton, England, assignors to George Kent Limited, London, England
Original application November 27, 1931, Serial No. 577,656. Divided and this application October 18, 1932, Serial No. 638,398
8 Claims. (Cl. 236—70)



1. In an apparatus for indicating, recording, or controlling a physical quantity such as temperature or flow, an electrical circuit including a potentiometer, a resistance connected with one end of said potentiometer, a source of potential

connected with the other end of said potentiometer, a variable resistance connected with the other side of said source of potential, said variable resistance being electrically connected with the aforesaid resistance, a series path including a plurality of resistors, said series path being connected in shunt with the series circuit formed by said potentiometer and said first mentioned resistance, a series circuit including a thermocouple and a galvanometer connected through adjustable taps with said potentiometer and with one of the resistors in said series path, a deflecting pointer actuated by said galvanometer, a circuit including a standard cell and a galvanometer electrically connected in series between the end of said potentiometer which connects to said source of potential and an adjustable tap on said resistance.

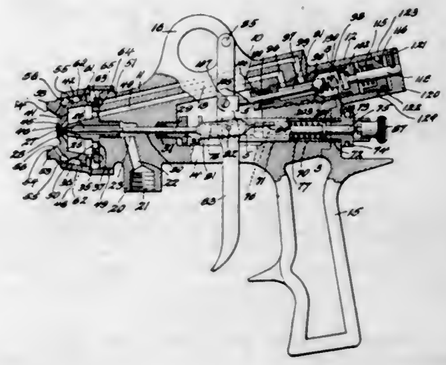
1,982,054
METHOD AND APPARATUS FOR MAKING NUTS
Henry J. Hogue, Lakewood, Ohio, assignor of one-third to Charles L. Wasmer and one-third to John C. Wasmer, Lakewood, Ohio
Application February 6, 1934, Serial No. 709,985
3 Claims. (Cl. 10—86)



1. In nut-making apparatus, the combination with reciprocating mechanism for automatically piercing and severing nut blanks from continuous rod stock, of intermittently operating rolls for feeding and flattening the stock prior to the operation thereon of said mechanism, a reciprocating flattening punch carried by said mechanism for flattening the stock between said rolls and said piercing mechanism, said mechanism operating on the stock between the feeding movements thereof, and a drawing die through which the stock is drawn by said feeding means, said die being adapted to change said stock from a round to a substantially oval cross-section.

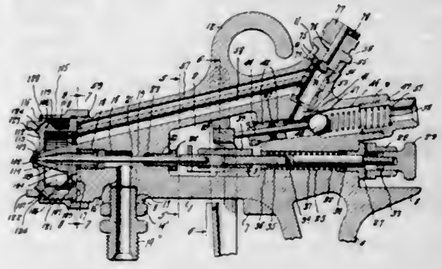
1,982,055
APPARATUS FOR APPLYING PAINT
Alexander F. Jenkins, Baltimore, Md.
Application February 18, 1931, Serial No. 516,798
16 Claims. (Cl. 299—140.1)

13. In a spraying device for coating material or the like, in combination, a nozzle provided with coating material and pressure fluid orifices, means for controlling the supply of coating material to said nozzle, and a valve for controlling the supply of pressure fluid to said nozzle comprising a hollow shell rotatably mounted within said device through which all of the pressure fluid must pass, means for bodily and adjustably



rotating said shell for the purpose of graduating the flow and pressure of said fluid, and a cut-off valve enclosed within said shell for starting and stopping the entire flow of pressure fluid.

1,982,056
SPRAY GUN
Alexander F. Jenkins, Baltimore, Md.
Application May 31, 1932, Serial No. 614,584
9 Claims. (Cl. 299—140.1)

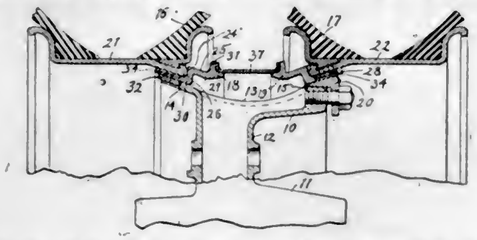


1. In a spray gun, an impelling fluid passage and a spray-modifying fluid passage, a valve chamber in communication with said passages, a valve casing rotatably mounted within the chamber, means in the base of the casing to admit fluid to its interior, an aperture in the casing adapted to register with the impelling fluid passage and one adapted to register with the spray-modifying fluid passage, spiral grooves in the exterior of the casing extending from the apertures at least partially around the circumference of the casing, whereby upon rotation of said casing the flow from said casing to said fluid passage may be regulated or throttled.

1,982,057
ADAPTER RING
Otto H. Jobski, Cleveland, Ohio, assignor to The West Steel Casting Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1930, Serial No. 484,384
5 Claims. (Cl. 301—10)

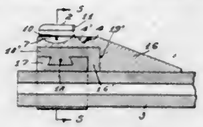
1. In combination a vehicle wheel, and means for adapting said wheel to receive tire rims of different makes, said means comprising a detach-

able adapter ring having an annular surface for wedging engagement with said wheel and a plu-



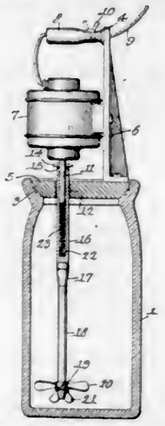
rality of rim retaining grooves for cooperation respectively with tire rims of different makes.

1,982,058
GUN SIGHT
Dean W. King, San Francisco, Calif.
Application August 18, 1931, Serial No. 557,871
3 Claims. (Cl. 33—47)



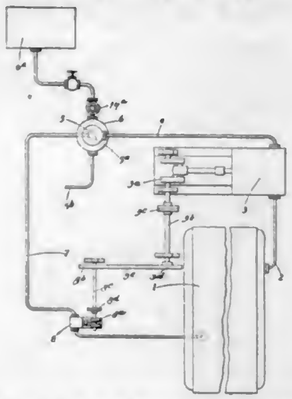
3. A gun sight mounting comprising a chair secured to the gun barrel and having an undercut groove, a filler having a tapered lug fitting in the groove and a flange fitting against the rear end of the chair, a ramp fitting over the filler and having a section bearing against the rear end thereof and having a sight object thereon, the ramp having a depression rearwardly of the sight object and a reflector disposed in the depression so as to be concealed therein and positioned for directing light on the sight object.

1,982,059
POWER CHURN
William Lister Lawler, Birmingham, Ala.
Application October 11, 1932, Serial No. 637,336
2 Claims. (Cl. 259—108)



1. A churn comprising a receptacle, a support mounted for rotary adjustment about a vertical axis on the upper end of the receptacle, a vertical standard secured to the support near to one edge of the support, an electric motor secured to the inner side of the support and having a vertical depending shaft located (due to the position of the standard on the support) eccentrically with respect to the axis of rotary adjustment of the support, a beater carried by the shaft, the beater being located in the receptacle, close to the side wall thereof, and a horizontal handle on the upper end of the standard and overhanging the motor, the handle having a free outer end, whereby the handle can be grasped conveniently, from one side of the churn, to effect rotary adjustment of the support.

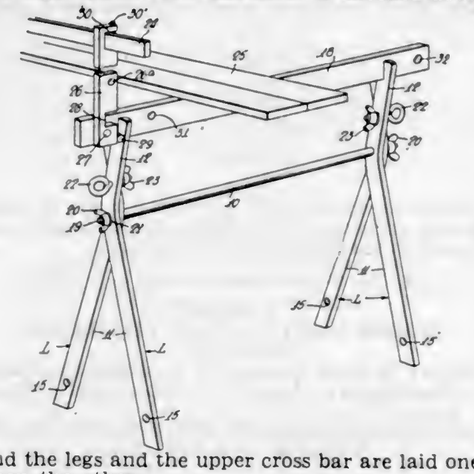
1,982,060
CONSERVATION OF HEAT WITHIN A STEAM POWER SYSTEM
John McCallum, Glasgow, Scotland, and Harry Percival Harvey Anderson, Surbiton, England
Application December 22, 1931, Serial No. 582,608
In Great Britain August 7, 1925
11 Claims. (Cl. 60—92)



1. Means for the conservation of heat within a steam power system, comprising a steam generator including a water space therein; a steam power unit driven by steam from the generator; a receiver of which the volume is smaller than the volume of the working chamber of the steam power unit and into which the exhaust of the power unit is passed; said receiver including a pipe system, means surrounding said pipe system for effecting the abstraction of heat from the exhaust in the receiver; means for regulating the rate of such heat abstraction in accordance with the discharge of the exhaust steam, the steam in the receiver being converted into a mixture of steam and water by being subjected simultaneously to the action of the heat abstracting means and to the compressive effect of fresh quantities of further exhaust steam at a higher temperature and pressure than the steam already in the receiver; and means for delivering the mixture of steam and water directly to the water space of the steam generator.

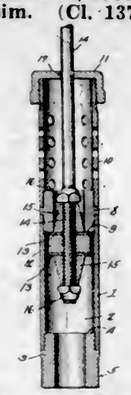
1,982,061
COLLAPSIBLE OR KNOCKDOWN HORSE
Harold J. Marlowe, Brooklyn, N. Y., assignor, by mesne assignments, to Marlowe Devices, Inc., New York, N. Y., a corporation of Delaware
Application November 20, 1931, Serial No. 576,243
9 Claims. (Cl. 304—5)

1. In a horse of the class described, spaced pairs of connected legs diverging at their upper and lower ends, a cross bar supported on the tops of the legs, a cross member connecting the intermediate portions of the legs at their pivotal points and affording pivotal connection therefor, each of said legs and said cross bar having equi-distantly spaced pairs of apertures therein adapted for registration when the horse is knocked down



and the legs and the upper cross bar are laid one upon the other.

1,982,062
FLOAT VALVE
James W. Matthews, Uvalde, Tex.
Application December 12, 1933, Serial No. 702,048
1 Claim. (Cl. 137—104)



In a float valve spaced couplings providing upper and lower valve seats, the lower coupling constituting means for connection with a supply pipe, a length of pipe connecting the couplings and providing a valve chamber, a stem extending from said chamber through the upper coupling, a float fixedly connected at its center to the upper end of the stem, and a valve within the chamber and connected to the lower portion of the stem, said valve including a central block, gaskets on opposed faces thereof for seating against the respective seats, oppositely extending, tapered centering devices bearing upon the central portions of the gaskets, and means adjustably engaging the stem for thrusting against the respective devices to bind the parts of the valve together.

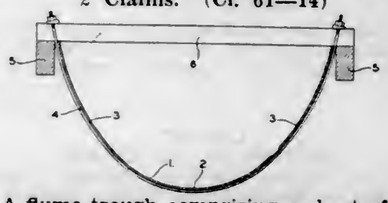
1,982,063
BRUSH AND BRUSH HOLDER FOR LURE CARRIERS
Spero Moche, St. Petersburg, Fla.
Application May 10, 1932, Serial No. 610,470
2 Claims. (Cl. 171—323)

1. A current carrying brush and brush holder therefor including an oscillatable member and a bearing therefor, a plurality of curved metal plates extending from the oscillatable member



at a tangent thereto, and a spring urging the metal plates outward, the extremity of the metal plates terminating all in the same plane.

1,982,064
SHEET METAL FLUME TROUGH
Albert Colwell Norton, Berkeley, Calif., assignor to California Corrugated Culvert Co., Alameda County, Calif., a corporation of California
Application June 26, 1933, Serial No. 677,650
2 Claims. (Cl. 61—14)



1. A flume trough comprising a sheet of metal initially bent upon an arc of compound curvature, the length of said arc being equal to one half the circumference of a circle whose diameter is the width across the top of said trough, the radius of the side portions of said trough being greater than the radius of said circle, and the radius of the bottom portion being less than the radius of said circle.

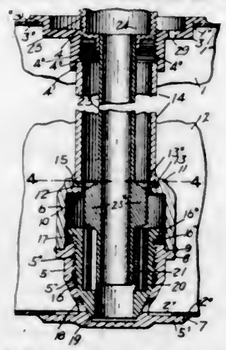
1,982,065
METHOD OF TREATING METAL DURING COLD ROLLING
Gilbert H. Orozco, East Cleveland, Ohio, assignor to The Chandler Chemical Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 30, 1933, Serial No. 704,795
10 Claims. (Cl. 153—10)

1. The method of treating the complementary contact surfaces of metal stock to be formed and forming rolls during the cold rolling of metal shapes comprising maintaining on said surfaces in liquid condition and during the forming operation an aqueous solution of mild alkali containing substantially no free caustic and the mild alkali being in excess of any other solid contained in the solution.

1,982,066
CLOSURE FOR LIQUID FUEL TANKS AND BARRELS
William John Oxley, Willowdale, Ontario, and Leo Michael Frank, New Toronto, Ontario, Canada
Application July 13, 1933, Serial No. 680,288
1 Claim. (Cl. 284—14)

The combination with a valve casing having an open upper end, an interiorly threaded intermediate portion and a laterally perforated lower end, an outer tube extending from the open upper end of the valve casing, an internally threaded member at the upper end of the outer tube and corresponding in pitch to the thread of the valve casing, a valve having a central opening extending axially therethrough, diametric recesses extending from the upper end of the central open-

ing, an externally threaded portion engaging the thread of the casing, an inner tube, an externally threaded member at the upper end of the inner tube for engaging the thread at the upper end



of the outer tube, and wing members extending diametrically from the opposite end of the inner tube to engage the diametric recesses of the valve.

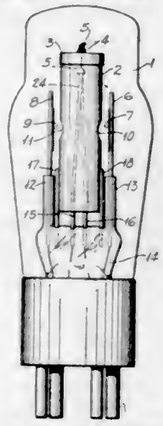
1,982,067

THERMIONIC RECTIFIER

Henry W. Parker, Toronto, Ontario, Canada, assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada

Application October 12, 1932, Serial No. 637,393

3 Claims. (Cl. 250—27.5)



1. A thermionic rectifier comprising, an envelope containing an attenuated gas, a capped metallic cylinder within said envelope, a filamentary cathode within said cylinder and resiliently supported from the cap of said cylinder, the wall of said cylinder having a plurality of apertures therein and an anode maintained adjacent each of said apertures.

1,982,068

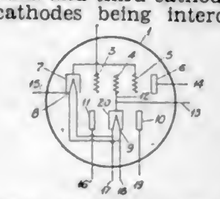
COMBINED RECTIFIER AND PENTODE

Henry W. Parker, Toronto, Ontario, Canada, assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada

Application December 1, 1933, Serial No. 700,377

4 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising, a substantially evacuated envelope, a cathode, a control grid, a plurality of screen grids and an anode within said envelope, a second cathode, a third cathode and anodes associated respectively with said second and third cathodes, said second and third cathodes being interconnected and



connected within said envelope to one of said screen grids and all of said cathodes being connected in parallel within said envelope.

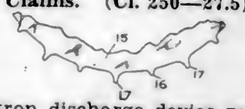
1,982,069

MOUNT FOR ELECTRON DISCHARGE DEVICES

Stanley M. Reed, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 29, 1933, Serial No. 700,179

5 Claims. (Cl. 250—27.5)



3. An electron discharge device provided with an envelope having an extended tubular portion, a mount comprising an electrode assembly positioned in said envelope and extending within said tubular portion, a mica disc spacer secured to said mount to extend transversely of said tubular portion and provided with flexible fingers, alternate fingers being slightly shorter than the others, said fingers engaging walls of the tubular portion of said envelope to firmly and resiliently support said mount in a predetermined position within the extended tubular portion of said envelope.

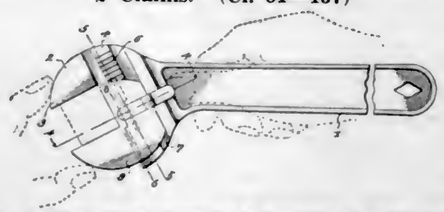
1,982,070

WRENCH

Napoleon R. Rivers, Ashtabula, Ohio

Application January 18, 1934, Serial No. 707,211

2 Claims. (Cl. 81—137)



1. A wrench comprising a handle, a stationary jaw at the front end of said handle consisting of a cross head extending transversely of the handle and a nut engaging lip projecting forwardly from one end portion of the cross head, the cross head having one face formed with a longitudinally extending recess and a rib intermediate the width of the recess, the rib being undercut and having rack teeth upon its outer face, an adjustable jaw having a nut engaging lip and a cross head projecting transversely therefrom and extending longitudinally in said recess and formed with a longitudinally extending undercut groove in its inner face slidably receiving said rib, the outer face of the cross head of the adjustable jaw being formed with a transversely extending groove intermediate its length and an opening in the groove exposing a portion of the toothed face of the rib, a latch in said groove pivoted intermediate its ends and having a thickened portion extending through the opening and formed with teeth for engaging the teeth of the rib and holding the adjustable jaw in a set position, a lip for said latch projecting rearwardly from the adjustable jaw longitudinally of the handle in spaced relation thereto, and a spring seated in a socket formed in the bottom of the groove forwardly of the opening and engaging the forward end portion of the latch to yieldably hold the latch in gripping engagement with the rib.

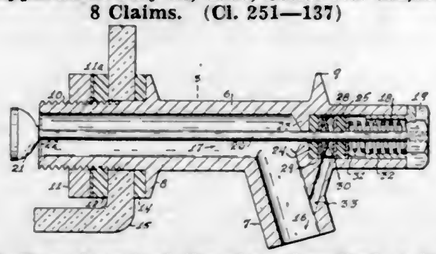
1,982,071

SANITARY FAUCET

Edward L. Roberts, Los Angeles, Calif.

Application July 24, 1933, Serial No. 681,926

8 Claims. (Cl. 251—137)



1. In a faucet of the class described, a body provided with a central bore open at each end thereof, a valve seat at the inner end of said bore, a valve disc seating on said seat, a push-button reciprocal in the outer end of said bore, a stem passing through said bore connecting said button with said valve disc, a stem guide dividing said bore, a spout to said body opening therefrom between said seat and said guide, a spring between said push-button and said guide urging said valve disc to its seat, and a pair of spaced stem wipers between said guide and said push-button providing an enclosed leakage space between them; said body provided with a vent leading from said space into said spout.

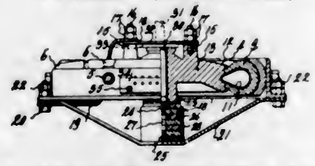
1,982,072

COUPLING FOR TRACTOR TRAILER COMBINATIONS

Harold H. Robinson and Hugh A. Robinson, Sr., Opa Locka, Fla., assignors to Curtiss Aerocar Company, Inc., Opa Locka, Fla., a corporation of Florida

Application January 5, 1933, Serial No. 650,346

7 Claims. (Cl. 280—33.1)



6. In a coupling for connecting two vehicles together for articulated tractor trailer operation, a coupling member adapted to be secured to one of said vehicles which comprises a unitary open frame, a wheel provided at its periphery with a pneumatic tire positioned within the frame, the hub portion of the wheel being formed with a vertical bore to receive a coupling pin carried by the other vehicle, means vertically insertable between the periphery of the tire and the frame to hold the tire in position in the frame in both an inflated and uninflated condition and means to releasably secure said vertically insertable means to the frame when in tire holding position.

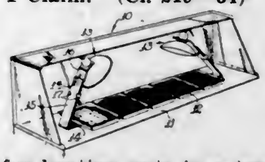
1,982,073

APPARATUS FOR TREATING NUT MEATS

Lester M. Sawin, Chicago, Ill.; Emilyn J. Sawin, administratrix of said Lester M. Sawin, deceased, assignor to The Susu Nut Company, Chicago, Ill., a corporation of Illinois

Application August 14, 1933, Serial No. 685,051

1 Claim. (Cl. 219—34)



A device for heating nuts in a tray comprising, in combination, a standard made of sheet metal comprising a base portion adapted to be inserted under the tray, an integral portion bent to extend upwardly and obliquely toward the tray, and an extensible member adjustably secured to said bent portion, a heating element mounted on the upper end of said extensible member, and a reflector for said heating element positioned to direct heat downwardly and obliquely onto the nuts.

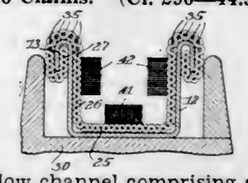
1,982,074

WINDOW CHANNEL

Carl F. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Application August 6, 1934, Serial No. 738,642

6 Claims. (Cl. 296—44.5)



1. A window channel comprising a textile portion formed of warp strands and weft strands interwoven with each other, said warp strands including a plurality of at least partially visible strands of metallic wire.

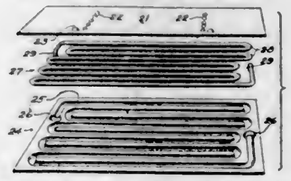
1,982,075

METHOD OF MAKING REFRIGERATING APPARATUS

Lawrence C. Smith, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

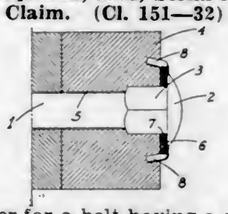
Application March 23, 1932, Serial No. 600,604

5 Claims. (Cl. 113—118)



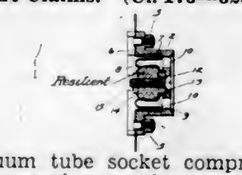
1. The method of making refrigerating devices which comprises forming a sheet of material with a serpentine depression, then placing a preformed section of tubing in the depression in said sheet, said section of tubing having a diameter greater than the depth of the depression, placing a sheet on said section, forcing the sheets together to flatten said section in substantial conformity to said depression, and finally securing said sheets together.

1,982,076
LOCK WASHER
Chester J. Spahn, Folsom, Calif., assignor of one-half to James H. Cavitt, Folsom, Calif.
Application April 10, 1934, Serial No. 719,865
1 Claim. (Cl. 151—32)



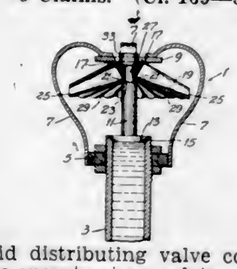
A lock washer for a bolt having a non-circular portion immediately under its head comprising a body larger than the bolt head and having an opening to non-turnably engage said non-circular portion of the bolt, and prongs depending from the body adjacent its periphery, said prongs being disposed at an outward angle toward their lower ends relative to the axis of the washer.

1,982,077
SOCKET
John A. Spencer, Newton, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application December 24, 1928, Serial No. 328,124
Renewed December 3, 1931
10 Claims. (Cl. 173—328)



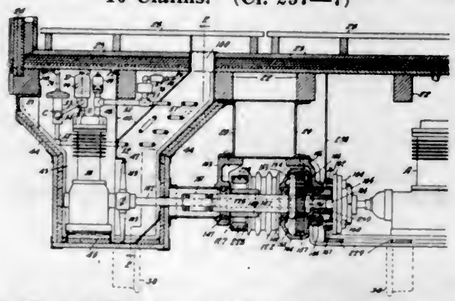
1. A vacuum tube socket comprising an insulating base, spring members mounted on said base and adapted to contact with prongs of a vacuum tube base, common means for maintaining said spring members in predetermined position and for extending a lateral pressure on the pins of a vacuum tube base upon the insertion thereof into said socket and means for adjusting said common means from the top of said socket for changing said pressure.

1,982,078
THERMOSTATIC CONTROL
John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application June 15, 1931, Serial No. 544,454
8 Claims. (Cl. 169—37)



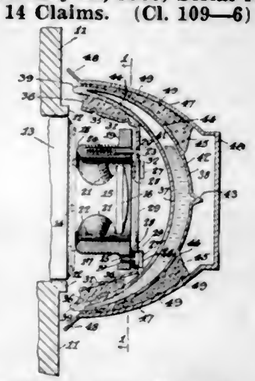
1. A fluid distributing valve constructed and arranged to operate at a predetermined temperature to deliver fluid, said valve including a thermostatic element having a hole therethrough, and a stem on said valve passing through said hole, the dimensional characteristics of said hole changing with the temperature-determined alternative positions of said thermostatic element, alternately to restrain and permit free movement of said valve stem.

1,982,079
TEMPERATURE CONTROLLED VEHICLE
Carl W. Spohr, Chicago, Ill., assignor to Mechanical Refrigerated Car Company, Chicago, Ill., a corporation of Illinois
Application July 5, 1932, Serial No. 620,774
10 Claims. (Cl. 257—7)



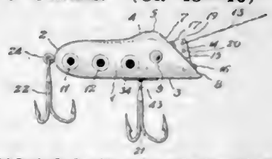
1. In a railway car having a revenue-producing compartment, the combination with means for refrigerating said compartment, including a refrigerant compressor; of means for heating said compartment, including an air compressor; devices, common to both of said compressors for driving the same from a car axle, said devices including means for automatically distributing the power to the respective compressors in accordance with different load conditions.

1,982,080
ATTACHMENT FOR SAFE KNOBS
Harry W. Srygley, Abilene, Tex.
Application May 31, 1933, Serial No. 673,664
14 Claims. (Cl. 109—6)



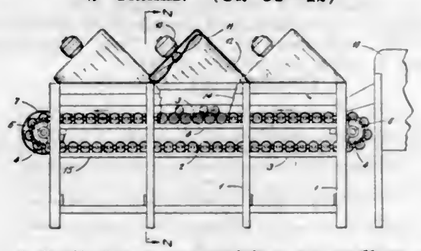
1. A protective covering for safe combination dial pieces, attached thereto and rotatable therewith, the attaching means being within the cover, and having a frangible container of noxious gas disposed within the cover and attached thereto and conforming to the inner surface thereof.

1,982,081
ARTIFICIAL BAIT
Hubert J. Stage, Chardon, Ohio
Application April 5, 1933, Serial No. 664,469
3 Claims. (Cl. 43—46)



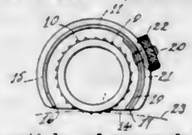
1. An artificial bait of substantially streamline contour having a body portion with an enlarged forward end presenting a pair of spaced shoulders with an intermediate channel centrally of the top forward portion of said body and a single downwardly and forwardly extending plane surface, a line attaching plate secured centrally only of said surface, and a hook supported at the lower portion of said artificial bait.

1,982,082
DRYING APPARATUS
Fred Stebler, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application October 7, 1931, Serial No. 567,398
2 Claims. (Cl. 34—12)



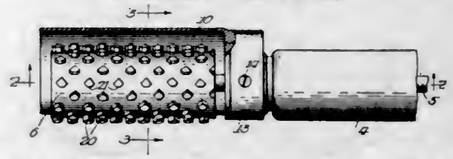
1. A fruit dryer, comprising an endless conveyor composed of a series of rollers arranged in parallel, side by side relation, and interconnected by a pair of endless chains secured to their end faces, each of said rollers being provided inwardly of each end with a circumferential groove and having a covering of absorbent material intermediate said grooves, a housing above the conveyor having side walls extending lengthwise of the conveyor and projecting downwardly into the grooves in the rollers of the upper reach of the conveyor, a trackway extending lengthwise of the conveyor at each side thereof beneath the end portions of the rollers outwardly of said grooves for supporting and rotating the rollers, and means for discharging a blast of drying air into the housing.

1,982,083
FISH SCALING DEVICE
Oscar V. Strand, Evanston, Ill.
Application August 3, 1931, Serial No. 554,721
1 Claim. (Cl. 17—5)



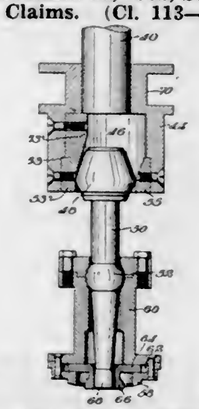
As a new article of manufacture, a portable fish scaling device comprising a hollow handle having a packing nut at one end thereof, a shaft extending through the handle and having one end thereof projecting beyond said nut and its other end adapted for connection to a source of power for driving purposes, a rotor secured removably to said one end of the shaft for rotation with the shaft and comprising a cylindrical body having a plurality of fish scaling teeth extending outwardly therefrom, a tubular casing surrounding said rotor throughout its entire length and having a collar at its inner end whereby it is secured to the nut and having its other end open to permit axial removal of the rotor, said casing having a longitudinally extending straight sided opening in one side thereof through which the body of the rotor projects and also having a rectangular discharge slot at one side of the opening and a circumferential slot at the other side of said opening, an arcuate member engaging the inner periphery of the casing at said other side of the opening and having a substantially straight side margin parallel to and extending substantially through the length of said opening, said member being rotatable relatively to the casing so as to permit of an adjustment in the size of the opening through which the rotor projects and thus to effect variation of the depth of the cut of the rotor, and means for adjustably securing the member in its various assigned or adjusted positions comprising a screw fixedly secured to the member and projecting outwardly through said circumferential slot in the casing and a thumb nut on the outer end of the screw for clamping the member against the inner periphery of the casing.

1,982,084
FISH SCALING DEVICE
Oscar V. Strand, Evanston, Ill.
Application February 3, 1932, Serial No. 590,585
6 Claims. (Cl. 17—5)



1. As a new article of manufacture, a rotor for a power driven fish scaling device, comprising a cylindrical body having means whereby it may be connected to a source of power for drive about its axis and embodying on its periphery a plurality of radially extending, rigid projections, said projections being provided at the leading portions thereof with substantially flat faces for scraping the scales off of the fish during drive of the rotor and embodying rearwardly and outwardly extending faces at the sides of the aforesaid faces for assisting the latter in scraping off the scales and wedging the scales sidewise.

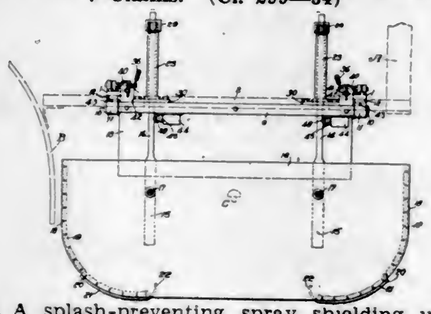
1,982,085
CAPPING APPARATUS
Leon D. Titus, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 22, 1932, Serial No. 648,342
7 Claims. (Cl. 113—25)



1. In a capping tool, a seaming mechanism comprising an outer ring, an inner seaming tool movable radially and circumferentially of said ring, a guide for supporting said inner tool for movements substantially in a single plane, a rock-

ing lever on one end of which the seaming tool is mounted, a rotatable and longitudinally movable head formed with an eccentric recess therein, adapted to engage the other end of said lever for moving said seaming tool radially to a position contiguous to said ring on longitudinal movement of said head and circumferentially with respect to said ring, while maintained in said contiguous position, on rotation of said head and means for rotating and moving said head to actuate said lever and the seaming tool thereon.

1,982,086
NONSPLASH SPRAYING GUARD
Robert A. Trueman, Everett, Mass.
Application November 2, 1933, Serial No. 696,368
7 Claims. (Cl. 299—34)



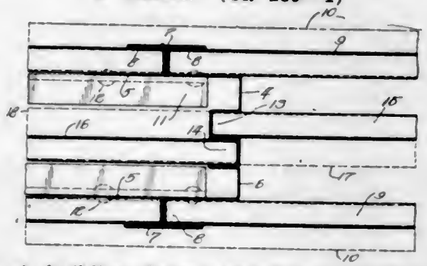
1. A splash-preventing spray shielding unit comprising a shield, carrying bars for the shield to engage the vehicle, a shield positioning bar, and means whereby the shield is movably carried by the carrying bars; said means including spring barrels on the positioning bar with springs therein, shield supporting hanger rods so associated with the springs as to cause the shield to ride yieldingly on the street surface and support the shield when inverted by rotation of the positioning bar.

1,982,087
GOLF CLUB
Julius B. Wantz, River Forest, Ill.
Application September 16, 1932, Serial No. 633,479
2 Claims. (Cl. 273—79)



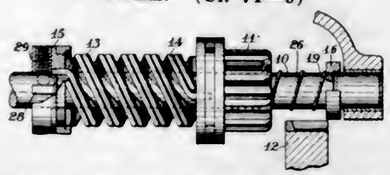
2. A putter having a shaft comprising two sections, one of which is a straight section to be topped by a handle and the other an angular extension to receive a head, a handle disposed upon said straight section and adjustable circumferentially thereof, a head on said extension, said handle having an indexing means extending longitudinally of said handle and parallel to the axis of said straight section, the normal position of said handle being with the indexing means in alinement with the left toe, and means for locating said indexing means in positions displaced from such normal position for properly positioning the hands of the user to permit of the ball being correctly addressed in positions other than off the left toe, said head being movable about said extension to tilt the face thereof relative to the axis of said handle whereby to compensate for adjustments of said handle about said shaft.

1,982,088
BUILDING CONSTRUCTION
Halbert E. White, Tampa, Fla.
Substitute for abandoned application Serial No. 144,787, October 28, 1926. This application June 5, 1931, Serial No. 542,412
5 Claims. (Cl. 189—1)



1. A building frame structure comprising a plurality of columns formed of strips of sheet metal bent to form longitudinal channels for receiving wall members the outer walls of said channels being formed of two thicknesses of the strips folded close together and horizontally arranged beams connecting said columns and secured thereto.

1,982,089
ENGINE STARTER
Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application January 23, 1931, Serial No. 510,634
7 Claims. (Cl. 74—9)

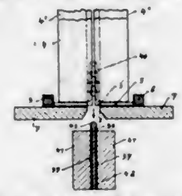


1. In an automatic starter shift, a shaft and an abutment thereon comprising a collar loosely fitting said shaft and having an internal recess therein, said shaft having a groove adapted to register therewith, and a spring ring adapted to seat in said recess and enter said groove to lock the collar on the shaft, said ring being under compression in said recess and said recess having an inwardly tapered portion on one side whereby the ring yieldingly opposes longitudinal movement of the collar in one direction.

1,982,090
METHOD AND APPARATUS FOR DELIVERING CLOSURES FROM A MAGAZINE
Martin Winterhalter, Barmen-Wichlinghausen, Germany
Application October 26, 1929, Serial No. 402,778
In Germany October 31, 1928
25 Claims. (Cl. 153—1)

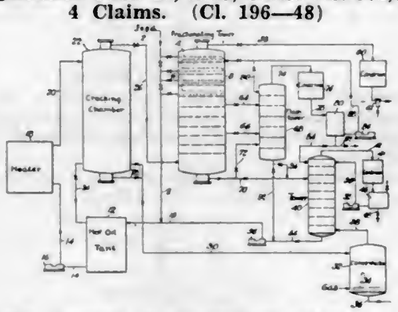
1. Apparatus for conducting locking members of break locks to the strip-shaped carrying

member comprising a collecting container, two pairs of rails positioned one above the other near the lower open end of said container, comb-



shaped locking pins carried by the upper pair of rails and means for periodically opening and closing said locking pins so as to control the egress of locking members from said container.

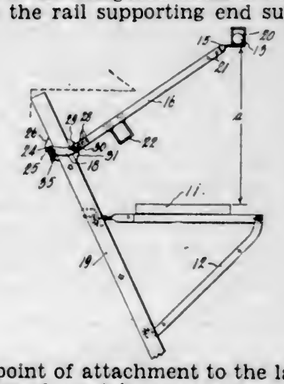
1,982,091
CONVERSION OF PETROLEUM OILS
Arnold R. Workman, Malverne, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application June 17, 1929, Serial No. 371,416
4 Claims. (Cl. 196—48)



1. The process of converting petroleum oils, which comprises passing oil under a relatively high superatmospheric pressure through a heating zone in which the oil is heated to a conversion temperature, discharging the resulting highly heated products into an enlarged chamber, passing vapors from said chamber into a rectifying tower maintained under a relatively high superatmospheric pressure in which the vapors are passed through a series of zones maintained at gradually decreasing temperature and in each of which a body of condensate is maintained, withdrawing substantially only pressure distillate vapors from said tower for final condensation and collection, withdrawing a relatively low boiling reflux condensate from a zone in the mid-portion of said tower into the mid-portion of a rectifying zone of relatively lower pressure than that maintained in said tower, and withdrawing reflux condensate from the lower portion of said tower into the lower part of said rectifying zone, distilling substantial portions of the condensates introduced into said rectifying zone by suddenly reducing the pressure thereon, removing and condensing pressure distillate vapors from said rectifying zone and passing unvaporized condensate collecting in said rectifying zone into said heating zone.

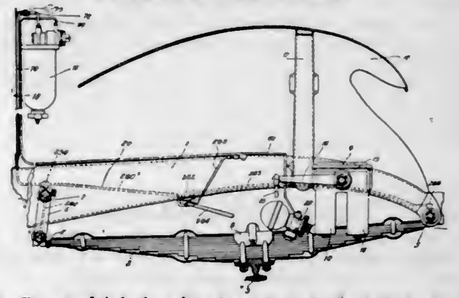
1,982,092
SUPPORT FOR GUARD RAILS
Judson O. Young, Springfield, Mass.
Application August 3, 1934, Serial No. 738,319
4 Claims. (Cl. 304—36)

1. A device of the character described which comprises an elongated member provided at one end with means for receiving a guard rail, means at the opposite end for releasably clamping the device to the side member of a ladder, the last named end of the elongated member being curved to position the rail supporting end substantially



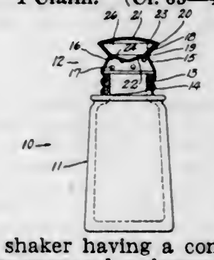
above the point of attachment to the ladder, and a second guard receiving means secured to the device adjacent the clamping means.

1,982,093
CENTRALIZED LUBRICATING SYSTEM
Oscar U. Zerk, Chicago, Ill., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 21, 1929, Serial No. 394,363
40 Claims. (Cl. 184—7)



1. In a vehicle having bearings to be lubricated, the combination of a distribution conduit, a centralized supply of lubricant, a positive displacement pump between the supply and the conduit, said vehicle having a hydraulic shock absorber, air compressing means hydraulically actuated by said shock absorber, and a fluid pressure operated means for making a stroke of the pump, said means being operated by compressed air supplied by said air compressing means.

1,982,094
SALT SHAKER
Harry C. Gessler, Brooklyn, N. Y.
Application June 3, 1933, Serial No. 674,131
1 Claim. (Cl. 65—45)



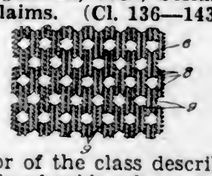
In a salt shaker having a container provided with an upper open end, a closure therefor including a tubular element of generally conoidal form

and having means at its larger end for connection with the container, said element having its conoidal wall provided with outlet openings, and an inverted conoidal shield having its side wall connected at its smaller end to the upper end of said element in alined relation therewith, said shield having a closed wall at its upper larger end, said closed wall being permanently connected to the side wall of the shield along an edge of the upper end thereof, said edge being of substantially equal diameter with that of the larger end of the tubular element, the side wall of the shield being substantially straight and the shield overlying the outlet openings and constituting a smooth guide for the full and unobstructed discharge therefrom of salt received thereby from the outlet openings in an inverted position of the salt shaker.

1,982,095

SEPARATOR FOR STORAGE BATTERIES

George N. Goodrich, St. Paul, Minn.
Application August 12, 1931, Serial No. 556,509
5 Claims. (Cl. 136—143)

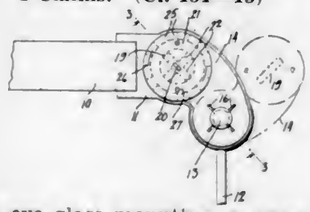


1. A separator of the class described comprising a sheet of hard rubber formed with at least two groups of perforations, the perforations of one group being of a shape and size different from those of the other group and certain of the perforations of one group being interconnected with perforations of the other group to form pointed projections and irregular edges on the sheet adjacent the perforations.

1,982,096

EYEGLASS MOUNTING

Abraham Grabelsky, New York, N. Y.
Application May 12, 1934, Serial No. 725,235
4 Claims. (Cl. 151—13)



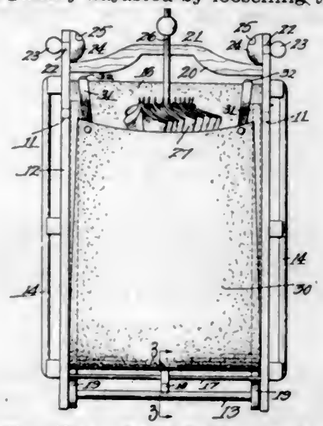
1. In an eye glass mounting, a screw, a lock therefor comprising a lever pivotally mounted at one end thereof on the mounting, a serrated area at the opposite end of the said lever, a stud pivotally mounted at the said last mentioned lever end, a tongue on the said stud for engagement with the screw, and a toothed disc carried by the said stud for engagement with the lever serrations as and for the purpose specified.

1,982,097

UMBRELLA SUPPORT

Carl C. Harris, Orange, Mass.
Application January 20, 1932, Serial No. 587,734
4 Claims. (Cl. 135—13)

4. An article of manufacture, comprising a support perforated at the top, a screw passing through the perforation, and a hemispherical nut fitting against the support and receiving the screw, said nut having a recess therein located at an acute angle to the axis of said screw for the end of a handle of a shade, whereby the shade can be angularly adjusted by loosening the screw

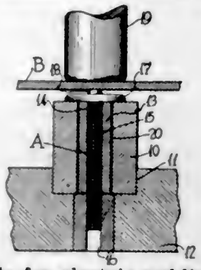


and adjusting the nut and held in fixed position by tightening the screw.

1,982,098

WELDING ELECTRODE

Alexander M. Hartmann, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 1, 1931, Serial No. 548,075
2 Claims. (Cl. 219—4)



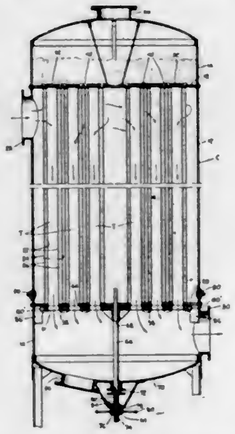
1. An electrode for electric welding comprising an annulus of metal or metal alloy of high electric conductivity, and an annular reinforcing member of metal or metal alloy having a high compression factor disposed within the annular first named annulus, and a layer of insulating material separating said annuli.

1,982,099

APPARATUS FOR THE TREATMENT OF GASEOUS PRODUCTS

Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware
Application September 23, 1931, Serial No. 564,518
2 Claims. (Cl. 183—46)

1. An apparatus of the class described, comprising an upright cylindrical shell or casing having top and bottom heads and top and bottom header plates respectively spaced therefrom and defining upper and lower hoppers and an intermediate section, a plurality of upright units supported in the intermediate section between the header plates, each of said units comprising a pair of perforated concentric tubes, means in the top header plate preventing communication without or within the concentric tubes but permitting communication with the space therebetween whereby a supply of gas treating medium in the upper hopper flows downwardly in the units between the inside and outside tubes thereof, an adjustable retaining plate located beneath the bottom header plate for retaining the medium in the annular space between the tubes, the bottom header plate and the retaining plate permitting communication from the inside of the units to the lower

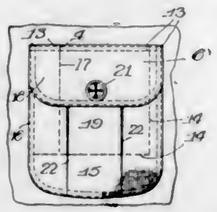


hopper, a gas nozzle in the intermediate section of the casing, a gas nozzle in the lower hopper, a feed inlet for the medium in the upper hopper, a discharge outlet for the medium in the lower hopper, and means for adjusting the retaining plate in order to control the discharge of the medium from the units into the lower hopper.

1,982,100

POCKET FOR GARMENTS

Harriet Heile, Chicago, Ill., assignor to Worthy Manufacturing Company, a corporation of Kentucky
Application November 18, 1933, Serial No. 698,606
1 Claim. (Cl. 2—253)

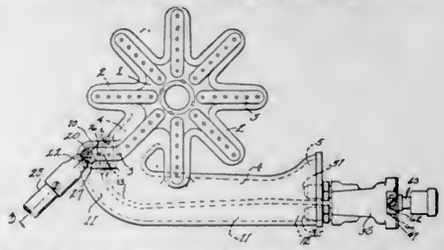


A garment pocket comprising a flap or cover, a curtain piece stitched to said flap or cover and extending short of one end thereof, said flap or cover and curtain piece being tacked to the body of the garment at spaced intervals along their united edge, said curtain piece being sewed to the body of the garment along its bottom and vertical edges and having an additional row of vertical stitches between the curtain piece and the body of the garment at one of the intermediate tacked portions, and a conventional pocket piece with which said flap or cover co-operates superimposed above said curtain and sewed to the body of said garment whereby access to the compartments formed by said curtain is had above said flap and access to the normal pocket is had below said flap and from above said flap beyond the end thereof which extends beyond said curtain.

1,982,101

GAS IGNITING AND BURNING DEVICE

George Herbster, Cleveland, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1933, Serial No. 654,162
10 Claims. (Cl. 158—115)

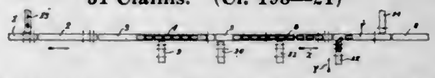


1. In a gas burning device, a pilot burner, a service burner, an ignition burner in firing relation to the pilot burner and having a discharge vent in igniting relation to the service burner, individual mixing tubes leading one to the ignition burner and one to the service burner, separate means for discharging gas into the respective mixing tubes, and means for passing excess air and gas from the ignition burner into the service burner.

1,982,102

CONVEYER SYSTEM

Lloyd D. Hess and Charles Robert Libby, Syracuse, N. Y., assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application September 28, 1929, Serial No. 395,931
31 Claims. (Cl. 198—21)



2. Conveyer apparatus having a way along which load units may move, means for moving said units along the way, movable control means associated with the way for controlling the operation of said moving means and front and rear actuator members carried by each load unit and relatively adjustable to a predetermined distance apart longitudinally of the way which members have operative engagement with said control means as the load unit moves along the way.

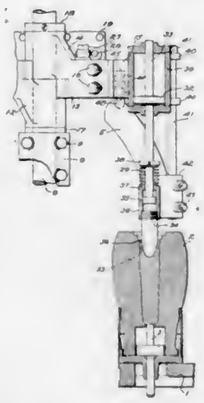
1,982,103

METHOD OF AND APPARATUS FOR MAKING PRESSED AND BLOWN HOLLOW GLASSWARE

Everett O. Hiller, Windsor, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 21, 1932, Serial No. 618,443
7 Claims. (Cl. 49—35)

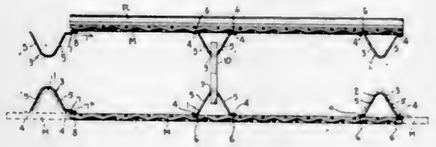
7. Apparatus for making pressed and blown hollow glassware, comprising a mold carrier adapted to be rotated intermittently about a vertical axis, a press mold thereon adapted to be supplied with a mold charge of plastic glass at a charging dwell station, a support mounted for oscillatory movement about a vertical axis spaced from the axis of said mold carrier and adjacent to said charging station, means for oscillating said support about its axis between two terminal positions, a charge-guiding device adjustably mounted on said support for directing a charge of glass into said mold when said support is at one of its terminal positions, means for adjusting the position of said charge-guiding device with respect to said support to align it

with said mold and to vary the vertical distance between it and said mold, a preliminary pressing device also mounted on said support and adapted to be positioned in alignment with said mold at the other terminal position of said support, said preliminary pressing device including a vertically disposed fluid pressure cylinder and a pressing plunger adapted to be moved vertically thereby, means for adjustably determining the pressure exerted on the glass by said pressing plunger, said plunger being so shaped and positioned with respect to said mold that it



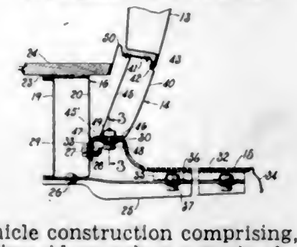
contacts with the center portion only of the charge of glass therein to force the glass in said mold into contact with the walls thereof substantially up to the line between the body and finish portions of the parison to be made, and a final pressing means including a pneumatic cylinder and glass contacting pressing means located for cooperation with said mold at a subsequent dwell station to that at which the glass charge was supplied thereto for completing the formation of a parison having a finish portion thereon, which parison may thereafter be blown to the desired shape of the article to be made.

1,982,104
WALL CONSTRUCTION
Harry Holdsworth, New Rochelle, N. Y., assignor to Fairfax Partition & Construction Company, Inc., New York, N. Y., a corporation of New York
Application September 2, 1933, Serial No. 687,952
14 Claims. (Cl. 72—46)



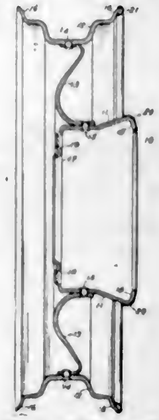
1. A building element comprising a hollow rib having an open side, and a metal member connected to both edges of said open side, and extending beyond said rib, said ribs having openings in the body thereof through which plaster can enter said rib to be bonded thereto.

1,982,105
VEHICLE CONSTRUCTION
James R. Hughes, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of New Jersey
Application May 26, 1933, Serial No. 672,977
9 Claims. (Cl. 296—28)



1. A vehicle construction comprising, a chassis frame having side members, running boards having vertical flanges secured to said side members, and body sills supported outwardly of said flange by said running boards in spaced relation to said side members.

1,982,106
VEHICLE WHEEL
J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application April 23, 1932, Serial No. 607,090
9 Claims. (Cl. 41—10)

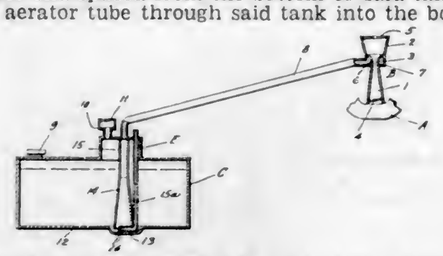


1. The combination with a vehicle wheel having a continuous annular edge portion of an ornamental trim therefor comprising a metal ring having continuous edges adapted to be removably secured to the said annular edge portion by effecting a change in the diameter of the ring whereby to cover the portion, the maximum diameter of the said annular edge portion being greater than the diameter of the edges of the ring and substantially the same as the diameter of an intermediate portion of the ring.

1,982,107
ATMOSPHERICALLY CONTROLLED FUELING SYSTEM
Clarence I. Justheim, Salt Lake City, Utah
Application May 23, 1931, Serial No. 539,536
1 Claim. (Cl. 261—72)

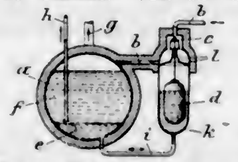
In an atmospherically controlled fueling system the combination of a mixing chamber secured to the intake manifold of an engine; a lead line from said mixing chamber leading to the fuel supply tank; a conical tube through the top of said tank

in open connection with said line and having the lower end spaced from the bottom of said tank; an aerator tube through said tank into the bot-



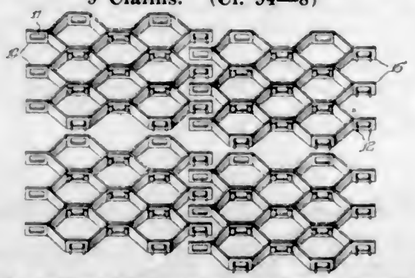
tom of said tube; means to control the atmospheric pressure in said tank; a port in said conical tube; and means to control the atmospheric pressure and air allowed to pass through said port.

1,982,108
LIQUID LEVEL REGULATING APPARATUS
Emil Kägi, Winterthur, Switzerland, assignor to firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland
Application January 23, 1933, Serial No. 653,129
In Switzerland February 9, 1932
10 Claims. (Cl. 62—8)



1. In a refrigerating system including an evaporator containing a lubricant, and a refrigerant of lesser specific gravity, a container separate from the evaporator and communicating therewith in such a way that the lubricant will rise in the container from the evaporator to a level indicative of the amount of refrigerant in the evaporator, a float in said container for actuation by the lubricant moving therein and thereout, and means controlled by the float for regulating the supply of refrigerant to the evaporator.

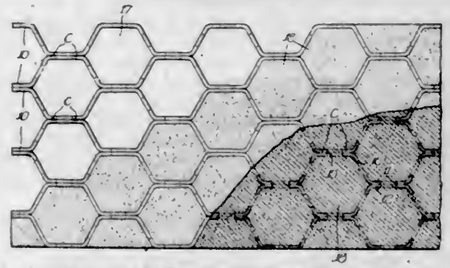
1,982,109
GRATING CONSTRUCTION
John M. Keown, Chicago, Ill., assignor of one-fifth to Arthur E. Sangdahl, Western Springs, Ill., one-fifth to W. Forrest Ogle, Chicago, Ill., one-fifth to Edwin J. Learned, Lake Forest, Ill., and one-fifth to Bentley F. Ramsdell, Geneva, Ill.
Application September 3, 1931, Serial No. 560,894
9 Claims. (Cl. 94—8)



1. A grating structure comprising a plurality of sinuously formed bars affording bights at opposite sides, respective bights on one side of each bar being provided each with an aperture therethrough, bights on the other side of each bar be-

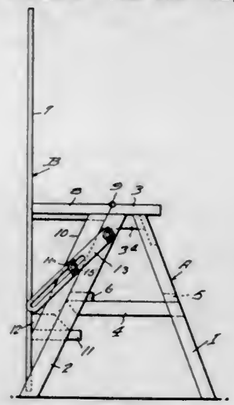
ing provided respectively with a pair of outwardly projecting connecting members, the bars being disposed side by side with the bights of one abutting the bights of another and with the connecting members of one extending through the apertures of the other, the connecting members on respective bights being bent over away from each other against the adjacent bar to secure the juxtaposed bars rigidly together.

1,982,110
ARMORED FLOOR STRUCTURE
John M. Keown, Chicago, Ill., assignor of part interests to Arthur E. Sangdahl, W. Forrest Ogle, Edwin J. Learned, and Bentley F. Ramsdell
Application June 23, 1932, Serial No. 618,923
12 Claims. (Cl. 94—8)



1. An armored floor structure comprising, in combination, a plurality of sinuously formed metallic bars arranged on edge in collateral relationship and having longitudinally spaced contact portions of juxtaposed bars in lateral abutment, said laterally abutting contact portions having apertures therethrough spaced from their upper and lower margins, and said abutting contact portions being rigidly fastened together on opposite sides of their apertures, the plurality of bars thus secured to one another forming a grating, and a filling of coherent body material filling the interstices of said grating and having portions which occupy adjacent interstices bonded together through said apertures.

1,982,111
COMBINATION CHAIR, IRONING BOARD, AND STEPLADDER
Dewey H. King, Mayfield, Ky.
Application November 22, 1932, Serial No. 643,870
2 Claims. (Cl. 155—41)



1. A combination chair, ironing board, and step-ladder comprising a lower section having up-

wardly inclined front and rear legs and having at the top thereof and secured thereto a front chair seat member, an upper section having a rear chair seat member pivotally connected to the front chair seat member and having legs extending from the rear chair seat member and adapted to form in one position a continuation of the legs of the first section with the rear chair seat member, and in another position to rest edge-to-edge thereagainst, the point of pivotal connection between the two seat members being in alignment with the contacting edges of said legs in such other position, an ironing board secured intermediate of its length to the end of the rear chair seat member which is remote from the pivoted end thereof, a step projecting from the said ironing board at the ends of the legs of the second section which are remote from the rear chair seat member, and a pair of links pivotally connected to opposite side legs of one of said sections in spaced relation to said contacting edges, a slidable connection between each of said links and a point on the corresponding legs of the other section spaced from said contacting edges, and including means for securing the said links to the legs to which they are slidably connected, thereby to hold the two sections firmly in all operative positions by the location of the three pivot points at the apexes of a triangle in each position.

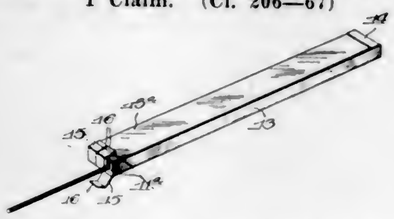
1,982,112

PACKAGE FOR PENCIL LEADS

Herbert H. Lang, Wilmette, Ill., assignor to Rite-Rite Mfg. Co., Chicago, Ill., a corporation of Illinois

Application February 23, 1932, Serial No. 594,435

1 Claim. (Cl. 206—67)



A package for leads comprising an elongated comparatively thin wood block grooved on one side to provide channels opening through the ends of the block, an envelope for said block made of thin, flexible material wrapped about the block to close said open channels at their sides and ends, said envelope including a part folded about an end of the block and down upon one face adjacent said end, said part being split to provide a flap for each channel and the ends of said split parts being adhered to said face except at their ends where they are free to be severally grasped.

1,982,113

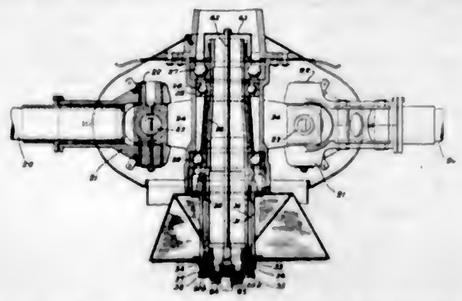
MOUNTING MEANS FOR AIRCRAFT SUSTAINING ROTORS

Agnew E. Larsen, Huntingdon Valley, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware

Application April 13, 1931, Serial No. 529,576

30 Claims. (Cl. 244—19)

1. In an aircraft having rotatable sustaining means mounted above the body thereof, a mounting structure for the sustaining means including a plurality of leg members extended upwardly from the body, an axis mechanism, and a device for interconnecting the leg members and the axis mechanism including triangulated bracing elements at least some of which extend in planes



which intersect substantially in a plane containing the axis of said mechanism.

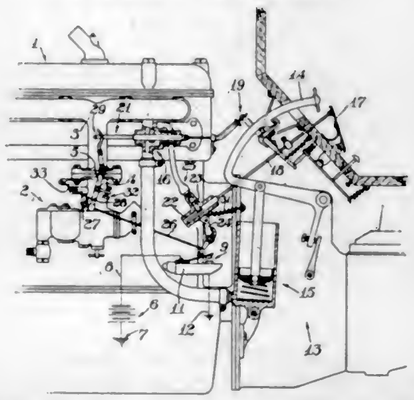
1,982,114

CONTROLLING MECHANISM FOR INTERNAL COMBUSTION ENGINES

William L. McGrath, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Original application December 4, 1931, Serial No. 579,068. Divided and this application August 22, 1932, Serial No. 629,984

3 Claims. (Cl. 123—179)



1. In combination with an internal combustion engine having a fuel intake system including a throttle, a starting system for said engine, a manually operable member, means for controlling said throttle from said manually operable member, means whereby actuation of the manually operable member when the engine is stopped energizes the starting system, and means operated by said latter means, independent of said means for controlling the throttle, for automatically placing the throttle in starting position when the starting mechanism is actuated.

1,982,115

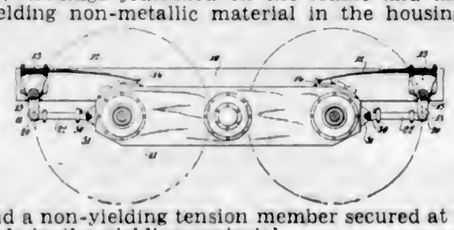
SPRING SUSPENSION FOR SIX WHEEL VEHICLES

Alfred F. Masury, New York, N. Y., assignor to International Motor Company, New York, N. Y., a corporation of Delaware

Application October 14, 1931, Serial No. 568,725

4 Claims. (Cl. 280—124)

1. In combination with a vehicle frame and a wheel unit mounted intermediate its ends thereon, housings journaled on the frame and unit, yielding non-metallic material in the housings,



and a non-yielding tension member secured at its ends in the yielding material.

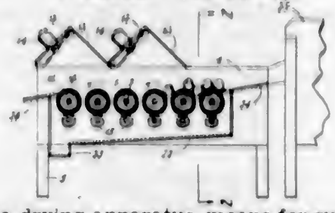
1,982,116

FRUIT DRIER

Philip A. Minnis, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application October 7, 1931, Serial No. 567,402

4 Claims. (Cl. 34—1)



1. In a drying apparatus, means for supporting and conveying articles therethrough including rotatable supporting members mounted for rotation about fixed axes and having absorbent surfaces, a wringer roller beneath each supporting member adapted to express moisture therefrom, and means above said supporting members for directing a blast of air downwardly thereagainst.

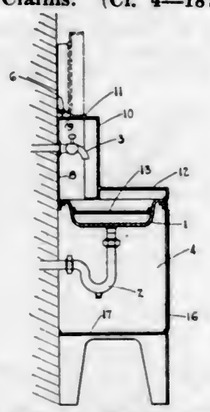
1,982,117

SINK CABINET

Archibald M. Murie, Detroit, Mich.

Application November 27, 1933, Serial No. 699,842

3 Claims. (Cl. 4—187)



1. In a sink cabinet, the combination with a sink and a faucet discharging into said sink, of a casing receiving said sink in its upper portion, a hood rising from the rear portion of said casing comprising end walls and a top plate surmounting said walls, a cover member for said hood, adapted to seat rearwardly against said end walls in its covering position, means hinging said cover member to said plate, and a cover member for the sink hinged to said hood cover member, and projecting in its covering position forwardly from the hood cover member and downwardly seating on said casing, said cover members being movable as a unit to an uncovering position, surmounting said plate.

1,982,118

COMBINATION MANHOLE COVER AND SAFETY VALVE

Robert Nerem, Evanston, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application August 25, 1931, Serial No. 559,182

5 Claims. (Cl. 220—44)



1. A combination manhole and safety valve, characterized by a manhole-ring, a flat, continuous cover for said manhole-ring, said cover forming a substantially gas tight joint with said manhole-ring and extending beyond said ring, a deflector attached to the exterior of said manhole-ring, and a hinge attached to said cover and slidably mounted in a slot contained in said deflector.

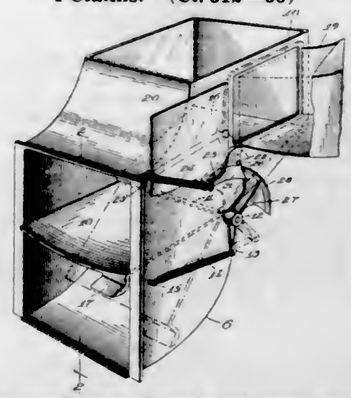
1,982,119

AMUSEMENT MACHINE

Victor Neumann, Los Angeles, Calif., assignor to John F. Meyer, Pasadena, Calif.

Application January 25, 1932, Serial No. 588,553

4 Claims. (Cl. 312—35)



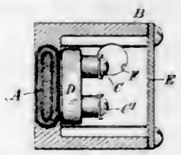
3. In a vending machine, a delivery chute having a dispensing end extending exteriorly of the machine and a receiving end located within the machine, a conduit leading to the receiving end of said chute, a collecting door pivotally mounted in the chute at the dispensing end thereof and normally positioned to close said chute, a blocking door for blocking communication between said conduit and said chute and normally disposed out of blocking position, an operated member connected to the blocking door, and an operating member connected to the collecting door and adapted to have movement imparted thereto when force is applied on the collecting door to pivot it from chute closing position, said operated member and said operating member including cooperating parts adapted to move the blocking door into blocking position in the initial movement of the collecting door from chute closing position and adapted to afford movement of the

operating member relative to the operated member during the remainder of the movement of the collecting door from chute closing position whereby the blocking door is held in blocking position when the collecting door is out of chute closing position.

1,982,120
DESULPHURIZING RECOVERED PETROLEUM PHENOLS
Johan C. D. Oosterhout, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 11, 1933, Serial No. 670,510
7 Claims. (Cl. 260—154)

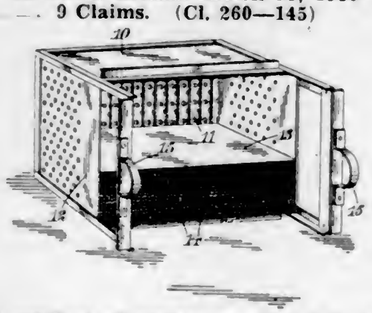
1. A method of removing undesirable thiophenol compounds from phenols recovered from petroleum hydrocarbons which comprises vaporizing the phenols and passing them through a bed of weathered lead sludge maintained at a temperature above the boiling point of the phenols and below the temperature at which any substantial cracking occurs.

1,982,121
ELECTRIC RESISTANCE UNIT
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application June 1, 1932, Serial No. 614,827
2 Claims. (Cl. 201—67)



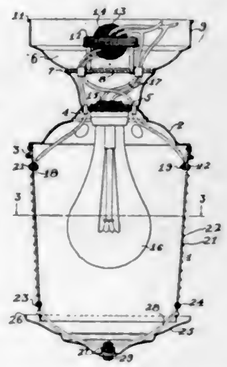
1. An electric resistance comprising a flat thin resistance element, a sheet metal cover enclosing said element, contact terminals extending through one face of said cover and in adjacent positions, a cast enclosure for said contact terminals provided with a base portion provided with portions complemental to and embracing the edge portions of said casing in the vicinity of said contact terminals in such manner as to leave the intervening areas of said cover exposed, said enclosure having a side opening for the passage of lead wires to said terminal contacts, and a detachable cover for said enclosure.

1,982,122
METHOD OF NITRATING CELLULOSE
Samuel Alexander Pollock, London, England
Application April 12, 1932, Serial No. 604,854
In Great Britain March 18, 1930
9 Claims. (Cl. 260—145)



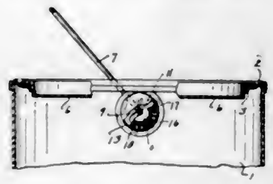
1. A method of preparing separate relatively thin sheets of nitrated cellulose which comprises placing in a nitrating bath relatively thin sheets of cellulose fibre paper interleaved with acid-proof spacing sheets provided with projections and recesses giving the nitrating fluid access to both sides of the sheets of cellulose.

1,982,123
INSECT EXTERMINATOR
Arthur E. Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application May 4, 1932, Serial No. 609,183
2 Claims. (Cl. 43—113)



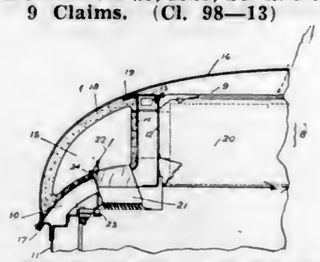
1. In an exterminator, the combination of a globe open at its lower end, means for illuminating said globe, insect electrocuting means on the outer wall of said globe, a bail pivoted in the lower end of said globe and depending therefrom, a pan for the open end of the globe, and interengaging means on said pan and bail for removably supporting the pan on the bail beneath the open end of the globe.

1,982,124
COMBINATION BAIL AND LID OPENER FOR CONTAINERS
Beauford B. Smith, Silverton, Oreg.
Application November 19, 1932, Serial No. 643,450
2 Claims. (Cl. 220—95)



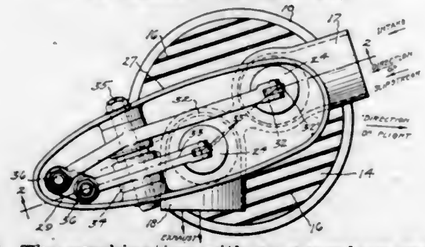
1. In a device of the class described the combination of a container, a lid supporting ring mounted upon the upper edge of the container and extending inwardly therefrom to form an annular shelf, a flanged lid frictionally engaged within the inner periphery of the ring and having its flange resting upon said shelf, a bail member swingably mounted to the side walls of the container and having one of its ends terminating in an arm adapted to engage the underside of said lid and lift one edge of said lid from the shelf upon application of downward pressure upon the bail member, the other end of said bail member resting adjacent to a reactance member to maintain the bail member in an inoperative position relative to the lid of said container.

1,982,125
AIR DISTRIBUTING SYSTEM AND APPARATUS FOR RAILROAD CARS
Alfred E. Stacey, Jr., Essex Fells, and Herman Richard Arf, Elizabeth, N. J., assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a corporation of New York
Application November 29, 1929, Serial No. 410,361
9 Claims. (Cl. 98—13)



1. In combination with a railroad car having a monitor arrangement, a duct having enclosing sides independent of the sides of the car and spaced therefrom, the duct being positioned on the car exterior alongside the monitor, the roof of the car covering the monitor and extending to and over the duct to join the side of the car in a smooth, continuous surface, insulating material covering said duct and holding the duct in out of contact relation with the car, and outlets constituting independent units connecting with the duct and leading within the car, the discharge ends of said outlets terminating at the ceiling of the car adjacent the area covered by the monitor.

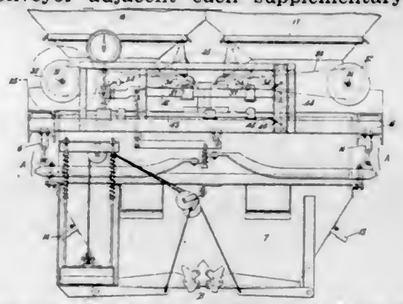
1,982,126
VALVE FOR AEROPLANE ENGINES
Feri A. Thaheld, Dallas, Tex., assignor to Guiberson Diesel Engine Company, Dover, Del., a corporation of Delaware
Application March 19, 1932, Serial No. 599,921
2 Claims. (Cl. 123—90)



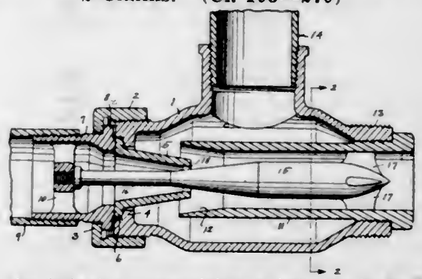
1. The combination with an aeroplane engine, of an elongated rocker box mounted on said cylinder and having its longitudinal axis alined with the slip stream of the propeller, and an air intake conductor between the box and the cylinder also alined with the slip stream of the propeller.

1,982,127
APPARATUS FOR MEASURING BULK MATERIALS
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application November 27, 1931, Serial No. 577,447
3 Claims. (Cl. 249—15)

1. In apparatus for measuring a plurality of kinds of bulk materials, the combination of a measuring receptacle mounted on scales, means dividing said receptacle into a plurality of measuring compartments, a material supply bin or hopper above each compartment having means for freely discharging material by gravity into the compartment above which it is located, said discharge serving to substantially but not quite fully fill the compartment to its volumetric capacity, gate means for intercepting said feed, a supplementary discharge opening in each bin, a conveyor adjacent each supplementary discharge opening for controlling the flow of material therefrom, and means for operating each conveyor to withdraw material comparatively slowly from its respective supply bin and deliver it to the measuring receptacle until the total weight of material desired has been measured into said receptacle.



1,982,128
INJECTOR
Leon J. Vetrano, Houston, Tex.
Application February 28, 1933, Serial No. 658,951
2 Claims. (Cl. 103—270)



1. An injector comprising a tubular body having a side inlet, a nozzle extending into one end of said body and having a forwardly contracted passageway, a tubular connection abutting the outer end of the nozzle and forming means for anchoring the nozzle in place, means for clamping the connection to the end of the body, a spider in said connection, a tubular nozzle pipe secured in the other end of the body and extending inwardly beyond said side opening and whose inner end surrounds the inner end of the nozzle, said nozzle pipe having an approximately uniform passageway therethrough which is flared at its inner end, a core located in the nozzle pipe and having its inner end tapered and extended into the nozzle, a stem anchored to said spider and to which the inner end of the core is anchored the other end of the core being pointed and spacers on said other end of the core arranged to hold the core centered relative to the nozzle pipe.

1,982,129
PURIFICATION OF DEINKING WASTES AND OTHER INDUSTRIAL EFFLUENTS
Sidney D. Wells, Appleton, Wis., and William B. Cramer, Denver, Colo., assignors to Lewis L. Alsted, Appleton, Wis.
No Drawing. Application March 24, 1933, Serial No. 662,574
8 Claims. (Cl. 209—166)

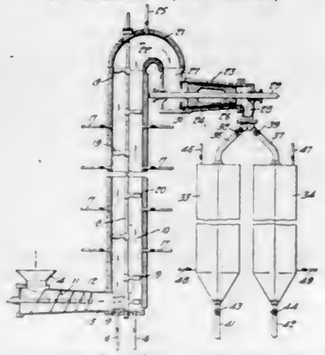
1. The hereindescribed method of recovering the pigment, fatty acids and retained fibers from

the waste liquor of de-inking operations wherein soaps are used as the de-inking reagents, which method consists in subjecting the liquor to the action of sulphuric acid to flocculate the pigment and fiber and to release the fatty acids from the soap ingredients of the liquor, removing the released fatty acids from the liquor and then removing the pigment from the liquor by flotation.

1,982,130
CHEMICAL TREATMENT PROCESS FOR PULP MANUFACTURE

Harry L. Wollenberg, San Francisco, Calif., assignor to Longview Fibre Company, Longview, Wash., a corporation of Delaware

Application September 5, 1933, Serial No. 688,103
3 Claims. (Cl. 92—6)

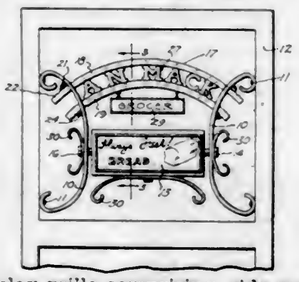


1. In a process for the continuous treatment of fibrous material, characterized by the use of a relatively upright treatment chamber together with at least two receiving vessels, said method comprising continuously introducing the fibrous material into the treatment chamber, simultaneously introducing a treating liquor into the chamber, continuously advancing the mixture of fibrous material and treating liquor in a compact moving column upwardly thru the chamber, causing the liquor and treated fibrous material to discharge from the upper portion of the treating vessel over a wier, and then alternately delivering the material together with the liquor discharged over said wier into either one or the other of said vessels.

1,982,131
DISPLAY GRILLE

Len Acton, Dallas, Tex., assignor to Richard Burdick, Dallas, Tex.

Application August 25, 1933, Serial No. 686,754
5 Claims. (Cl. 40—125)

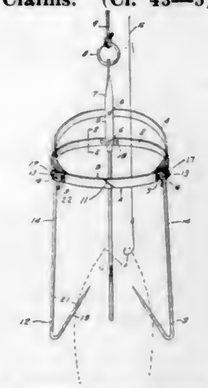


5. A display grille comprising, side members, a display panel bolted between the side members and carried thereby, spacer collars disposed between the ends of the panel and the members to compensate the space therebetween, a holder for characters disposed between the upper ends of the side members and having means for holding individual characters therein, and means for adjustably connecting the ends of the holder with the side members.

1,982,132
GRAPNEL

Arthur L. Boles, Oakland, Calif.

Application April 21, 1933, Serial No. 667,173
3 Claims. (Cl. 43—5)

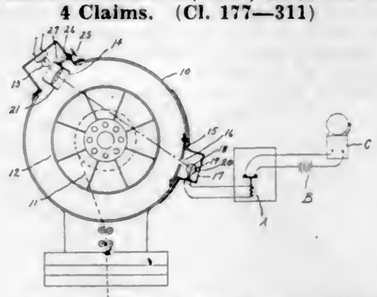


1. A grapnel comprising a frame, a spring closed split ring associated with said frame, a supporting linkage attached to said frame, and a plurality of hooks pivotally attached to said frame.

1,982,133
INDICATING SIGNALING DEVICE

Don Canady, Cleveland, Ohio

Application November 10, 1932, Serial No. 642,036
4 Claims. (Cl. 177—311)



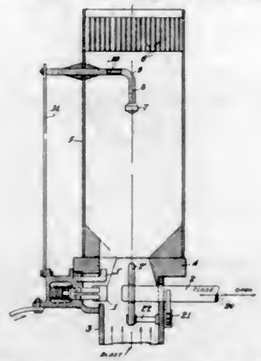
1. In an apparatus of the character described for motion picture projector reels including means on one side of the reel for passing a beam of radiant energy tangentially across the reel in the space normally occupied by a film when wound thereon, radiant energy responsive means in the path of said beam on the other side of said reel, and control means operated on response of the radiant energy responsive device to the beam from the radiant energy source when said space is unoccupied.

1,982,134
CIRCUIT BREAKER WITH LIQUID OR GAS BLOWOUT

André Clerc, Villeurbanne, France, assignor to Societe Ateliers De Constructions Electriques de Delle, Paris, France

Application January 11, 1934, Serial No. 706,271
In Germany January 23, 1933
8 Claims. (Cl. 200—148)

1. In an electric circuit breaker, two relatively movable contacts between which an arc is developed, means for projecting an extinguishing fluid blast against said contacts, said blast being directed in transverse direction to the displacement of the movable contact, a fixed electrode connected by a conductor to one of said contacts, a fixed extremity electrode connected to the other contact through a second conductor, said extremity electrode being disposed behind said elec-

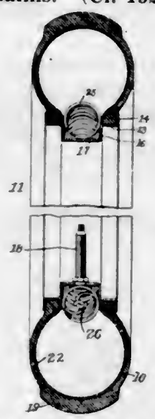


trode considered in the direction of said blast in such manner that under the influence of said blast the arc will be transferred unto said two electrodes, and means for compensating at least partially the electrodynamic forces exerted by said conductors on said arc disposed between said electrodes.

1,982,135
PNEUMATIC TIRE

Pasquale Daddio, New York, N. Y.

Application July 5, 1932, Serial No. 620,829
6 Claims. (Cl. 152—20)



2. The combination with a vehicle tire rim of the drop center type, of a pneumatic tire, a tire valve secured to said drop center rim and a coil spring comprising a pressure element located between the beads of said tire and circumjacent the rim to cause said beads and rim to form an air tight chamber, said pressure element comprising a ring of smaller diameter than the diameter of the bottom of the drop centre.

1,982,136
COMB

Harry J. Ennis, Los Angeles, Calif.

Application February 3, 1934, Serial No. 709,655
1 Claim. (Cl. 132—16)

In a comb, a back portion, said back portion having a slot formed therein, side slots communicating with said first mentioned slot, an end portion having a dove-tailed connection with said back portion, and removable teeth positioned in

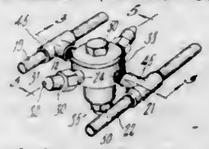


said slot, said teeth having wings entering said side slots.

1,982,137
HUMIDIFIER HEAD

George C. Hanley, Malden, Mass.

Application February 15, 1933, Serial No. 656,844
4 Claims. (Cl. 299—86)



1. A sectional humidifier head including a chambered body section and a cupped outer end section, the body section having an annular internal wall defining the margin of a water chamber, an annular upwardly facing diaphragm seat above said wall, an annular internally threaded curb above the diaphragm seat, a combining nipple projecting from the body section, and means forming the bottom of the water chamber; the cupped outer section having a top portion constituting the cover of an air chamber, and an annular flange having an external thread engaging the internal thread of said curb, and an internal annular wall defining the margin of the air chamber; a diaphragm bearing on said seat and forming the top of the water chamber and the bottom of the air chamber, said diaphragm being marginally clamped against its seat by the top section flange, the combining nipple constituting an element of vaporizing means and having a water duct communicating with the water chamber, and an air duct communicating with the air chamber, said vaporizing means including also a small bore inner tube formed separately from the combining nipple secured in the water duct thereof, and projecting outwardly from the nipple, and a larger outer tube secured to the combining nipple and forming an air space surrounding the inner tube and communicating with the air duct, the outer tube having a constricted orifice surrounding the outlet end of the inner tube and forming therewith an annular outlet formed to emit an annular air jet surrounding the water jet emitted by the inner tube, the outer end of said orifice being substantially flush with the outer end of the inner tube, whereby air emitted by said orifice is prevented from retarding the emission of water from the inner tube, the curb of the body section and the flange of the top section being formed to constitute means unaffected by rotative adjustments of the outer section for conducting air from the air chamber to the air duct of the combining nipple, means being provided for admitting water to the water chamber and air to the air chamber.

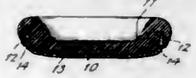
1,982,138
CUSHION SLIDE FOR FURNITURE

Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application December 24, 1932, Serial No. 648,735
2 Claims. (Cl. 45—137)

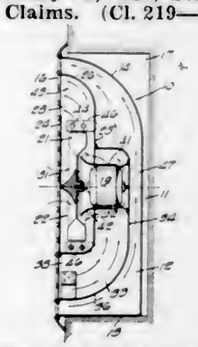
1. A cushion slide for furniture, comprising a cushion body of resilient material adapted to be

engaged by the lower end of a furniture leg or the like and having an annular pocket in its under side adjacent its periphery, the portion of said body outwardly of said pocket constituting a relatively thin cross section circumferentially continuous elastic ring, and a non-resilient



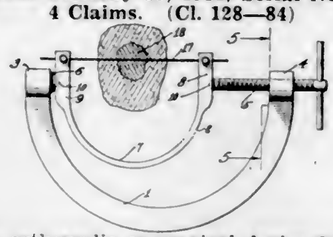
sliding shoe having a floor engaging surface disposed beneath said cushion body and an annular upwardly extending outwardly flared rim engaged in said annular pocket, the inner wall of said elastic ring adapted to conform with the outer wall of said rim to interlockingly retain said shoe in relation to said cushion body.

1,982,139
ELECTRICAL AIR HEATER
Arthur J. Kercher, Berkeley, Calif.
Application January 19, 1931, Serial No. 509,747
13 Claims. (Cl. 219—39)



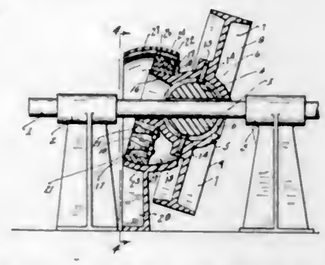
1. In an electrical air heater, a housing, walls within said housing serving to divide the interior thereof into primary and secondary upwardly extending air passages, electrical heating means disposed within the housing and adapted to heat air in said primary passage, and a fan or blower disposed within the housing and adapted to effect a rapid flow of air into the housing, thru said primary passage, and out of the housing after being heated by said electrical means, said secondary passage being open to the exterior of the housing at its lower and upper ends thereby forming a flue for upwardly circulating convection currents of air.

1,982,140
ORTHOPEDIC OR SURGICAL DEVICE
George C. Martin, Los Angeles, Calif., assignor to Samuel S. Mathews, Los Angeles, Calif.
Application January 19, 1931, Serial No. 509,764
4 Claims. (Cl. 128—84)



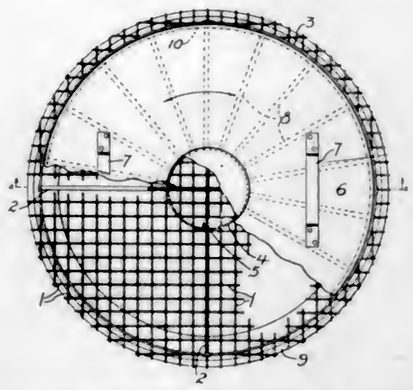
1. An orthopedic or surgical device for setting bone through which a wire has been passed, including a resilient harp adapted to be secured to said wire at opposite sides of said bone, and means for compressing said harp to in turn axially tension the said wire when the means for compressing the harp is released from said harp.

1,982,141
UNIVERSAL PULLEY
Archie Nault, Beaverton, Oreg.
Application June 28, 1934, Serial No. 732,779
4 Claims. (Cl. 64—98)



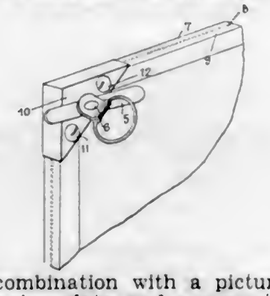
1. In a device of the class described, in combination with a shaft, a husk disposed about the shaft, a split ring having an annular groove disposed upon its inner surface adapted for fitting the inner surface of the husk, a pair of split eccentrics rotatable relative to each other and fitted to the inner surface of the split ring, holes having tapered side walls disposed in the adjacent ends of the split eccentric members, tapered bolts disposed within the holes and adapted for expanding the eccentric members within the split ring and the split ring into expanded locked position within the husk, a pulley hub rotatably mounted within the inner one of the split eccentrics, a split sphere splined upon the shaft, grooves disposed in the outer surface of the split sphere, a pulley secured to the hub and journaled to the split sphere, and pins having rollers secured to their one end mounted within the pulley and arranged to effect driving relation between the pulley and the split sphere.

1,982,142
GRAPE STRIPPER
Henry E. Peterson, Grapeview, Wash.
Application November 1, 1932, Serial No. 640,611
7 Claims. (Cl. 146—55)



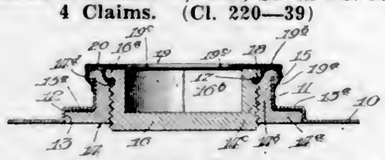
1. A grape stripper for use with a receptacle, comprising a container for holding unstripped grapes and adapted to be positioned above the receptacle, said container having a reticulated bottom and a marginal wall upstanding therefrom, and a plate supported on the unstripped grapes and otherwise unrestrained from vertical movement, and having means on its under surface to engage the grapes, and upon relative lateral movement to pull them from their stems.

1,982,143
PICTURE FRAMING AND THE LIKE
René Jacques Schill, Paris, France
Application August 15, 1933, Serial No. 685,257
In France August 17, 1932
3 Claims. (Cl. 40—155)



1. The combination with a picture, a transparent covering plate, and a supporting backing plate all of the said parts being of corresponding outline, gussets embracing the angular meeting marginal edges of said picture and plates to hold same together, fastening means anchoring said gussets to said backing plate, and a retaining member pivoted to the rear face of the gussets for removably engaging the fastening means to prevent displacement thereof.

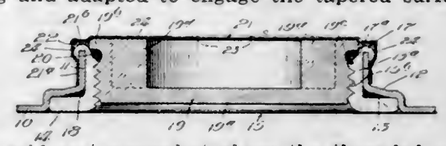
1,982,144
CLOSURE DEVICE FOR METALLIC CONTAINER OPENING
John W. Shera, Chicago, Ill., assignor to American Flange & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1931, Serial No. 573,675
4 Claims. (Cl. 220—39)



1. In structure of the class described, a container having an opening formed with an outwardly-extending cylindrical flange, a bushing fitting within said flange and having its outer end turned over the outer edge of said flange for securing the bushing within said flange, said turned over outer edge forming a rounded bead, and leak-proof and tamper-proof seal means including a metallic cap member having its cylindrical skirt encompassing said bead, said skirt being uniformly contracted throughout its circumference snugly around said bead with its lower edge portion extending along substantially parallel with and entirely contacting with the cylindrical flange below said bead, and gasket means confined and compressed between said bead and top of said cap member.

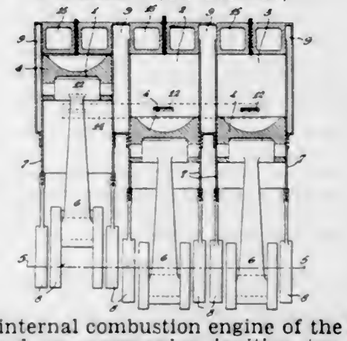
1,982,145
CLOSURE DEVICE FOR METALLIC CONTAINERS
John W. Shera, Chicago, Ill., assignor to American Flange & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1932, Serial No. 609,093
14 Claims. (Cl. 220—39)

1. In structure of the class described, means providing an opening in a wall of the container, the lower or inner part of which opening is threaded and the outer part of which opening is provided with an unthreaded seat tapering downwardly and inwardly from the outer edge of said opening to the top of its threaded part, a closure plug having a threaded body part adapted to engage said threaded opening and having a head of greater diameter than its threaded body part and of less diameter than the outer part of said opening and adapted to engage the tapered surface



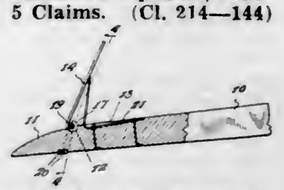
of said seat somewhat above the threaded part of said opening to limit the depth of insertion of the plug in said opening, and a readily compressible gasket carried by said plug between its head and threaded body part and adapted to be compressed against said seat below the point of engagement between said seat and plug head and above the threads of said opening.

1,982,146
INTERNAL COMBUSTION ENGINE OF THE DIESEL, SEMIDIESEL, COMPRESSION IGNITION, OR INJECTION TYPE
Joseph James Eastwood Sloan, Liverpool, England
Application September 24, 1931, Serial No. 564,862
In Great Britain October 11, 1930
4 Claims. (Cl. 123—32)



1. An internal combustion engine of the Diesel, semi-Diesel or compression ignition type comprising a plurality of cylinders, a direct by-pass connection between said cylinders and means for controlling said by-pass so as to admit hot residual products direct from one cylinder during and near the end of expansion to another cylinder during and near the commencement of compression.

1,982,147
HAY-RETAINING FINGER FOR STACKER TEETH
Elmer O. Sondeno, Lebo, Mont.
Application February 6, 1933, Serial No. 655,487
Renewed April 27, 1934
5 Claims. (Cl. 214—144)



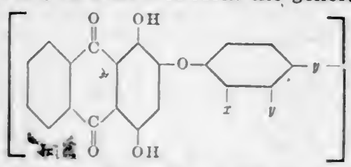
1. The combination with a stacker tooth, of a link embracing the tooth, and a hay-retaining finger pivoted upon the link at the upper side of the tooth and provided with a shoulder to coact with the link for limiting the finger in its upward swinging movement away from the tooth.

1,982,148
MEDICAMENT FOR EXTERNAL USE AND METHOD OF PRODUCING THE SAME
Angel Zimbron, Jr., Mexico, D. F., Mexico
No Drawing. Application August 22, 1932, Serial No. 629,993
10 Claims. (Cl. 167—63)

5. A stable medical composition adapted for external application which includes as an important ingredient trioxymethylene colloidally suspended in a vehicle comprising (1) a reaction product of benzoic acid and menthol and (2) a reaction product of camphor and naphthalene.

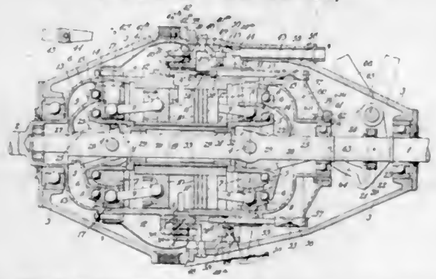
1,982,149
ALUMINIUM LAKES OF SULPHONATED COMPOUNDS OF THE ANTHRAQUINONE SERIES
Fritz Baumann, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application June 4, 1931, Serial No. 542,204. Divided and this application May 27, 1933, Serial No. 673,325. In Germany June 4, 1930
2 Claims. (Cl. 260—11)

1. The aluminium lakes of the compounds having in their free form the general formula:—



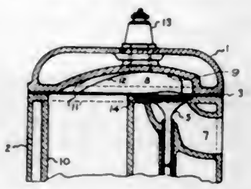
wherein x stands for hydrogen or alkyl, one y means hydrogen, alkyl, halogen, the carboxylic acid group, a carboxylic acid ester group or an acyl group, the other y means hydrogen, said lakes being valuable clear red pigment dyestuffs of good fastness properties.

1,982,150
HYDRAULIC TRANSMISSION MECHANISM
Jesse Bedford, Luton, England, assignor of one-half to Matthew Clough Park, Luton, England
Application October 5, 1931, Serial No. 567,093
In Great Britain October 6, 1930
9 Claims. (Cl. 60—54)



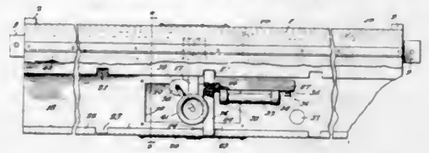
1. Hydraulic variable transmission mechanism comprising in combination, a driving shaft and a driven shaft, a reciprocating pump for positively circulating the working fluid comprising a revoluble cylinder block and cylinders therein, pistons in the cylinders and conections between the pistons and cylinders and the shafts for circulating the fluid, said connections including a tilting or swash plate for operating the pump, means for varying the stroke of the pump, the pump having an orifice at its outlet for forming and directing a jet of the working fluid discharged from the orifice, means for varying the size of the jet opening from zero to a maximum and a vane system, including vanes carried by a stationary part of the mechanism and vanes carried by the driven shaft, operated upon by the jets so as to aid in imparting to the driven shaft the dynamic torque created from the kinetic energy of the working fluid.

1,982,151
CONTROLLING HEAT UNIT IN A THERMO ENGINE
Alexander J. Bocz, Detroit, Mich.
Application March 1, 1933, Serial No. 659,315
7 Claims. (Cl. 123—191)



1. Means for vaporizing the liquefied gases in a cylinder of an internal combustion engine, comprising: a combustion chamber divided into two semipherical sections with an ignition locator, and a heated gutter means in said cylinder; and heated gutter means to convert the liquid fuel into gases.

1,982,152
SYSTEM FOR DISTRIBUTING POWER
Martin J. De Mask, Pittsfield, Mass.
Application July 2, 1932, Serial No. 620,707
4 Claims. (Cl. 247—3)



1. In apparatus for the purpose set forth, a conduit, insulated bus bars therein, contact clips on the bus bars, a switch casing mounted on the conduit at one side of the same, a block of insulation fitted in the switch casing, a switch mounted on one side of said block and having blades adapted to engage the contact clips on the bus bars, and fuses mounted on the base block and electrically connected with the respective switch blades.

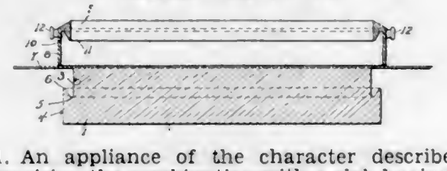
1,982,153
PROCESS OF PREPARING ACETICANHYDRIDE
Alfred Dierichs, Leverkusen-on-the-Rhine, and Leonhard Weiss, Wiesdorf-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany, a corporation of Germany
Application July 8, 1930, Serial No. 466,573
In Germany August 1, 1929
4 Claims. (Cl. 260—123)

1. A process of preparing acetic acid anhydride by the catalytic decomposition of acetic acid vapor, which comprises conducting said acetic acid vapor through a molten catalyst comprising an alkali metal phosphate, which catalyst is arranged as a resistance in an electric circuit and thus maintained at a temperature between 500 and 1000° C. by an electric current.

1,982,154
PROCESS OF PREPARING ACETIC ANHYDRIDE
Alfred Dierichs, Leverkusen-on-the-Rhine, and Leonhard Weiss, Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application February 9, 1931, Serial No. 514,692. In Germany August 1, 1929
12 Claims. (Cl. 260—123)

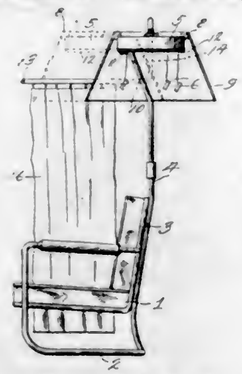
1. Process of preparing acetic acid anhydride by the catalytic decomposition of acetic acid vapor, which comprises conducting said acetic acid vapor through a molten catalyst comprising a metal phosphate, which catalyst is arranged as a resistance in an electric circuit and thus maintained at a temperature of between 500 and 1000° C. by means of an electric current.

1,982,155
DENTAL SLAB
John Burke Earman, West Palm Beach, Fla.
Application April 4, 1933, Serial No. 664,436
3 Claims. (Cl. 32—39)



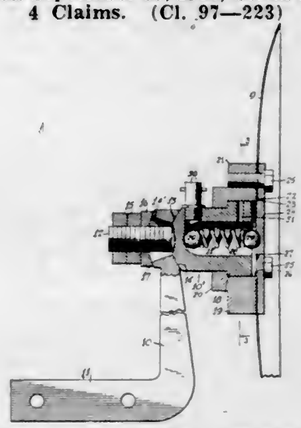
1. An appliance of the character described, comprising the combination with a slab having a working face, and having stepped sides and ends, the "step" having a downwardly cut V-shaped groove, a film placed over the working face and a frame embracing said stepped sides and ends of said slab and the marginal portion of the film, said frame having a downwardly directed V-shaped rib to enter said groove, said frame having a weighted and a skirt portion, the weighted portion serving to hold the frame down and effect the holding of the film taut over the working face of the slab, the upper face of said frame being downwardly beveled away from the slab.

1,982,156
HAIR WAVING MACHINE
Charles A. Fetters, Washington, D. C.
Application July 6, 1934, Serial No. 734,049
12 Claims. (Cl. 132—36)



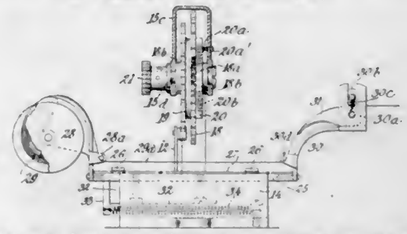
1. The combination with a hair waving machine said machine comprising an upwardly extending standard, a reel casing carried by the upper end of said standard, a seat to one side of said standard, said reel casing being normally when in inoperative position in axial position on the standard and means connecting said standard and reel casing whereby said reel casing may be moved from its axial position in relation to the standard to a position above the seat.

1,982,157
AGRICULTURAL IMPLEMENT
Vernon Gandrup and Sidney Gandrup, Watsonville, Calif.
Application September 30, 1933, Serial No. 691,674
4 Claims. (Cl. 97—223)



1. A disc scraper mounting comprising an arm having a spherical seat, a bolt having a spherical shoulder fitting the seat, means for clamping the bolt upon the seat, a fitting slidable on the bolt and having the disc secured thereto, yielding means for urging the disc outward and means for limiting the outward movement of the disc.

1,982,158
ROLL LEAF IMPRINTING MACHINE FOR LEATHER GOODS
Herman Gould, Brooklyn, and Frank Ackerman, Bronx, N. Y.
Application March 11, 1932, Serial No. 598,166
2 Claims. (Cl. 197—6.4)



1. A roll leaf imprinting machine or the like comprising a base, a platen movable transversely to the base, imprinting means above the platen and movable downwardly in relation thereto, means for moving the platen after each imprinting operation, an imprinting ribbon extending across, carried by and movable with said platen so as to present a fresh portion of the ribbon to the imprinting means for each imprinting, said ribbon being disposed in spaced relation over the platen and adapted to be moved downwardly toward the platent when engaged by the imprinting means, and means for tensioning said ribbon to cause it to return to its position in normal spaced relation to the platen as the imprinting means is removed out of engagement therewith.

1,982,159

AZO-DYESTUFFS OF THE STILBENE SERIES AND PROCESS OF MAKING SAME

Alfred Gressly, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 2, 1933, Serial No. 669,071. In Germany May 11, 1932

10 Claims. (Cl. 260—69)

1. A process for the production of azo dyestuffs of the stilbene series which comprises the steps of reacting the condensation products of dinitro-stilbene-disulfonic acid and amino-azo-compounds of the benzene series with alkaline reducing agents, treating the products obtained from the first step with oxidizing agents, and fractionally precipitating with a salt.

1,982,160

MANUFACTURE OF ACETIC ACID FROM ALCOHOL

Henri Martin Guinot, Melle, France, assignor to Usines De Melle, Melle, Deux-Sevres, France

No Drawing. Application September 5, 1933, Serial No. 688,258. In France September 16, 1932

10 Claims. (Cl. 260—116)

1. The method of manufacturing organic acids from alcohols, consisting in treating the alcohol with an oxidizing agent capable of regeneration by electrolysis, extracting the produced acid by a solvent, regenerating the residual spent oxidizing agent by electrolysis for re-use, and separating the acid-solvent mixture into acid and solvent.

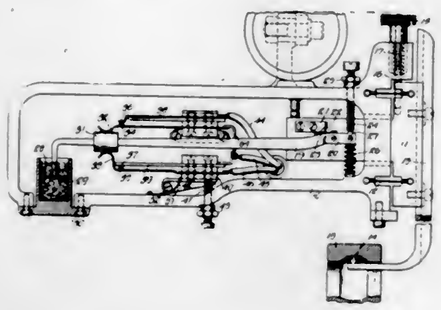
1,982,161

SIZING DEVICE FOR GRINDING MACHINES

Daniel Gurney, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania

Application November 30, 1931, Serial No. 578,101

6 Claims. (Cl. 51—165)



1. In a grinding machine, a sizing device comprising work engaging means, a multiplying lever operable by said work engaging means, a pair of contacts biased to closed position but normally held open by said lever, said contacts being in circuit with means for controlling operation of some mechanisms on the machine, a second pair of contacts normally biased to open position and in circuit with electrically operated mechanism on the machine, movement of said lever in response to reduction in work causing said first contacts to close, and further movement closing said second contacts.

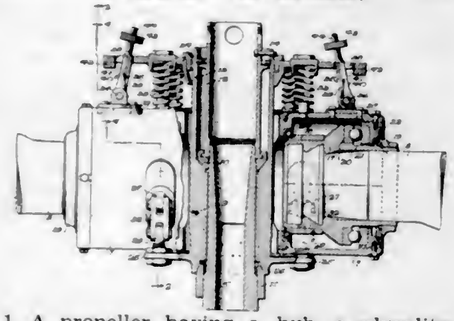
1,982,162

PROPELLER

Clinton H. Havill, South Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application January 28, 1932, Serial No. 589,478

19 Claims. (Cl. 170—162)



1. A propeller having a hub, a plurality of blades rotatably mounted therein, a rotatable shaft, means for drivably connecting said hub and shaft, means responsive to the thrust of said blades for moving the hub axially of said shaft, means operable during such movement to change the pitch of said blades, and centrifugally-responsive means for positively arresting movement of the hub axially of the shaft in one direction.

1,982,163

SULPHAMINO-PHENYL-METHYL-PYRAZOLONES

Winfrid Hentrich, Wiesdorf-on-the-Rhine, and Josef Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 5, 1929, Serial No. 405,056. In Germany November 8, 1928

5 Claims. (Cl. 260—45)

1. The process which comprises causing about molecular quantities of a 5-hydroxyaminophenyl pyrazole and a chlorosulphonic acid to react upon each other in the presence of an acid-binding agent at a temperature of about 40 to 50° C. for several hours.

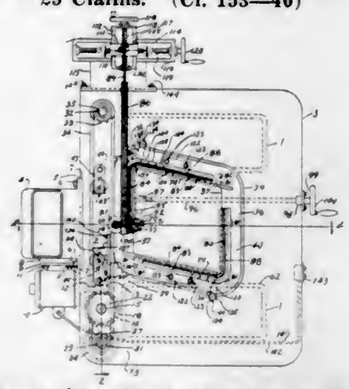
1,982,164

BENDING MACHINE

Gustav A. Hoener, Detroit, Mich.

Application December 8, 1932, Serial No. 646,274

25 Claims. (Cl. 153—40)



1. In a machine for bending a pipe, the combination of a supporting base provided with a table, a fixture plate movably mounted on the table of said supporting base, said fixture plate being provided with a rim portion having tooth projections around its periphery, flexible driving means engaging the tooth projections of said fixture plate, a movably mounted head member, a pressure roller revolvably mounted on said head member, a lever pivotally mounted on said head member, said lever being provided with a roller for engaging portions of said fixture plate, a second pressure roller revolvably mounted on said lever, fixture members mounted on said fixture plate, said fixture member engaging said second mentioned pressure roller, said fixture member being adapted to co-operate with said first mentioned pressure roller to bend the pipe, an arbor within the pipe, said arbor being provided with a ball portion located adjacent said first mentioned pressure roller, means for supporting the outer end of said arbor, manually operated means for actuating said fixture plate to engage the roller of said lever, and manually operated means for moving said movably mounted head member.

1,982,165

BEDSTEAD

Leslie Haywood Hounsfield, Wimbledon, London, England

Application March 14, 1933, Serial No. 660,721

In Great Britain March 18, 1932

2 Claims. (Cl. 5—114)



1. A collapsible bed comprising a pair of jointed springy side rods, a tubular socket joint at the middle of each side rod, a sheet of canvas attached along opposite longitudinal edges to the said side rods, a spring secured to the end of each side rod and to the canvas, for yieldably retaining the socket joint in engagement four detachable resilient supporting members each in the form of a W with the centre flattened and the ends splayed outwards and sockets at spaced positions on said side rods for the reception of the ends of said supporting members.

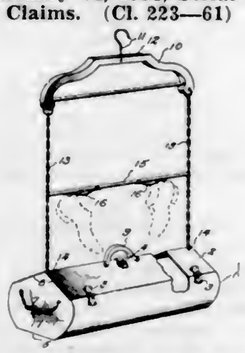
1,982,166

SERVICE HANGER

Victor J. Hultquist, Alcoa, Tenn.

Application January 24, 1934, Serial No. 708,154

7 Claims. (Cl. 223—61)



1. A service hanger including a storage receptacle, a coat form hanger bar, and flexible connectors for supporting the storage receptacle from the hanger bar, said hanger bar and connectors being of a size to provide for their being housed within the receptacle when not in use.

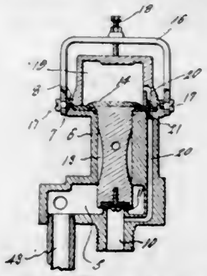
1,982,167

VALVE

Michael Kauchack, Pitcairn, Pa.

Application May 20, 1933, Serial No. 672,061

2 Claims. (Cl. 137—104)



1. In a valve of the class described, a distributing chamber having an inlet, a cylinder rising from the top of the chamber and provided at its upper end with a diametrically enlarged head having an upstanding marginal flange, a diaphragm arranged on the head within the confines of said flange, a cap member having an open end engaging the head within the confines of said flange and cooperating with the head for clamping the diaphragm in place, a bail pivoted to the head and adapted to straddle said cap, a locking screw threadedly engaged with the bail and adapted to be threaded home against the cap for securing the latter in position, said chamber and cylinder being provided with a formation having a passage extending therethrough from the inlet, said cap being provided on the wall thereof with a formation having a passage formed therein adapted to aline with the first named passage for establishing communication between the inlet and the interior of said cap, and a nipple passing through an opening in the marginal portion of the diaphragm and having an end seating within one end of the first named passage, and a second end seated within one end of the passage in said cap; a pressure responsive piston operating in the cylinder, a bleed valve connected with the cap, and float control means operatively connected with the piston and having operative engagement with the valve.

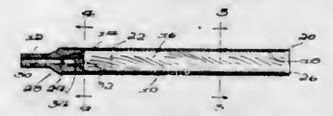
1,982,168

CIGAR

Morris S. Kayner, New York, N. Y.

Application August 9, 1933, Serial No. 684,450

7 Claims. (Cl. 131—52)

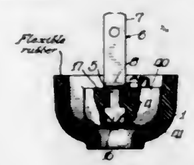


1. As a new article of manufacture, a cigar comprising a filler, a paper binder about at least a portion thereof, a wrapper of leaf tobacco about said binder, terminating short of one end of the binder to expose same, and a mouthpiece secured to said exposed end; said mouthpiece having a principal bore or passage extending partially therethrough, to a point adjacent said end, said passage being closed at such point, and other passages extending through the mouthpiece from said end to establish communication with said principal passage, said other passages being spaced radially inward from the external surface of the mouthpiece at said end, thereby providing a distinct solid area externally concentric of said passages adjacent said binder.

1,982,169
ELECTRIC CONNECTER

Francis C. Kollath, Chicago, Ill., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application May 26, 1932, Serial No. 613,640
8 Claims. (Cl. 173—361)



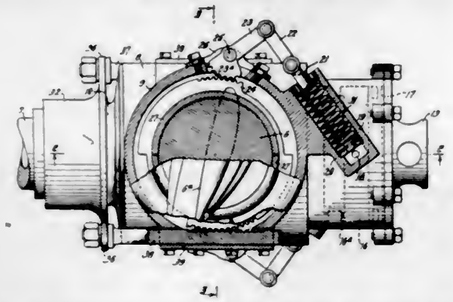
1. An electric connecter comprising a soft flexible rubber-like casing, inwardly extending members integral with the casing and having upper and lower surfaces, said members having slots therein, contact prongs removably positioned in said slots, and integral extensions on said prongs engaging the upper and lower surfaces of the members to hold the prongs on said members but preventing accidental removal thereof.

8. In an electric plug the combination of an integral preformed body of soft flexible material, a passage formed in said body leading from a face thereof and a recess of greater cross section than said passage opening into said passage, said recess being otherwise closed, a contact prong, an arm including an enlarged portion integral with said prong, said enlarged portion forming a shoulder with said arm on one side of said portion and being shaped on the other side thereof to facilitate nosing through said passage in one direction to bring said enlarged portion to position in said recess with said prong extending in the opposite direction from said face, said enlarged portion and said recess being so relatively proportioned that due to the flexibility of said body said shoulder is held in abutting relation with a wall of said recess.

1,982,170
VARIABLE PITCH PROPELLER

Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application January 22, 1932, Serial No. 588,193
17 Claims. (Cl. 170—162)

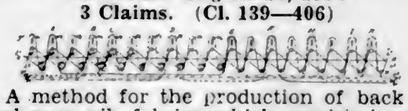


1. In combination with a variable pitch propeller, means for changing the pitch of the propeller blades including cylinders rigidly connected to the hub of said propeller, pistons operable therein, and a movable cylinder carried by said hub with a fixed piston therein, said last-named cylinder having communicating means with said first named cylinders.

1,982,171
WARP PILE FABRIC

Robert Lorthiois, Tourcoing, France

Application July 7, 1932, Serial No. 621,252
In France August 27, 1931
3 Claims. (Cl. 139—406)

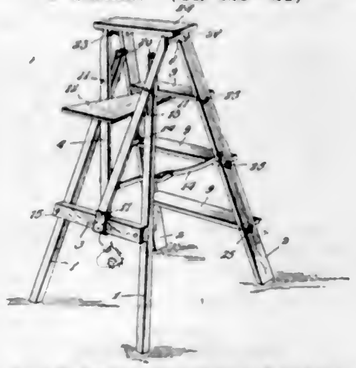


1. A method for the production of back patterned warp pile fabrics, which consists in weaving into the weft of the fabric that part of the pile warp threads required for the pattern of the fabric, floating beneath the body of the fabric that part of the pile warp threads excluded from the pattern, leading the pile warp threads to reenter the fabric one or more times according to the requirements of the pattern, first over a pile wire (top shed) and then around the foundation weft shot between said pile wire and the next following pile wire, then leading said threads over the next following pile wire, returning said threads to float below the foundation fabric, and finally removing from the under side of the body of the fabric the floating part of the pile warp threads.

1,982,172
AUTOMATIC ADJUSTMENT FOR STEPLADDERS

Hansford J. Myers, Long Beach, Calif., assignor of one-half to William A. Warren, Long Beach, Calif.

Application July 31, 1933, Serial No. 682,975
3 Claims. (Cl. 228—21)



1. A step ladder comprising front and back legs, a platform connected with the upper ends of the front legs, a cross brace pivoted at its ends to the respective back legs and provided with a seating notch in its upper side at its center, and a supporting brace consisting of downwardly converging side members connected at their upper ends with the platform and having their lower ends seated in the notch in the cross brace, said downwardly converging members having sliding connection with the respective back legs.

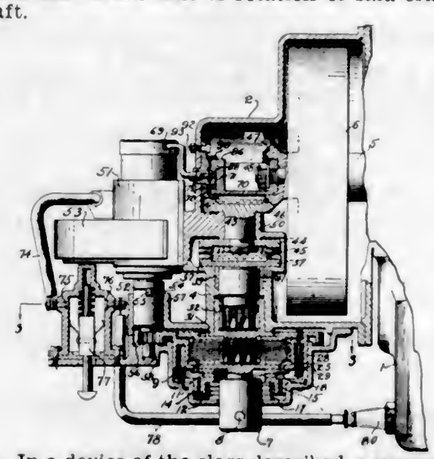
1,982,173
STARTER MECHANISM

Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application June 4, 1930, Serial No. 459,196
10 Claims. (Cl. 123—179)

1. In an engine starting mechanism, an engine crank shaft, a driven member in driving relation to the crank shaft at one end, a cranking member, and an intermediate member splined to the cranking member for longitudinal movement but normally disengaged from the other end of the driven member, a cam slot adjacent the intermediate

member and an abutment in the cam slot adapted upon rotational movement of the intermediate member to move the latter longitudinally into engagement with the driven member, said driven member, cranking member and intermediate member being rotatable about a common axis perpendicular to the axis of rotation of said crankshaft.

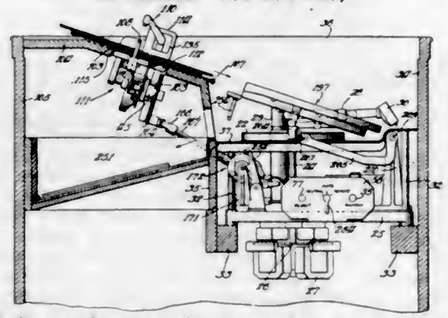


4. In a device of the class described, a magneto, a sparker, an electrical connection between said sparker and magneto, a switch for controlling the development of high tension current in said magneto for delivery to said sparker, and a switch for periodically rendering said first named switch ineffective, and common actuating means for said second named switch and magneto.

1,982,174
PHONOGRAPH

Martin Nystrom, Chicago, Ill., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application November 20, 1930, Serial No. 496,886
28 Claims. (Cl. 274—10)



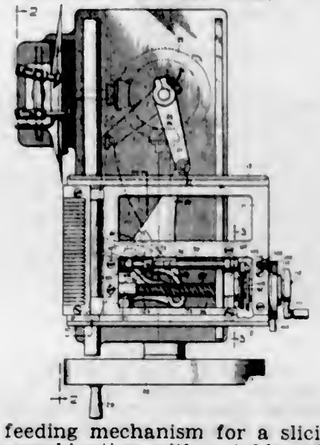
6. In a phonograph, in combination, a turntable adapted to support records of two different sizes, a tone arm mounted for swinging movement over said turntable, a lever movable in one direction to swing said tone arm outwardly beyond the initial playing position for the larger record, a detent carried by said lever for swinging said tone arm inwardly upon movement of said lever in the other direction, a power driving member for periodically oscillating said lever, a fixed abutment adapted to actuate said detent to release said tone arm over the initial playing position for the smaller record, a supplemental abutment movable into position by the weight of the larger record when the latter is placed on said turntable to actuate said detent to release said tone arm over the initial playing position for the larger record, and means operable by said member to discharge the record from said turntable, said means being automatically operable to move said supplemental abutment out of operative position.

19. In a phonograph, in combination, a record magazine having a base wall adapted to support a stack of records, a centering pin extending upwardly through said base wall for engaging the central apertures of the records, friction means for holding said pin yieldingly in position, a transfer member having a selector pin movable into the central aperture of the uppermost record and into engagement with said centering pin to depress the latter to a position flush with the bottom of said uppermost record and movable laterally to move the uppermost record, and means for returning said centering pin into its uppermost position.

1,982,175
SLICING MACHINE

Adolf M. Peters, New York, N. Y.

Refiled for abandoned application Serial No. 71,279, November 25, 1925. This application December 22, 1930, Serial No. 504,186
4 Claims. (Cl. 146—102)

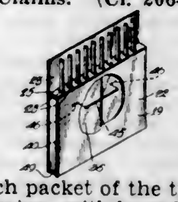


1. In a feeding mechanism for a slicing machine, the combination with a table, of means for moving said table comprising a member associated with the table and a worm in engagement therewith, said worm comprising a shaft, and a worm section mounted upon the shaft for free rotation relatively thereto, whereby upon movement of the table to the predetermined position wherein said member engages said rotatable section, continued rotation of the shaft will not effect any movement of the table.

1,982,176
MATCH PACKET

Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 13, 1933, Serial No. 680,248
6 Claims. (Cl. 206—29)



1. In a match packet of the type which ignites the match during withdrawal, a wrap folded

upon itself longitudinally of the matches to form a cover and having individual openings through which the matches extend and a metal stitch whose length is transverse to the matches, which passes through the packet at the ends from side to side between the match sticks and whose ends are turned outwardly, away from each other.

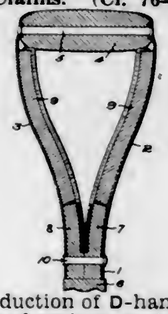
1,982,177

METHOD OF MAKING D-HANDLES

William A. Ready, Brookline, Mass., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware

Original application November 26, 1930, Serial No. 498,352. Divided and this application November 16, 1932, Serial No. 642,891

4 Claims. (Cl. 76—113)



1. In the production of D-handles, that method which comprises forming a metal part having two hollow arms joined together at one end, inserting filler means into each arm to fill the space therein for at least a portion of the length of each arm and thereafter inserting the end of a stale into said metal part at the end where the arms are joined together, whereby said filler means and said stale substantially entirely fill the hollow of the metal part to strengthen and prevent collapsing thereof.

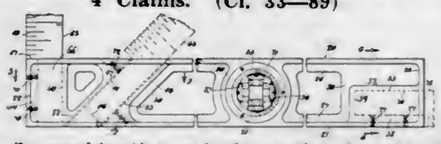
1,982,178

LEVEL AND SQUARE

Barnet Rudolff, Bayonne, N. J.

Application March 3, 1931, Serial No. 519,768

4 Claims. (Cl. 33—89)



1. In combination, a body portion formed of a top plate, a bottom plate and connecting end plates, spaced walls extending between said top and bottom plates and adjacent to one of said end plates, one or more apertures in said plates communicating with the space between said walls to provide a plurality of angularly disposed pockets, a blade adapted to be positioned selectively in one of said pockets and means to detachably clamp said blade in place.

1,982,179

INORGANIC INSULATION FOR ELECTRICAL SHEETS

Charles A. Scharschu, Brackenridge, Pa., assignor to Allegheny Steel Company, a corporation of Pennsylvania

No Drawing. Application June 8, 1931, Serial No. 543,003

3 Claims. (Cl. 154—43)

2. Steel elements for electrical apparatus coated with an inorganic electrical insulation consisting chiefly of silica, iron oxide and an oxide of the alkaline earth metals converted by heat, prior to annealing the elements, into a complex silicate which is unaffected by moisture and by conditions of annealing encountered in the processing of such elements.

1,982,180

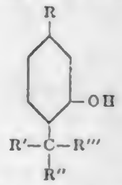
PHENOL DERIVATIVE AND METHOD OF PREPARING SAME

Frits E. Stockelbach, Montclair, N. J., assignor to Harold H. Fries, doing business as Fries Bros., New York, N. Y.

No Drawing. Application October 30, 1931, Serial No. 572,219

6 Claims. (Cl. 260—154)

1. A compound having the structural formula



wherein R, R′, R″ and R‴ indicate like or unlike alkyl groups.

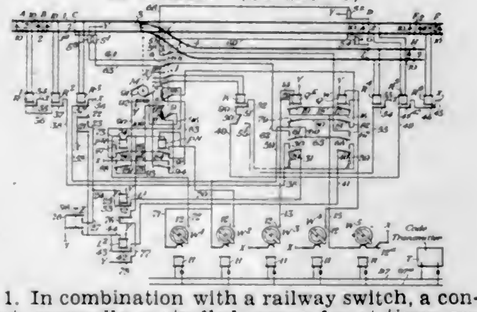
1,982,181

RAILWAY TRAFFIC CONTROLLING APPARATUS

Paul P. Stoker, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 3, 1928, Serial No. 251,576 Renewed April 30, 1930

32 Claims. (Cl. 246—3)



1. In combination with a railway switch, a contact, manually controlled means for at times operating said switch provided said contact is closed, a signal governing traffic over said switch, a signal relay controlling said signal, means effective when said signal relay occupies one position to hold said contact closed independently of traffic conditions adjacent the switch, and means effective when the signal relay occupies a different position to hold said contact closed provided the track adjacent said switch is unoccupied.

1,982,182

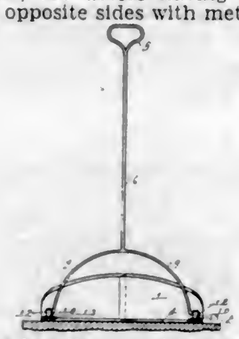
DUSTPAN

Francis E. Stover, Grand Rapids, Mich., assignor of one-half to Harold Linkens, Grand Rapids, Mich.

Application May 18, 1933, Serial No. 671,617

1 Claim. (Cl. 65—20)

A device of the character described made of a flexible rubber sheet bent to form a container with a bottom including an approximately flat body portion and a forward edge portion inclined downwardly-forwardly from the body portion and adapted to conform closely to a surface contacting therewith, the device having post portions adjacent its opposite sides with metallic bearings



therein, and a handle comprising springable arms journalled in said bearings respectively.

1,982,183

CABLE CONNECTER

George R. Tarbox, Troy, N. Y.

Application July 25, 1932, Serial No. 624,633

2 Claims. (Cl. 287—78)



1. A connecter comprising two sections each provided at its end facing the other section with a plurality of axially extending lugs having enlarged end portions circumferentially spaced to receive therebetween the lugs of the other section in closely interfitted and interlocked relation, whereby both relative axial and rotative movement of said sections, when assembled, is prevented, one lug on each section being somewhat smaller than the other lugs thereon, whereby said sections may be assembled by a relative lateral movement; and means circumferentially engaging said lugs, when interfitted, to prevent lateral displacement thereof.

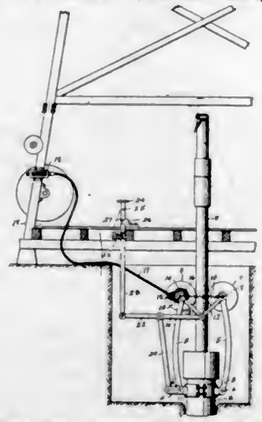
1,982,184

MEASURING APPARATUS

Todd P. Williams and James A. Baxter, Mont Belvieu, Tex., assignors to Howard Smith Company, Houston, Tex., a corporation

Application August 12, 1932, Serial No. 628,560

4 Claims. (Cl. 33—134)



4. A device for ascertaining the amount of longitudinal movement of a pipe in a casing in a well bore comprising a supporting framework, means for securing said framework to the top of the casing, a pivotally mounted upstanding support on said framework, a rotatable member on said support, means for holding said rotatable member yieldingly against the pipe whereby said member will be rotated as the pipe is moved longitudinally, a register, means connected with and adapted to be driven by said rotatable member and also connected with and adapted to drive the register and means for moving, and locking, said rotatable member in inactive position out of contact with the pipe.

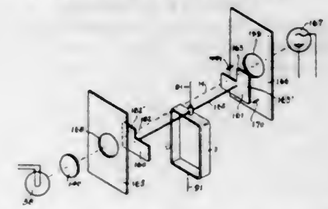
1,982,185

METHOD AND APPARATUS FOR UTILIZING LIGHT-CONTROLLED MEANS FOR CONTROLLING RECORDERS

Charles H. Wilson, Pelham, N. Y., and Cuthbert J. Brown, Foxboro, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Original application December 14, 1928, Serial No. 326,074, now Patent No. 1,930,496, dated October 17, 1933. Divided and this application September 30, 1933, Serial No. 691,584

9 Claims. (Cl. 250—41.5)



1. A light responsive control comprising a light receiving device; a source of light; a movable member; and screens disposable between and aligned with said source and device when said member is in one position; and means whereby movement of said member in one direction only moves said screens in opposite directions out of alinement with said device and light source.

1,982,186

FRYING FAT AND METHOD

Earl B. Working, Tucson, Ariz., assignor to American Lecithin Corporation, Atlanta, Ga., a corporation of Delaware

No Drawing. Application June 9, 1931, Serial No. 543,243

7 Claims. (Cl. 99—13)

1. A fatty material suitable for use in frying, comprising dry fatty material which melts at above normal room temperature, containing a small percentage of lecithin from an original carbohydrate-containing material, such lecithin being free from such amounts of sugars and related carbohydrates as would cause blackening of normally light colored edible products, during the operation of frying same in the deep fat.

6. In preparing foods, the herein described step of frying same in substantially dry fatty material containing a small percentage of phosphatides free from the characteristic flavor and smell of egg yolk lecithin, and sufficiently free from sugars and related carbohydrates, to avoid blackening at ordinary frying temperature.

1,982,187

APPARATUS FOR COPYING GOFFERED FILMS

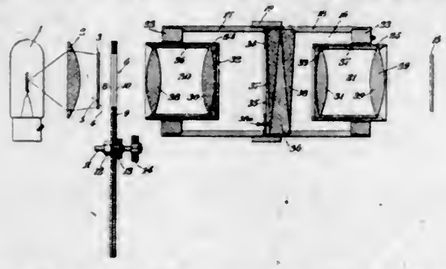
Arthur Wright, Forest Hills, N. Y., assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y., a corporation of Delaware

Application January 27, 1931, Serial No. 511,453

4 Claims. (Cl. 88—24)

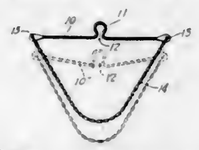
1. In a cinematographic apparatus adapted to remove moire effects, the combination of a gof-

fered film having gofferings arranged in lines and means for reproducing the same, comprising an objective and a prism having the physical prop-



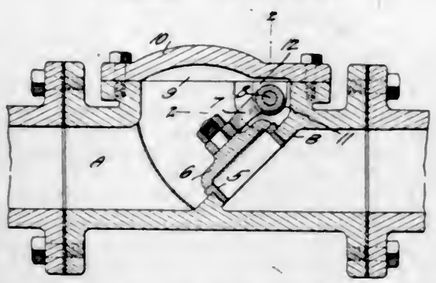
erty of spreading the light by optical dispersion to the extent of ½ to 1½ lines of goffering substantially only transversely of the lines of goffering substantially without deviation.

1,982,188
CRAVAT HOLDER
Amsy L. Wurster, Philadelphia, Pa.
Application May 29, 1934, Serial No. 728,053
6 Claims. (Cl. 24—49)



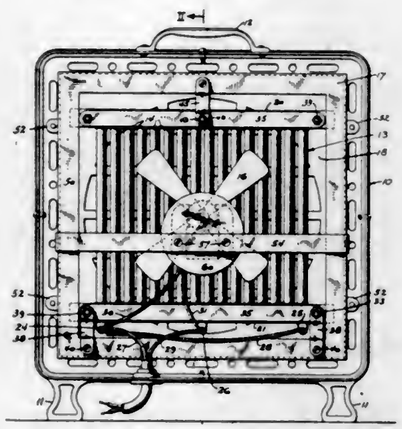
3. A cravat holder comprising a bar of resilient material, having means intermediate its ends for attachment to a button connection, and a member flexible in all directions having its ends attached to the ends of the bar, said flexible member being longer than the bar whereby the bar may be bent without detaching the flexible member.

1,982,189
VALVE
William Anderson, Seattle, Wash.
Application August 21, 1929, Serial No. 387,390
2 Claims. (Cl. 251—123)



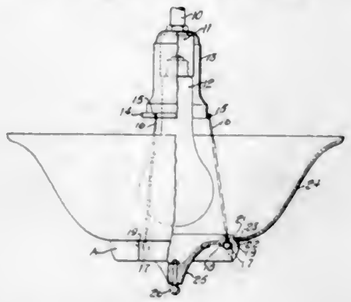
1. The combination with a casing for a non-return valve having accessible pockets formed within its side walls adjacent its upper end, of a bearing removably seated within each of said pockets with its upper end flush with the upper face of said valve casing and being adapted to carry a pivot for a swinging hanger for the valve, said pivot being wholly enclosed within said valve casing and having its terminals removably journalled within said bearings substantially in flush relation with the outer faces thereof, and a cover for said casing adapted to maintain said bearings in seated relation within said pockets.

1,982,190
ELECTRIC HEATER
Joseph F. Ball and Hal McKinstry Quirey, San Francisco, Calif.
Application December 18, 1933, Serial No. 702,961
3 Claims. (Cl. 219—39)



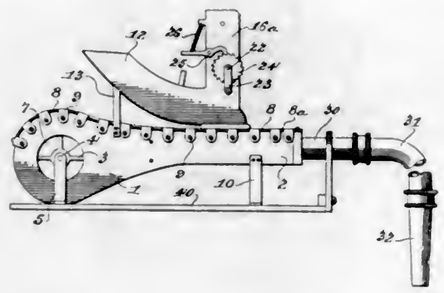
1. An electric heater comprising an outer casing, a fan within said casing, an inner casing within said outer casing and in front of said fan, a heating element within said inner casing and comprising spaced tubes of refractory material, a header of refractory material connecting said tubes at one end thereof, a header of refractory material connecting said tubes at the other end thereof, and resistance coils strung through said tubes and headers and being substantially completely enclosed thereby, said outer casing having openings at the rear and front thereof to permit air to pass from the rear to the front of said outer casing between said tubes and to permit air ventilation between said casings.

1,982,191
LIGHTING FIXTURE
Stanley H. Barnes, New Rochelle, N. Y., assignor to Gleason-Tiebout Glass Company, Maspeth, Long Island, N. Y., a corporation of New York
Application April 22, 1932, Serial No. 606,768
7 Claims. (Cl. 240—78)



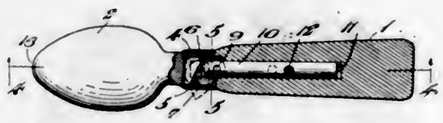
7. A lighting fixture comprising a centrally located glass disc, supports extending from above the disc down through openings in the disc near its edge and having enlargements below the disc to support the disc, and a glass diffusing bowl extending upwardly and outwardly from the disc, the bowl having a central aperture to receive the supports, and resting directly on the upper surface of the glass disc.

1,982,192
FIRE EXTINGUISHER
Edward F. Baumgarten, Rochester, N. Y.
Application March 26, 1934, Serial No. 717,451
3 Claims. (Cl. 169—2)



1. A fire extinguisher comprising a fan chamber, a fan in said chamber, a trunk leading out therefrom adapted to carry an air blast, a metal plate covering the top of said trunk and constituting a part of it, said plate having cleats thereon extending down over the side of the trunk.

1,982,193
FRUIT PEELING DEVICE
Walter Darr, Philadelphia, Pa.
Application October 25, 1932, Serial No. 639,406
2 Claims. (Cl. 146—3)



1. A fruit peeling device comprising a handle, a stripping tool carried thereby, a cutting tool pivotally mounted in said handle intermediate said handle and said stripping tool, and means associated with said handle for projecting said cutting tool out of said handle into an operative position and for withdrawing said cutting tool within said handle into an out-of-the-way inoperative position.

1,982,194
MANUFACTURE OF ANHYDROUS METAL CHLORIDES
Johannes Brode and Carl Wurster, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application June 5, 1926, Serial No. 114,030. In Germany June 16, 1925
3 Claims. (Cl. 23—94)

1. The process of producing aluminium chloride which comprises acting with carbon monoxid and chlorine on material containing alumina at about red heat and protecting the reacting materials against loss of heat until the readily volatilizable impurities are removed, and then converting the purified alumina material into aluminium chloride by repeating the process, heat being supplied in the treatment only for starting the reaction.

1,982,195
PREPARATION OF MONOCARBOXYLIC ACIDS
Johannes Brode and Adolf Johannsen, Ludwigshafen-on-the-Rhine, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application April 21, 1928, Serial No. 271,969. In Germany November 27, 1925
9 Claims. (Cl. 260—108)

1. The process of producing monocarboxylic acids which comprises passing the vapors of a dicarboxylic acid at between about 250° and about 500° C. over a catalyst essentially comprising lead oxid.

1,982,196
MANUFACTURING MONOCARBOXYLIC ACIDS
Johannes Brode, Ludwigshafen-on-the-Rhine, and Adolf Johannsen, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Original application November 19, 1926, Serial No. 149,520. Divided and this application April 21, 1928, Serial No. 271,970. In Germany November 27, 1925
8 Claims. (Cl. 260—108)

1. The process of producing monocarboxylic acids which comprises passing the vapors of a dicarboxylic acid at between about 250° and about 500° C. over a catalyst essentially comprising bismuth oxid.

1,982,197
PRODUCING MONOCARBOXYLIC ACIDS
Johannes Brode, Ludwigshafen-on-the-Rhine, and Adolf Johannsen, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application April 21, 1928, Serial No. 271,971. In Germany November 27, 1925
8 Claims. (Cl. 260—108)

1. The process of producing monocarboxylic acids which comprises passing the vapors of a dicarboxylic acid at between about 250° and about 500° C. over a catalyst essentially comprising cadmium oxid.

1,982,198
LUBRICANT
Lawrence C. Brunstrum, Chicago, Ill., and Maurice R. Schmidt, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application January 5, 1932, Serial No. 584,892
3 Claims. (Cl. 87—9)

1. A lubricant having about the following formula:

	Per cent
Glycerin	45 to 80
Soap of acid from hydrogenated oil	10 to 30
Soda rosin soap	10 to 25

1,982,199
LUBRICANT
Lawrence C. Brunstrum, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application January 11, 1932, Serial No. 586,079
6 Claims. (Cl. 87—9)

1. A plug valve lubricant which will adhere to surfaces on which it is applied, which will form

a tight seal under pressure for extended periods of time, and which will be workable after extended periods of time under severe operating conditions, which lubricant comprises about two parts by weight of graphite, about two parts by weight of a petroleum residue having a melting point of about 85° F. to 100° F. and about one part by weight of a substantially anhydrous lime soap.

1,982,200

ANHYDROUS LUBRICANT

Lawrence C. Brunstrum, Chicago, Ill., and William P. Hilliker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application April 26, 1932, Serial No. 607,662
5 Claims. (Cl. 87—9)

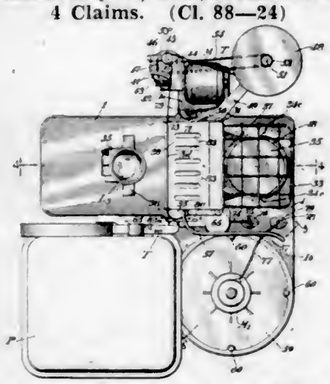
1. A lubricant comprising about 35% to 65% graphite, about 2% to 15% anhydrous lime soap, and about 15% to 45% lead mahogany soap.

1,982,201

PROJECTION APPARATUS AND/OR SYSTEM

Kenneth L. Curtis, New York, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware

Application May 23, 1930, Serial No. 454,896
4 Claims. (Cl. 88—24)



1. In a projection system, a base, projection apparatus carried thereby, and means for controlling the movement of a character-bearing tape through the projection field of said apparatus, said means comprising a chamber in which the air pressure is controlled by the position of said tape, and mechanism for withdrawing air from said chamber, said mechanism comprising a second chamber having a part at least of its wall structure formed by an integral part of said base.

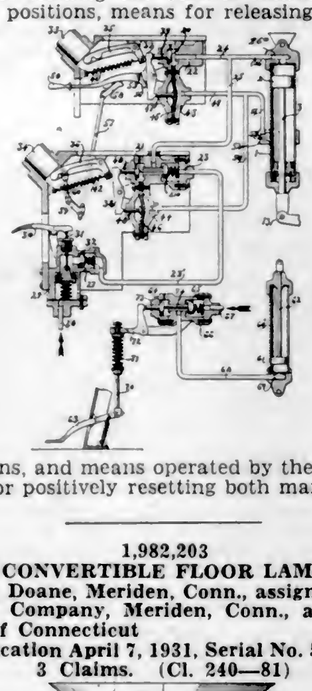
1,982,202

GARMENT OR IRONING PRESS

Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York

Application January 26, 1929, Serial No. 335,205
Renewed April 27, 1934
22 Claims. (Cl. 192—131)

1. A garment or ironing press comprising, in combination, motor means having a movable member, two control means both of which must be retained in operated position at the same time for controlling the actuation of the motor means, a manual operatively connected with each control means, means actuated upon a predetermined movement of the movable member of the motor means for holding the control means in their operated positions, means for releasing the control means, and means operated by the releasing means for positively resetting both manuals.

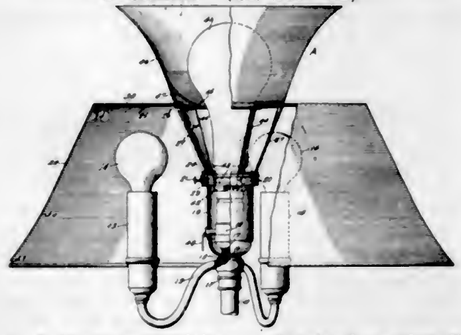


1,982,203

CONVERTIBLE FLOOR LAMP

Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application April 7, 1931, Serial No. 528,300
3 Claims. (Cl. 240—81)



1. A lamp comprising a standard, a plurality of lamp sockets carried at the upper end thereof, one socket being axially disposed and upwardly opening, the other socket being arranged about the central socket, lamp bulbs carried in said other sockets, a socket shell about the central socket, a shade supported from the socket shell and disposed about said other sockets and the lamp bulbs carried thereby and concealing the central socket except from above, and a torchier forming unit comprising a lamp bulb, socket extension and reflector, the socket extension being insertible into the central socket and the lamp bulb and reflector being above the shade and supported independently of the shade.

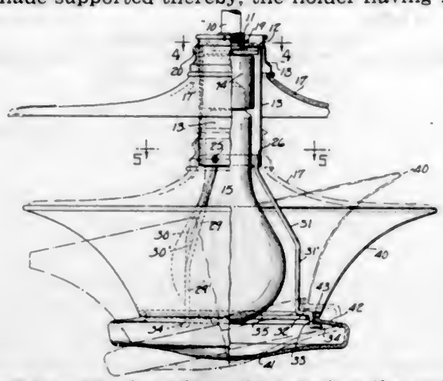
1,982,204

LIGHTING FIXTURE

Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application March 9, 1932, Serial No. 597,673
11 Claims. (Cl. 240—78)

1. In a lighting fixture, a pendant lamp socket, a cylindrical socket cover having an inwardly extending upper end and longitudinal guides extending downwardly from the upper end to provide guide ways, a shade supporting holder, and a shade supported thereby, the holder having inwardly protruding elements entering the guide ways and being engageable with the top of the socket cover to support the shade and holder from the top of the socket cover.

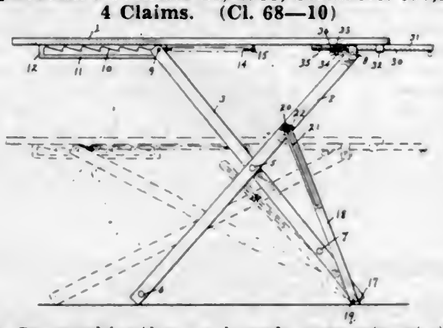


1,982,205

FOLDING BOARD

John P. Doman, Los Angeles, Calif.

Application November 11, 1933, Serial No. 697,598
4 Claims. (Cl. 68—10)



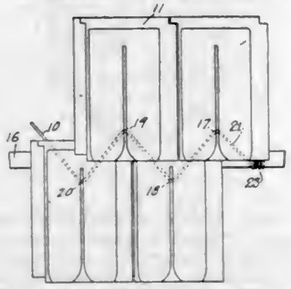
1. In combination, a board, supports at the underside of the board pivotally connected medially of their length and adapted for pivotal adjustment in crossed relation for pivotal supporting engagement with the board, a lateral projection at the lower end of one of the supports, and a brace releasably connecting the lateral projection and the other support.

1,982,206

ROOF TILE

John Ferreira and Antonio da Costa, Martinez, Calif.

Application December 21, 1931, Serial No. 582,294
1 Claim. (Cl. 108—10)



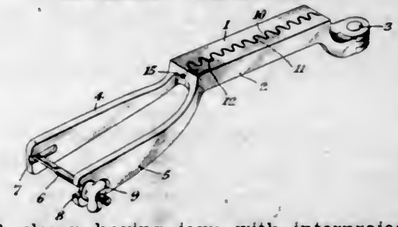
In a roof structure, the combination with relatively spaced rafters, and relatively spaced transversely disposed purlins secured to said rafters, of a plurality of tiers of tiles, the tiles of adjacent tiers being relatively staggered with their adjacent ends in overlapped relation, and the tiles of each tier having their adjacent edges in overlapped relation, each tile having its underside provided with a pair of depending, longitudinally spaced integral ears, so relatively positioned that the overlapped ends of the tiles of adjacent tiers are respectively provided with depending ears located adjacent to and on opposite sides of a purlin, and a flexible tie member having its ends secured to said purlin and its intermediate portion alternately engaged with those ears which are on opposite sides of said purlin and passed beneath the purlin at positions between the last mentioned ears and in such manner that the tiles adjacent said purlin are drawn together by a pulling tension applied to all of them.

1,982,207

CLAMPING INSTRUMENT AND PROCESS OF USING THE SAME

Henry D. Furniss, New York, N. Y.

Application December 29, 1933, Serial No. 704,455
13 Claims. (Cl. 128—346)



1. A clamp having jaws with interprojecting teeth respectively and a longitudinal pin recess formed in said teeth by grooves in the ends of the teeth facing towards the opposite jaws.

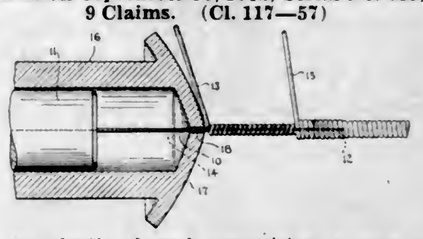
5. The method which comprises clamping disconnected intestine portions in a circuitous path, inserting a pin into the circuitous path of the material through folds thereof, then removing the clamp and stitching the material while the pin remains in the latter.

1,982,208

ELASTIC THREAD

John R. Gammeter, Akron, Ohio, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 30, 1932, Serial No. 635,528
9 Claims. (Cl. 117—57)



1. An elastic thread comprising a core consisting of a single strand of textile material wound in a helix, the convolutions of which are bonded together by an elastic material.

1,982,209

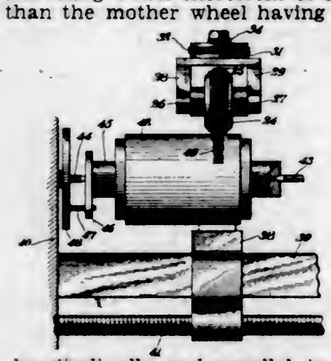
METHOD OF EMBOSSING CYLINDERS FOR THE GOFFERING OF FILMS

Alphonse Gary, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y., a corporation of Delaware

Application October 13, 1930, Serial No. 488,365
7 Claims. (Cl. 80—5.1)

1. The method which comprises making a mother wheel having goffering recesses longitu-

dinally and parallel to the axis thereof by a chisel rigidly parallel relative to the mother wheel axis and narrower than the length of the mother wheel making an intermediate impression producing embossing wheel therefrom of larger diameter than the mother wheel having goffering



recesses longitudinally and parallel to the axis thereof and then producing a goffering cylinder with goffering ridges of a width greater than the ridges on the mother wheel and intermediate wheel by moving the intermediate wheel rotatably and longitudinally of the goffering cylinder.

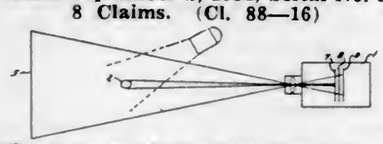
1,982,210

PHOTOGRAPHIC PROCESS

Clyde F. Gillette, New York, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application September 2, 1931, Serial No. 560,745

8 Claims. (Cl. 88—16)



1. The process of photographing comprising the steps of photographing on a film a foreground, producing an opaque surrounding portion for the photograph of said foreground, and simultaneously printing a background upon a second film in register with said first-mentioned film, by the light which produces the opacity surrounding the photograph of the foreground subject.

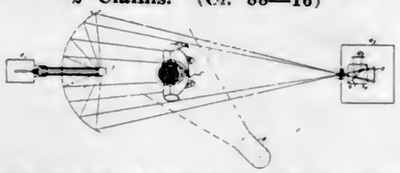
1,982,211

COMPOSITE PHOTOGRAPHIC PROCESS

Clyde F. Gillette, New York, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application September 2, 1931, Serial No. 560,746

2 Claims. (Cl. 88—16)



1. The process of simultaneously producing on separate films a detail image of a foreground object and a mask surrounding a silhouette thereof which comprises illuminating the foreground object and a plain ground therebehind with different characters of light respectively, separating the ground light from the object light by reflection, and separately and simultaneously exposing a plurality of light sensitive films to the object light and to the ground light respectively as thus separated.

1,982,212

SOLDERLESS TERMINAL CONNECTING DEVICE FOR ELECTRICAL CONDUCTORS

Emil T. Hagist, Glenside, Pa.

Application September 23, 1933, Serial No. 690,694

3 Claims. (Cl. 173—269)



1. A connecting device for electrical conductors, comprising a body portion having an internally threaded hub at one end thereof, and an internally cylindrical unthreaded inlet at the other end thereof, said inlet merging into an inwardly flaring portion which merges into an enlarged internally cylindrical chamber, in combination with a screw adapted to engage said hub, said screw comprising a cylindrical threaded shank adapted to cut a thread into and thus engage strands of wire inserted into said cylindrical chamber through said inlet and having an unthreaded tapering end portion adapted frictionally to press the corresponding portions of said strands against said inwardly flaring portion.

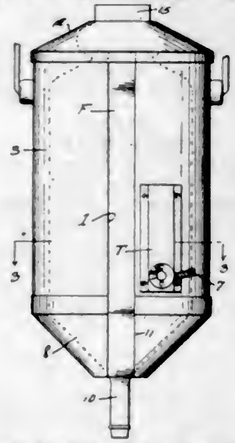
1,982,213

JACKET FOR TRANSFUSION, INFUSION, AND INJECTION FLASKS

Jesse C. Hopkins, Bedford, Va., assignor to Joseph A. Rucker and Moses P. Rucker, Bedford, Va.

Application January 30, 1934, Serial No. 709,009

8 Claims. (Cl. 219—38)



1. As a new article of manufacture, a jacket to be applied around a transfusion and infusion flask, said jacket comprising a tubular body substantially C-shaped in cross section to provide a slot extending lengthwise thereof from end to end, said slot being open at both ends, a bottom cap carried by the body having a central opening and having a slot continuing from the slot of the body to the central opening of the cap, and a potential heating element carried by the wall of the body.

1,982,214

BRACKET AND HANGER

Emma F. Hunt, Brooklyn, N. Y.

Application January 9, 1932, Serial No. 585,780

4 Claims. (Cl. 211—96)



1. In a combination coat hanger and hat stand, a base made up of a single piece of wire provided with offset loops, on each side thereof, notches and apertures formed in the offset loops, and U-shaped spring arms held rotatably in the aperture and engageable with the notches.

1,982,215

PACKAGED ARTICLE OF MANUFACTURE

Lester Kirschbraun, Leonia, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts

Application August 4, 1932, Serial No. 627,431

5 Claims. (Cl. 206—60)



2. As an article of manufacture, a bundle of roofing elements assembled in face to face relationship with their edges flush, said bundle being jacketed in a layer of asphaltic coating material completely covering all edges of the elements in the bundle the elements being adapted to be stripped from the bundle while leaving said edge coatings thereof intact.

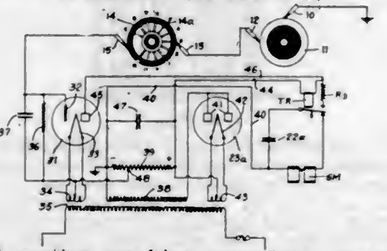
1,982,216

SORTING MACHINE

Gunne Lowkrantz, Endicott, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 12, 1933, Serial No. 665,656

11 Claims. (Cl. 209—110)



7. A sorting machine comprising means for feeding records in succession, a sorting brush for sensing designations in said records, sorting mechanism including a sorting magnet, a condenser having sufficient capacity to operate the sorting magnet, said sorting brush, sorting magnet and condenser together forming a series circuit whereby the sensing of a designation by the sorting brush causes the condenser to discharge through said brush and sorting magnet to operate the latter, and a device for charging the condenser prior to beginning the sensing of each record.

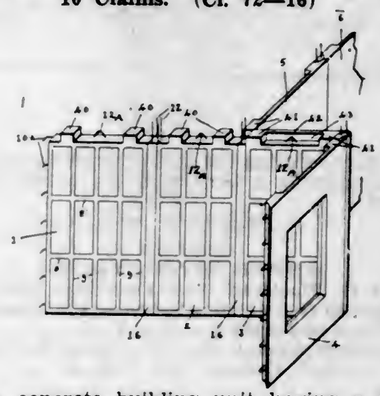
1,982,217

UNIT CONCRETE WALL CONSTRUCTION

Henry H. Luehrs, Rochester, N. Y.

Application November 8, 1928, Serial No. 318,082

10 Claims. (Cl. 72—16)



1. A concrete building unit having a frame comprising a concrete web and a series of horizontal and vertical concrete ribs or flanges on one side thereof forming pockets between them open on one side, said pockets being all arranged on one side of the web and in parallel rows and in columns at right angles thereto and being filled with a light porous composition adapted to resist the transmission of heat and sound.

1,982,218

METHOD OF MAKING GOLF AND OTHER PLAYING BALLS

Patrick Alphonsus Martin, Birmingham, England

Original application June 3, 1933, Serial No. 674,236. Divided and this application November 15, 1933, Serial No. 698,068. In Great Britain June 4, 1932

5 Claims. (Cl. 154—17)



1. A method of manufacturing a golf or like ball consisting in winding unlubricated strip rubber under tension upon a core, lubricating the exterior of said rubber winding after being wound, enclosing the core and lubricated winding within an elastic envelope, sealing the elastic envelope, winding further strip rubber upon the envelope, and moulding an outer cover upon the said outer winding.

1,982,219

EARTH WORKING MACHINE

Jallie McAlister, San Francisco, Calif., assignor of one-fourth to M. Mitchell Bourquin, San Francisco, Calif.

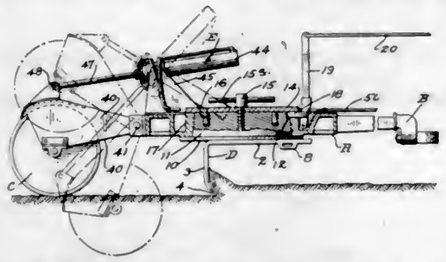
Application April 18, 1932, Serial No. 605,923

Renewed April 5, 1934

10 Claims. (Cl. 37—168)

5. A machine of the character described comprising a frame, a drawbar secured to the front

of the frame, a pair of wheels supporting the rear of the frame, a post adapted to be secured to the frame, an earth carrier secured to the post,



and hasps securing the earth carrier to the frame and supporting a portion of the weight of the carrier.

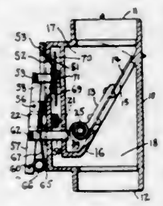
1,982,220

POWER SAVING VALVE

James G. Maclaren, San Francisco, Calif., assignor to G & G Atlas Systems, Inc., New York, N. Y., a corporation of New York

Application August 12, 1931, Serial No. 556,598

7 Claims. (Cl. 243—9)



3. In a pneumatic tube system, a vane-valve controlling the flow of air, a latch directly responsive to the pressure on the low pressure side of the valve for retaining said valve in closed position, a motor to open the valve, said motor exerting maximum force at the moment of opening the valve and applying a lesser force to hold said valve open until the valve is closed by the surge of air that follows a carrier delivery.

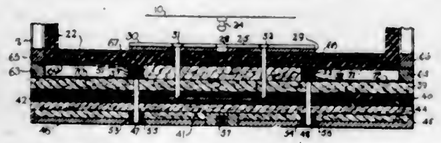
1,982,221

SOUNDPROOF CASING FOR MOTION PICTURE CAMERAS

Charles E. McClay, Los Angeles, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application October 10, 1932, Serial No. 637,063

8 Claims. (Cl. 248—16)



5. A sound proof camera casing comprising the combination of a camera plate within said casing, said casing having a metallic bottom wall member, a floating plate below said member, means for connecting said camera plate to said floating plate, resilient means between said camera plate and said floating plate, resilient means at opposite sides of said floating plate, a tripod plate, and means for resiliently connecting said tripod plate to a portion of said member for compressing said second-mentioned resilient means.

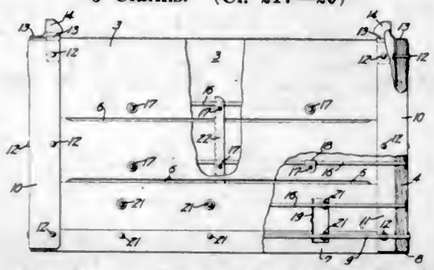
1,982,222

CRATE

Sidney A. McGaw, Albany, Calif.

Application January 3, 1933, Serial No. 649,747

6 Claims. (Cl. 217—20)



1. A crate comprising side and end walls, channel members capping the edges of said walls, and angle members at the corners formed by the junctions of said walls and lapping the channel members, said channel members being narrowed at their ends to provide recesses in which the angle members may seat.

1,982,223

METHOD OF PURIFYING CARBON DIOXIDE GAS

Floyd J. Metzger, New York, N. Y., and Arthur A. Backus, South Orange, N. J., assignors, by mesne assignments, to U. S. Industrial Alcohol Company, New York, N. Y., a corporation of West Virginia

No Drawing. Application March 14, 1931, Serial No. 522,776

4 Claims. (Cl. 23—150)

2. The method of treating carbon dioxide gas to remove odors and moisture therefrom which comprises compressing the gas and subjecting it to activated carbon and porous granular aluminum oxide.

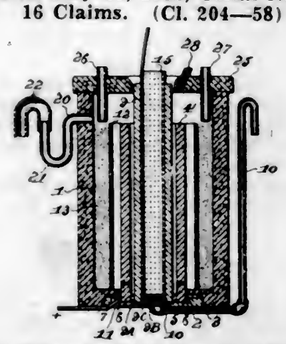
1,982,224

ELECTROLYTIC CELL

William G. Michel, Niagara Falls, N. Y.

Application July 25, 1932, Serial No. 624,391

16 Claims. (Cl. 204—58)



1. In an electrolytic cell, the combination of a jar having an opening in the bottom thereof, a tubular electrode sealed in said opening, a copper and a lead ring by which said tubular electrode is sealed in said opening, a tubular diaphragm placed inside of the electrode and concentric therewith, an annular packing material sealing the opening between the end of the electrode and the end of the diaphragm, a tubular metallic lining inside of the diaphragm, a pipe inserted in the bottom of the diaphragm, packing between the pipe and the bottom of the diaphragm, said pipe passing out under the cell and extending up along the outside of the cell and having the upper end thereof turned down.

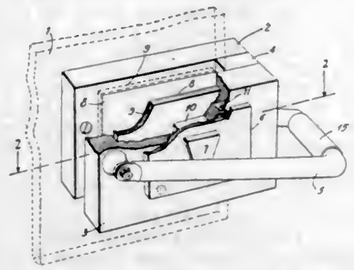
1,982,225

LIFTING DEVICE

William Miller, New York, N. Y.

Application December 11, 1933, Serial No. 701,799

6 Claims. (Cl. 294—86)



1. A lifting device for a slab of material comprising a pair of rectangular shaped, parallel, movable plates spaced apart so as to enable the slab to rest therebetween, a rubber pad on the sides of said plates adapted to face the slab, a graduated metallic contact element in fixed relation to each of said plates and connected thereto, a metallic U-shaped handle whose arms are arranged to engage said contact elements and thus cause pressure to bear inwardly on said plates as said handle is raised, and a pair of parallel wooden supports which are stationary with respect to one another for supporting said pair of plates, said supports being affixed to each other at one of their similarly located edges, the arms of said U shaped handle being secured to the opposite edges.

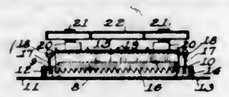
1,982,226

BUBBLE CAP

Donald A. Monro, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application November 11, 1932, Serial No. 642,199

12 Claims. (Cl. 261—114)



1. A bubble cap for the vapor risers of a bubble tray, said cap having substantially greater length than width, the roof of which deviates horizontally to form a surface which will shed liquids to the sides thereof, and a plurality of dams disposed upon the roof of said cap, the upper edge of said dams extending above and parallel with the normal level of said liquid.

1,982,227

COMPOSITION OF MATTER

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Original application July 14, 1931, Serial No. 550,808. Divided and this application June 16, 1932, Serial No. 617,610. In Great Britain August 28, 1930

9 Claims. (Cl. 134—79)

1. Coating and impregnating compositions comprising a cellulose ester and more than 100 parts of a tartrate ester plasticizer per 100 parts of cellulose ester, the said cellulose ester constituting the major proportion of the solid constituents of the composition.

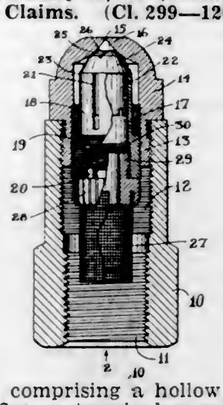
1,982,228

NOZZLE

Thomas W. Murphy, Bala-Cynwyd, Pa., assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa., a corporation of Delaware

Application January 30, 1934, Serial No. 708,946

15 Claims. (Cl. 299—120)



8. A nozzle comprising a hollow tip having a discharge orifice, a terminal member, and laterally yielding means carrying the terminal member and tending to force the member into positive centering engagement with the hollow of the tip and the discharge orifice.

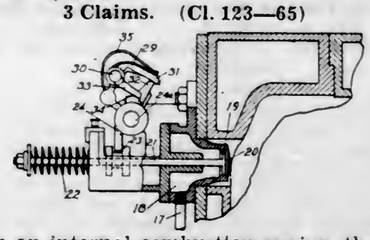
1,982,229

GAS ENGINE

Harry D. Murray, Grove City, Pa., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio

Continuation of application Serial No. 237,421, December 3, 1927, now Patent No. 1,791,969, dated February 10, 1931. This application February 9, 1931, Serial No. 514,462. Renewed October 8, 1934

3 Claims. (Cl. 123—65)



3. In an internal combustion engine, the combination of a cylinder head adapted to close a combustion chamber, said head having a fuel valve opening; a fuel valve fitting having a fuel valve chamber, said fitting being secured on the head and having a valve seat on its inner end; a valve mechanism mounted on the fitting and comprising a fuel valve operating on said seat; a stem extending through the fuel valve chamber; a rock arm actuating the stem; a shaft on which the rock arm is secured; a latch arm secured on the shaft; a latch operating on the latch arm; an actuating arm journaled on the shaft, the latch being pivotally secured to and actuated by the actuating arm; a cam finger on the latch; and a cam on the fitting on which the finger rides.

1,982,230

LOADING DEVICE FOR STRAPPING MACHINES

Norman F. Parker, San Bernardino, Calif.

Application April 28, 1933, Serial No. 668,408

4 Claims. (Cl. 140—93)

1. In a strapping machine for applying prepared metal straps to articles, including a magazine on said machine for holding a supply of

prepared metal straps and feeding mechanism for feeding said straps from said magazine to said machine, the combination of means for loading straps into said magazine in aligned order including a form having a length equal to the length of said straps and having end portions thereon forming a sliding guide support for the



ends of said straps whereby a predetermined number of straps may be assembled on said form in a predetermined order, and means on said magazine for engaging said form to guide the end sections thereof into alignment with said magazine whereby the straps on said form may be slidably moved into said magazine without disturbing the order thereof.

1,982,231
ASPHALTIC COATING COMPOSITION AND MATERIALS COATED THEREWITH
Arthur N. Parrett, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 24, 1930, Serial No. 497,837
7 Claims. (Cl. 91—70)

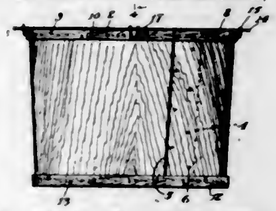
1. A process for making artificial leather which comprises applying over a rubber coated fabric sheeting a varnish coating comprising drying oil, asphalt, a solvent for the asphalt, an organic iron compound soluble in said solvent, and baking the resulting product, the organic iron compound being present in such an amount to increase the compatibility of the asphalt with the oil so that 100 pounds of the asphalt may be mixed in homogeneous blend with at least 320 pounds of the oil.

1,982,232
SECURING FASTENERS TO UPHOLSTERED TRIM PANELS
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application February 8, 1932, Serial No. 591,744
2 Claims. (Cl. 45—138)



1. The method of interlocking a snap fastener, having a head in the form of a hook the outer arm of which is longer than the inner arm thereof, to trim panels; which consists in forming an opening of insufficient length to permit the passage of the outer arm of the hook directly therethrough but approximating the length of the inner arm of the fastener, positioning the fastener so that the longer arm thereof extends angularly across said opening, moving said larger arm through said opening until the end of the inner arm abuts against a wall defining said opening, rocking said fastener about the point at which said arm contacts with said wall until the arms are approximately parallel with the surfaces of the panel, and then hooking the fastener on the panel by a substantially straight-line movement in the direction of the length of said arms.

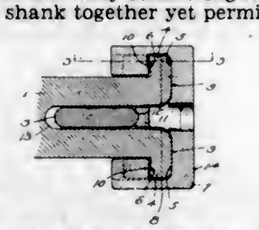
1,982,233
PLYWOOD CONTAINER
Allen Quimby, Portland, and Samuel J. Antworth, Houlton, Maine, assignors to Northern Maine Plywood Company, Portland, Maine, a corporation of Maine
Application October 21, 1930, Serial No. 490,240
10 Claims. (Cl. 217—1)



10. As an article of manufacture, a hoopless impervious cover, a container body underlying the cover and having round or curved side walls formed from a single sheet of cross grain plywood material, forming a practically one piece body with a larger end for said cover and with a permanently stitched longitudinal joint at one side thereof and capable in itself of maintaining its shape and form, outside hoops each having an inner end butted squarely against the outer edge of said joint, said material comprising a plurality of plies of wood veneer solidly adhering to each other, with the grain of the outside ply extending up and down or vertically of the container and forming in effect an annular stay to prevent the top and bottom of the container from breaking apart, with the grain of the wood of an inner ply extending circumferentially of the container and forming in effect an annular hoop to prevent longitudinal splitting of the container, and with end portions of the sheet overlapped to form a lap-joint or seam at one side of the container, said grain of the wood forming a clean outer multi-ply edge for said lap-joint or seam, together with an impervious bottom for the smaller end of said body co-operating with said cover and side walls to form a thoroughly tight container.

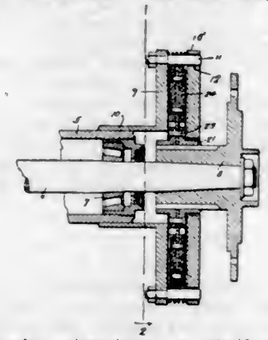
1,982,234
RAILWAY DRAFT APPLIANCE
William J. Regan, Wilkinsburg, and Enoch George, Jr., Pittsburgh, Pa., assignors to The McConway & Torley Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1928, Serial No. 257,319
4 Claims. (Cl. 213—69)

3. In a draft appliance, the combination of a coupler shank having a slotted end forming spaced jaws, said jaws having a buffing surface at the rear thereof, and a buffing piece having a surface cooperating with the buffing surface of said jaws and being provided with flanges overhanging said jaws, said jaws having means cooperating with said flanges for interlocking said shank and buffing piece for removably connecting said buffing piece and said shank together yet permitting un-



restricted relative horizontal angular movement therebetween, said buffing piece having a tongue received in said slot and forming a seat for a key passing through said slot.

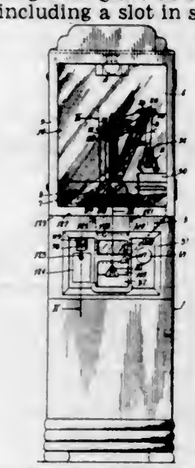
1,982,235
BRAKE
Herbert Edmond Shepherd, Trail, British Columbia, Canada
Application February 17, 1934, Serial No. 711,790
1 Claim. (Cl. 188—72)



In a brake structure, a stationary disk, a secondary disk, a movable disk for rotation between the first mentioned disks, and means for moving the second mentioned disk toward the first mentioned disk to frictionally engage the third mentioned disk between the first two mentioned disks, said means comprising bolts fixed in the second mentioned disk and extending through openings in the first mentioned disk, sleeves threadedly mounted in said openings and disposed about the bolts, plates on the sleeves, a plurality of rods pivotally connected to corners of the plates and crossing each other and one of the plates having a lever which when actuated will cause the rocking of the plates and sleeves in similar directions.

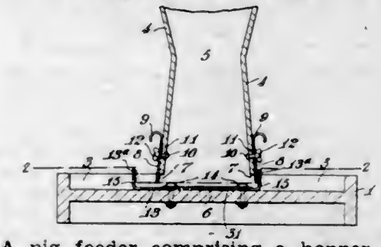
1,982,236
VENDING MACHINE
Carl R. Simpkins, Inglewood, Calif., assignor to John Franklin Meyer, Pasadena, Calif.
Original application March 3, 1933, Serial No. 659,489. Divided and this application June 5, 1934, Serial No. 729,048
3 Claims. (Cl. 221—146)

1. In a vending machine, a cabinet having a front wall, an article supporting platform, extending from said front wall and having a delivery chute communicating therewith, a discharge end on said delivery chute extending through the front wall of said cabinet, a closure for said discharge end of said chute accessible through the front wall of said cabinet, a sight opening in said front wall communicating with said discharge end of said delivery chute in advance of said closure, a glass for closing said sight opening, and means mounting said glass in said front wall of said cabinet including a slot in said cabinet front



wall extending from said delivery platform, and blocking means extending from said platform and accessible from said platform for holding said glass in said slot.

1,982,237
PIG FEEDER
Josiah William Tomkins, Apethorpe, Peterborough, England
Application March 7, 1934, Serial No. 714,438
In Great Britain September 9, 1932
6 Claims. (Cl. 119—53)

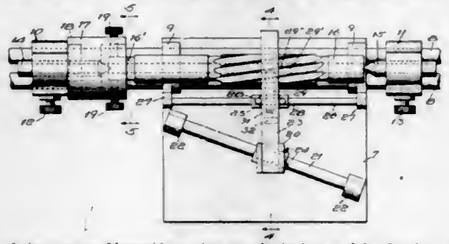


1. A pig feeder comprising a hopper fixedly supported above a pair of feeding troughs situated one on each side of the hopper and a snout-operated feed plate having a solid area which is greater in length than the distance between the lower ends of the front and rear walls of the hopper, said feed plate being slidably supported in a position in which it is spaced below the open bottom of the hopper, and being mounted for movement across the said open bottom of the hopper so that in each of its extreme positions a portion of the solid area of the plate projects into a trough.

1,982,238
HONING DEVICE
Johannes A. Vogel and George C. Warner, La Porte, Ind., assignors to The Deluxe Products Corporation, La Porte, Ind., a corporation of Indiana
Application May 22, 1931, Serial No. 539,170
20 Claims. (Cl. 51—59)

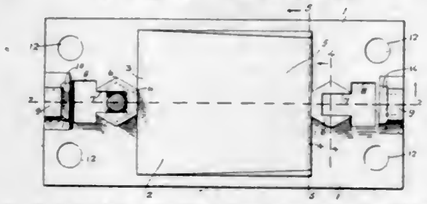
1. A sharpening device comprising a support for revolvably centering a tool having spiral blades in position to be sharpened, a non-rotating sharpener initially positioned transverse of the

tool and adapted to operate in contact with the tool reciprocally conjointly with a longitudinal movement, a sharpener guide mounting for constraining the sharpener to a path oblique to the axis of the tool cooperating with a travelling guide for determining the limit of rotation of the



tool in one direction to maintain a blade in operative relation to the sharpener during its movement co-operating with a resilient rotating means comprised in a headstock attached to the tool for maintaining a blade in operative relation to the sharpener during its reciprocal movements.

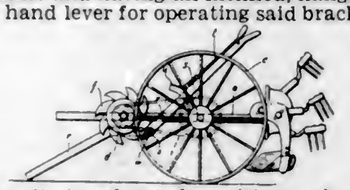
1,982,239
TIE PLATE
Gilbert H. Werner, Portage Township, Porter County, Ind.
Application February 26, 1932, Serial No. 595,389
4 Claims. (Cl. 238—304)



1. A tie plate comprising a relatively thin and flat unitary plate, a raised area on the upper surface inclined in one direction and curved in a direction approximately at right angles to the incline adapted to receive the weight of passing traffic, a corresponding recess on the under side of the plate, and a reinforcing margin of the unitary plate enclosing the raised area, said plate being provided with rail positioning and fastening means within the reinforcing margin.

1,982,240
WEED-CUTTER IN CONNECTION WITH POTATO-DIGGERS
Oswald Werner, Muschwitz, Germany
Application March 14, 1933, Serial No. 660,692
In Germany February 10, 1933
3 Claims. (Cl. 55—64)

1. A weed-cutter in connection with a potato-digger of conventional type, having a machine frame and a transverse main shaft rotated by the wheels of the machine, comprising a second shaft disposed in bearings at the forward part of the machine frame, a cutting device keyed to the said shaft on the left-hand, outwardly projecting end thereof, said cutting device comprising a disk and a plurality of forwardly-curved cutting knives mounted on the periphery of said disk, means for imparting rotary motion to said shaft and said disk-knives, this means comprising a sprocket-wheel keyed to the right-hand, outwardly projecting extremity of said second shaft, another sprocket-wheel slidably mounted on a sleeve carried by the main shaft of the machine, a chain connecting both said sprocket-wheels with each other, means for coupling said slidably-mounted sprocket-wheel with the revolving main shaft, a bracket pivotally mounted at the forward part of the machine and having an inclined, hanging position, a hand lever for operating said bracket and

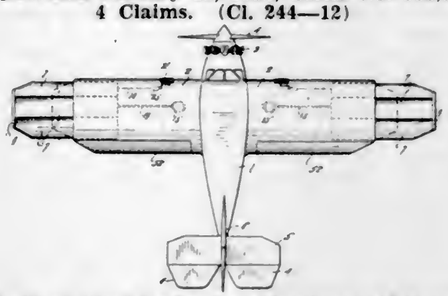


adjusting it in elevated positions above the ground, the said bracket co-operating with said cutting device, being adapted to lift the weeds, to hold them in upright position and to bring them within reach of the rotary cutting device.

1,982,241
PROCESS FOR REMOVING SODIUM HYDROXIDE FROM MIXTURES THEREOF WITH POTASSIUM HYDROXIDE
Charles Julian Aydelotte, Wilmington, Del., Waldo R. Caverly, Carneys Point, N. J., and Walter H. Wright, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1933, Serial No. 663,650
9 Claims. (Cl. 23—184)

1. A process of removing caustic soda from a mixture thereof with caustic potash, which comprises treating a solution of the mixed caustic with sulfur dioxide and separating the sodium sulfite which forms.

1,982,242
WING STRUCTURE
Giuseppe M. Bellanca, New Castle, Del.
Application January 11, 1932, Serial No. 586,010
4 Claims. (Cl. 244—12)

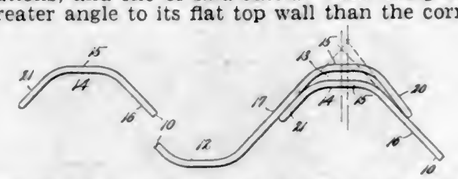


1. In an airplane having a fuselage and a main wing on each side thereof, a plate positioned within a slot in the leading edge of each wing, a lever, a rod connected to said lever, a plurality of auxiliary wings connected to said rod and means associated with said rod to complete an electric circuit upon actuation of the plate by air pressure.

1,982,243
CORRUGATED SHEET
George E. Black, Sewickley, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1930, Serial No. 495,454
1 Claim. (Cl. 189—85)

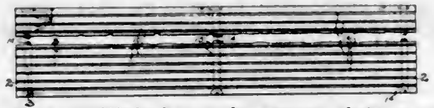
A corrugated metal sheet having in its body portion substantially V-beam corrugations of substantial depth provided with substantially straight inclined side walls and with substantially flat top

and bottom horizontal walls, and substantially V-beam corrugations of lesser depth at the opposite sides of said sheet having substantially flat top and substantially straight inclined side walls, the outside walls of said outside corrugations being of less width than the width of the corresponding walls of the intermediate deeper corrugations; and one of said outside walls being at a greater angle to its flat top wall than the corre-



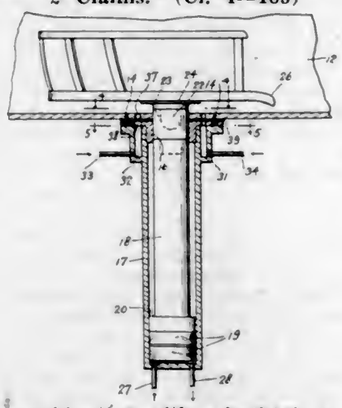
spondingly inclined walls of the intermediate deeper corrugations are to their flat top walls, said angle being sufficiently great to enable the outside walls of metal sheets of material tensile strength to resist the spring back of said outside walls toward the horizontal and thereby enable the corrugated metal sheets to be made from flat metal sheets varying materially in tensile strength and yet effect a weather-tight joint with an underlying corrugated sheet.

1,982,244
PULP SCREEN PLATE
George W. Davis, Seattle, Wash.
Application November 27, 1929, Serial No. 410,048
Renewed April 23, 1934
4 Claims. (Cl. 92—30)



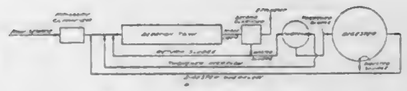
1. In a multiple bar pulp screen plate, a plurality of bars of T shaped cross section throughout their entire length, having straight edges at both sides of their top flanges arranged to cooperate to form narrow slots, spacer arranged to be interposed at intervals between said bars to maintain said bars in spaced apart relation, said spacers having wider parts fitting between the bottom webs of said bars and narrower parts fitting between the top flanges of said bars, and tie rods for releasably securing a plurality of said bars together to form a screen plate.

1,982,245
HYDRAULIC LIFT FOR BATHTUBS
George Feulner, Boulder City, Nev.
Application January 17, 1934, Serial No. 707,025
2 Claims. (Cl. 4—185)



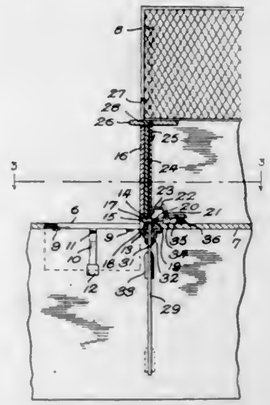
1. In combination with a bathtub, a cylinder having a fluid pressure inlet and outlet, a piston operative in the cylinder in response to the fluid pressure, said piston being provided with an upstanding stem, a flanged plug secured to the bottom of the tub, said plug being externally threaded and provided with an opening therethrough for snugly and slidably receiving the said stem, said cylinder being internally threaded at its upper end to engage over the threaded plug, said tub having an opening in the bottom thereof registering with the opening in the said plug and through which the stem is slidable, and a seat structure mounted upon the upper end of the stem.

1,982,246
DIGESTION OF SEWAGE SLUDGE
Anthony J. Fischer, New York, N. Y., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application October 11, 1930, Serial No. 487,989
4 Claims. (Cl. 210—8)



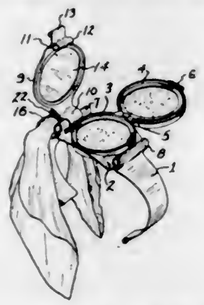
1. A sewage sludge treating apparatus comprising an aeration tank, a secondary clarifier into which sludge from the aeration tank is adapted to pass, an acid-conditioning decanting thickener for receiving sludge from the clarifier, and a digester for receiving sludge from the thickener.

1,982,247
BANKER'S PROTECTIVE APPLIANCE
James P. Foley, Timmins, Ontario, Canada
Application September 17, 1930, Serial No. 482,546
2 Claims. (Cl. 20—1.01)



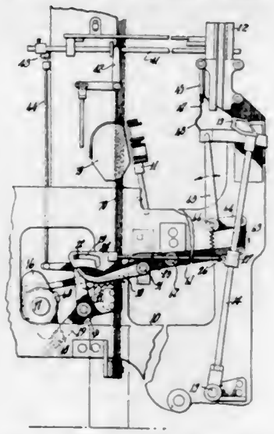
1. A banker's protective appliance including a bell crank member having a depending and a horizontal arm fulcrumed in the lower portion of the front wall of a bank official's cage; a latch member formed on the depending arm of said bell crank member and engaging beneath drop doors in the floor in front of the cage; the horizontal arm of said bell crank member being longitudinally slotted and extended into the bottom of the cage; a releasing pedal fulcrumed on the floor within said cage loosely connected to the slotted arm of said bell crank member; and means to resiliently maintain said releasing pedal in unoperated position.

1,982,248
HANDKERCHIEF CARRYING VANITY ACCESSORY
Edwin Gebhardt, Cincinnati, Ohio
Application July 27, 1932, Serial No. 625,154
14 Claims. (Cl. 132—83)



1. An accessory of the character described, comprising a case, a handkerchief retaining member located adjacent to the case, and resilient means curved down from said case for retentively contacting with the wrist of the user, said means connecting said retaining member to said case.

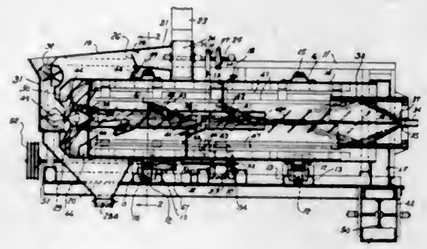
1,982,249
WEFT REPLENISHING MECHANISM FOR AUTOMATIC LOOMS
Albert A. Gordon, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 20, 1933, Serial No. 681,272
7 Claims. (Cl. 139—232)



1. In a weft replenishing loom, a magazine, a transfer member movable rearward under said magazine to present a selected bobbin in transfer position, means to hold said transfer member in fixed rearward position as the lay moves forward to effect the bobbin change, and a cam operated device effective to thereafter release said holding means.

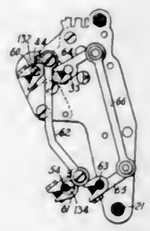
1,982,250
PORTABLE DRIER
Charles V. Hallenbeck, Denver, Colo.
Application November 17, 1932, Serial No. 643,107
6 Claims. (Cl. 34—6)

1. A drier of the character described including a drum open at its opposite ends, means for feeding material into one end of said drum as it is rotated, means for causing the material to feed along the drum as the drum is rotated to discharge material at the other end of the drum, a nozzle discharging a heating jet of combustible



material axially through the central portion of the drum, the nozzle being located at one end of the drum, and a tubular combustion chamber extending axially of the drum and spaced from the nozzle and into which said jet is discharged and ignited.

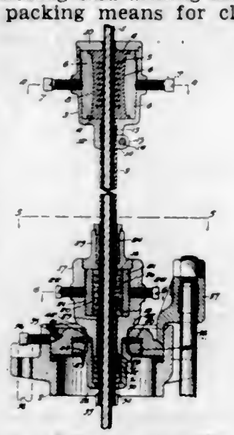
1,982,251
COMPUTING MACHINE
Frederick A. Hart, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Original application January 21, 1927, Serial No. 162,473. Divided and this application October 1, 1931, Serial No. 566,188
3 Claims. (Cl. 287—52.02)



1. In a computing machine, the combination with a rock shaft, a link, and an arm on said rock shaft and pivotally connected with said link, of means for adjusting said arm both as to its length and as to its position rotatively relative to said shaft and for securing said arm to said shaft in adjusted relation, said adjusting and securing means comprising a split sleeve on said shaft and having its exterior cylindrical surface eccentric to its bore, a split hub for said arm surrounding said sleeve, and a clamp screw for tightening said hub against said sleeve and thereby tightening said sleeve against said shaft.

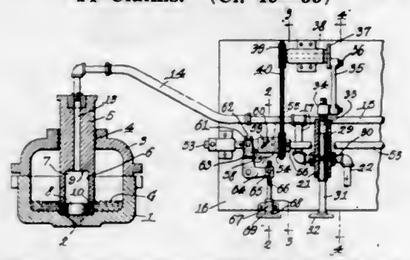
1,982,252
OIL SAVER
Alfred G. Heggem, Tulsa, Okla.
Application February 27, 1931, Serial No. 518,803
17 Claims. (Cl. 166—14)

1. An oil saver involving a stuffing box, a hollow polished rod secured to and extending downwardly from said stuffing box, said stuffing box and polished rod being adapted to receive a drilling line, flexible packing means within said stuffing box for packing said drilling line, means including said packing means for clamping said



stuffing box to said line, and stuffing box means slidably mounted on said polished rod.

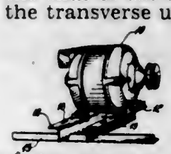
1,982,253
AUTOMATIC GLASS FEED
Carl G. Hilgenberg and Charles B. Garwood, Baltimore, Md., assignors to Carr-Lowrey Glass Co., Baltimore, Md.
Application March 4, 1931, Serial No. 520,077
14 Claims. (Cl. 49—55)



1. The combination with a forehearth for holding molten glass, of apparatus for feeding molten glass including a tubular member extending upwardly from the bottom of the forehearth and providing a suction chamber having an outlet for glass at its bottom and an inlet spaced above its bottom, a float in the tubular member for closing the inlet and outlet, automatic means for establishing a suction in said chamber to actuate the float and draw a portion of molten surface glass through the inlet, automatic means for breaking the suction, means for automatically subjecting the float in the chamber to the action of air under pressure to eject a portion of the glass through the outlet, and means for advancing or retarding the time of operation of the suction and pressure controlling means.

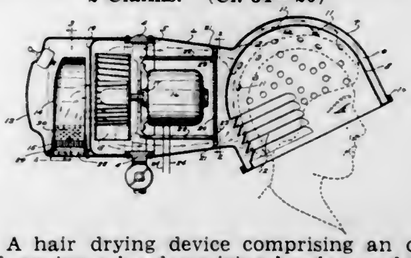
1,982,254
BASE FOR DEVICES
Karl F. Juengling, Lakewood, Ohio, assignor to The Otto Konigslow Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 22, 1934, Serial No. 707,720
2 Claims. (Cl. 308—11)

1. A mounting for a device that is adapted to be adjustably positioned upon a support having a transverse upwardly projecting portion comprising, in combination, two relatively long spaced members, each being constructed of an angle member having two flanges, one of the two flanges of each spaced member being adapted to be connected to the device, and the other flange of each spaced member being disposed to project downwardly and being provided along its lower longitudinal edge with a plurality of spaced engaging notches that are adapted to engage the transverse upwardly projecting portion, the arrangement of the two spaced members, the upwardly projecting portion, and the support being such that one set of the ends of the two spaced members rests upon the support and that the other set of the ends of the two spaced members rests upon the transverse upwardly project-



ing portion, whereby one set of the engaging notches engages the upwardly projecting portion, thus affording an easy adjustment of the device in a transverse direction by moving the two spaced members sidewise along the transverse upwardly projecting portion and the support and in a longitudinal direction by simply lifting the set of ends of the two spaced members that rest upon the transverse upwardly projecting portion and then shifting the said spaced members in a longitudinal direction to cause a new set of notches to engage the upwardly projecting portion.

1,982,255
HAIR DRIER
Henry W. Knoll, Minneapolis, Minn.
Application July 16, 1932, Serial No. 622,843
2 Claims. (Cl. 34—26)

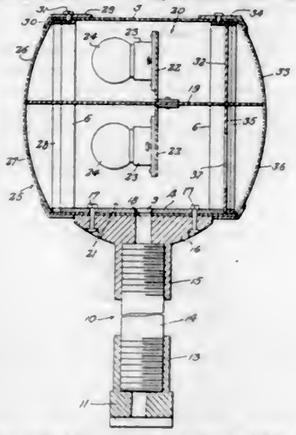


1. A hair drying device comprising an outer hood, an inner head receiving hood spaced from the outer hood to form an air distributing chamber between the hoods, means for delivering air through the hood to said distributing chamber, said inner hood at its upper portion being formed with perforations adapted to deliver air directly onto the upper portion of the hair of persons being treated and at its lower rear portion said inner hood being formed with approximately semi-circular upwardly and inwardly opening louvers that will direct air upwardly and inwardly against the downwardly directed and usually relatively thick lower back portions of the hair with a kind of hair raising action.

1,982,256
AUTOMOBILE SIGNAL LIGHT
Alexander Lawrence, Pawtucket, R. I.
Application August 4, 1932, Serial No. 627,489
1 Claim. (Cl. 177—329)

A signal light of the class described comprising a casing open at its ends and formed from a flat sheet rolled to substantially tubular form with its ends in abutting engagement, a plate mounted on the inner side of one end portion of the sheet and projecting therefrom over the other end portion of said sheet and fixed thereto

for securing the ends of said sheet together, and a pair of spaced legs integral with the plate and secured to the sheet, the free ends of the legs being spaced from the adjacent end of the sheet



and abutting the projecting edge of the plate, the plate and legs being spaced inwardly from the ends of the casing and providing abutments for supporting closures.

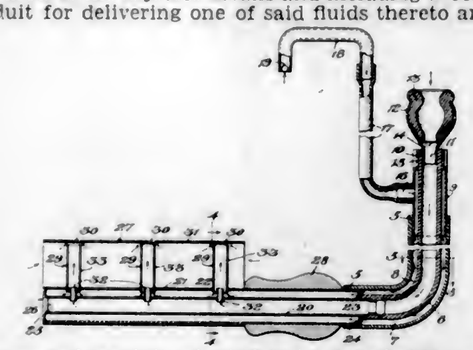
1,982,257
KNITTING MACHINE AND METHOD FOR MAKING OPEN-WORK FABRIC
Nathan Levin, Trenton, N. J., assignor to H. Brinton Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 1, 1931, Serial No. 554,570
7 Claims. (Cl. 66—95)



6. In a circular knitting machine, a needle bed, independent needles therein, a finger bed spaced from said needle bed, sinker loop spreaders pivotally supported by said finger bed in operative relation to the needles, a spring ring acting on said fingers below their pivots to move them to idle position, and selective means acting on said fingers above their pivots.

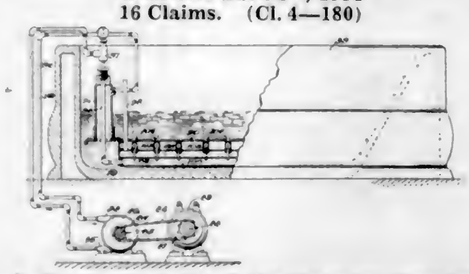
1,982,258
BATH APPARATUS
John S. Martin, Atlantic City, N. J., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J., a corporation of New Jersey
Application February 19, 1931, Serial No. 517,089
Renewed March 1, 1934
23 Claims. (Cl. 4—180)

1. In apparatus of the character described, a guard or casing, injector means in the guard or casing and adapted to discharge a mixture of gas and liquid from said guard or casing through one or more openings therein, and flexible means secured to the injector means and including a conduit for delivering one of said fluids thereto and



a second conduit adapted to be detachably connected with a source from which the other of said fluids may be delivered under pressure through the last named conduit to said injector means.

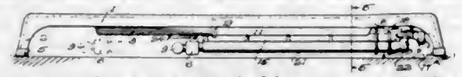
1,982,259
BATH APPARATUS
John S. Martin, Atlantic City, N. J., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J., a corporation of New Jersey
Application February 19, 1931, Serial No. 517,090
Renewed March 1, 1934
16 Claims. (Cl. 4—180)



5. In an apparatus of the character described, a manifold having two compartments of substantially rectangular cross section extending one on or beside the other, injector devices on the manifold and each comprising two concentric nozzles extending one within the other in communication with the two compartments respectively, a hollow guard or casing for the manifold and the injector devices and provided with openings through which a mixture of gas and liquid may be discharged under liquid in a tub or pool and against the body of a person therein, and flexible means for connecting the manifold compartments with two sources of fluid respectively one of which is delivered under pressure through the inner nozzles and the compartment connected therewith.

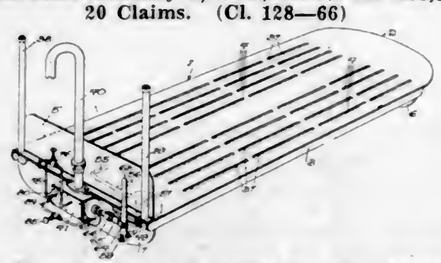
1,982,260
BATH APPARATUS
John S. Martin, Atlantic City, N. J., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J., a corporation of New Jersey
Application September 30, 1931, Serial No. 566,105
34 Claims. (Cl. 128—66)

1. In apparatus of the class described, the combination of injector means for discharging fluid jets adapted to provide a fluid massage, means for supplying fluid thereto, means for moving said injector means translationally with power supplied from a common source with said injector means whereby the region of application of the jets to the body of a patient is caused to move,



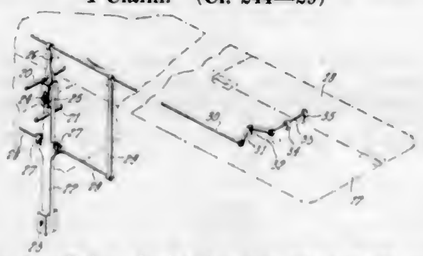
and control means actuated by movement of said injector means automatically controlling the action of said injector moving means and said injector means.

1,982,261
BATH APPARATUS
John S. Martin, Atlantic City, N. J., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J., a corporation of New Jersey
Application January 8, 1932, Serial No. 585,614
20 Claims. (Cl. 128—66)



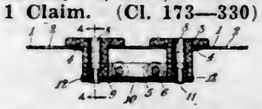
1. In apparatus of the class described, the combination of a slotted table, a pair of injector units movably mounted beneath said table and having jets discharging through said slots, means for supplying fluid to said jets, and means for reciprocating said units, said units moving in opposite directions.

1,982,262
TOY AEROPLANE STABILIZER
Willy Meinert, Brooklyn, N. Y.
Application April 5, 1933, Serial No. 664,473
1 Claim. (Cl. 244—29)



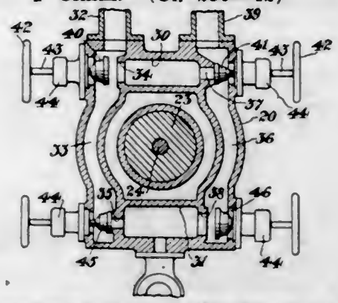
An equalizing device for toy aeroplanes comprising a weighted pendulous lever having a pair of opposed lateral ears, a second lever pivoted in a plane above the fulcrum of the first named lever, operative connections between said levers intermediate the pivotal points thereof, rods hooked in said eyes, vertical arms rigidly attached at the extremities of said rods, a bar extending longitudinally and closely adjacent over the aeroplane wings, said bar being rigidly connected to the upper ends of said arms and passing through the upper extremity of the second named lever, a pair of bell-crank levers pivoted in opposed relation on the surface of an aeroplane wing, one of the arms of the said levers connecting with the ends of said rod, bearings fixed on the surface of the aeroplane wing, bars slidably mounted in said bearings attached to the free ends of said bell-crank levers, and brackets attached to ailerons hingedly engaged in said wing and actuated by the rear ends of the last named rods.

1,982,263
RECEPTACLE FOR ELECTRIC PLUGS
Bernard F. Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application July 14, 1930, Serial No. 467,757
1 Claim. (Cl. 173—330)



A receptacle comprising a front supporting plate having provision for attachment to a support, said plate having a pair of spaced openings, a pair of separate socket members received within said openings and extending rearwardly from said plate, means for securing said socket members to said plate, an insulation strip interconnecting the rear portions of said socket members, terminal members extending into said socket members and positioned between said front plate and said insulating strip, a metal plate overlying said insulating strip and having its edges terminating in spaced relation to said front plate, and means securing said insulating strip and said overlying plate to said socket members.

1,982,264
COMPRESSOR CONTROLLING DEVICE
Julius Naab, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application October 19, 1933, Serial No. 694,239
1 Claim. (Cl. 230—42)

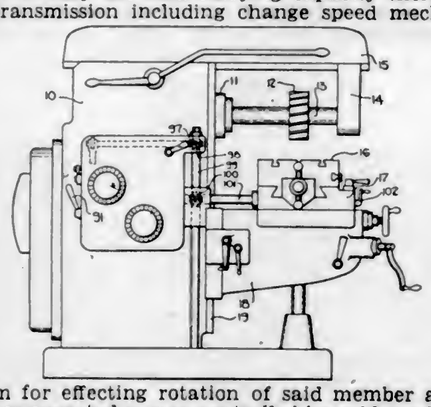


In a compressor, a cylinder having a piston chamber and inlet and discharge chambers, inlet and discharge conduits each being communicable with the inlet and discharge chambers, a pair of valves associated with the inlet conduit, one valve controlling communication between the inlet conduit and the inlet chamber and the other valve controlling communication between the inlet conduit and the discharge chamber, and a second pair of valves associated with the discharge conduit, one valve of said second pair controlling communication between the discharge conduit and the inlet chamber and the other valve of said second pair controlling communication between the discharge conduit and the discharge chamber, one valve of each pair being opened to cause the fluid to follow its normal course from the inlet conduit through the piston chamber to the discharge conduit and being closed and the other valves of each pair being opened to cause a reverse flow of the fluid.

1,982,265
SPINDLE MOUNTING
Lester F. Nenninger, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application June 25, 1932, Serial No. 619,308
19 Claims. (Cl. 90—18)

1. A machine tool comprising a support, a rotatable member, means for journaling said ro-

tatable member in the support comprising concentric bearing portions relatively axially movable to vary the load carrying capacity thereof, a transmission including change speed mecha-



nism for effecting rotation of said member and power operated means controlled by said mechanism for varying the relative axial position of said concentric members in accordance with the rate of rotation of the member.

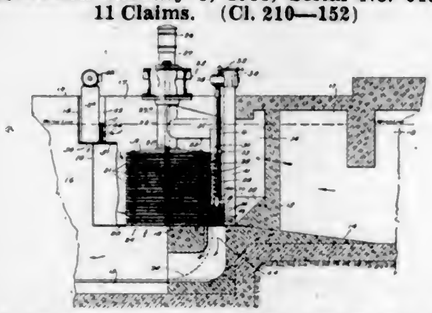
1,982,266

SYSTEM FOR HANDLING SEWAGE

Carl H. Nordell, Chicago, Ill.

Application January 3, 1933, Serial No. 649,798

11 Claims. (Cl. 210—152)



6. In a system for handling sewage the combination of a self-cleaning main screen and a separate submerged comminuter having a self-cleaning screen, both discharging beneath the surface of the sewage.

1,982,267

MOTOR FUEL PRODUCT

Thomas Hunton Rogers and Vanderveer Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 2, 1934, Serial No. 709,454

7 Claims. (Cl. 44—9)

1. A motor fuel comprising cracked hydrocarbon distillates normally tending to deteriorate and develop gums on storage and containing a small proportion of a nitroso derivative of a compound selected from the group consisting of a naphthylamine and a naphthol, in quantity sufficient to inhibit such gum formation.

1,982,268

DEPILATORY SOAP

Emery Roth and Leo Spira, Chicago, Ill.

No Drawing. Application July 11, 1931, Serial No. 550,270

7 Claims. (Cl. 167—89)

1. A depilatory composition comprising in physical admixture a substantially dehydrated alkaline earth metal depilatory sulphur-base compound, and a substantially dehydrated soluble soap capable of forming with said depilatory compound an insoluble soap, said materials being present together in the absence of any substantial amount of water which would if present cause hydrolysis of, or deterioration of, or interaction between said materials.

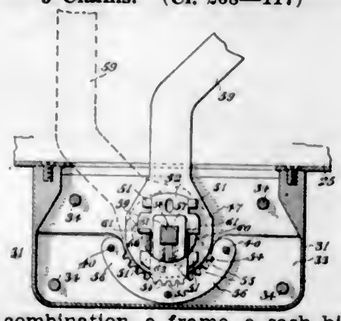
1,982,269

SASH OPERATING MECHANISM

Adolf H. Schaffert, Youngstown, Ohio, and Harold E. Van Voorhees, Detroit, Mich., assignors to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan

Application April 20, 1931, Serial No. 531,524

3 Claims. (Cl. 268—117)



1. In combination, a frame, a sash hinged to the frame, a casing, a shaft in the casing, an arm mounted on the shaft and projecting from the casing, said arm having its projected portion connected to the sash, an actuating hand crank on the shaft, a dog slidable on the arm and engaged therewith to rotate it, a holding rack that is engaged by the dog, and a cam element on the shaft to move the dog both out of coaction with the rack and in a rotary direction with the shaft.

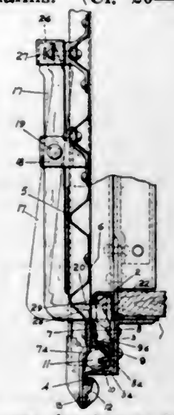
1,982,270

SUPPORTING MEANS FOR CAR DOORS

Kenneth J. Tobin, Chicago, Ill., assignor to Camel Company, Chicago, Ill., a corporation of Illinois

Application December 17, 1931, Serial No. 581,554

7 Claims. (Cl. 20—22)



1. In a house car having a floor and a side with a doorway, an angle member upon the bottom of the floor and embracing the edge thereof, said member being cut away at said doorway, a threshold plate secured to said member at said doorway, said member having a horizontal track

below said doorway, a door mounted upon said car for closing said doorway, and rolling means between the inner side of said door and said track.

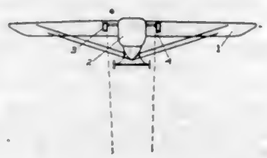
1,982,271

METHOD AND MEANS OF MEASURING DISTANCE

Edwin E. Turner, Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application May 19, 1930, Serial No. 453,733

12 Claims. (Cl. 250—1)



1. A system for determining distances or depths with the help of reflected wave motion comprising means for emitting a periodic continuous wave vibration, means for receiving said wave vibration after reflection from the object whose distance is to be measured and means for indicating the time interval between the emission and reception including means for producing an electron beam, means for synchronously controlling the deviation of the electron beam from the instant of the emitted wave vibration and means for indicating the receipt of the reflected vibrations.

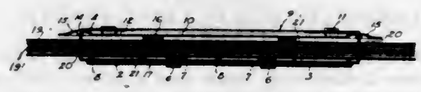
1,982,272

PAPER FASTENER

Paul O. Unger, Glen Ellyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application July 7, 1933, Serial No. 679,272

13 Claims. (Cl. 24—153)



1. In a paper fastener, a pair of separate compression members, slots in said compression members, and prong means on each of said compression members adapted to be inserted through the slots in opposite compression members.

1,982,273

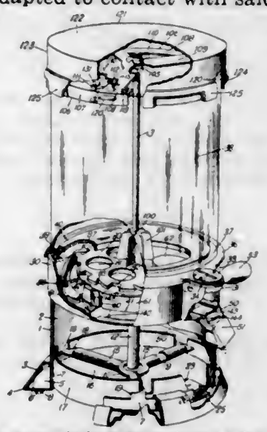
COIN-CONTROLLED VENDING MACHINE

Frank H. Vogel and Ralph A. Vogel, Columbus, Ohio, assignors to The Columbus Vending Company, Columbus, Ohio, a corporation of Ohio

Original application November 8, 1930, Serial No. 494,212. Divided and this application October 22, 1931, Serial No. 570,396

1 Claim. (Cl. 312—35)

In a vending machine, a hopper, a cap for said hopper having a closure surface and a flange attached thereto, said flange having an annular groove therein and a plurality of grooves perpendicular to said annular groove, a retaining ring mounted on said hopper, a plurality of lugs on said retaining ring adapted to cooperate with said annular groove in said cap member and with said perpendicular grooves therein, a lock member on said cap, a plurality of upstanding members of varying height on said retaining ring, one of said members adapted to contact with said lock mem-



ber and the remaining members adapted to contact with the bolt of said lock.

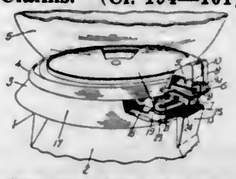
1,982,274

COIN CONTROLLED VENDING MACHINE

Ralph A. Vogel, Columbus, Ohio, assignor to The Columbus Vending Company, Columbus, Ohio, a corporation of Ohio

Application April 25, 1933, Serial No. 667,858

7 Claims. (Cl. 194—101)



1. In a vending machine, having a coin-controlled locking mechanism for normally preventing rotation of the vending member sufficiently to operate the machine but permitting limited rotation of the vending member, an annular housing, an annular plate superimposed on said housing, a vending member rotatably mounted within said housing, and having a radial extension thereon, which projects outwardly past the edge of said plate, an outwardly extending hood member on said housing in which the outer end of said radial extension operates, a radial extension projecting outwardly from the edge of said annular plate, said radial extension having depending portions adapted to form the walls of a coin channel, said portions fitting into a radial extension on said housing, one of the walls of said coin channel being partly cut away, a magnet mounted on the outer end of said radial extension of said vending member and projecting through said cut-away portion of the coin channel wall when the vending member is in its initial position, a plate member mounted on said extension below said magnet and extending into said coin channel when the vending member is in its initial position, said plate member serving as a bottom for the coin channel and being of such a type and so disposed as to direct good coins radially inwardly into a coin slot formed in said vending member, which slot normally coincides with the coin channel, the edge of said plate member being spaced from the opposite wall of said coin channel so that coins which are too thin will drop through said space, the radial extension on said housing being adapted to direct said thin coins into a coin compartment before reaching the coin-

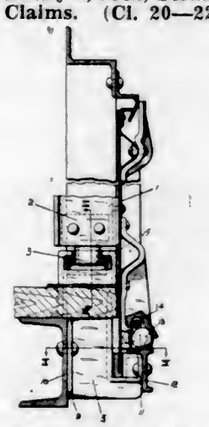
operated mechanism, movement of a magnetic coin through said channel being arrested by said magnet, said magnet and said plate member being moved away from said channel upon movement of said vending member, and means projecting into the cut-away portion of the wall of said coin channel and adapted to preclude movement of said magnetic coin with said magnet so that said magnetic coin will be stripped from said magnet and will pass into the coin compartment through said radial extension of the housing.

1,982,275

TRACK BRACKET AND STOP

Axel Wasberg, Chicago, Ill., assignor to Camel Company, Chicago, Ill., a corporation of Illinois

Application January 2, 1932, Serial No. 584,339
13 Claims. (Cl. 20—22)



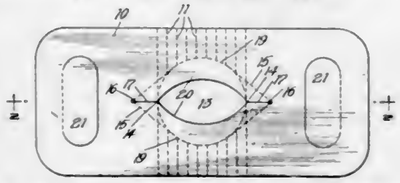
1. In a house car having a track, a door mounted upon said track, a bracket secured to said track and having a stop lug located inside of the plane of the door, and a post on said door adapted for engaging said stop lug.

1,982,276

BOTTLE CARRIER

Merle J. West, San Francisco, Calif., assignor to Robert M. Lackey, Cohoes, N. Y.

Application October 26, 1932, Serial No. 639,569
7 Claims. (Cl. 215—100)



1. A carrier for bottles or the like comprising a sheet of material adapted to be bent at a middle part thereof, and having an opening at the said middle part which opening has an irregular shape with a lesser dimension transverse of the carrier, said opening having deflectable marginal portions for engagement with the neck of a bottle when applied thereto, the said irregular shape of the opening enabling the carrier to be bent transversely with respect to the larger dimension of said opening and thereby lock the deflected marginal portions in bottle-engaging position so long as said carrier is transversely bent and permitting instant release of the bottle when said carrier is straightened.

1,982,277

MOTOR FUEL AND METHOD OF PREPARING SAME

Carl Winning, Elizabeth, N. J., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 24, 1931, Serial No. 532,707
6 Claims. (Cl. 44—9)

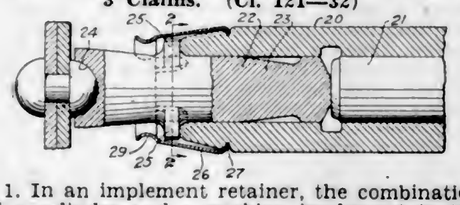
1. A motor fuel comprising cracked gasoline normally tending to deteriorate and form gum, and containing a small quantity of a gum inhibiting agent selected from the group consisting of dinitroso polyhydroxy benzenes, nitroso naphthols wherein the nitroso and hydroxyl groups are on adjacent carbon atoms, and a nitroso aniline.

1,982,278

IMPLEMENT RETAINER

Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application July 11, 1934, Serial No. 734,658
3 Claims. (Cl. 121—32)



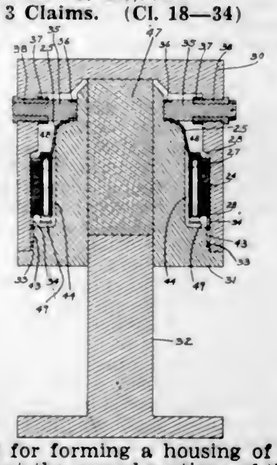
1. In an implement retainer, the combination of a cylinder and a working implement in the cylinder having a lug, a longitudinally split sleeve constructed of spring material and having a flange to engage the cylinder, a shoulder on the sleeve extending into the path of the lug to prevent ejection of the working implement from the cylinder, and projections on the sleeve located on the opposite sides of the lug to limit relative rotative movement between the sleeve and the working implement.

1,982,279

APPARATUS FOR MOLDING PLASTIC MATERIAL

Vincent G. Apple, Dayton, Ohio; Herbert F. Apple, Edward M. Apple and Gourley Darroch, executors of said Vincent G. Apple, deceased

Original application April 5, 1928, Serial No. 267,782. Divided and this application January 25, 1930, Serial No. 423,564
3 Claims. (Cl. 18—34)



1. A mold for forming a housing of moldable material about the wound portions of the core of a dynamo electric machine element, said mold comprising, a body having a cavity fitted closely to the outside of the core, a central plug fitted closely to the bore of said core, a number of pull bars having squared inner ends extending laterally inward from the mold body into said cavity, to form pockets for brushes and brush springs in the wall of said housing and being laterally withdrawable through the mold body to form said pockets after said housing is molded, and threaded tubes surrounding a rounded part of said pull bars threaded into the mold body and extending into said cavity.

1,982,280

COATING COMPOSITION

William W. Bell, Englewood, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application June 6, 1931, Serial No. 542,685
4 Claims. (Cl. 134—79)

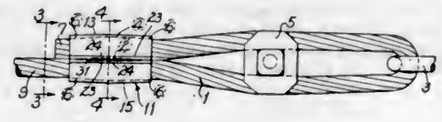
1. A coating composition comprising a cellulose derivative, a resinous substance, a plastifier, and solid opaque pigment particles mixed with nacreous material and distributed throughout said composition in relative proportions of not over fifty percent of nacreous material in proportion to the pigment and acting to impart to the coating a deep soft color in direct combination with a surface sheen of permanently pearly lustre.

1,982,281

CLAMP

Theodore Birkenmaier, St. Louis, and Lester Pierce Boll, University City, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri

Application April 4, 1932, Serial No. 602,924
2 Claims. (Cl. 24—115)



1. A cable clamp comprising a back and side walls adapted to cradle at least two lengths of cable or the like, said side walls being bent over the cable, and means affixed to said clamp adapted to be positioned between the cable lengths when the clamp is fastened thereto and being located along the longitudinal center of the back, said last-named means comprising a single flat spur struck up from said back and being composed of material originally comprised in said back, the side walls holding the cable lengths together adjacent to said spur, said spur having a plane which is substantially parallel to the planes of said side walls.

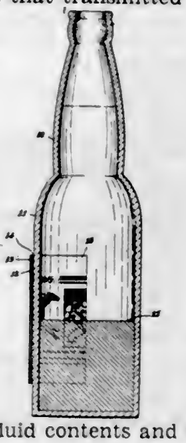
1,982,282

LABEL GAME

Jack Bock, Bronx, N. Y.

Application February 26, 1934, Serial No. 712,955
2 Claims. (Cl. 273—139)

1. A game of chance comprising a transparent vessel containing a fluid, a label having an inner surface with marking matter and being affixed to said vessel, the inner surface of said label being marked with coloring matter reflecting the same wave length as that transmitted by the coloring matter of the fluid contents and the vessel combined.

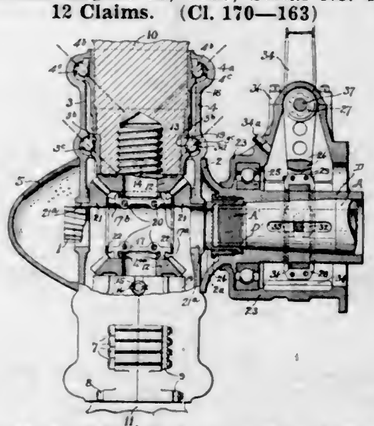


1,982,283

VARIABLE PITCH PROPELLER FOR AIRCRAFT AND FOR VENTILATION

Emil A. Briner, East Orange, N. J., assignor to Aero Engineering Corporation, East Orange, N. J.

Application August 18, 1930, Serial No. 476,096
12 Claims. (Cl. 170—163)



1. In a variable pitch propeller of the kind described, a hub casing having radial tubular extensions, said hub casing being divided into half sections meeting in a plane coincident with the axis of said extensions thereof, a coupling sleeve bored to receive a power shaft and having a flange to abut the rear side of said hub casing, a nose cap to abut the forward side of said hub casing, a plurality of through bolts for securing said nose cap, hub casing sections and coupling sleeve flange in assembled relation, said hub casing extensions having external registered lugs at their meeting edges, and additional fastening bolts secured through said registered lugs.

1,982,284

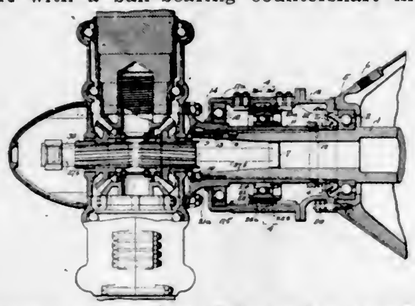
PROPELLER CONTROL MECHANISM

Emil A. Briner, East Orange, N. J., assignor to Aero Engineering Corporation, East Orange, N. J.

Application August 27, 1932, Serial No. 630,612
18 Claims. (Cl. 170—163)

1. A compact hand control mechanism for a variable pitch propeller comprising, a ball-bear-

ing crankshaft having at one end a crank with handle, and at the other a flexible shaft coupling, a pair of reduction gears connecting said crankshaft with a ball-bearing countershaft in en-



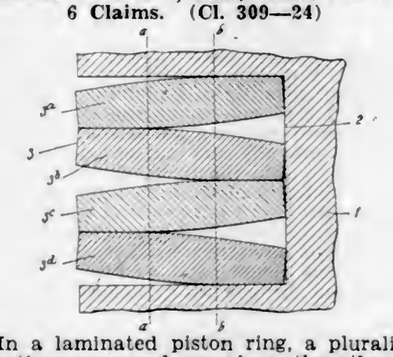
gagement with a threaded member carrying a double jawed traveling nut, engageable with complementary jaws on travel limiting nuts; all enclosed in a convenient mounting case.

1,982,285
MEANS FOR CLEANING AND POLISHING
Finn J. Bronner, New York, N. Y.
Application October 12, 1932, Serial No. 637,374
2 Claims. (Cl. 132—74)



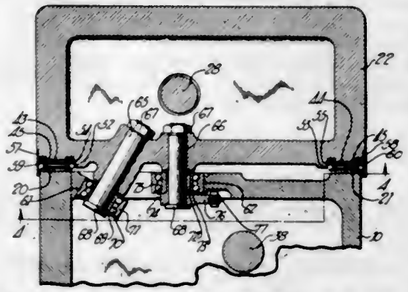
1. A polishing tool formed of a rod of wood and formed into a point bounded by flat faces, said faces formed with slanting notches extending away from the point adapted to receive a pumice, the said notches having an outer tapered wall of a flexible characteristic, for urging the discharge of the pumice while manipulating the said wood point.

1,982,286
PISTON RING
James Joseph Carroll, Detroit, Mich.
Application October 2, 1933, Serial No. 691,802
6 Claims. (Cl. 309—24)



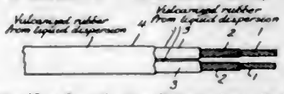
1. In a laminated piston ring, a plurality of laminations arranged one above the other, said laminations being dished in alternately opposite directions, whereby said laminations alternately approach each other at their inner and outer edges, said laminations being thicker in their medial portions than in their marginal portions and tapered from their medial portions to the edges of said laminations.

1,982,287
GRINDING MACHINE
Sol Einstein and Frederick S. Haas, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 25, 1931, Serial No. 539,750
10 Claims. (Cl. 308—6)



2. In a machine tool organization the combination of a bed, a slide mounted thereon for movement relative thereto, co-operating guideways carried by the bed and slide, and means for eliminating side play between the bed and slide and for holding the guideways to one another including a pair of surfaces disposed at an angle to one another formed on the bed beneath the slide, a pair of anti-friction bearings carried by the slide for engaging one of said surfaces, a second pair of anti-friction bearings carried by the slide for engaging the second of said surfaces, means mounting one of said pair of bearings for approaching movement relative to its surface, and yielding means for actuating said bearings toward its surface whereby the angular relationship of said surfaces tends to force the slide onto the bed.

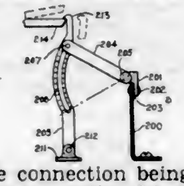
1,982,288
INSULATED WIRE AND METHOD OF MAKING THE SAME
Ralph Russell Evans, Watertown, Mass., assignor to Simplex Wire and Cable Company, Boston, Mass., a corporation of Massachusetts
Application September 6, 1930, Serial No. 480,072
3 Claims. (Cl. 173—264)



1. The method of making insulated cables which comprises coating each of a plurality of conductors with pre-vulcanized rubber from a liquid dispersion, assembling the conductors, maintaining the surface of the individual conductors in such condition that a subsequent coating of a pre-vulcanized rubber from a liquid dispersion will integrally unite with the aforesaid coating and applying rubber from such a liquid dispersion directly to the aforesaid coating of the assembled conductors.

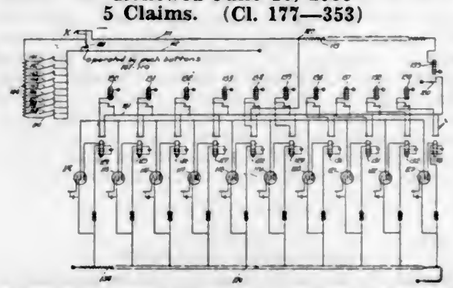
1,982,289
CIRCUIT BREAKER
William H. Frank and Joseph Messing, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application January 3, 1933, Serial No. 649,988
6 Claims. (Cl. 200—116)

1. In a controlling device of the character described, latching means in the nature of a lever, thermally responsive means also in the nature of a lever, and affected by changes in circuit conditions, and a connection between the means whereby the latching means will be released by the effect of such changes on the thermally respon-



sive means, the connection being movable so as to vary the leverage ratio of both of the means so that the release-causing effect of such changes on the latching means can be varied.

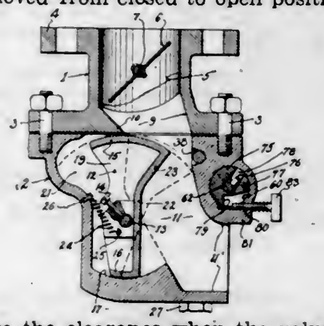
1,982,290
SELECTING SYSTEM
John E. Gardner, Chicago, Ill.
Application December 24, 1927, Serial No. 242,485
Renewed June 16, 1933
5 Claims. (Cl. 177—353)



1. In a selecting system, a plurality of differential relays, each having a plurality of windings, a multi element thermionic device associated with each relay, means for setting up equal potential differences between two elements in each of said devices, said means including a circuit extending through a second winding of the associated relay, a local circuit closed through a second of the windings of each relay to magnetize it, a circuit common to said devices, means for closing said circuit, and means controlled over said circuit for applying an electrical potential to a third element of each of said devices while said common circuit remains closed to cause a predetermined one of said devices to pass sufficient current through the first winding of the associated relay to balance the magnetization produced by the current in the local circuit of the relay and thereby effect an independent operation of that relay.

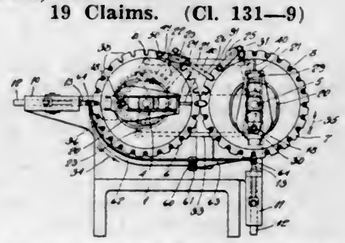
1,982,291
CARBURETOR
Ralph E. Gould, Los Angeles, Calif.
Application April 8, 1932, Serial No. 604,019
14 Claims. (Cl. 261—50)

1. A carburetor comprising a housing having a passage therethru with an inlet and an outlet at opposite extremities thereof, a throttle valve adjacent said inlet, a mixing chamber adjacent said passage and having an air inlet, a control valve in said mixing chamber, means for introducing fuel to said passage at a point intermediate said valves, a vacuum chamber adjacent and separated from said passage by said control valve, said control valve having diametrically opposite arcuate portions movably disposed adjacent portions of said housing, one of said arcuate portions forming a closure for and movable transversely of the inlet to said passage for opening and closing said inlet, means normally urging said control valve to closing position, said closure formed so as to gradually increase the clearance between the closure and the portion of said housing around said inlet as said control valve is moved from closed to open position and



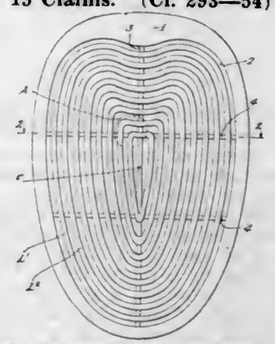
to decrease the clearance when the valve is reversely moved, for varying the vacuum in said vacuum chamber during the operation of the control valve, as described.

1,982,292
CIGAR MANUFACTURING APPARATUS AND METHOD
Karl Erik Granstedt, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a Swedish company
Application July 30, 1926, Serial No. 126,074. Renewed September 17, 1931. In Sweden August 8, 1925
19 Claims. (Cl. 131—9)



1. In a machine for compressing and drying the bunches in the manufacture of cigars, a plurality of intermittently rotatable drums having pockets at the circumference and members for automatically transmitting the bunches from the pockets of one of said drums into the pockets of another of said drums and for automatically removing the bunches from the pockets of the last drum in the series.

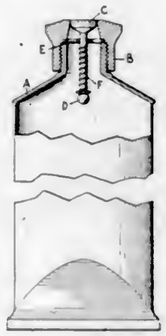
1,982,293
FRONTAL GRILLE FOR RADIATORS
Lee B. Green, Lakewood, Ohio
Application February 16, 1933, Serial No. 657,037
15 Claims. (Cl. 293—54)



1. A louver-type grille comprising coaxial and consecutively radially spaced annular members of

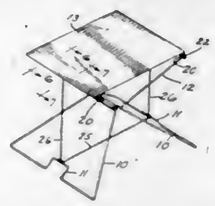
progressively increasing bores, the said members presenting the front faces of their radially inward portions substantially in a common surface and having their radially outward portions offset rearwardly from the said surface; and connecting means extending behind and secured to said radially outward rearwardly offset portions of the said members for holding the said members rigidly spaced in relation to one another.

1,982,294
AUTOMATIC SEAL FOR TUBES
Guy T. Griffin, Albany, N. Y.
Application April 17, 1931, Serial No. 530,974
2 Claims. (Cl. 221—60)



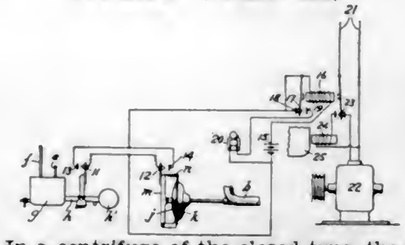
2. A tube seal comprising means providing a passageway having a conical valve seat, a conical valve constructed and arranged to rest upon said valve seat, and means constructed and arranged to normally force the valve inwardly against its seat, the surface of said seat being beveled on such an angle as to provide a cutting edge so arranged that the valve as it seats will expel material between the valve and the seat.

1,982,295
FOLDING STOOL
Vincent Gurbacki, Chicago, Ill.
Application March 1, 1934, Serial No. 713,485
2 Claims. (Cl. 155—149)



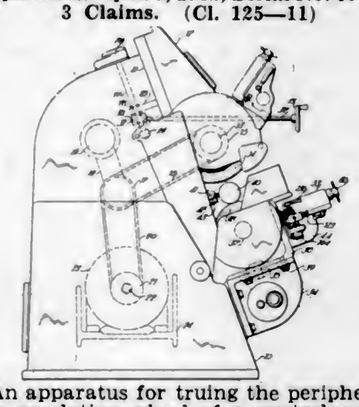
1. In a stool, a pair of seat supporting members, each of said seat supporting members formed out of a single strand of material and including a horizontal portion and a pair of side portions, said side portions of each of said seat supporting members being suitably bent into loops which are oppositely disposed in each pair of said side portions in each of said seat supporting members, said loops being in a plane below the plane of said horizontal members, a rod passing through said loops in each of said seat supporting members, and a fabric seat attached by its ends to said rods, said seat passing over said horizontal members.

1,982,296
EMERGENCY CONTROL FOR CLOSED CENTRIFUGES
Selden H. Hall, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application January 5, 1934, Serial No. 705,323
15 Claims. (Cl. 192—144)



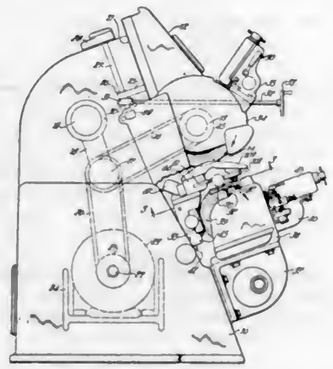
2. In a centrifuge of the closed type, the combination with a rotary bowl, means to supply liquid under pressure to the bowl driving means, liquid flow channels communicating with the bowl, packing between said channels, of a drain channel adapted to receive liquid escaping through said packing, a device subject to the pressure of the supply liquid, means to operate said device upon a given reduction of said pressure, and mechanism, operable by the operation of said pressure device and also by such escaping liquid, to render said driving means inoperative.

1,982,297
GRINDING MACHINE
Frederick S. Haas, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application April 4, 1932, Serial No. 603,048
3 Claims. (Cl. 125—11)



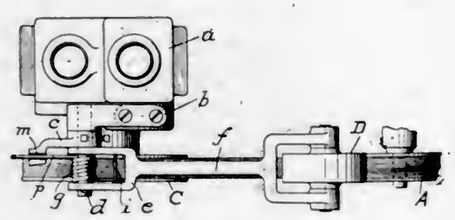
1. An apparatus for truing the peripheral face of the regulating wheel of a centerless grinder to have line contact with a work piece when the axis of the regulating wheel is angularly disposed to the axis of the grinding wheel and work piece, the combination of a housing for the regulating wheel, a bracket on said housing and disposed to one side of the axis of the wheel and said bracket having a face normal to the housing, means pivotally connecting the bracket to the housing with the axis of said pivot means laterally offset with respect to the axis of the wheel and disposed at a point substantially midway of the length of the wheel face, said normal face of the bracket having formed therein a dovetailed guideway, a slide mounted in said dovetailed guideway for movement relative thereto across the face of the regulating wheel, a truing tool mounted on said slide for movement therewith, means for securing the bracket in angular position relative to the housing, the housing having an aperture therein through which the truing tool passes to engage the wheel face and said aperture being of such dimensions as to permit free movement of the tool regardless of the angular adjustment of the bracket relative to the housing, and hydraulically actuable means for effecting the movement of the slide and truing tool relative to the bracket.

1,982,298
GRINDING MACHINE
Frederick S. Haas, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 12, 1932, Serial No. 610,837
16 Claims. (Cl. 51—103)



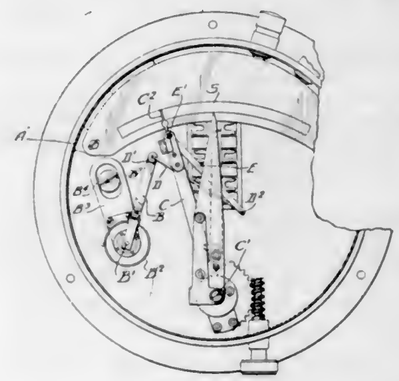
1. In a centerless grinder the combination of a bed, a pair of opposed grinding and regulating wheels carried thereby and forming a grinding throat therebetween, a work rest blade carried by the bed beneath the grinding throat, a housing for one of the wheels, guide plates carried by the housing having their operative surfaces disposed in parallel alignment with the operative surface of said wheel, and means for adjusting the position of the guide plates to dispose the said operative surfaces thereof at an angle to the operative face of the wheel and out of parallelism therewith.

1,982,299
BELT-TIGHTENER
Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application October 7, 1931, Serial No. 567,338
4 Claims. (Cl. 64—5)



1. In a belt-tightener for V-shaped belts, the combination with a driving pulley, a driven pulley, both having V grooves, and a connecting V-belt, of a belt-tightener comprising a pin, a lever pivoted on the pin, a pulley carried by the lever and adapted to be engaged with one reach of the belt, a spring coiled about the pin, an extension on one end of the spring adapted to fulcrum on said lever, a manually operable extension on the other end of the spring adapted to be moved into position to hold the belt-tightener in one position which is operative to maintain the belt in normal driving relation with the driving and driven pulleys regardless of the thickness of the belt and to be moved into position to render the belt-tightener inoperative to maintain the belt in said normal driving relation, and a frame adapted to engage the last-named spring extension and hold the belt-tightener in either position.

1,982,300
MEASURING INSTRUMENT
Thomas Randolph Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 8, 1929, Serial No. 331,126
1 Claim. (Cl. 73—151)

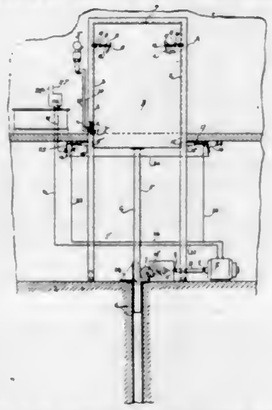


In a measuring instrument the combination of an actuating element pivoted to turn about one axis, an indicating element pivoted to turn about a different axis, a link pivotally connected at one end to one of said elements, a member to which the other end of said link is pivotally connected, and a pivotal connection between said member and the other of said elements, the distance between the two pivotal connections of the member being equal to the distance between the two pivotal connections of the link, and said elements being so arranged that in their zero position the pivotal connections between the elements and the lever and member, respectively, will coincide, whereby the leverage with which said actuating element acts on said indicating element may be varied by angular adjustment of said member and link about their respective pivotal connections to said elements, without disturbing the zero positions of said elements.

1,982,301
BURGLARPROOF DOOR FOR BANKS
Roger A. Harvey, Binghamton, N. Y.
Application October 8, 1929, Serial No. 398,246
4 Claims. (Cl. 20—1.01)

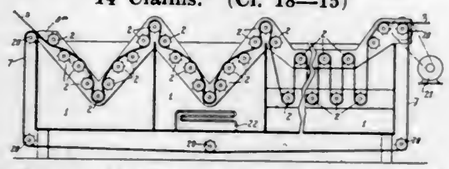
1. The combination with a motor operated sliding element comprising an electric circuit and switch therefor, of a contact included in said circuit, a locking bolt normally engaging said contact with the circuit closed, and mechanical

means for automatically moving said bolt to its locking position and away from said contact to



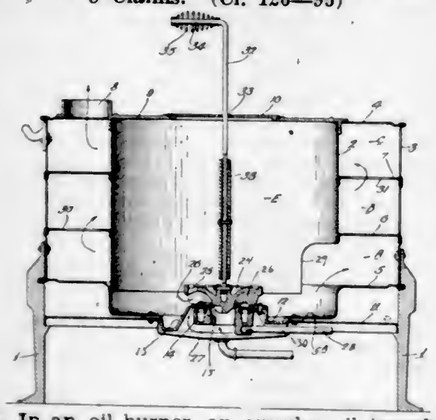
open the motor circuit when the sliding element assumes a predetermined position.

1,982,302
SHEET TREATING MACHINE AND METHOD OF TREATING SHEETS
Charles E. Hetzel, South Hadley Falls, Mass.
Refiled for abandoned application Serial No. 137,464, September 24, 1926. This application May 15, 1931, Serial No. 537,592
14 Claims. (Cl. 18—15)



1. In combination, a treating vat, and a crowned roller therein.

1,982,303
CLEANER FOR OIL BURNERS
Dewey H. Hill, Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind., a corporation of Indiana
Application February 14, 1931, Serial No. 515,742
8 Claims. (Cl. 126—95)



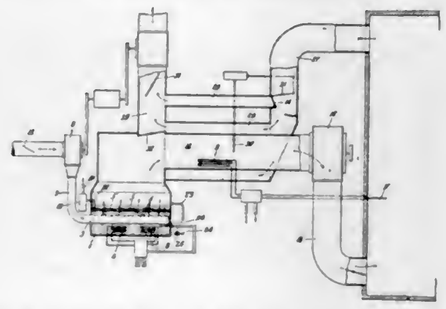
1. In an oil burner, an annular oil trough, a vaporizing ring disposed within the trough and above the bottom of the trough and affording a vapor passage between each riser side of the ring and the adjacent wall of the trough; a member overlying the said ring; the said member including a flame spreader coaxial with the trough, and spacer elements depending from the flame spreader and spaced circumferentially of the trough and normally seated on the trough; and means operable to rotate the flame spreader member; the vaporizing ring and the flame spreader member having parts interengaging to cause a rotation of the flame spreader to rotate the vaporizing ring with it.

1,982,304
LINE, TWINE, AND CORD
John W. W. Holden, Providence, R. I., assignor to Ashaway Line and Twine Manufacturing Company, Ashaway, R. I., a corporation of Rhode Island
Application December 9, 1933, Serial No. 701,634
1 Claim. (Cl. 28—1)



A line, twine, or cord comprising a series of sections of successively different base colors throughout their lengths, each section being divided at regular intervals by interspaced bands.

1,982,305
AIR CONDITIONING SYSTEM
Clarence C. Hunicke, Palisade, N. J.
Application September 26, 1932, Serial No. 634,806
5 Claims. (Cl. 261—122)

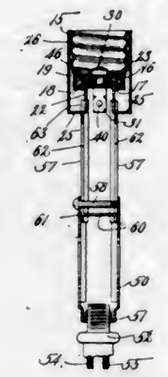


1. A method for conditioning air for an enclosure which comprises saturating air at a predetermined controlled temperature by passing the air through a body of water, controlling the temperature of the body of water, then heating the saturated air to a predetermined controlled temperature by means of a controlled quantity of waste heat from the vented air from an enclosure.

1,982,306
LAMP SOCKET
Gustaf A. Johnson, New Bedford, Mass.
Application July 6, 1931, Serial No. 548,883
5 Claims. (Cl. 173—358)

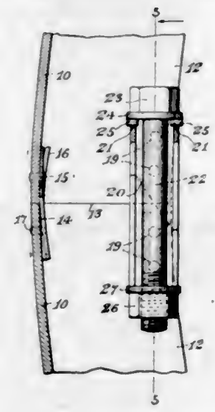
1. In an electric socket, the combination of a lamp receiving screw shell having an open base and an inwardly projecting base flange, an insulating disk mounted in the base of said shell and seated on said flange, said disk being provided with a rectangular recess in its bottom face and a forked member having its head fitting in said recess and fastened to said insulating disk, said forked member having a pair of parallel short forks depending from said insulating disk

and permanently fastened thereto a forked supporting member of a length suitable to the length



of candle jacket with which the socket is to be used.

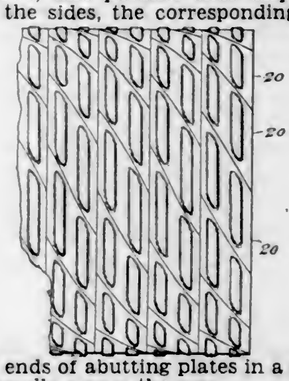
1,982,307
TUNNEL LINING
Julius Kahn, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application February 1, 1932, Serial No. 590,247
11 Claims. (Cl. 61—45)



4. A tunnel lining plate comprising a body wall having flanged sides and unflanged ends, the edges of said ends being adapted to abut corresponding edges of coacting plates, tongues projecting from the ends of the plates out of line with the edges and the tongue at one end being disaligned with the tongue at the other end, and bolt-receiving clips carried by the side flanges.

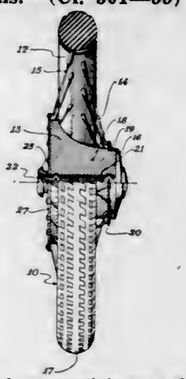
1,982,308
TUNNEL LINER
Julius Kahn, Youngstown, and Herbert E. White, Cleveland, Ohio, assignors to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application March 3, 1932, Serial No. 596,628
6 Claims. (Cl. 61—45)

1. A tubular structure comprising separate rows of plates, the rows being located side by side, each of said plates being a substantial parallelogram having parallel sides forming the sides of the rows, and parallel ends disposed diagonally of the sides, the correspondingly disposed



diagonal ends of abutting plates in a row extending diagonally across the row.

1,982,309
VEHICLE WHEEL
Samuel Kroll and Nathan Kroll, Chicago, Ill.
Application April 27, 1934, Serial No. 722,680
3 Claims. (Cl. 301—55)

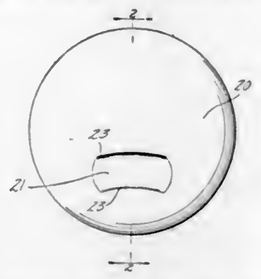


1. A vehicle wheel, comprising: a felloe: a hub structure including a member providing an axle-bearing surface; a substantially frusto-conical body having said bearing member extended axially therethrough; a disc rotatably mounted upon said bearing member at the larger axial end or face of said body and substantially coextensive in area with said end or face; a hub cap mounted upon said body at the opposite and smaller end thereof; and spokes; said spokes having attachment at their radially outer ends to said felloe; certain of said spokes having attachment at their radially inner ends to said disc and the remaining ones of said spokes having attachment at their radially inner ends of said hub cap.

1,982,310
BIFOCAL LENS
Lawrence J. Kuehn, Milwaukee, Wis.
Original application June 22, 1928, Serial No. 287,587. Divided and this application September 27, 1929, Serial No. 395,579
5 Claims. (Cl. 88—54)

1. A lens comprising an optical member having a substantially spherical convex face provided with a laterally elongated substantially spherical concave recess intersecting said face substantially without shoulders upon spaced concentric arcuate lines on two sides and intersecting lines at the ends of said recess, and a supplementary lens member having surfaces complementary to the

surfaces of said recess secured thereto and having its exposed surface finished in substantial conformity with the said convex face of said first



mentioned member, said recess and supplemental member being wholly spaced from the margins of said first mentioned member and surrounded by integral portions thereof.

1,982,311

PRODUCTION OF VALUABLE COMPOUNDS OF THE ANTHRACENE SERIES

Max Albert Kunz, Mannheim, and Karl Koeberle and Gerd Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 7, 1930, Serial No. 426,761. In Germany February 15, 1929

10 Claims. (Cl. 260—61)

2. Compounds of the anthracene series the carbon skeleton of which comprises two anthracene radicles coupled together in a mirror image arrangement by at least one condensed six membered ring, the 1- and 1'-positions of the said anthracene radicles being vicinal carbon atoms of the said six membered ring, containing at last two keto groups and at least one nitro group.

1,982,312

HALOGENATED DIBENZANTHRONE

Max Albert Kunz, Mannheim, and Karl Koeberle and Erich Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 24, 1930, Serial No. 447,108. In Germany April 27, 1929

5 Claims. (Cl. 260—61)

1. Chlorbromnitrodibenzanthrone forming a blue powder, dissolving in concentrated sulphuric acid giving a red violet solution and dyeing cotton fast navy blue shades from a blue vat.

1,982,313

HALOGENATED DIBENZANTHRONES

Max Albert Kunz, Mannheim, and Karl Koeberle and Erich Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 14, 1931, Serial No. 530,140. In Germany April 27, 1929

4 Claims. (Cl. 260—61)

2. Chlorinated isodibenzanthrones which contain between 3 and 6 atoms of chlorine per molecule, of which chlorine atoms two are in the 6 and 6' positions, and which dye the vegetable fibre violet shades which do not become substantially more reddish when spotted with water.

1,982,314

METHOD OF MAKING PANEL BOARD

John W. Ledeboer, Ambler, Pa., assignor, by mesne assignments, to Keasbey & Mattison Company, a corporation of Pennsylvania

No Drawing. Original application January 22, 1930, Serial No. 422,543. Divided and this application May 24, 1932, Serial No. 613,269

1 Claim. (Cl. 91—68)

The process of forming an insulating board of asbestos cement comprising providing a set slab of at least as much asbestos as cement, surfacing said slab with plane porous surfaces by removing surface material without substantially compacting the slab at the surface and exposing loose ends of asbestos fibers, drying said slab to substantially remove the moisture, impregnating said slab through said porous surfaces with a mixture of asphalt and wax tailings liquefying under heat, and then resurfacing and refinishing the impregnated slab.

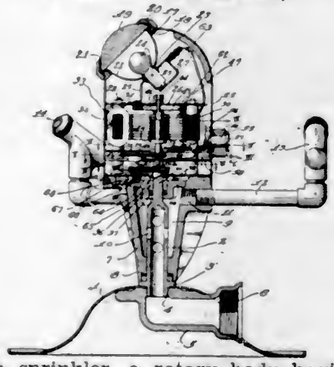
1,982,315

ILLUMINATED LAWN SPRINKLER

Gunnar E. Lundberg, Chicago, Ill.

Application July 7, 1933, Serial No. 679,295

8 Claims. (Cl. 299—4)



1. In a sprinkler, a rotary body having discharge orifices and arranged to be rotated by the flow therethrough of the fluid to be sprayed, a housing mounted on said body to rotate therewith, electrical illuminating means within said housing for illuminating the sprayed fluid, a current generator structure within said housing comprising a field element and a magnetic armature element, means connecting said armature element to rotate with said body, a connecting train between said rotating body and said field element for rotating said field element in a direction opposite to that of the body and armature element whereby to cause generation of current for supplying said illuminating means, an electrical circuit for conducting current from said generator to said illuminating means, and means operable from the exterior of said housing for interrupting said connecting train whereby to prevent generation of current.

1,982,316

MOTOR CAR OR LIKE VEHICLE

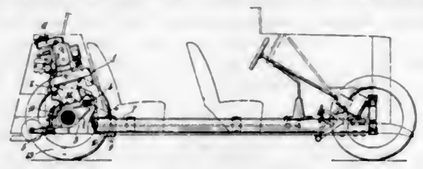
Donald Gordon Mackenzie, Montreal, Quebec, Canada

Application February 6, 1931, Serial No. 513,832

In Great Britain February 10, 1930

8 Claims. (Cl. 180—54)

7. In a motor car or like vehicle, an underframe, leaf spring axle structures connected at their ends to road wheels and mounted intermediately in seats in a differential casing detachably connected to and supporting the underframe, a differential unit in said differential casing having flexibly connected driving axles to



the road wheels, a transmission unit having a casing detachably mounted on the differential casing, and an engine unit having its casing detachably mounted on the transmission casing.

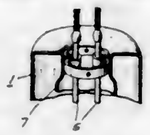
1,982,317

ELECTRICAL CONDUCTOR FOR ELECTRON DISCHARGE TUBES

Ilia E. Mouromtseff and Gregory Rylsky, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

Application September 27, 1928, Serial No. 308,659

4 Claims. (Cl. 250—27.5)



1. In combination with a vacuum-tight envelope having a reentrant portion, a conductor sealed in said reentrant portion, a flexible connector joined to said first-named conductor and surrounded, for at least a portion of its length, by the reentrant portion, said flexible connector comprising a flexible conducting core surrounded by a flexible conductive sheath.

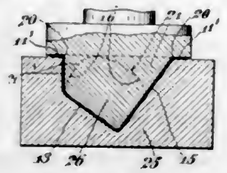
1,982,318

METHOD OF MAKING REFLECTORS

Victor L. Oestnaes, Westfield, and Richard W. Luce, Mountainside, N. J., assignors to American Gasaccumulator Company, Elizabeth, N. J., a corporation of New Jersey

Application August 30, 1929, Serial No. 389,355

5 Claims. (Cl. 113—51)



1. The method of producing from sheet metal a light reflector of triple type, which comprises the pressing of a sheet metal plate into shape having three sides connected at their adjoining edges and convergent toward a common point at one end and merging into a cylindrical portion at the other, applying a coating of metal thereto which is adapted to become light-reflecting upon the subjection of the same to high pressure by means of a forming member the surfaces of which are highly polished, subjecting the partially formed reflector to pressure within a die to polish the reflecting sides thereof and simultaneously to cause the mergence of the outer edges of the reflector sides into the said cylindrical portion.

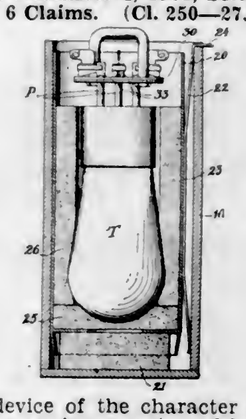
1,982,319

REPLACEABLE TUBE HOLDER

Walter M. Perry, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application December 4, 1931, Serial No. 579,061

6 Claims. (Cl. 250—27.5)



1. In a device of the character described, an outer casing, an inner casing of lesser diameter than the inside of said first casing, to be readily removable therefrom, said inner casing being adapted to support a thermionic tube, and resilient spacing means interposed between said casings.

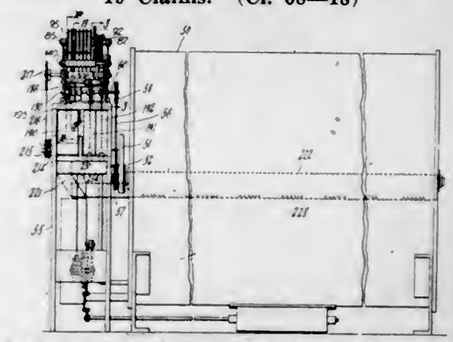
1,982,320

CONTROL APPARATUS FOR WASHING AND CLEANSING MACHINES

Lucien Pierce, Malden, Mass., assignor of one-half to George W. Hooper, Salem, Mass., and one-half to Family Laundry Company Malden, Malden, Mass., a corporation of Massachusetts

Application March 23, 1933, Serial No. 662,266

19 Claims. (Cl. 68—18)



1. Apparatus of the class described, comprising a series of drop-arms each pivotally mounted at one end, supporting means for the several arms spaced from the pivoted ends thereof, means for selectively disengaging said supporting means to release the arms severally at predetermined times, and means synchronized with said disengaging means for lowering released arms and then raising said arms for re-engagement by said supporting means.

1,982,321

CONTROL SWITCH

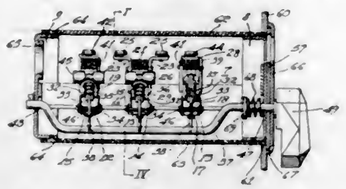
Alfred J. A. Peterson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application May 16, 1931, Serial No. 537,810

8 Claims. (Cl. 200—7)

1. The combination with a double-throw switch and an operating member therefor having a lost

motion connection thereto for moving the switch to either of its two operating positions and permitting the return of the operating member to its neutral or intermediate position independently of the double throw switch, of a pair of switches each biased toward its open position and engaging the operating member for returning it to its in-



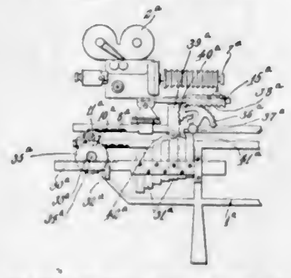
termediate position, the said second switches being reversely disposed whereby one second switch is moved to closed position when the operating member moves the double throw switch to one of its operating positions, and whereby the other second switch is moved to its closed position when the operating member moves the double throw switch to its other operating position.

1,982,322

APPARATUS FOR MAKING MOTION PICTURES

Irving G. Ries and Douglas Graham Shearer, Los Angeles, Calif., assignors to Metro-Goldwyn-Mayer Corporation, Culver City, Calif., a corporation of New York

Application April 30, 1928, Serial No. 273,841
7 Claims. (Cl. 95—45)



1. In a photographic apparatus of the character described, the combination of a camera provided with an objective lens movable along its optical axis, a negative lens movably positioned in the optical axis, and means for simultaneously imparting a uniform motion along the optical axis to one of said lenses and progressively varying motion along the optical axis to the other of said lenses and means for changing the progressively varying motion of the last mentioned lens.

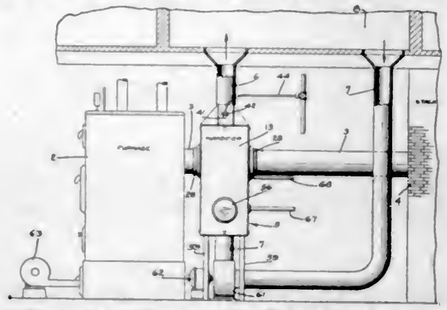
1,982,323

HUMIDIFIER

Edward H. Roberts, Minneapolis, Minn., assignor, by mesne assignments, to Minneapolis Air Conditioner Company, Minneapolis, Minn., a corporation of Minnesota

Application February 18, 1931, Serial No. 516,583
9 Claims. (Cl. 261—15)

1. A humidifier comprising a jacket having air circulating connections with the space to be humidified, a casing disposed within said jacket and having its walls spaced from the walls thereof to provide air circulation passages, the walls of said casing defining a heating chamber having means for connecting it with the usual smoke pipe of a furnace whereby the furnace gases may circulate therethrough, a water leg secured to and depending from the upper wall of said casing and arranged to cause the furnace gases entering said casing to impinge thereagainst whereby the water



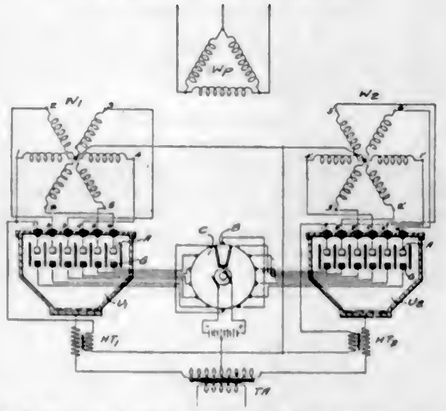
therein is vaporized, and a lateral extension on said water leg communicating with the interior thereof, and whereby the surface area of said leg is increased to effect quicker vaporization of the water therein.

1,982,324

METHOD OF CHANGING FREQUENCIES BY MEANS OF STATIC APPARATUS

Moritz Schenkel, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y., a corporation

Application January 25, 1933, Serial No. 653,491
In Germany February 6, 1932
5 Claims. (Cl. 172—281)



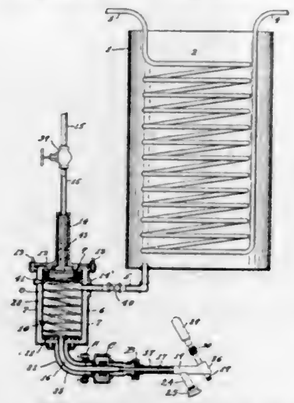
5. A vapor-electric converter for converting alternating current of one frequency to alternating current of a lower frequency, comprising a polyphase supply of the higher frequency, a transformer having the primary thereof connected to said supply, a plurality of polyphase secondaries associated with said primary, a multi-valve vapor electric device associated with each secondary, a low frequency load circuit, a transformer connected to said load circuit, the primary of said transformer having terminals connected to said vapor-electric devices, grids associated with each valve of said devices, a grid control device for successively releasing the grids of said valves in one of said devices while blocking the valves in the remaining devices, and transformers for supplying single phase of the frequency of the supply to the secondaries of the supply transformer for modifying the output voltage to an approximately sinusoidal value.

1,982,325

APPARATUS FOR STEAM CLEANING AND GREASING OF BEARINGS

John E. Shepherd, Charlottesville, Va., assignor to National Cold Steam Company, Charlottesville, Va., a corporation of Delaware

Application October 16, 1929, Serial No. 400,054
25 Claims. (Cl. 184—1)



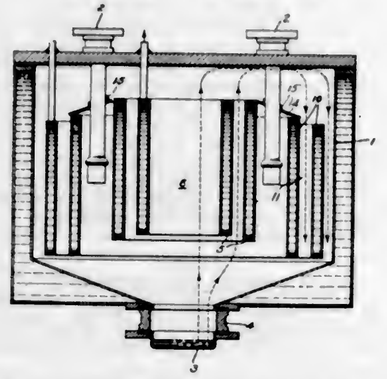
1. In a greasing apparatus of the class described, a grease container, a heating coil therein, means for applying heat to said coil to soften the grease contents of said container, a grease holding cylinder in connection with said container, a steam actuated piston means in said cylinder for expelling the grease therefrom, a grease conducting duct leading from said grease containing cylinder, said duct being controlled by a valved nozzle for opening and closing said nozzle to permit or stop expulsion of grease therefrom, and communicating heating jackets surrounding said grease containing cylinder, said grease conducting duct and said greasing nozzle.

1,982,326

MERCURY-VAPOR RECTIFIER

Alfred Siemens, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application May 31, 1930, Serial No. 458,007
In Germany June 11, 1929
4 Claims. (Cl. 250—27.5)



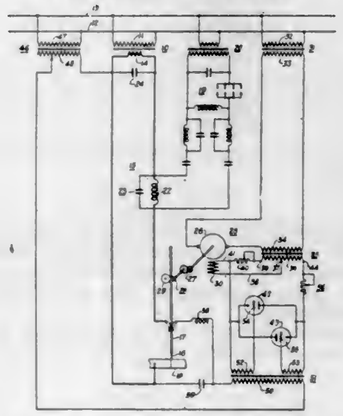
1. A mercury-arc rectifier comprising a metal tank, a plurality of anodes therein, a mercury cathode in said tank, a condensing chamber in the central portion of said tank, said chamber being so disposed as to receive the vapor rising from the cathode, an anode chamber outside of the central condensing chamber, a second condensing chamber surrounding the anode chamber, and means extending from said central chamber across the anode chamber for preventing vapor from entering the anode chamber from the top.

1,982,327

ARC WELDING APPARATUS

Lewis R. Smith, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1933, Serial No. 676,812
18 Claims. (Cl. 219—8)



1. An automatic arc welding system comprising, in combination, a source of alternating current connected to maintain an arc between a welding electrode and work on which a welding operation is to be performed, an alternating current motor having driving connection with said electrode for feeding it relative to said work, said motor including a pair of operating windings, a transformer having a primary winding connected in series circuit relation with one of said operating windings and a secondary winding connected to excite said other operating winding, and control means connected to be responsive to the voltage maintained across said electrode and work and to regulate the current flow through said last named operating winding for controlling the rate in accordance therewith at which said electrode is fed relative to said work by said alternating current motor.

1,982,328

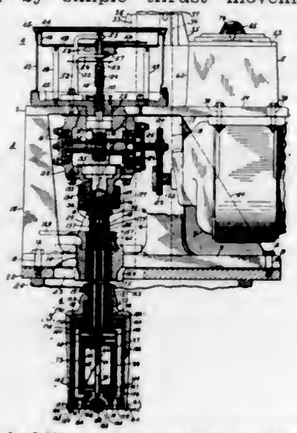
LIQUID TESTING DEVICE

Fernald S. Stickney, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application November 17, 1930, Serial No. 496,222
7 Claims. (Cl. 265—11)

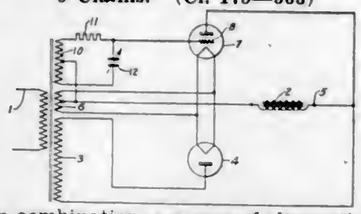
4. A liquid-testing device comprising a structure including a mechanically-operated viscosity-measuring device and an electro-responsive temperature-measuring device, said structure being for position above the liquid, a unitary structure including means for actuating said viscosity-measuring device and means for actuating said temperature-measuring device, said unitary structure being for position in the liquid and means extending between said structures including a hollow column, substantially plug-and-socket connecting means in the column for said measuring devices, and actuating means where-

by said structures may be placed together and separated by simple thrust movements, and



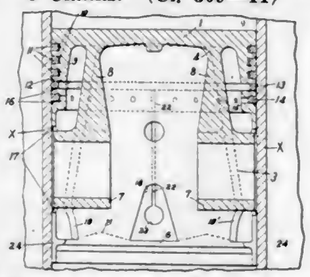
means for holding said connecting means against separation.

1,982,329
POWER CONTROL FOR INDUCTIVE LOAD
Peter E. Stogoff, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1932, Serial No. 619,954
9 Claims. (Cl. 175—363)



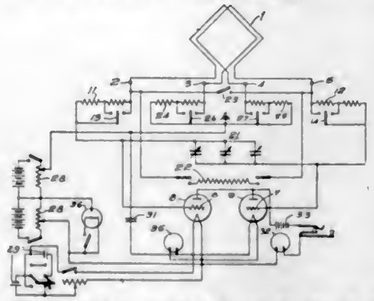
1. In combination, a source of alternating voltage, a rectifier, and an inductive load connected in series, a unidirectionally-conductive shunt about said load and phase-responsive means for controlling the conductivity of said shunt.

1,982,330
PISTON
Deuta Sulprizio, San Leandro, Calif.
Application February 12, 1932, Serial No. 592,596
6 Claims. (Cl. 309—11)



1. A piston comprising an inverted cup-shaped head, a skirt separated from said head, an inside structure connecting the under-side of said head circumferentially with the margin at the lower end of said skirt, wrist pin bearing bosses on said inside structure free of said skirt, and means connecting said structure and the upper end of said skirt in a limited region intermediate said bosses at one side of the skirt only.

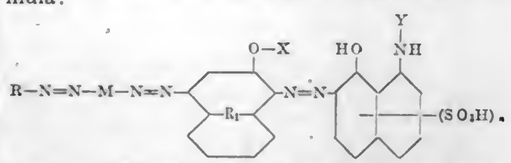
1,982,331
FIELD STRENGTH METER
Paul B. Taylor, Chicopee Falls, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1932, Serial No. 635,547
15 Claims. (Cl. 250—20)



1. In combination with a loop antenna a hot cathode tube with a source of direct current voltage and an indicating instrument connected between the cathode and plate electrodes thereof and means for connecting said antenna to impress a voltage between the cathode and grid of said tube, and means for inserting a known resistance in series in said loop antenna so as to be traversed by the resonance current thereof.

1,982,332
AZODYESTUFFS
Carl Taube, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 17, 1932, Serial No. 599,591. In Germany March 25, 1931
10 Claims. (Cl. 260—72)

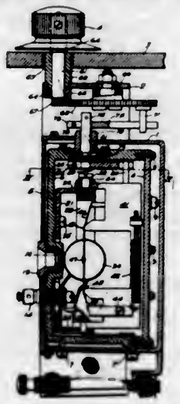
1. Azodyestuffs of the probable general formula:



wherein "R" stands for the radical of a diazotization component of the benzene or naphthalene series, "M" stands for the radical of a coupling component containing a methylene group capable of coupling and a diazotizable amino group, "X" stands for alkyl or hydroxyalkyl in which the hydroxy group may be esterified by sulfuric acid, "Y" stands for hydrogen or an acyl group, "n" stands for the numbers one or two, and wherein the nucleus "R_1" may be substituted by a sulfonic acid group, being in form of their alkali metal salts generally water soluble dark powders, dyeing the cellulosic fibre generally green shades of good fastness properties.

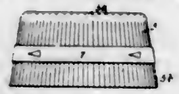
1,982,333
ELECTRICAL INSTRUMENT
Veron S. Thomander, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1933, Serial No. 651,837
8 Claims. (Cl. 171—95)

7. A galvanometer vibrator assembly comprising a supporting yoke, a vibrator ribbon, bridges on said yoke having vertical surfaces inclined at an angle to the plane of the yoke, means for tensioning said ribbon over said surfaces, a pair of magnets secured together on opposite sides of



said ribbon, and a mirror secured to the edges of said pairs of magnets.

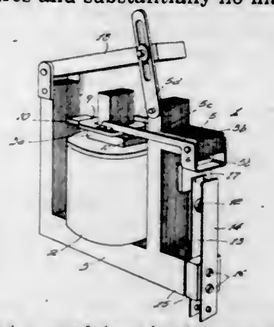
1,982,334
MILK BOTTLE HOOD
Arthur Weinmann, Preakness, and Ellis T. Boonstra, Paterson, N. J.
Application August 3, 1933, Serial No. 683,494
2 Claims. (Cl. 215—95)



1. The herein described generally symmetrical frustro-conical unitary hood for a container having a top external lip forming an underneath shoulder, said hood comprising a flexible cap element having a substantially conical flaring skirt and, in a zone removed from the lower edge of the skirt and to be below said shoulder when the cap element rests on and in capping relation to the container top, a non-resilient pliable element completely encompassing and snugly fitting the skirt and itself substantially symmetrical and of uniform strength, one of said elements having at substantially uniformly spaced points circumferentially of said elements means to secure the band element to said skirt against axial displacement relatively to said skirt and said pliable element, when the hood is placed in capping relation to the container, being adapted to be crimped and thereby contract said skirt below said shoulder to less diameter than the latter and being also conical in the same direction as the skirt.

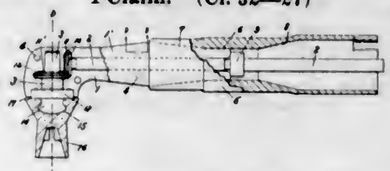
1,982,335
THERMAL RELAY
Harold E. White, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1932, Serial No. 642,420
7 Claims. (Cl. 200—88)

1. In a thermal relay responsive to an alternating electrical condition, a magnetic structure, coil means for energizing said structure, a movable element having actuating means responsive to the magnetic condition of said structure, magnetic restraining means for said movable element including a member magnetically associated with said structure and thermally responsive to a heat loss derived from said coil means, said member consisting of a material having relatively high magnetic permeability at ambient temperatures and substantially no magnetic per-



meability at a predetermined temperature above the ambient range, and contact members controlled by said movable element.

1,982,336
DENTAL TOOL
Adolph D. Wiseman, San Francisco, Calif.
Application December 27, 1932, Serial No. 648,835
1 Claim. (Cl. 32—27)

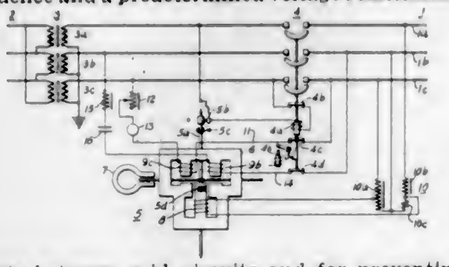


A dental hand piece comprising a split body, each half of said body having half bearings formed therein arranged and adapted to coact to form bearings for a driven and a driving shaft when the halves of the body are together, a driven and a driving shaft rotatably mounted in said bearings, said driven shaft being provided with a driven gear spaced from its opposite ends and a driving gear on the inner end of the driving shaft in mesh therewith, one end of said driven shaft projecting outwardly of a side of the body and terminating at its outer end in a knob for receiving a cleaning and polishing member, the half bearings for said driven shaft being in two pairs disposed respectively on opposite sides of said driven gear and the body being formed to close grease-tight over the inner end of the driven shaft, a disk on the driven shaft at the base of said knob arranged and adapted to coact with the pair of half bearings adjacent thereto and the driven gear for preventing longitudinal movement of the driven shaft when the halves of the body are locked together and means for locking the halves of the body together.

1,982,337
PHASING CIRCUIT FOR NETWORK PROTECTORS
Myron A. Bostwick, North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 21, 1932, Serial No. 648,208
6 Claims. (Cl. 171—118)

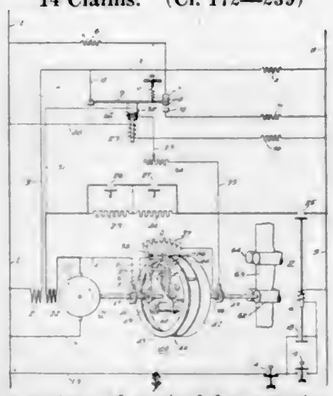
1. In an automatic protector for controlling the connection of a pair of polyphase alternating-current circuits, a circuit breaker, means including a single-element relay for controlling said circuit breaker, said relay having a potential

winding and a pair of windings in cooperative relationship with said potential winding, energizing means for said relay for effecting a closing operation of said circuit breaker when the polyphase voltages of said circuits are of the same phase-sequence and a predetermined voltage relationship



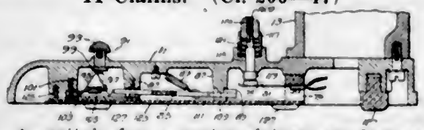
exists between said circuits and for preventing closure of said circuit breaker when the polyphase voltages of said circuits are of different phase sequence, said energizing means including phasing circuits for independently energizing said pair of windings in accordance with phasing voltages of different phase position derived from said circuits.

1,982,338
ACCELERATION CONTROL MEANS
Willard G. Cook, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1933, Serial No. 686,770
14 Claims. (Cl. 172—239)



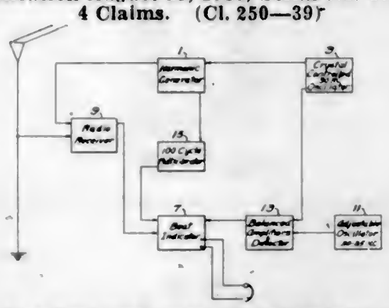
1. In a system of control for a motor, in combination, a motor, a source of energy, means for connecting the motor to said source of energy, a load driven by said motor, and control means responsive to changes of speed of said motor for maintaining the torque delivered by said motor substantially constant.

1,982,339
SWITCH
Ralph Ehrenfeld, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 6, 1933, Serial No. 688,317
11 Claims. (Cl. 200—47)



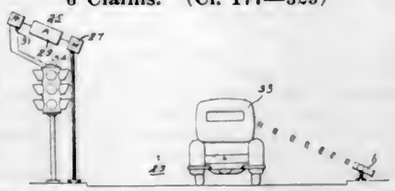
1. A switch for a motor-driven appliance including a motor and an actuated element moved thereby in a cyclic path, said switch including cooperating contact members, manual means to close the switch by movement of one of said contact members and means to open said switch by initial movement of the other contact member by said actuated element at a predetermined point in the cyclic travel thereof.

1,982,340
FREQUENCY MEASURING SYSTEM
Henry C. Forbes, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 19, 1930, Serial No. 476,339
4 Claims. (Cl. 250—39)



4. In a frequency-measuring apparatus, means for generating a non-sinusoidal current of definite frequency whereby a plurality of harmonics are formed, adjustable means for producing currents at one of a number of desired super-audio frequencies, means for controlling said first mentioned generator, said last mentioned means also comprising means for creating an audio beat frequency with the output current of said second mentioned generator, and means for utilizing the output of said non-sinusoidal current generator, and said beat frequency to measure the frequency of a wave of unknown frequency.

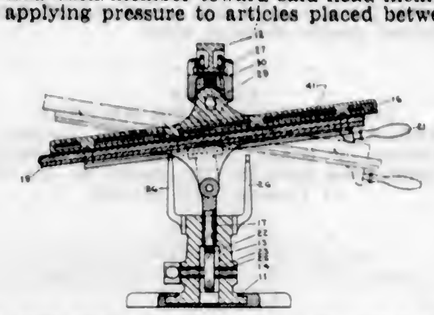
1,982,341
TRAFFIC CONTROL SYSTEM
Richard C. Hitchcock, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application March 24, 1931, Serial No. 524,800
6 Claims. (Cl. 177—329)



2. In a traffic control system for a highway in combination means for generating a beam of supersonic air waves, means for supporting said generating means in such manner that said waves are projected across said highway in a direction to intersect the path of traffic moving only along one side of a predetermined line longitudinal of said highway, means to respond to said waves and traffic signalling means to respond to the condition of said wave-responsive means as it is varied under the influence of traffic moving along said highway.

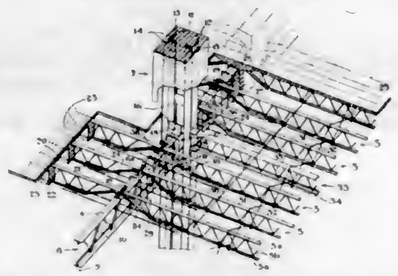
1,982,342
IRONING AND PRESSING MACHINE
Leo M. Kahn, New York, N. Y.
Application May 18, 1932, Serial No. 612,023
10 Claims. (Cl. 68—9)

1. In a device of the class described in combination, a frame, a buck member and a head member each pivotally mounted, means for moving said buck member toward said head member for applying pressure to articles placed between



said members, and means for oscillating said members about their respective pivots for effecting frictional movement relative to each other.

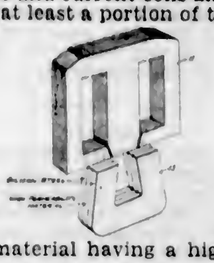
1,982,343
BUILDING CONSTRUCTION
Charles S. Kane, Montreal, Quebec, Canada
Application August 13, 1931, Serial No. 556,793
3 Claims. (Cl. 72—15)



1. A composite metal and concrete building structure including composite columns comprising relatively light self-sustaining lattice type steel column cores embedded in concrete, composite girders supported by said columns, each girder being arranged to span the spaces between a row of columns and consisting of contiguous open web steel trusses embedded in concrete continuous with the concrete components of the columns, the ends of the girder trusses being secured to and supported by the steel column cores and composite floor joists supported between adjacent girders each floor joist comprising a welded open web truss embedded in concrete continuous with the concrete components of the girders, the ends of the steel trusses of the floor joists being supported on and secured to the top chords of the steel trusses of the girders, and the contiguous steel trusses of each girder being joined together in end to end relation to form a continuous beam passing through openings in the steel column cores, the joints between the component girders of said beam being located at points approximating the points of contraflexure or minimum chord stress.

1,982,344
ELECTROMAGNETIC APPARATUS
Isaac F. Kinnard, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 18, 1928, Serial No. 271,042
28 Claims. (Cl. 171—264)

17. An induction meter including in combination a meter disc and driving means therefor including voltage and current coils and a laminated core in which at least a portion of the lamina are



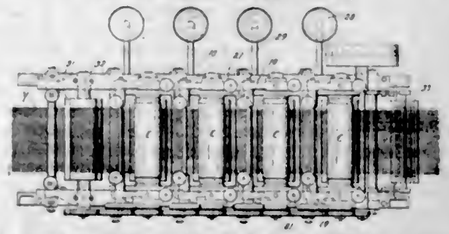
formed of a material having a high initial permeability.

1,982,345
WINDOW WASHER
James B. Kirby, West Richfield, Ohio
Application June 13, 1930, Serial No. 460,912
22 Claims. (Cl. 15—2)



1. In a device of the character described, a tool having both a brush and a squeegee formed from separated squeegee elements attached thereto and projecting in the same direction therefrom, means for advancing and retracting said squeegee and brush one relatively to the other, and tubular means for simultaneously supplying cleansing liquid to the working surface by way of the interior of said squeegee and removing liquid from such surface by way of the exterior of said squeegee.

1,982,346
YARN PRINTING MACHINE
Joseph D. Kreis, Cleveland, Ohio, assignor to The Erie Dyeing & Processing Co., Cleveland, Ohio, a corporation of Ohio
Application May 4, 1932, Serial No. 609,162
Renewed October 4, 1934
20 Claims. (Cl. 101—172)



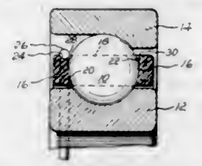
1. In a machine of the class specified, a printing roll, a plurality of printing bars mounted for limited radial movement on said roll, means for driving said roll, and means for actuating said bars, said latter means including a hunting gear and a plurality of radially-movable motion-

transmitting units mounted around and having relative angular shifting movement with respect to the teeth of the gear, said gear having teeth adapted to co-act with said units, the sum of the teeth relative to the units being a prime number.

1,982,347
CAGE OR SEPARATOR FOR BEARINGS

Samuel R. Large, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 29, 1932, Serial No. 649,367
8 Claims. (Cl. 308—201)

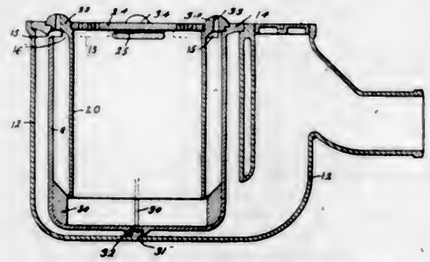


1. In a separator, a body having a series of pockets, rolling elements in the pockets, the pockets in the body having surfaces surrounding and enclosing the rolling elements with entrance openings of a size substantially the same as a corresponding dimension of the rolling elements, and a ring carried by the body and located near the sides of the entrance openings to narrow such openings to a size slightly smaller than said dimension of the rolling elements to provide for snap assembly of the rolling elements in the pockets and the ring having continuous supported engagement with the body; substantially as described.

1,982,348
INTERCEPTING DRAIN

Willard J. Luff, Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application May 14, 1932, Serial No. 611,378
9 Claims. (Cl. 210—56)



1. In an intercepting drain device, in combination, an inlet passage surrounded by a sleeve having an imperforate side wall, said passage being adapted for a downward flow of drainage for mixed light and heavy liquids, a top grating on said sleeve of less passage capacity than said sleeve, an outlet passage surrounding said sleeve, a bucket surrounding said outlet passage and having top discharge openings only, the upper portion of said sleeve having sealing contact with said bucket, a sediment pocket in the bottom of said outlet passage, and drainage means adapted to receive the flow of drainage from said discharge openings, said inlet passage and said outlet passage being adapted to collect in said inlet passage a column of light liquid separated by flotation from the heavy liquid of said drainage and counterbalanced by a column of said heavy liquid in said outlet passage, and to bring said light liquid to a predetermined level above said discharge openings before said light liquid column reaches the bottom of said sleeve, and when said sediment pocket becomes filled.

1,982,349
FOURDRINIER PAPER MACHINE

Francis S. McDonnell, Milton, Mass., assignor to Herbert A. Baker, Norwood, Mass., trustee

Application April 18, 1931, Serial No. 531,154
51 Claims. (Cl. 92—45)

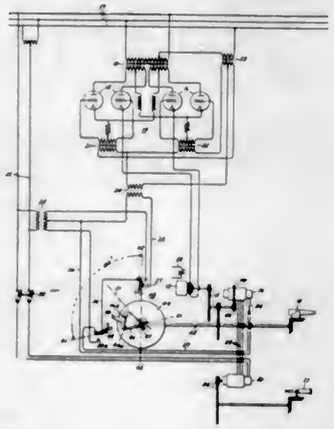


1. A Fourdrinier section of a paper machine having a Fourdrinier wire, a breast roll and a couch roll at opposite ends of said section and suction boxes adjacent to said couch roll for supporting said wire, and means substantially midway between said breast roll and couch roll and spaced at least about five feet from said suction boxes for adjusting the pitch of said wire between the breast roll and means.

1,982,350
CONTROL SYSTEM

Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 25, 1933, Serial No. 686,750
12 Claims. (Cl. 172—239)



1. A follow-up system comprising a pilot device, a driven member, means for driving said driven member, a control circuit for said driving means, means for supplying voltage to said control circuit, and means for reversing the polarity of said voltage if said pilot device and said driven member depart from correspondence by a predetermined amount.

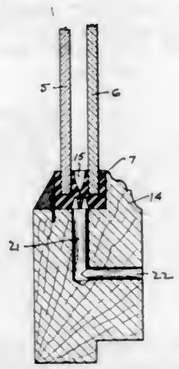
1,982,351
WINDOW

Joseph D. Phillips, Spokane, Wash.

Application April 27, 1934, Serial No. 722,672
1 Claim. (Cl. 20—56.5)

A window comprising spaced glass plates supported in a resilient frame member having air-tight connections therewith, normally closed vents through the resilient frame member, said vents

provided with extending lips in the outer face of the resilient frame member and a rigid frame

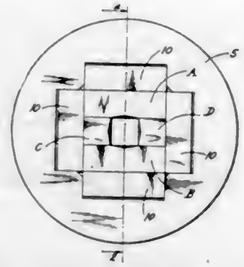


surrounding the resilient frame and pressing on the sides thereof.

1,982,352
DRAWING DIE

Harry Hamilton Richardson, Hamilton, Ontario, Canada, assignor to Union Drawn Steel Company, Massillon, Ohio, a corporation of Pennsylvania

Application July 23, 1934, Serial No. 736,485
7 Claims. (Cl. 205—26)



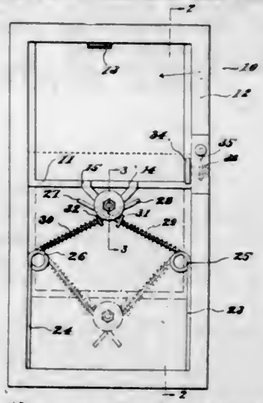
6. The method of cold-drawing elongated polygonal metal sections, such as hot-rolled bar stock, which consists in first gathering the metal along each flat face of the section into the form of an axial ridge or hump and then working the metal so gathered back into the bar to completely fill out the section.

1,982,353
AUTOMATIC WINDOW CONTROL

Fred H. Rowe, Gloucester, Mass., assignor of one-tenth to William L. Hall and one-tenth to Augustus S. Nye, Boston, Mass.

Application December 16, 1933, Serial No. 702,701
2 Claims. (Cl. 16—200)

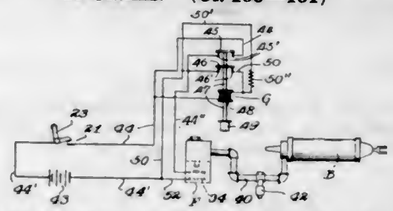
1. In a door having a window frame slidably disposed therein and provided with a cam control mechanism engaging with the side of said window through said door, a closing mechanism comprising a bracket member centrally fixed to the lower edge of said window frame, a shaft member horizontally located through said bracket and provided with disc members rotatably mounted thereon and lever springs internally located against the sides of said door with the lower extremities anchored to said door and further having each of the upper ends slidably secured through one of the said disc members respectively.



1,982,354
ELECTRIC AUTOMATIC BRAKE CONTROL

Frederick I. Rowley, St. Paul, Minn.

Application September 12, 1931, Serial No. 562,468
13 Claims. (Cl. 188—181)

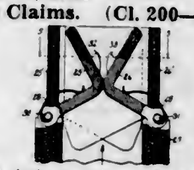


12. An electric control for air brakes for railway car wheels including, a normally closed air valve connected to the brake cylinder, an electric means for opening said air valve to relieve excess braking pressure in the brake cylinder to prevent skidding of the car wheels, and means operable to render said electric means inoperable, said last named means automatically actuated only during a prolonged application of braking pressure.

1,982,355
GAS BLAST SWITCH

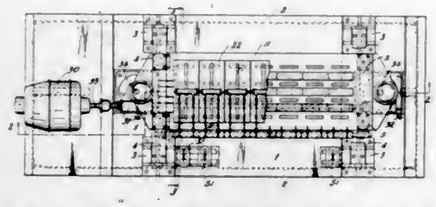
Sigwart Ruppel, Berlin, Germany

Original application July 29, 1929, Serial No. 381,945, now Patent No. 1,947,230, dated February 13, 1934. Divided and this application September 23, 1933, Serial No. 690,682. In Germany August 6, 1928
12 Claims. (Cl. 200—148)



1. A circuit interrupter of the gas-blast type comprising relatively movable contact structure, said contact structure having complementary configurations forming therebetween a nozzle-like gas passage including a restricted portion during separation thereof, and means for directing gas at high velocity to said contact structure for causing separation of the same at said restricted portion, said gas exhausting between said structure and through said nozzle-like passage.

1,982,356
SCRUBBING DEVICE
Clyde M. Rutter, Massillon, Ohio, assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
Application August 19, 1932, Serial No. 629,529
7 Claims. (Cl. 15—77)



1. In apparatus for scrubbing strip material, a pair of upper and lower horizontally disposed brush-supporting members, brush members secured to said members in opposed relation, means for suspending the lower supporting member for bodily circular movement, means connecting said lower member with said upper member whereby the upper member is permitted a floating action in a substantially vertical plane, and means for imparting bodily circular movement to the lower member in a horizontal plane to thereby impart a like movement to said upper member and the brushes carried by said members.

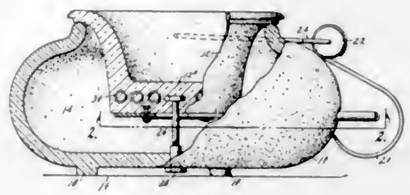
1,982,357
SHOE SHANK
Alfred D. Sebastiani, Montreal, Quebec, Canada
Application March 6, 1933, Serial No. 659,733
In Canada February 16, 1933
3 Claims. (Cl. 36—76)



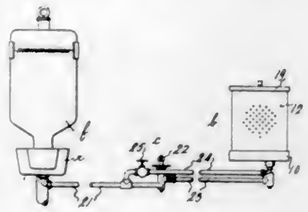
1. An articulated shank or arch support for shoes comprising a transversely curved intermediate section provided with substantially T-shaped openings adjacent its opposite ends, and a pair of terminal sections having T-shaped projections at their inner ends adapted to be passed through said openings to provide interlocking connections between said sections, the heads of said projections being transversely curved to conform to the transverse curvature of the intermediate section and to lie snugly thereagainst.

1,982,358
METHOD FOR EXTERMINATING MOTHS
John E. Smith, Belleville, Ill., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri
Application November 21, 1932, Serial No. 643,619
1 Claim. (Cl. 43—129)

A method for exterminating moths and the like comprising, first, the heating of a receptacle formed of pottery and having a predetermined volume of material therein to a red hot condition and, second, the placing of a predetermined amount of exterminating chemical therein to be evaporated by the heat therefrom, said pottery receptacle, said predetermined volume of material and the temperature attained by heating said receptacle to a red hot condition being such as to evaporate said chemical without such evaporation cooling said receptacle to a temperature below the boiling point of the exterminating chemical.



1,982,359
OIL BURNER
Seth G. Smith, Springfield, and Edmund E. Morand, Westfield, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application July 30, 1932, Serial No. 626,418
3 Claims. (Cl. 158—87)

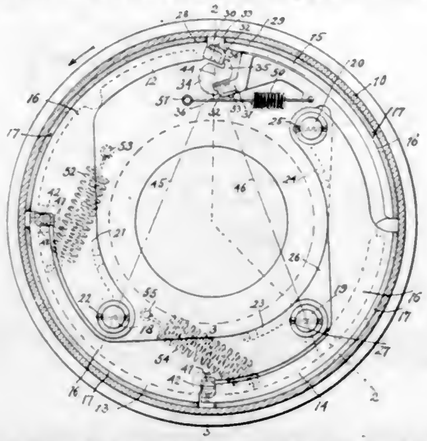


1. In an oil burner, a burner base having an endless groove therein, a pair of perforated tubes extending upwardly one from each side wall of said groove and affording therebetween a combustion chamber in overlying relation with said groove, a pair of dams dividing off said groove into two sections, one of which is shorter than the other, means providing for a continuous supply of oil to the shorter section of said groove, means providing for an intermittent supply of oil to the other section of said groove, a wick in said shorter section, and means partitioning off that section of the combustion chamber which overlies the shorter groove.

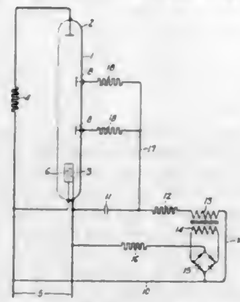
1,982,360
BRAKE
Lyle K. Snell, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 19, 1929, Serial No. 400,776
14 Claims. (Cl. 188—78)

1. A brake comprising a drum, a supporting member adjacent said drum, a plurality of shoes pivotally mounted on said supporting member, each of said shoes being adapted and arranged for frictional engagement with said drum, and

floating roller means disposed intermediate said shoes whereby braking force applied to one of said pivoted shoes is transmitted to another of said pivoted shoes.

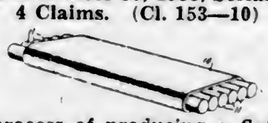


1,982,361
LIGHT FLASHING APPARATUS
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1932, Serial No. 648,661
5 Claims. (Cl. 176—124)



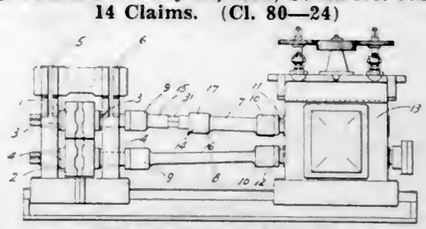
1. In combination, a source of alternating current supply, a discharge lamp connected therewith and provided with a starting anode, and means energized from said source and consisting of relatively fixed parts for supplying to said anode a current which alternates at the same frequency as said current supplied and which pulsates at a frequency less than the frequency of said current.

1,982,362
METHOD OF PRODUCING FLATTENED METAL TUBES
Louis E. Trembley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 30, 1933, Serial No. 704,694
4 Claims. (Cl. 153—10)



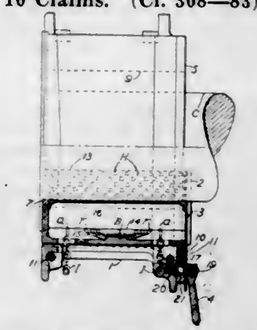
1. The process of producing a flattened tube, said process including the steps of placing a plurality of rods side by side in a tube, and flattening the tube with the rods therein.

1,982,363
ADJUSTABLE SPINDLE COUPLING
Glenn E. Wheeler, Buffalo, N. Y., assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
Application February 23, 1932, Serial No. 594,509
14 Claims. (Cl. 80—24)



1. In a die rolling mill including a pair of die rolls, a spindle for driving one of said rolls, means carried by said spindle for effecting a circumferential adjustment between said die rolls, said means comprising threaded members having abutments thereon, and adjustable means disposed intermediate said threaded members for precluding axial movement of said abutments toward each other.

1,982,364
JOURNAL LUBRICATOR FOR DRIVING-BOXES OF A LOCOMOTIVE
David M. Wilks, Moncton, New Brunswick, Canada
Application July 30, 1932, Serial No. 626,693
In Canada January 28, 1932
10 Claims. (Cl. 308—83)



9. Lubricating mechanism for journal boxes comprising a lubricant holder, a mounting therefor and an end plate for the holder, means for securing the end plate to the holder, said end plate being adjustable towards and away from the journal, said means also constituting securing means for fastening the holder on its mounting.

1,982,365
CIGARETTE ROLLING MACHINE
James W. Ash, Middletown, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application August 22, 1931, Serial No. 558,647
3 Claims. (Cl. 131—5)

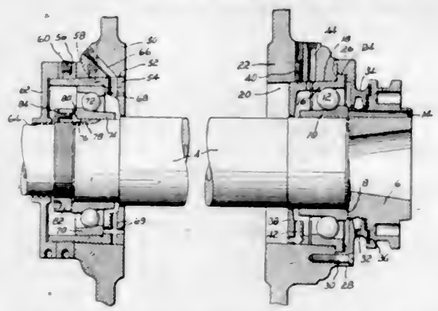
1. In a cigarette rolling machine, a roller, means for rotating said roller, a second roller, a flexible web co-extensive in width with the length of said first mentioned roller and attached at its ends to said first roller and passing about and enclosing said second roller, said rollers being so arranged that a pocket is formed in said web between said rollers to receive the tobacco and a paper cover, whereby as said first roller is rotated the paper is caused to encircle said tobacco to

form a cigarette and means for regulating the capacity of said pocket, consisting of a plate attached to one end of the web, said plate having



transverse slots and means passing through said slots and adapted to fixedly hold the plate to said first mentioned roller.

1,982,366
BEARING MOUNTING
John H. Baninger, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 8, 1932, Serial No. 603,932
11 Claims. (Cl. 29—84)

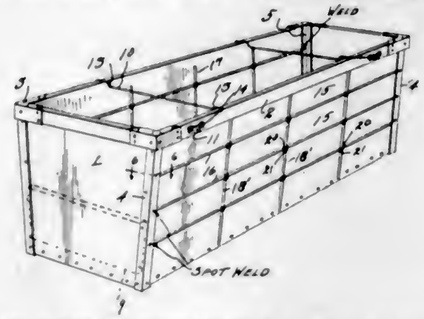


1. In a bearing mounting, a shaft, a housing having a tapering seat, an angular contact bearing between the shaft and the housing and comprising an inner race ring, an outer race ring and rolling elements, the outer race ring having a tapering outer surface to fit in said tapering seat, a flange on said race ring, and means for causing axial movement of the shaft with respect to the housing to compress the outer race ring into its tapering seat with the flange against an abutment face; substantially as described.

10. The method of seating an antifriction bearing, which consists in mounting a conically surfaced race ring in no-pressure contact with a conical seat, and in forcing the race ring a predetermined distance along said conical seat from the point of no-pressure contact to a point wherein the race ring is forcibly pressed radially against its seat; substantially as described.

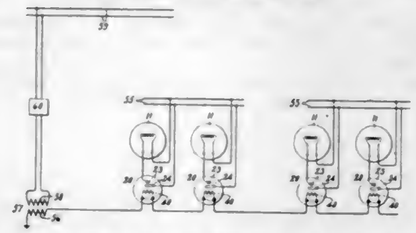
1,982,367
BOX OR CRATE
Walter O. Brown, Detroit, Mich.
Application August 18, 1930, Serial No. 475,883
10 Claims. (Cl. 217—36)

10. A nesting box or crate of rectangular form having a bottom, a pair of side walls, a pair of end walls and an open top greater in length and width than the bottom, a pair of stacking irons U shaped in form, the two legs of both irons being respectively pivotally associated with the respective opposite side walls near the top and adjacent the respective end walls, said irons being movable to position the portion connecting the legs thereof on the upper edge of the side walls of the box transversely of the open top on the same side of the transverse center plane of the box as its pivotal connection to thereby provide a support for a second box each side of its transverse



center plane, or movable to a position to permit a second box to be nested therein.

1,982,368
REMOTE CONTROL SYSTEM FOR ELECTRIC CIRCUITS
Henry E. Butler, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application August 16, 1932, Serial No. 629,026
11 Claims. (Cl. 171—97)



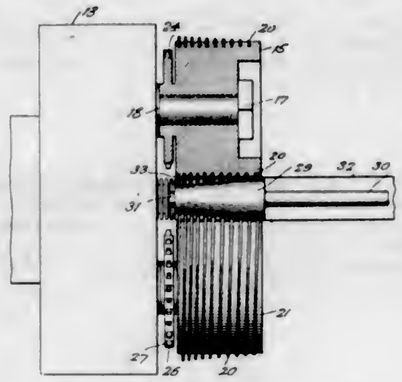
5. In a street lighting system, the combination of a lamp, a thermostatic switch in the circuit of the lamp, a heating unit for effecting the operation of said switch and for indicating the open and closed positions of said switch respectively, and a control switch in the circuit of said unit.

11. In a thermostatic switch, the combination of a pair of contacts operable to open and closed positions, a thermostatic element arranged to operate said contacts, a heating unit arranged to glow at a high brilliancy when the said contacts are in one of said positions and a lower brilliancy when said contacts are in the other of said positions whereby a light indication of the position of said contacts is obtained, and a glass envelope arranged to transmit said indication.

1,982,369
METHOD AND MACHINE FOR MAKING CORRUGATED TUBES
Louis H. Brinkman, Glen Ridge Borough, N. J.
Application June 26, 1930, Serial No. 463,858
18 Claims. (Cl. 153—73)

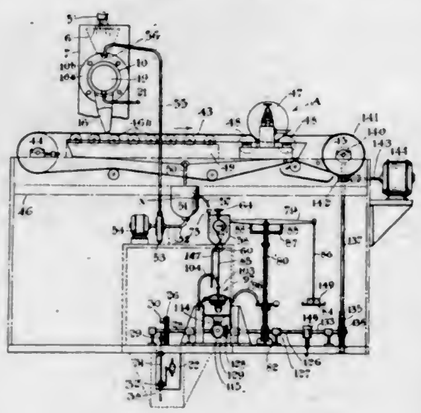
1. In a device for forming a series of individual identically shaped, longitudinal, wave forms in the wall of a cylindrical tube, in combination: a plurality of forming rolls spaced from each other and from a central point lying between them, each roll being mounted for free rotation on its longitudinal axis, each roll being identically formed, each roll having a periphery shaped to form a helical protuberance of gradually increasing pitch from one end, at which the pitch is substantially equal to that of the longitudinal wave form to be formed in a tube, to the other end, and which protuberance gradually decreases

in height from the said one end at which it is the height of the distance from the crest to



the trough of the wave form to be formed in the tube.

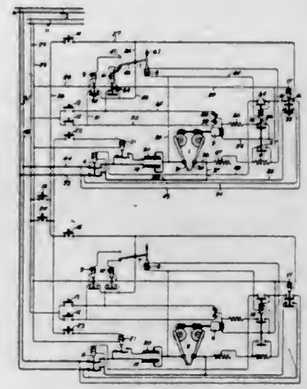
1,982,370
STOCK CONSISTENCY INDICATING AND REGULATING APPARATUS FOR PULP AND PAPER MAKING MACHINES
Russell Carpenter, Wayagamack Island, Three Rivers, Quebec, Canada
Application June 26, 1933, Serial No. 677,556
11 Claims. (Cl. 92—46)



1. Apparatus for indicating the consistency of the pulp stock supplied to a pulp or paper making machine, comprising means for extracting a sample from the main body of stock, a weighing apparatus, and means for delivering liquid from the sample to the weighing apparatus so that the quantity of liquid thus supplied to the weighing apparatus is determined by the consistency of the main body of stock at the time the sample is taken.

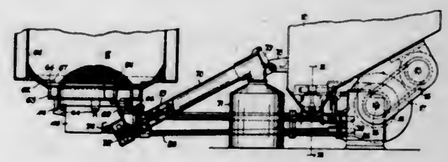
1,982,371
ARC WELDING SYSTEM
James T. Catlett, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 19, 1933, Serial No. 690,090
5 Claims. (Cl. 219—8)

1. An arc welding system comprising means responsive to an electrical characteristic of the welding circuit for feeding an electrode toward and away from a cooperating electrode to strike and thereafter maintain a welding arc, means for initially connecting said electrodes to a source of supply through a high impedance circuit, and



means for thereafter connecting said electrodes to said source of supply through a low impedance circuit at substantially the same time that said electrodes are separated from engagement with one another to strike the welding arc.

1,982,372
FURNACE STOKER
Andrew Christianson, Butler, Pa.
Application July 13, 1933, Serial No. 680,272
11 Claims. (Cl. 110—45)



1. The combination with a furnace having a fire pot and means for feeding solid fuel into the lower portion of the pot, of a collar disposed peripherally of the pot and having a lip overlying the upper edge of the pot in position to support a portion of the fuel bed, means for imparting rotative movement to the lip relative to the pot, and ash disposal means located peripherally of said lip, the said lip being spaced from the upper edge of the pot to permit the introduction of air to the fuel bed in the pot.

1,982,373
CATHODE RAY TUBE
Reginald C. Clinker, deceased, late of Rugby, England, by Hilda Gray Clinker, executrix, Bristol, and Leonard J. Davies, Rugby, England, assignors to General Electric Company, a corporation of New York
Application January 27, 1932, Serial No. 589,274
In Great Britain February 4, 1931
2 Claims. (Cl. 250—27.5)

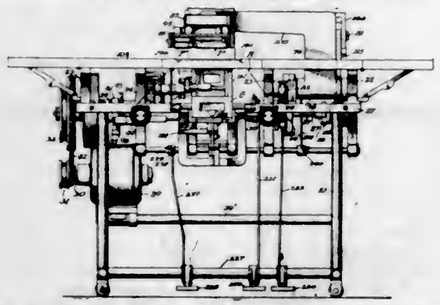
1. A cathode ray tube comprising an envelope containing a source of electrons, means for deflecting the electrons and a layer of material on the envelope remote from said electron source,

said layer comprising carbon in finely divided form, and electrodal means for causing the elec-



trons to strike said layer with a velocity sufficient to produce fluorescence of the carbon.

1,982,374
PRINTING MACHINE
Edwin C. Colyer, Chicago, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application January 5, 1931, Serial No. 506,533
84 Claims. (Cl. 101—57)

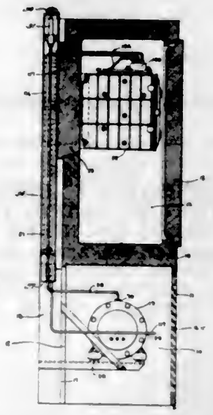


1. In a printing machine, means for moving printing devices therethrough, a platen for making impressions from the printing devices through an ink ribbon, an ink ribbon moving device motivating means, a galley, a packer for collecting the printing devices in the galley after movement thereof past the platen, an operating shaft for the printing device moving means, a rotary drive shaft, and independent means on the drive shaft for operating the platen, the ink ribbon moving device motivating means, the operating shaft, and the packer.

36. In a device for feeding printing devices through a printing machine in a step-by-step manner, means moving in a substantially rectangular orbit for feeding said devices, and means for operating said moving means to advance said devices a step in the step-by-step movement thereof in each orbital movement of the moving means, the operating means moving said moving means in an amount greater than the length of the printing devices whereby said printing devices are moved in an amount greater than their length in each orbital movement of the moving means.

77. In a printing machine, means for moving printing devices therethrough, a platen, operating means, a clutch controlling the operation of said operating means, a member controlling the operation of said clutch, a latch for holding said platen in inoperative position during a cycle of operation of the operating means, means for operating said latch, means for operating said member without operating the means operating said latch to effect engagement of said clutch, and means for operating said member to effect engagement of said clutch and to operate said latch whereby the machine may be operated without operating said platen.

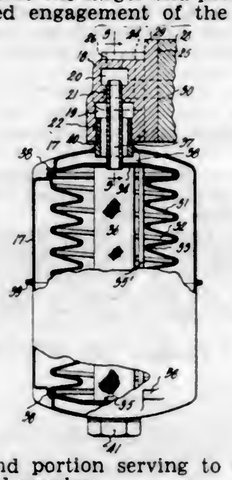
1,982,375
REFRIGERATOR
Frank Conrad and Christian Aalborg, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application July 8, 1927, Serial No. 204,401
12 Claims. (Cl. 62—116)



1. A self-contained mechanical refrigerator comprising a cabinet having superposed compartments including an insulated food storage compartment having a movable closure and a machine compartment, an insulating partition between said compartments, a compression unit disposed in the machine compartments, a removable portion formed in a wall of the food storage compartment, a heat-absorbing unit mounted on said removable portion, a common supporting means for the compression mechanism and the removable wall portion and refrigerant conduits operatively connecting the compression and heat-absorbing units, said conduits extending for a considerable portion of their length substantially parallel to the common supporting means.

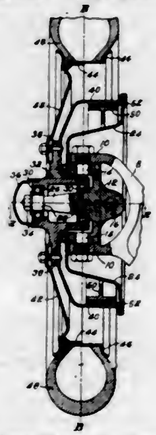
1,982,376
CONNECTION FOR FILTERS AND THE LIKE
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application May 31, 1933, Serial No. 673,718
2 Claims. (Cl. 210—164)

2. In combination, a coupling member having inlet and outlet passages each adapted at one end for connection to a pipe line, the other ends of said passages terminating with cylindrical end portions of different diameters and disposed in radially spaced concentrical relation, a filter having fixed thereto inlet and outlet pipes of different diameters disposed in radially spaced concentrical relation, both said pipes having open outer ends, the smaller pipe removably mounted in the smaller end portion with a slip fit, the larger pipe being threaded into the larger end portion and the screw threaded engagement of the larger pipe



and larger end portion serving to support the filter from said member.

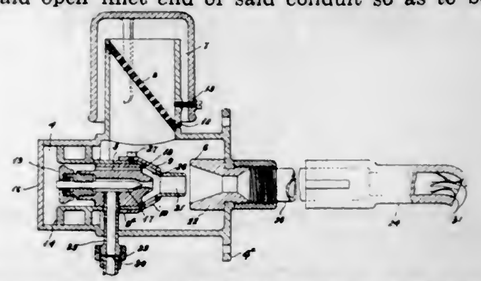
1,982,377
VEHICLE WHEEL
John Fabien Duby, Boston, Mass.
Application April 14, 1932, Serial No. 605,222
14 Claims. (Cl. 280—96.3)



1. A vehicle dirigible unit comprising a wheel having a tire, a brake drum attached to said wheel, a steering knuckle, braking mechanism carried by the knuckle, means connecting said knuckle to a vehicle chassis, said means including a knuckle pin; said unit, comprising the wheel and knuckle with their associated parts which turn about the king pin as a common axis, having their combined masses so distributed that a horizontal line parallel with the direction of vehicle travel passing approximately through the center of gravity of the dirigible unit will intersect the axis of the king pin.

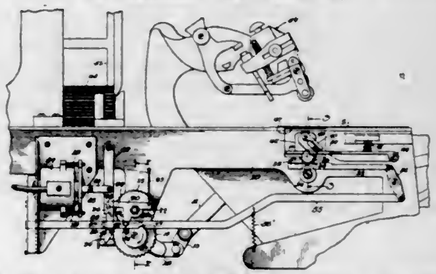
1,982,378
STEAM JET PUMP
James Garvie, Bedford Park, London, England
Application September 9, 1932, Serial No. 632,465
In Great Britain October 20, 1931
3 Claims. (Cl. 230—95)

1. In a steam jet pump for delivering steam and air into a furnace for eliminating smoke, a box, an air inlet conduit extending laterally from one side of said box, a steam jet accommodated in said box, an outlet in one end of said box opposite which is located the emission end of said jet, a Venturi tube fitted in said outlet, an outer open inlet end of said air conduit, and a substantially bell shaped cap fitted over and about the said open inlet end of said conduit so as to be



annularly spaced therefrom so as to provide an annular air passage about the said air conduit, a baffle in said air conduit, said bell shaped cap having an open inlet located between the ends of the air conduit, a steam and air emission tube being fitted to the outer end of said Venturi tube.

1,982,379
PRINTING MACHINE
Walter T. Gollwitzer, Chicago, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application May 5, 1930, Serial No. 449,777
21 Claims. (Cl. 101—47)



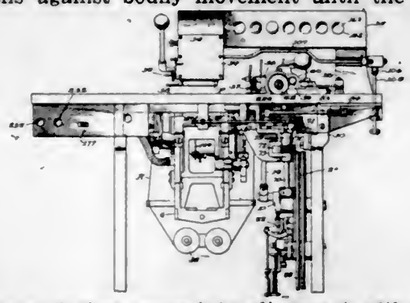
1. In combination with a printing machine through which printing devices are sequentially passed, an auxiliary printing mechanism, means operable from the operating means of the printing machine for operating said auxiliary printing mechanism, electrical means for controlling the operating means for the auxiliary printing mechanism, and means controlled by members on the printing devices for determining the operation of the electrical means.

1,982,380
PRINTING MACHINE
Walter T. Gollwitzer, Chicago, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application April 15, 1931, Serial No. 530,204
79 Claims. (Cl. 101—58)

1. In a printing machine, means for moving groups of printing devices through the machine, and means for indicating the number of printing devices in a group thereof being moved through the machine.

34. In a printing machine, printing means, means sequentially moving lead and follower printing devices past printing means, bodily movable means for moving a sheet relative to the printing device aligned with the printing

means, and means for holding said sheet moving means against bodily movement until the lead



printing devices move into alignment with said printing means.

1,982,381

METHOD OF MAKING A MATERIAL FOR USE IN CAULKING, PACKING, LAGGING, OR COVERING, AND FOR OTHER PURPOSES

Eugene Victor Hayes-Gratze, Kensington, London, England

No Drawing. Original application March 7, 1933, Serial No. 659,984. Divided and this application August 23, 1933, Serial No. 686,442. In Great Britain March 12, 1932

2 Claims. (Cl. 28—1)

1. A method of producing a material for use in caulking, packing, lagging or covering and for other purposes, consisting firstly in softening natural vegetable fibres and making them permeable to an agglutinating material by treating them with a reagent prepared by treating a neutralized sulphonated oil to an electric ionization process, secondly; carding the softened fibres, thirdly; spinning the fibres into yarn, fourthly; weaving the yarn to produce a textile material, fifthly; immersing the textile material in a solution of agglutinating material, sixthly; compressing the material to exclude surplus solution and to mould it to shape according to its intended use, as set forth.

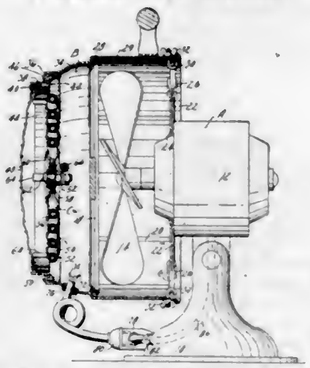
1,982,382

HEATER ATTACHMENT FOR FANS

William E. Gundelfinger, St. Louis, Mo., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri

Application December 26, 1931, Serial No. 583,168

7 Claims. (Cl. 219—39)



1. A heater structure for fans comprising a support, a ring therein L-shaped in cross section and located adjacent one end thereof, a screen over said end having a peripheral flange held between one flange of said ring and said support, the other flange of said ring being secured to said support and a grid-like heating element mounted within said support adjacent said screen.

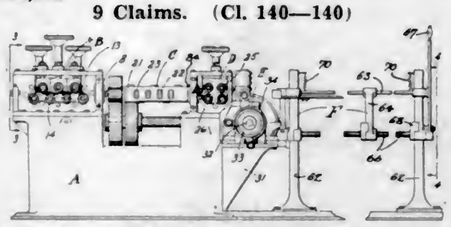
1,982,383

APPARATUS FOR SEVERING A MOVING ARTICLE

Karl William Hallden, Thomaston, Conn., assignor to Steel and Tubes, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 21, 1928, Serial No. 271,715, now Patent No. 1,836,712, dated December 15, 1931, which is a continuation of application Serial No. 197,856, June 10, 1927. Divided and this application June 22, 1931, Serial No. 545,923

9 Claims. (Cl. 140—140)



1. In a machine for working on a moving article, the combination of means for straightening an article, and a shearing device including a cutter adapted to move with the article independently thereof in the direction of its travel and a trough adapted to receive material moving from said cutter, a clutch mechanism for effecting operation of said cutter and means including a trip which projects into said trough in the path of the material moving from said cutter whereby said clutch is adapted to be automatically actuated.

1,982,384

PROCESS FOR MAKING ELECTRICAL CUT-OUTS

Edgar A. Harty, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application February 12, 1932, Serial No. 592,654

3 Claims. (Cl. 200—118)

1. A process for manufacturing copper oxide cut-outs having predetermined voltage breakdown characteristics which comprises heat treating copper metal at about 1000° C. for a definite period of time, annealing the heat-treated metal at a temperature of 150° C.–600° C. for a definite period of time and subsequently cooling the annealed metal to room temperature, the annealing temperature, the period of time of annealing, and the period of time of cooling of the annealed metal to room temperature being varied in accordance with the breakdown voltage desired in said cut-outs.

1,982,385

COMPOSITE POROUS AND MICRO-POROUS ARTICLES

Ernst Alfred Hauser, Wimpassing I. Schwte, Austria, assignor to Kaysam Syndicate Limited, London, England, a British company

No Drawing. Application November 23, 1933, Serial No. 699,409. In Germany December 1, 1932

12 Claims. (Cl. 18—53)

12. The process of manufacturing rubber articles having clearly defined microporous and non-porous portions comprising the following steps; forming the article of microporous gel, mechanically expressing the water from the gel along definite lines of division therein between the microporous and non-porous portions, drying the non-porous portions to remove the water therefrom, vulcanizing the entire article and during the step of vulcanizing keeping the microporous portions moist and isolating the dried non-porous portions from such moisture.

1,982,386

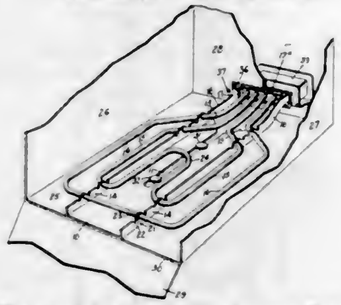
OVEN

George W. Heinbuch, Toronto, Ontario, Canada, assignor to General Electric Company, a corporation of New York

Application May 4, 1931, Serial No. 534,716

In Canada July 16, 1930

13 Claims. (Cl. 219—35)



3. The combination with an oven having walls defining a heating chamber, a current input socket in one wall of said chamber, a headed stud projecting inwardly from one wall of said chamber and a heating unit comprising a heating element provided with terminals and a frame supporting said heating element and terminals, said frame being provided with a member having a slot therein for receiving said stud to guide said heating unit to its working position in said heating chamber wherein said terminals electrically engage said input socket, the head of said stud retaining said unit in said position.

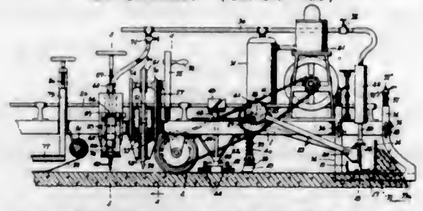
1,982,387

ROAD BUILDING MACHINE

John N. Heltzel, Warren, Ohio

Application September 30, 1927, Serial No. 223,161

44 Claims. (Cl. 94—45)



1. A road building machine including a frame, a screed, a joint blade, and means on the frame for oscillating the screed forwardly and rearwardly over the blade.

1,982,388

GOLF BAG STAND

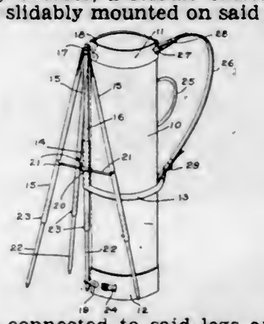
George August Huehn, Wiarton, Ontario, Canada

Application January 17, 1934, Serial No. 707,017

In Canada October 19, 1933

2 Claims. (Cl. 150—1.5)

2. In a golf bag and stand as described, a bag, a guide rod extending longitudinally of said bag and secured at its upper and lower ends thereto, a plurality of legs concentrically positioned with respect to said guide rod having their upper ends pivotally secured to the upper end of the guide rod, a ring member encircling said bag and slidable longitudinally thereof, a ferrule carried by said ring member slidably mounted on said guide rod,



pivotal arms connected to said legs and ferrule for opening and closing said legs when said ring is lowered and raised and a shoulder strap connected at one end to said bag and at its opposite end to said ring.

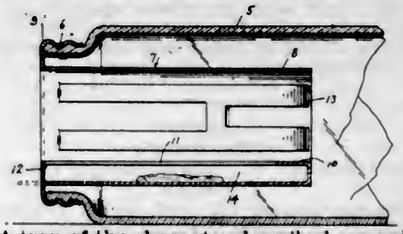
1,982,389

RODENT TRAP

Alfred M. Johnson, Arlington, Wash.

Application October 12, 1933, Serial No. 693,342

2 Claims. (Cl. 43—66)



1. A trap of the character described comprising a container, a threaded neck at one end of the container, a cap for the said threaded neck, said cap being provided with an opening therein, a tunnel-like structure extending from the cap at the edge portion of the opening therein toward the interior of the container, non-return closure means in the said tunnel-like structure, said tunnel-like structure being provided with a slotted super-floor spaced from the bottom of the tunnel-like structure to provide a bait compartment beneath the same, and a movable closure at the cap end of the compartment.

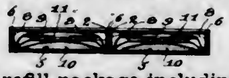
1,982,390

PACKAGE

Thomas J. Lewis, New York, N. Y.

Application October 12, 1932, Serial No. 637,533

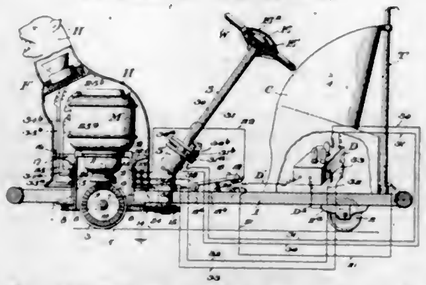
1 Claim. (Cl. 206—44)



A compact refill package including a case containing a compact refill and comprising a tray and a cover, said tray consisting of a bottom and a rectangular wall, said cover consisting of a top and depending flaps, the ends of the flaps being free of one another and of resilient material and frictionally engaging the inner surface of the walls of the tray, said cover having an aperture in its top through which a finger may be inserted for the removal of the cover and for the display of the compact refill, and a sheet of transparent material arranged in the case between the compact refill and the top of the cover, and loosely

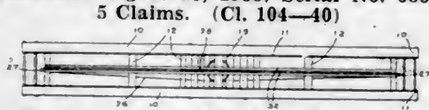
held in contact with the cover by the compact refill, the outer edge of said sheet of transparent material being normally held in contact with the bottom of the tray by the depending flaps of said cover.

1,982,391
AMUSEMENT DEVICE
Fred Lawrence Markey, Lawrence, Mass., assignor to Dodgem Corporation, Lawrence, Mass., a corporation of Massachusetts
Application February 17, 1932, Serial No. 593,581
11 Claims. (Cl. 272—1)



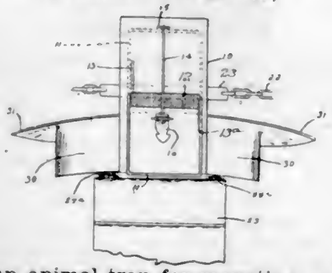
1. An occupant-controlled amusement device comprising a car having an operator's seat, steering means, a rotatable unit including a concealed traction and steering wheel operatively connected with said steering means, and a hood including direction indicating means carried by said rotatable unit.

1,982,392
TURNTABLE
Archie McKone, Vancouver, British Columbia, Canada
Application August 16, 1933, Serial No. 685,437
5 Claims. (Cl. 104—40)



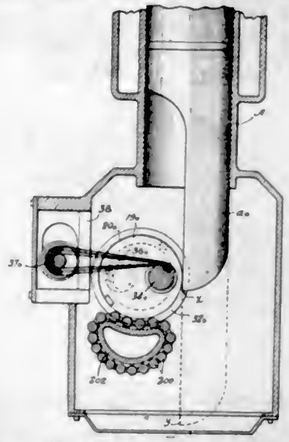
1. In a turntable of the type described, a rotatably mounted turntable structure, a stationary base structure, a stationary pivot shaft secured thereto having a drum keyed on the upper end thereof means connected to said drum and means carried by a vehicle on said turntable structure to actuate said first mentioned means and set said turntable structure in motion by the motion of said vehicle.

1,982,393
ANIMAL TRAP
Percy Lorne Miller, Wakeham, Quebec, Canada
Application September 25, 1933, Serial No. 690,918
3 Claims. (Cl. 43—89)



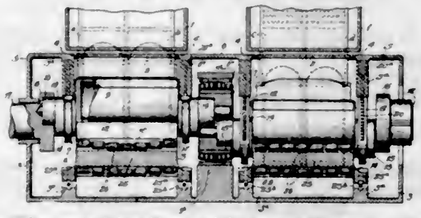
1. In an animal trap for mounting on a tree, a spring trap, means securing said trap to the tree in a vertical position, an inclined runway extending downwardly from said trap for leading animals from the ground to the trap, and a guard member extending around the tree from opposite sides of said trap for directing the course of animals climbing the tree towards said trap and runway.

1,982,394
SHAFT ROTATING MEANS FOR INTERNAL COMBUSTION ENGINES
Ballard N. Morris, Silver Spring, Md.
Application May 23, 1933, Serial No. 672,487
31 Claims. (Cl. 74—25)



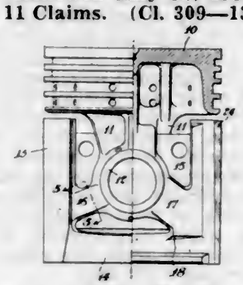
1. The combination with a shaft of a curved surface member, a flexible member attached to the latter so as to be windable thereon and unwindable therefrom, and means connecting the curved surfaced member and the shaft comprising a part moved by the curved surfaced member, but set off from an axis, about which the curved surfaced member moves, so that said part not only derives angular movement from the member but also moves bodily toward and from a fixed point, a fixed element, and means relating said part to said fixed element, such that, upon turning the curved surfaced member, as by a pull on the flexible member wound thereon, it will turn the shaft to a certain extent and that a further turning by the shaft will turn the curved surfaced member in the opposite direction and wind the flexible member thereon.

1,982,395
SHAFT ROTATING MEANS
Ballard N. Morris, Silver Spring, Md.
Application September 27, 1933, Serial No. 691,202
18 Claims. (Cl. 74—37)



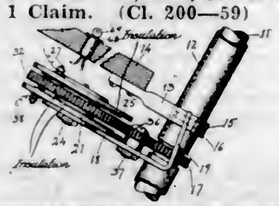
1. The combination with a shaft, of a curved-surfaced member, a flexible member attached to the latter, so as to be windable thereon and unwindable therefrom, and means connecting the curved-surfaced member to the shaft, comprising a part moved by the curved surfaced member, but set off from an axis about which the curved-surfaced member moves, so that said part, not only derives an angular motion from said member, but also moves toward and from a fixed point, a fixed element and means relating said part to the fixed element, such that upon turning the curved-surfaced member, as by a pull on the flexible member, when wound thereon, it will turn the shaft to a certain extent and that a further turning of the shaft will turn the curved-surfaced member in the opposite direction and wind up the flexible member thereon; a part of the mechanism above defined being a ribbed or cleated band or strap and a plate having shoulders engaging the ribs or cleats and drawing the band or strap and so successively applying stress to limited stretches of the band or strap.

1,982,396
PISTON
Adolph L. Nelson, Detroit, Mich.
Application June 27, 1929, Serial No. 374,013
Renewed May 12, 1931
11 Claims. (Cl. 309—13)



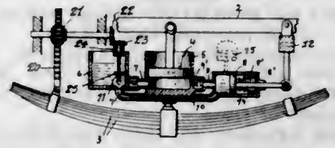
1. A piston comprising a head, piers depending from the head and having piston pin bosses formed therein, a circular portion at the lower end of the piston, cylinder-bearing portions extending upwardly from the circular portion, a pair of struts extending between the cylinder-bearing portions, a pair of ties extending along the outside of each strut from each pin boss to the cylinder-bearing portions, a pair of ties extending along the inside of each strut from each pin boss to the cylinder-bearing portions, the inside ties extending around the lower edge of a strut and then joining the lower circular portion.

1,982,397
SWITCH DEVICE FOR AUTOMOBILE SIGNALS
John J. O'Donnell, Yonkers, N. Y.
Application December 21, 1933, Serial No. 703,329
1 Claim. (Cl. 200—59)



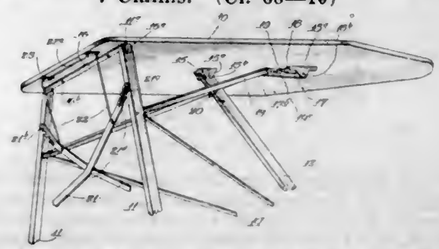
Switching mechanism for automobile signal lamps comprising a bracket member including a pair of spaced L-shaped members adapted to engage the steering column supporting bracket on opposite sides of the steering column, a split gear adapted to be mounted on the steering shaft, an intermediate gear rotatably carried by said first bracket member and meshing with said split gear, an insulating gear meshing with said intermediate gear, a pair of insulating disks fixedly carried by said first bracket one on each side of said insulating gear, an annular contact carried by one of said disks, a wiper carried by said insulating gear engaging said annular contact, a pair of segmental contacts carried by the other of said disks in spaced relation to each other, and a second wiper connected to said first wiper and carried by said insulating gear opposite from said first contact and engageable with one segmental contact upon rotation of the insulating gear in one direction and engageable with the other segmental contact upon rotation of the insulating gear in the opposite direction.

1,982,398
REGULATING DEVICE FOR DAMPERS FOR ELASTIC VEHICLE SUSPENSIONS
Henri Pieper, Brussels, Belgium
Application October 13, 1932, Serial No. 637,629
In Belgium October 17, 1931
6 Claims. (Cl. 267—31)



1. A regulating device for dampers for elastic vehicle suspensions comprising in combination a pump having its piston connected to the vehicle frame and its cylinder to the vehicle axle, a reservoir, an incompressible liquid contained in said reservoir, a conduit connecting said reservoir to said pump cylinder, a check valve arranged in said conduit and opening towards said pump cylinder, a receiver constituted by a cylinder and a piston, a conduit connecting said receiver cylinder to said pump cylinder, a valve inserted in said latter conduit and opening towards said receiver cylinder, another conduit connecting said receiver cylinder and said reservoir and having a diameter relatively small with respect to the diameter of said conduit connecting said receiver to said pump cylinder, a return spring acting upon said receiver piston and means adapted to connect said receiver piston to said vehicle suspension to increase its resistance when displaced by the action of said pump.

1,982,399
FOLDING IRONING TABLE
John A. Reitze, Chicago, Ill.
Application June 4, 1934, Serial No. 728,989
7 Claims. (Cl. 68—10)



1. An ironing table having a pair of upstanding legs adjacent one end portion thereof and foldable in the direction of the other end portion, braces extending from the legs toward the table top and converging in forward direction, and a link between the forward ends of the braces and the table top, the link making an obtuse angle with the braces as the legs are unfolded, and the joint between the link and the braces being break-

able in the direction of the table to form an obtuse angle in the opposite direction and lock the legs in the upstanding position, the link having a lateral slot, and a turnbutton carried by the underside of the table top and swingable to engage the slotted portion of the link and retain the latter close to the table top.

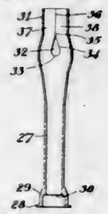
2. An ironing table having a pair of upstanding legs adjacent one end portion thereof and foldable in the direction of the other end portion, and means for spreading said legs laterally as they are unfolded to the standing position, said means comprising crossed arms carried by the legs, and separate means pivotally carried by the table top in offset relation to the pivots of said legs, said last named means being pivotally engaged with said arms to shift the same and thereby spread the legs laterally as said legs are unfolded as aforesaid, and means for guiding the movement of said arms when the same are shifted.

1,982,400

METHOD OF FORMING AXLE HOUSINGS FOR MOTOR VEHICLES

Ernest Riemenschneider and Rudolph H. Thoms, Cleveland, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application February 27, 1932, Serial No. 595,532
12 Claims. (Cl. 29—153.1)



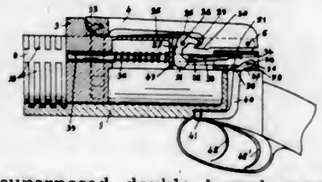
1. The method of forming an article consisting of subjecting a portion of the tube to concurrent radial and axial pressures to provide an expanded annulus of greater diameter and wall thickness than the original tube, bifurcating an end of the tube into said annulus, and then spreading the bifurcated portion to the extent of causing the wall thickness thereof to substantially equal that of the original tube.

1,982,401

SPORTING GUN

Paul Scholberg, Liege, Belgium

Application June 27, 1932, Serial No. 619,585
In Belgium February 26, 1932
7 Claims. (Cl. 42—16)



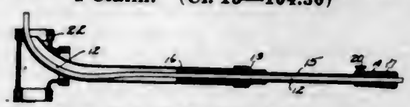
7. A superposed double barrel sporting gun comprising a breech-housing, a superposed barrel element fitting into said breech-housing, and a breech-block to be slidably received in said breech-housing, in combination with a pair of spring-pressed firing pins slidably mounted in said breech-block and located side by side in a horizontal plane, the forward ends of the respective pins being cranked so as to present their firing points substantially concentrically with relation to the respective superposed barrels of the barrel element and substantially in the same vertical plane.

1,982,402

GUIDE FOR PIPE CLEANING DEVICES

John T. Shade, Altoona, Pa.

Application July 17, 1933, Serial No. 680,861
1 Claim. (Cl. 15—104.30)



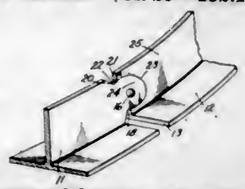
A device of the character described comprising an elongated casing of reduced diameter at its outer end to provide a shoulder and a guide sleeve, a tube extending slidably through said guide sleeve into the casing and provided at its inner end with an abutment for cooperation with said shoulder to limit outward sliding movement of the tube relative to the casing, a handle on the outer end portion of said tube, said handle constituting an abutment for cooperation with said sleeve to limit inward movement of the tube relative to the sleeve, a rod extending slidably through said tube and through said casing, the tube having an opening therein, the handle having a slot alined with said opening, a leaf member of stepped formation including an outer end portion carried by the handle at the exterior thereof, a medial portion disposed at substantially right angles to said outer end portion and extending through the slot in said handle, and an inner end portion extending forwardly from said medial portion and disposed in the opening in said tube for clamping engagement with the rod to releasably secure the rod and tube together, and a screw member threaded in the handle for cooperation with the said inner end portion of said leaf member to releasably force the same into gripping engagement with the rod.

1,982,403

METHOD OF MAKING A BRAKE SHOE

John Sneed, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio, trustee for Steeldraulic Brake Corporation, Detroit, Mich., a corporation of Michigan

Original application December 30, 1929, Serial No. 417,302. Divided and this application September 29, 1931, Serial No. 565,750
14 Claims. (Cl. 29—152.1)



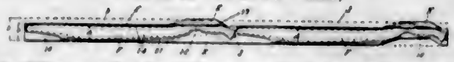
1. The process of forming an articulated brake shoe consisting of rolling a strip of stock into the form of a ring, severing said ring into sections along lines to provide integral bearing members, and re-assembling said sections with the bearing members forming an articulated joint.

1,982,404

METHOD OF FORMING ARTICLES

Willis Gordon Stoner, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application October 24, 1932, Serial No. 639,246
7 Claims. (Cl. 29—152)



1. The method of forming a vehicle side rail which consists in taking a piece of stock having a width as wide as the widest portion of the rail, cutting a portion of the stock therefrom, welding the same to the longitudinal edge of the stock at a point remote from the widest portion of the rail, blanking out the rail with an offset portion extending into said welded piece of stock, and then forming the rail into channel section.

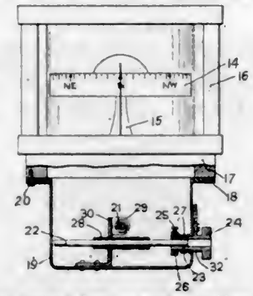
4. A method of forming a metallic article which consists in taking a piece of main stock having a width at least as wide as the widest portion of the article to be formed, welding a piece of auxiliary stock to the longitudinal edge of the main stock at a point remote from the the widest portion of said article and then blanking out the article with an offset portion extending into said welded piece of stock.

1,982,405

COMPENSATING DEVICE FOR MAGNETIC COMPASSES

Morris M. Titterington, New York, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York

Application March 2, 1927, Serial No. 171,915
45 Claims. (Cl. 33—225)



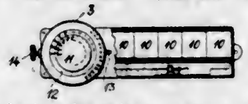
1. An apparatus for compensating semicircular deviation of a magnetic compass comprising, a magnetic compass, a bar magnet having consequent poles, said magnet being disposed with its magnetic fields within influencing distance of said compass, and means for varying the strength of the external magnetic field of said bar magnet.

1,982,406

EXPOSURE METER

Hans Ferdinand Tönnies, Altona/Grossflottbek, Germany

Application August 7, 1931, Serial No. 555,750
In Germany August 18, 1930
15 Claims. (Cl. 88—23)



1. In a photo-electric exposure meter, the combination with a current-generating photo-electric cell including photosensitive material cooperating with a back electrode and a light-receiving electrode, and an electrical measuring instrument connected across said electrodes and having a moving system offering a progressively increasing resistance to displacement by increasing current output from said cell, whereby said instrument has an extended range of significant scale values and a substantial response for small changes in light values at the lower limit of its operating range, of means restricting the angular spread of the beam of light rays which may reach said cell to substantially the image angle of a camera, said restricting means comprising casing means including a tubular chamber of a substantially uniform cross-section conforming in shape and size substantially to the shape and size of the light-receiving electrode of said cell, said cell being arranged across the inner end of said chamber and the outer open end of the chamber being adapted to be directed towards the scene to be photographed.

3. A photo-electric exposure meter comprising an electrical measuring instrument, a photo-electric cell within a casing and spaced from one side thereof, the said side of the casing having an opening for admitting light rays to said cell, and means restricting the light rays which may reach said cell to a plurality of separate groups of light rays which each have a limited angular spread.

1,982,407

PROCESS OF PRODUCING HYDROGEN CYANIDE

Thomas Sherlock Wheeler, Northwich, England, assignor to Imperial Chemical Industries Limited, London, England, a British company

No Drawing. Application March 13, 1930, Serial No. 435,663. In Great Britain March 27, 1929
7 Claims. (Cl. 23—151)

1. The process of producing hydrocyanic acid which consists in passing a gas containing a hydrocarbon and a substantial quantity of a diluent with not more but not much less than one molecular proportion of ammonia for each atomic proportion of carbon at a temperature of at least 1150° C. through an unpacked reaction chamber under conditions unfavourable to the decomposi- of the reagents into their elements.

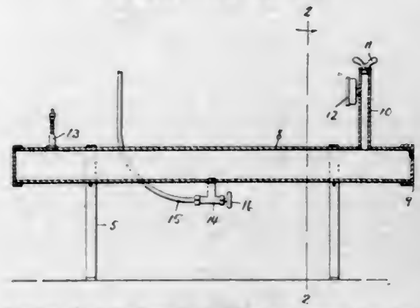
7. A process comprising preparing a mixture of ammonia gas, water vapor and hydrocarbon vapor and heating the mixture to obtain hydrogen cyanide.

1,982,408

TESTER FOR OIL LINES

Frank W. Wotachek, Kewaunee, Wis., assignor of two-thirds to Lakeside Garage and Implement Company, Kewaunee, Wis.

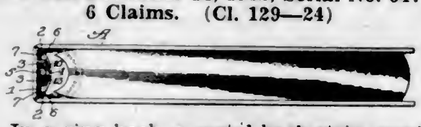
Application December 7, 1929, Serial No. 412,421
Renewed October 18, 1933
1 Claim. (Cl. 73—51)



A tester for indicating the presence of an obstruction in an oil feed system of the type described, comprising a fluid conduit adapted to be connected to a section of the oil feed system, a pressure reservoir with which said conduit is connected and having a valve for admitting fluid pressure thereto, an oil intake pipe, and a pressure gauge carried on the oil intake pipe for indicating the resistance offered by any obstruction in the section of said oil feed system, said reservoir being in the form of a horizontal elongated cylinder having brackets clamped thereto for supporting the cylinder above a supporting surface, each bracket comprising a continuous band in the shape of a triangle having at its apex a ring-like portion formed as a continuation of

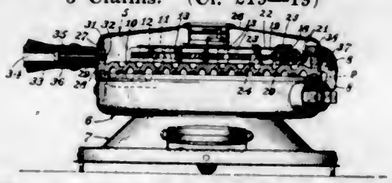
the sides of the triangle and adapted to conformably embrace the sides of the cylinder, and a bolt passed through the separated ends of the sides of the triangle below said ring-like portion for drawing the ring closely about the sides of the cylinder.

1,982,409
ADJUSTABLE RING BOOK
Henry T. Adams, Chicago, Ill.
Application December 14, 1932, Serial No. 647,262
6 Claims. (Cl. 129—24)



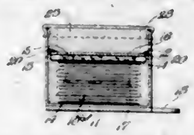
3. In a ring book, a metal back strip provided with spring side walls having inturned edges, a pair of ring sections slidably secured to said back strip, and a cover member having lateral extensions received under the inturned edges of said side walls, said lateral extensions being spaced apart and affording longitudinal slots between said edges and said cover through which said ring sections may be shifted.

1,982,410
ELECTRICAL COOKING UTENSIL
George Edwin Atkinson, Proctorville, Ohio, assignor to Armstrong Appliance Corporation, Huntington, W. Va., a corporation of Delaware
Application April 25, 1933, Serial No. 667,921
5 Claims. (Cl. 219—19)



1. The combination in an electrical cooking utensil having a heating grid, of a plurality of upstanding insulator supports carried by said grid, a plurality of insulators each having engagement with a support, a radiant heating element carried by the insulators, a plurality of upstanding posts carried by the grid, said posts having a shoulder lying substantially in the plane of the upper surface of the insulators, a combined reflector and retaining plate overlying the insulators and contacting with the shoulders of the posts, and means for securing said plate against said shoulders to prevent disengagement of the insulators from the supports, said shoulders sustaining the stressing force exerted by the securing means so that the insulators are free of stress.

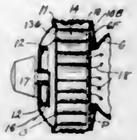
1,982,411
SHIELDED RESILIENT SEPARATOR
William M. Bailey, Lynn, Mass., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application June 18, 1930, Serial No. 461,918
12 Claims. (Cl. 175—41)



1. A capacitor including an electrostatic element and a U-shaped metallic member the bottom central portion of which receives the bottom of the electrostatic element and the sides of which extend along said element; an independent metallic clamping plate lying between the sides of the said U-shaped member, compressing the electrostatic element against said bottom central portion of said U-shaped member, and putting the sides of the latter under tension; a flat, thick spring of highly resilient material interposed between said clamping plate and the electrostatic element; and soldered connections between the said U-shaped member and said clamping plate holding the parts in said clamped relation.

6. A capacitor which includes an electrostatic element and a metallic clamping system subjecting it to desired pressure determining its capacity; a flat cork plate of substantial thickness for substantial resiliency interposed between the electrostatic element and its said clamping system and preserving its capacity substantially constant during its expansion and contraction by temperature changes due to operation; and metallic foil in position preventing dielectric losses in said cork plate by reason of its said interposed location.

1,982,412
HOT AIR RESPIRATOR
John E. Bjurstrom, St. Paul, Minn.
Application March 21, 1932, Serial No. 600,172
1 Claim. (Cl. 128—212)

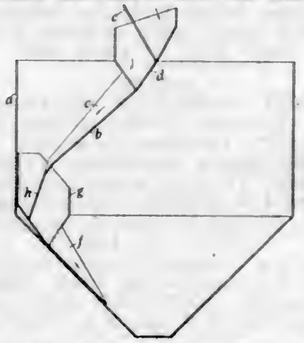


In a respirator of the class described and including a flexible mask adapted to bear against the face and inclose the respiratory organs; said mask provided with an opening directly forward of said organs, an air heating chamber secured to said opening part of the mask, electric heating means mounted within said chamber, said chamber provided in its forward part with air intake apertures, a preforated plate adjacent the mask opening and within the inner part of said chamber, said heating means comprising a resistance coil in an upright plane and in the path of air currents inhaled into the mask, said heating chamber comprising two separable cylindrical housing members, an upright non-conductive perforate plate retained concentrically in the forward part of the chamber and said resistance coil secured to the inner face of said plate, a rheostat in the chamber forward of said resistance coil and electric conductors connecting the rheostat and the coil, connecting means for supplying electric current to said coil through said rheostat, and a rheostat control button accessible exteriorly of the housing for the purpose set forth.

1,982,413
CHARGING OF COAL, COKE, AND OTHER SOLID MATERIALS INTO STORAGE CHAMBERS AND THE LIKE
Edwin George Blackwell, Worcester, England
Application June 12, 1933, Serial No. 675,476
In Great Britain June 23, 1932
5 Claims. (Cl. 193—32)

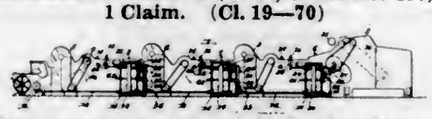
1. In means for charging coal, coke and other solid materials into storage chambers and the like, the combination with the upper end of a delivery chute, of a control hopper having its delivery part contiguous with the said upper end of the chute, and comprising an inclined part over

which the material flows during its passage through the hopper to the chute, and flow-impeding means associated with the said inclined



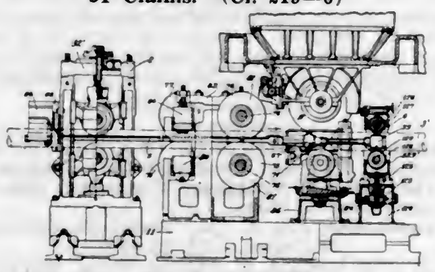
part at a position between the entry and delivery parts of the hopper for deflecting the material laterally without causing it to fall freely, substantially as described.

1,982,414
EXTENSION DRIVE FOR BREAKER-LAPPER
Arthur J. Blackwood, Cooleemee, and Carl R. Harris, Durham, N. C.
Application November 24, 1930, Serial No. 497,914
1 Claim. (Cl. 19—70)



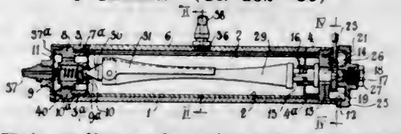
That improvement in methods of picking cotton which consists in performing a plurality of picking operations on a stream of loose cotton and finally working it into the form of a finished lap, feeding the cotton in a continuous and approximately uniform stream from each of said operations to the next, evening the cotton at two points spaced apart longitudinally of said stream, and causing the final evening operation to exercise control over the speed of the earlier of said evening operations while permitting the two evening operations to proceed independently in other respects.

1,982,415
METHOD AND APPARATUS FOR ELECTRICALLY WELDING PIPE
Herman G. Blevins, Sewickley, Pa., assignor to Republic Steel Corporation, a corporation of New Jersey
Application July 15, 1931, Serial No. 550,906
Renewed April 26, 1934
31 Claims. (Cl. 219—6)



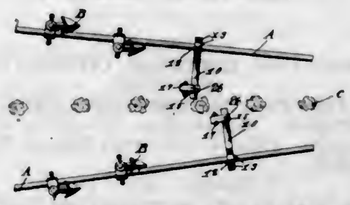
1. Apparatus for butt welding comprising means for feeding a tubular ferrous metal blank having a longitudinal open seam into a welding throat, means for applying pressure at a point in advance of the welding throat to move the edges of the seam into contact with each other, means intermediate said first point and the welding throat to apply internal pressure to the tube to space the seam edges apart a predetermined distance, pressure rolls for applying pressure to the tubular blank at the welding throat to force the edges into substantial contact with welding pressure, and means for electric resistance welding together the abutting edges of the tubular blank.

1,982,416
HAIR CURLING APPARATUS
Carl Henry Bongartz, Twickenham, England, assignor of two-fifths to Stanley Marcell, Claygate, England
Application February 12, 1934, Serial No. 710,906
In Great Britain December 12, 1932
6 Claims. (Cl. 132—36)



3. Hair curling and waving apparatus comprising a steaming tube, the ends of which are closed by plugs, one of which is furnished with a spring controlled slidable bearing while the other is furnished with a rotatable bearing controlled by a releasable clutch and operable from the exterior of the tube, a lateral aperture in said tube, a detachable curler adapted to be mounted between said bearings and operably connected to the rotatable bearing, a closure for said steaming tube adapted to make a steam tight joint with the ligament end of a tress of hair coiled upon the curler within the tube, releasable means for securing said closure and a heating device arranged in operable combination with said steaming tube for steaming the coiled hair tress therein.

1,982,417
CULTIVATOR ATTACHMENT
David Nathaniel Bruton, Mertens, Tex.
Application January 3, 1934, Serial No. 705,126
5 Claims. (Cl. 97—179)



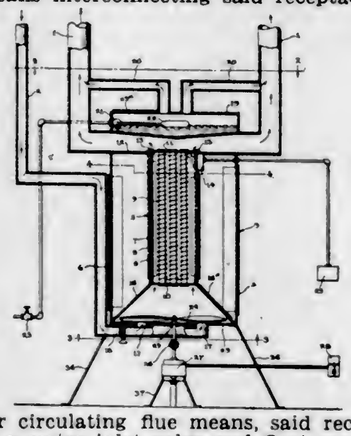
1. The combination with a pair of cultivator beams, an attachment for each beam comprising a flat arm, means for detachably and adjustably securing the arms to the beams one in advance of the other to project laterally from the beams and in a direction toward each other, hanger means mounted for adjustment longitudinally on the arms, a pin tooth for each hanger means, and means for securing the teeth for vertical adjustment with respect to the hanger means

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1,982,418
ELECTRIC FURNACE
Howard Carmichael, Lexington, Ky.
Application March 19, 1931, Serial No. 523,884
2 Claims. (Cl. 219—39)

1. A device for heating buildings and the like, comprising a heating unit, flue means connected to said heating unit for circulating the air throughout the rooms of said building, and means for increasing the moisture content of the heated

air, consisting of a closed receptacle for containing water positioned above said heating unit, and flue means interconnecting said receptacle and



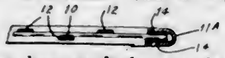
said air circulating flue means, said receptacle having a water inlet valve and float means for automatically controlling the inflow of the water.

1,982,419

QUEEN BEE EXCLUDER

Chester Ernest Chrysler, Chatham, Ontario, Canada

Application August 18, 1932, Serial No. 629,361
In Canada August 19, 1931
1 Claim. (Cl. 6—4)



In a queen bee excluder as described, a plurality of wires equally spaced from and parallel with each other, a rectangular metal framework folded over the ends of same, a plurality of transverse supports alternately above and below the said wires and secured thereto having their ends fastened within the metal framework and maintaining the same at the required thickness substantially as set forth.

1,982,420

FUEL FOR INTERNAL COMBUSTION ENGINES

Jean Felix Paul de La Riboisiere, Paris, France

No Drawing. Application November 16, 1931, Serial No. 575,474. In Great Britain December 11, 1930

6 Claims. (Cl. 44—9)

1. A fuel for internal combustion engines consisting of petroleum hydrocarbon material of the character of gasoline together with a small proportion of an aromatic amine and a small proportion of a substantially anhydrous alcohol containing not more than two carbon atoms in its molecule.

1,982,421

NITRIDED ARTICLE OF MANUFACTURE

Joseph V. Emmons, Shaker Heights, Ohio, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application February 8, 1933, Serial No. 655,861
4 Claims. (Cl. 148—31)

1. A steel article of manufacture having a hard nitrided surface layer supported by an underlying core of predominantly martensitic steel and which martensitic structure is rendered stable to withstand the tempering effect of the nitriding operation by the inclusion in the steel of about 0.10% to about 12.10% chromium and at least one of the following elements in the proportions named, viz., tungsten about 0.10% to about 18.69%, molybdenum about 1.55% to about 11.15% and vanadium about 0.22% to about 3.29%.

1,982,422

NITRIDED ARTICLE OF MANUFACTURE

Joseph V. Emmons, Shaker Heights, Ohio, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Original application February 8, 1933, Serial No. 655,861. Divided and this application October 26, 1934, Serial No. 750,137
1 Claim. (Cl. 148—31)

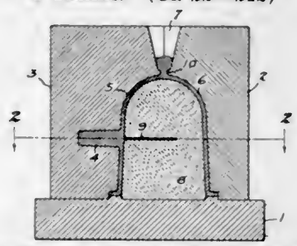
An article of manufacture embodying an alloy consisting of iron with about 0.70% carbon, about 18.00% tungsten, about 4.00% chromium, about 1.00% vanadium and having a surface nitrided.

1,982,423

MOLD AND METHOD OF CASTING

Everett G. Fahlman, Cleveland, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio

Application May 2, 1932, Serial No. 608,715
4 Claims. (Cl. 22—212)



1. A semi-permanent mold comprising metal mold members recessed to define the exterior wall of a molding cavity and a frangible core member within said cavity and defining the interior wall of the molding cavity, said mold members being formed to provide a cavity which is generally thin in cross section and which has a portion of relatively thick cross section, said frangible core member having a recess of thin cross section and relatively large surface area opening to the portion of the cavity of thick cross section.

3. The process of forming castings having a relatively thick section and a relatively thin section, which comprises arranging a metal mold member having a recess therein and a frangible mold member in opposed relationship to each other to define a mold cavity, casting metal in said cavity to form the relatively thick and thin sections and simultaneously causing a portion of the casting metal to flow in a recess in the frangible mold member opposite the thick section having such a cross section that the metal in the recess of the frangible mold will solidify before the metal in the thick section, and conducting heat from the thick section during the cooling thereof by means of the solidified metal formed in the frangible mold.

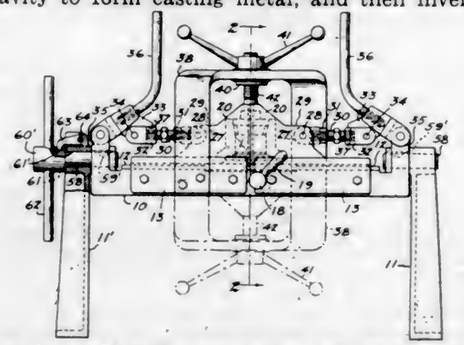
1,982,424

MOLD AND METHOD OF CASTING METAL

Everett G. Fahlman, Cleveland, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio

Application July 7, 1932, Serial No. 621,184
22 Claims. (Cl. 22—203)

12. The method of casting metal having a comparatively low melting point about the periphery or in slots or passages of a metal having a higher melting point, which comprises supporting the metal having a higher melting point within the casting cavity of a metal mold, forcing molten metal through a substantially peripheral ring sprue cavity communicating with the casting cavity and upwardly through the casting cavity to form casting metal, and then invert-



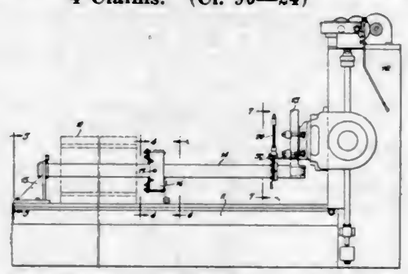
ing the mold and maintaining the metal in the ring sprue cavity in such a manner that it will flow into the mold cavity to compensate for shrinkage of metal in the mold cavity during cooling.

1,982,425

BORE CUTTING APPARATUS

John Glasson, Johnstown, Pa.

Application April 6, 1933, Serial No. 664,828
4 Claims. (Cl. 90—24)



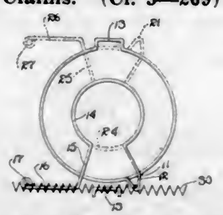
2. A bore cutting apparatus comprising a movable work-holding table and shaft support, a fixed post, a shaft rotatably mounted in fixed longitudinal position between said post and support, a cutter head fixed on said shaft, means to rotate and hold said shaft to fixed angular positions, said means comprising a notched plate fixed on said shaft, a latch lever rotatably mounted on said shaft to engage selected notches on said plate, a latch plate to hold said latch lever and cutters mounted in balanced position on said cutter head.

1,982,426

TRIPLE LOCK SPRING WITH FLOATING TOP

Otto L. Goethel, Grand Rapids, Mich.

Application November 23, 1931, Serial No. 576,658
4 Claims. (Cl. 5—269)



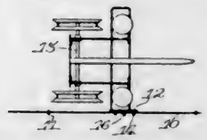
1. A spring unit of the class described comprising a coil spring having outwardly bowed portions in the two upper convolutions thereof, said convolutions normally being in spaced relationship due to the resiliency of the spring, the wire forming the spring then extending inwardly toward the central portion of the coil, then laterally to form a looped portion and then outwardly with respect to the central portion of the coil, said extending portions being above the upper convolution in the plane of the end of the spring to form a floating portion, and means for pulling the outwardly bowed portions toward one another whereby the floating portion separates itself from the plane of the end of the spring and hence serves as an auxiliary spring.

1,982,427

CHECK WIRE FOR PLANTERS

Earl R. Graves, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application October 31, 1932, Serial No. 640,426
3 Claims. (Cl. 24—114.5)



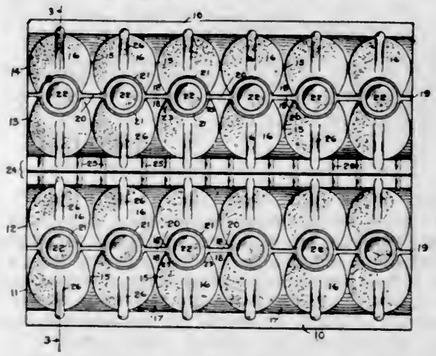
1. A check wire for planters comprising a length of substantially stretchless steel wire having check buttons positioned thereon at uniformly spaced intervals, said wire being continuous in a straight line through the button whereby the portion of the wire in the area of the button is equivalent in strength to the remainder of the wire, the metal of the wire in the area of the button being upset radially in disk-like form.

1,982,428

PACKING HOLDER FOR FRAGILE ARTICLES

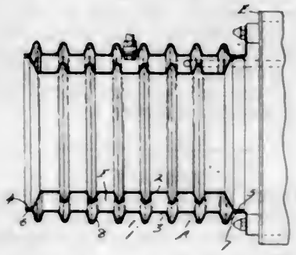
Fred D. Gray and Ralph Farnham, Herkimer, N. Y., assignors, by mesne assignments, to Packing Products Corporation, a corporation of Delaware

Application February 10, 1930, Serial No. 427,116
12 Claims. (Cl. 217—26.5)



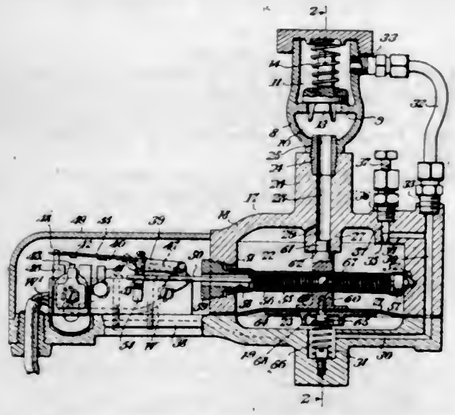
1. A holder for fragile articles comprising side wall members each having a row of cup-shaped depressions, a plurality of spaced fold lines aligned end toward end, and spaced longitudinally of the rows of depressions providing spaced hinges for portions between depressions, article seats between the ends of said fold lines, said seats being associated with said depressions, the lower extremities of said depressions being in proximity to said seats.

1,982,429
COOLING UNIT
Harold A. Greenwald, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application June 15, 1931, Serial No. 544,667
6 Claims. (Cl. 62—126)



1. An evaporator for a refrigerating system, comprising in combination, a plurality of concentric shells joined at either ends with the intermediate portions thereof spaced from one another to provide a closed chamber for a refrigerating medium, the inner of said shells having narrow downwardly extending corrugations at the bottom thereof and the material between said corrugations being wider than said corrugations to provide a large heat absorbing surface for supporting an ice tray.

1,982,430
FLOW SWITCH
Robert Bruce Hicks, Brooklyn, N. Y.
Application July 12, 1933, Serial No. 680,016
13 Claims. (Cl. 200—81)



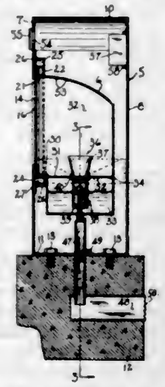
1. A fluid pressure apparatus comprising a fluid chamber having a wall shiftable in response to pressure change in the chamber to operate a device located outside of the chamber, the chamber having an aperture in one side thereof, a lever fulcrumed at one end within the casing and extending thereacross transversely of the direction of shift of said wall and outward through said aperture and operatively connected to said outside device, a flexible rubber tube encircling said lever within the chamber and forming a seal to prevent passage of fluid through said aperture, a helical spring encircling the lever and fitted within the said tube to form a stiffening lining for it, and an operative connection between said shiftable wall and said tube to flex the latter and thereby rock the lever for operation of said outside device.

1,982,431
GLOVE POCKET
Bertha Hines, Garnerville, N. Y.
Application June 30, 1933, Serial No. 678,363
4 Claims. (Cl. 2—160)



1. A glove pocket, comprising an opening in the material of a glove, a piece of sheet material extended through the opening having a portion inside and a portion outside of the glove, the portion inside being stitched down along the edges forming a pocket having a mouth coinciding with the opening in said glove material, the upper portion constituting a flap, stitches securing said piece of material at the base of said flap upon the edge of said opening remote from the pocket, a frame mounted in the mouth of the pocket, and extending across one side of the mouth and resting flat against said piece of sheet material, and a strip connected with said frame and with said flap for moving the frame to hold the mouth of the pocket open as the flap is opened.

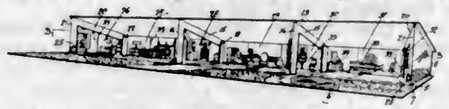
1,982,432
CEMETERY MONUMENT
Rubert A. Hull, Andover, Ill.
Application June 10, 1933, Serial No. 675,180
15 Claims. (Cl. 47—38)



1. A monument comprising an inclosed outer case, an inner case, a division member removably mounted in said inner case, a recess in the upper portion of said inner case, a water reservoir in the lower portion of said inner case, a holder for flowers or growing plants removably positioned in said recess, said holder having a cylindrical portion formed on the lower end thereof and extending into said reservoir, and means for admitting a current of air into said recess, whereby the flowers or plants in said holder are maintained in growing condition.

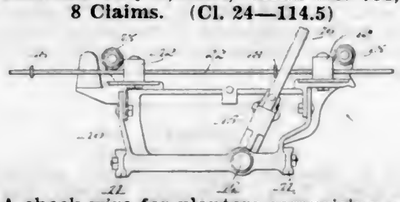
1,982,433
TOY
Mary L. Hungerford, Colorado Springs, Colo.
Application November 21, 1932, Serial No. 643,599
18 Claims. (Cl. 46—37)

1. A toy comprising a back-member printed to represent different subjects in perspective, end-members, a roof-member, a floor-member, and partitions projecting forwardly of the back-member between the several subjects printed thereon, the partitions being slantingly disposed in ap-



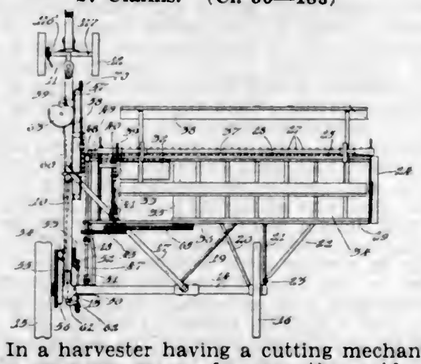
parent continuation with diverging planes of the perspective representations.

1,982,434
CHECKROW WIRE FOR PLANTERS
Arnold E. W. Johnson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 7, 1934, Serial No. 734,143
8 Claims. (Cl. 24—114.5)



1. A check wire for planters comprising a continuous length of wire provided with spaced check buttons including apertured disks having rounded peripheral portions and thin apertured central portions, said disks being rigidly located in position on the wire by radially upset portions of the wire, said portions abutting the central portions of the disks.

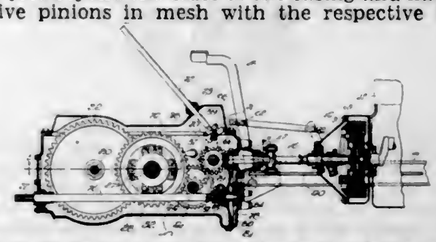
1,982,435
DELAYED DISCHARGE CONTROL FOR WINDROW HARVESTER
Edward A. Johnston and Alexus C. Lindgren, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application August 30, 1928, Serial No. 302,922
27 Claims. (Cl. 56—183)



1. In a harvester having a cutting mechanism and a conveyor, means for operating said conveyor, and manually initiated, automatically acting means for interrupting the operation of the conveyor for a predetermined interval and then starting the same again.

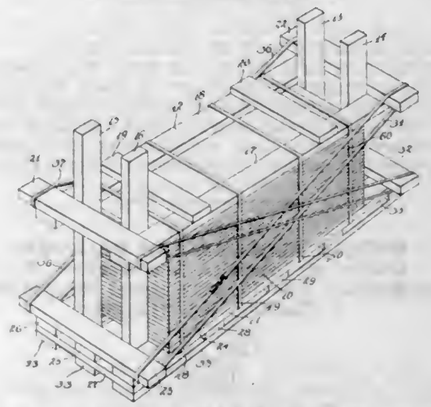
1,982,436
TRACTOR DRIVE MECHANISM
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 23, 1933, Serial No. 658,122
3 Claims. (Cl. 74—327)

1. A rear end drive assembly for tractors comprising a substantially quadrilateral oblong casing with its longest diameter extending fore and aft of the tractor body and its shortest diameter extending vertically, aligned tubular axle housings extending laterally from said casing near its rear end, axle shafts journaled in said housings with their inner ends extending to the center of the casing, a bull gear on each axle shaft within the casing, a pair of aligned drive shafts mounted across the casing forward of the axle shafts to project beyond the sides of the casing and having drive pinions in mesh with the respective bull



gears, brakes mounted on the ends of the drive shafts beyond the casing walls, cap housings on the walls of the casing for enclosing said brakes, brake actuating means entering the sides of the casing forward of the cap housings and operating said brakes from within the casing, a differential connecting the drive shafts, a variable speed transmission comprising shafts mounted across the forward portion of the casing and connected to drive the differential.

1,982,437
SHIPPING CRATE
Harry N. Knowlton, Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company, a corporation of Delaware
Application October 7, 1926, Serial No. 139,982
8 Claims. (Cl. 206—60)

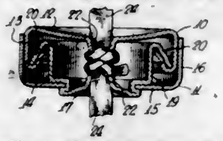


6. In a crating for sheet metal plates, the combination of a plurality of longitudinally extending wooden members forming skids under said plates, with a plurality of steel bands for binding said wooden members to said plates to prevent relative movement between said plates and wooden members, and means interposed between said plates and said bands at the corners of the package to protect said plates from said bands.

1,982,438
SEAL
Frank Keidel, Elmhurst, N. Y., assignor to The International Seal and Knot Protector Co., New York, N. Y., a corporation of New York
Application July 26, 1934, Serial No. 737,037
3 Claims. (Cl. 292—325)

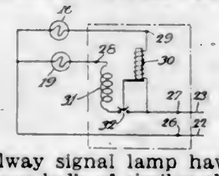
1. A seal including a pair of telescoping members, each having a cylindrical peripheral wall

and an end wall, a plurality of spring fingers connected to one of said members, and an inturned flange at the free end of the peripheral wall of the other member adapted to interengage with said spring fingers to prevent separation of said members, the end wall of each member being provided funnel-shaped with a central aperture through which a tape may extend, and an annular flange bounding each of said apertures,



extending inwardly in the interior of each of said members, and presenting a jagged edge, whereby the threading of the opposite ends of said tape into the interior of said members through said apertures is rendered comparatively easy, while the jagged edges of said last mentioned flanges bite into knots on the ends of said tape when said tape is pulled away from said members to thereby prevent withdrawal of said tape.

1,982,439
RAILWAY SIGNAL
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 31, 1930, Serial No. 505,695
3 Claims. (Cl. 240—37.1)



3. In a railway signal lamp having a service and an auxiliary bulb of similar electrical characteristics, a local circuit for each bulb, electromagnetic means in said service bulb circuit for opening the circuit of the auxiliary bulb, and a reactance coil in the auxiliary bulb circuit of equal impedance with the electro-magnetic means whether the current be direct or alternating.

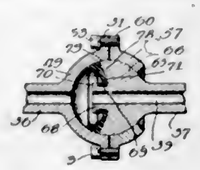
1,982,440
BOTTLE CLOSURE AND DROPPER
Samuel H. Lebowitz, New York, N. Y.
Application July 30, 1932, Serial No. 626,896
4 Claims. (Cl. 215—58)



1. A combination bottle closure and dropper, comprising a bottle closure adapted to engage on the neck of a bottle and having a top side with a flanged opening, a capillary delivery nozzle projecting from said top side, a valve within said bottle closure and adapted to act against the inner end of said delivery nozzle, a resilient covering bulb element on said flanged opening adapted to be manually compressed and move the valve to the open position, a resilient member attached to said valve and closure for urging said valve into its closed position, and a post element projecting from the interior of said resilient covering and adapted to engage against said resilient member for the operation of said valve.

3. A combination bottle closure and dropper, comprising a bottle closure adapted to engage on the neck of a bottle and having a top side with a flanged opening, a delivery nozzle projecting from said top side, a valve within said bottle closure and adapted to act against the inner end of said delivery nozzle, means for resiliently urging said valve into its closed position and in a depressed condition resiliently urging said valve against the inner wall of the said neck of the bottle for holding the valve in its open position, a resilient covering element on said flanged opening adapted to be manually compressed to depress said means and move the valve to the open position, and means associated with said valve adapted to contact with the top edge of a bottle when said closure is firmly engaged on the bottle to hold the valve locked closed against manually opening by depression of said resilient covering element.

1,982,441
UNIVERSAL JOINT
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application March 9, 1932, Serial No. 597,699
2 Claims. (Cl. 285—91)

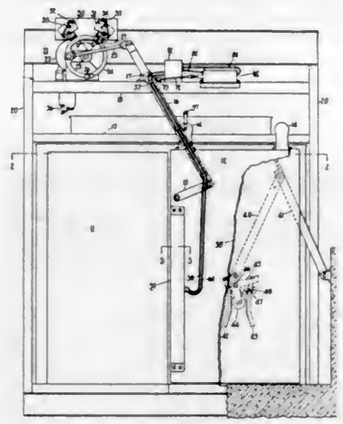


1. In a universal joint for hydraulic brakes, the combination of a pair of complementary members conformed to provide a universal joint therebetween, means for preventing separation of said members, each of said members having a passage therethrough of small diameter relative to the diameter of said universal joint, one of said members having a face and a small tubular projection extending therefrom, a resilient washer adjacent said face, said washer having a surface in contact with said face and a second surface freely and completely exposed to fluid in said joint, said washer having a pair of flanges, one of said flanges being of appreciable length and having a curved outer surface conforming to and lying in contact with a spherical surface provided by one of said members, the other flange surrounding and extending along said projection, and a radially extending flange rigid with said projection and forming the sole means for attaching said washer to the member having said face.

1,982,442
ELEVATOR DOOR CONTROL
Samuel Lubkin, Brooklyn, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application July 23, 1934, Serial No. 736,548
20 Claims. (Cl. 187—52)

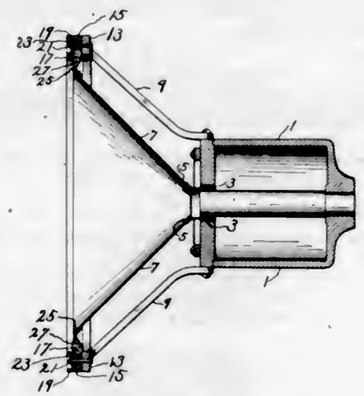
1. In an elevator installation having an elevator car and an entranceway for providing access to said car; a door for said entranceway; power operated mechanism for moving said door to closed position; means creating an electrical field in said entranceway; and means responsive

to the presence in said field of a body having an electrical characteristic which cooperates with



said field to alter the same, for rendering said power operated mechanism ineffective to close said door.

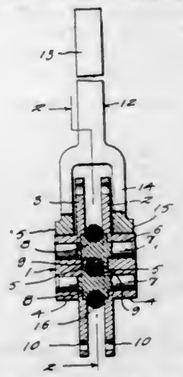
1,982,443
LOUD SPEAKER CONE SUSPENSION
Charles Messick, Brentwood, N. Y.
Application June 3, 1929, Serial No. 367,988
12 Claims. (Cl. 181—31)



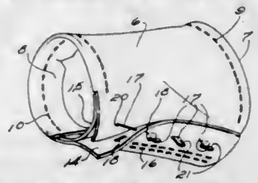
1. A suspension for the large end of a cone sound radiator including a stationary frame, a ring of thick, soft, substantially untensioned material supported at its outer edge in the frame, extending inwardly, decreasing in stiffness toward and connected to the edge at the cone.

1,982,444
LINE TIGHTENER
William J. Miller, Beaumont, Tex.
Application November 28, 1933, Serial No. 700,140
8 Claims. (Cl. 24—71.2)

1. A wire tightener comprising a pair of disk bodies, a means connecting between and coupling the disk bodies serving to facilitate the engagement of the tightener with a line, the said line being wrapped around the said disk connecting means, bodies carried by the disks and extending outwardly from the remote faces thereof for engagement by a wrench, and means for preventing the tightener unwinding on a wire which has been tightened thereby.

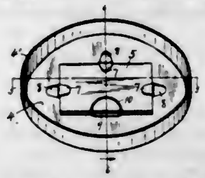


1,982,445
BOOT
Pantaleon E. Miquelon, Dearborn, Mich., assignor to Universal Products Co., a corporation of Delaware
Application January 8, 1932, Serial No. 585,532
4 Claims. (Cl. 64—89)



1. In a boot having reenforced side edges and a plurality of slits cut in each end of the boot, means to join the ends of the boot in sealed overlapped relationship with each other including a crosspiece fixed across one end of the boot by stitching spaced from the extreme end of the boot, to permit reception of the opposite end between the crosspiece and the end to which said crosspiece is fixed and fastening devices carried by the crosspiece adapted to engage the slits in the ends of the boot to secure the ends in overlapped relationship.

1,982,446
TOBACCO CAN
William H. G. Murray, Syracuse, N. Y.
Application February 24, 1933, Serial No. 658,341
1 Claim. (Cl. 131—30)



In a can a closed cover therefor, a horizontal partition dividing the interior of the can into lower and upper compartments, a plurality of integral tongues carried by the partition and normally lying in the plane of the partition and adapted to be over-turned across the adjacent portions of the upper face of the partition to form a corresponding number of openings in said partition, a moisture absorbent pad resting upon the

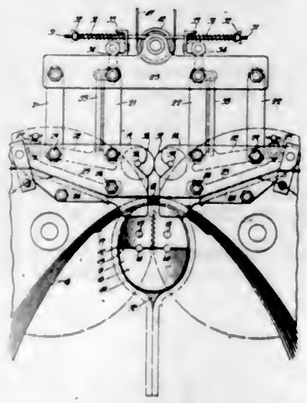
upper face of the partition and having portions thereof extended under said over-turned tongues and a hinged finger loop carried by the partition to facilitate removal thereof and disposed for edge contact with the absorbent pad to aid in retaining the latter in position.

1,982,447

METHOD AND APPARATUS FOR BENDING LAMINATED SHEETS

Robert John Nash, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

Application March 16, 1934, Serial No. 715,885
In Great Britain April 5, 1933
10 Claims. (Cl. 144—255)



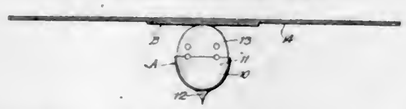
1. Apparatus for bending laminæ about a former which comprises a pair of meshed gears, a pair of pressure links, one for each gear, a pair of rollers, one on each pressure link and mounted symmetrically to the center line of the former, and connecting links, one between each gear and its respective pressure link, in position to move said link longitudinally of the center line of the former, and to cause a pressure component on said link against said former.

1,982,448

MANUFACTURE OF TENNIS RACKETS AND THE LIKE

Robert John Nash, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

Application March 16, 1934, Serial No. 715,886
In Great Britain April 5, 1933
3 Claims. (Cl. 144—309)



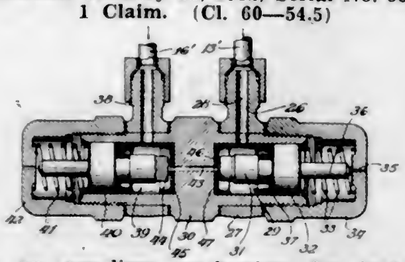
1. A method of making racket insertions and shaping a strip of racket frame material which comprises placing a shaped insertion on the lower throat part of an elliptical form, placing unshaped insertion material on the top of said former arranged symmetrically to the vertical center line thereof, placing a strip of racket frame material on said unshaped insertion material and wrapping said frame strip about said former to bend the insertion material around said former to meet the ends of the shaped insertion at the lower part thereof.

1,982,449

EQUALIZED HYDRAULIC BRAKE SYSTEM

Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application January 22, 1932, Serial No. 588,071
1 Claim. (Cl. 60—54.5)



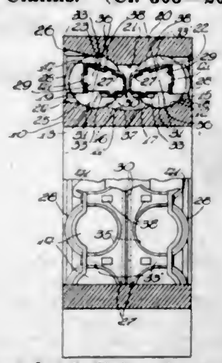
In an equalizer mechanism for hydraulic systems of the class described, a body member having recesses in the opposite ends thereof providing concentric cylinder bores, a restricted passageway concentric with respect to said cylinder bores and formed in that portion of the body member between the inner ends of said cylinder bores for interconnecting the same, caps for closing the ends of said cylinder bores, a piston for each of said bores, each of said pistons comprising a portion for effecting a seal with one of said bores, a forwardly extending part terminating in a knife edge normally adapted to seal one end of said passageway, and a rearwardly extending part constituting a stop and adapted to contact with one of said caps, springs for biasing said pistons, said springs confined between said pistons and said caps and surrounding the rearwardly extending parts of said pistons, and means for individually supplying fluid under pressure to said cylinder bores.

1,982,450

BALL BEARING

Harry N. Parsons, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application May 24, 1933, Serial No. 672,624
2 Claims. (Cl. 308—201)



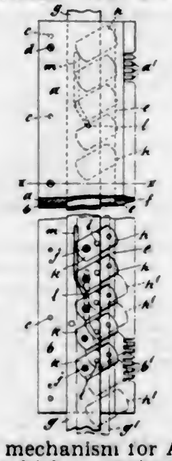
1. A retainer for ball bearings comprising an annular member channel-shaped in its radial cross section with the open side of the channel on one axial face and with one of its side walls diverging outwardly from the other, wedge-shaped securing elements extending into said channel and abutting the side walls and the base portion of the annular member, said elements being secured to the side walls of said member and being formed with axially directed extensions, and a second retainer member secured to said extensions, said member and said channel-shaped member being formed to provide pockets for retaining the balls in position.

1,982,451

TUFT CUTTER MECHANISM FOR AXMINSTER CARPET AND LIKE LOOMS

Ernest Joseph Perry, Birmingham, England

Application August 12, 1933, Serial No. 684,795
In Great Britain August 20, 1932
1 Claim. (Cl. 139—2)



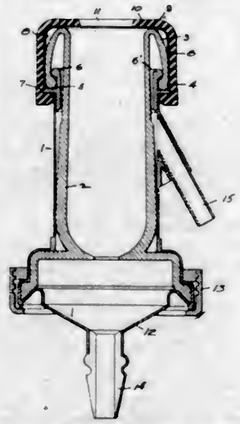
A tuft cutter mechanism for Axminster carpet and like looms, which comprises a pair of combs rigidly secured together in facially opposed relation so as to accommodate a row of tuft yarns in successive pairs of tooth spaces, in combination with a blade device slidably accommodated in a longitudinal recess between said combs and in a clearance slot between the two series of comb teeth, said blade device consisting of a row of safety-razor blades mounted detachably and reversibly upon a carrier bar by plate-like clamping means, and said blade device being normally clear of the teeth but being adapted to approach and sweep across the tooth bases to cut said row of tuft yarns, and being entirely enclosed at all stages of the cutting operation.

1,982,452

TEAT CUP FOR MILKING MACHINES

Jules Persoons and Alphonse Persoons, Thildonck, Belgium

Application July 9, 1932, Serial No. 621,576
In Belgium July 17, 1931
2 Claims. (Cl. 31—85)



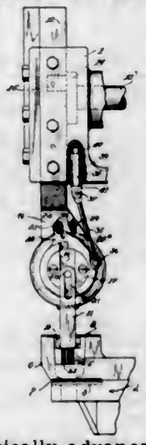
1. In a teat cup for milking-machines in combination a teat cup body, a rubber lining lodged in the said teat cup, and having a greater length than the said cup body, a ring formed at the end of the said rubber lining, the cup body being provided at its upper part with a groove in which the end of the lining after having been turned outwardly over itself is engaged, a collar formed at the upper part of the cup body, immediately under the groove, a metal cap resting on the said collar and means whereby the said metal cap is held in position against the end of the lining and any displacement of the ring in relation to the teat cup body is prevented.

1,982,453

PERFORATING MACHINE

Edward G. Rix, Chicago, Ill., assignor to American Perforator Company, Chicago, Ill., a corporation of Illinois

Application January 19, 1934, Serial No. 707,239
8 Claims. (Cl. 101—19)



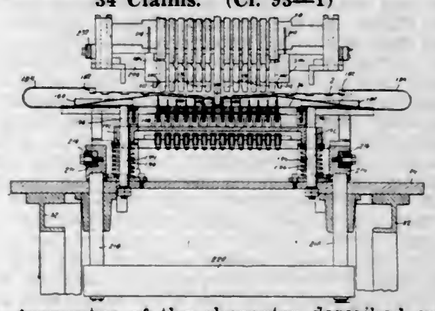
1. An automatically advanced number punching apparatus comprising a frame, a plurality of independently operable punches, a reciprocable head, a plurality of punch-operating rings rotatably mounted on said head and having perforations to receive the ends of non-operated punches during a punch-actuating movement of the head, and means for advancing said rings during the withdrawal movement of the head and after the rings have been withdrawn sufficiently to clear the ends of the punches.

1,982,454

ASSEMBLING MACHINE

Rudolph M. Sanders, New York, N. Y., assignor to Adartcraft, Inc., New York, N. Y., a corporation of Delaware

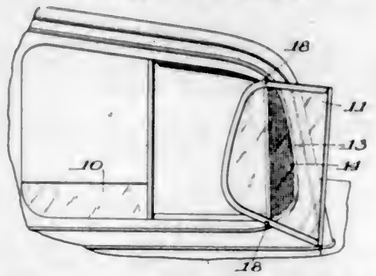
Application August 22, 1931, Serial No. 558,753
34 Claims. (Cl. 93—1)



1. Apparatus of the character described comprising a stage, a movable head mounted over

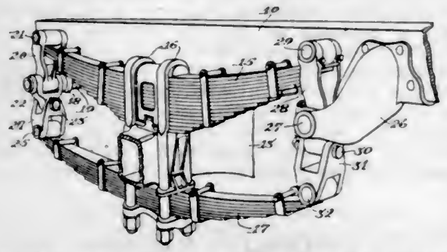
said stage, means for raising and lowering said head, a shaft carried by said head, a plurality of cams mounted on said shaft, and gathering fingers slidably mounted on said head and adapted to be actuated by said cams.

1,982,455
CAR WINDOW SCREEN
Theodore T. Sansbury, Parkersburg, W. Va.
Application February 21, 1934, Serial No. 712,274
5 Claims. (Cl. 156—14)



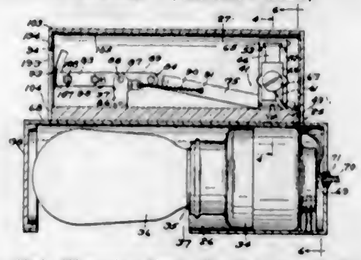
3. In combination, a vertical glass window pivotally mounted in the door of an automobile, a deflector secured to the periphery of said window and positioned to fill the space between the outer surface of the window and the rail of said door when said window is swung out through an angle greater than 90° from its closed position.

1,982,456
SPRING SUSPENSION FOR MOTOR TRUCKS
Albert W. Scarratt, Kenilworth, Ill., and Harry K. Reinoehl, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application July 11, 1932, Serial No. 621,836
16 Claims. (Cl. 267—38)



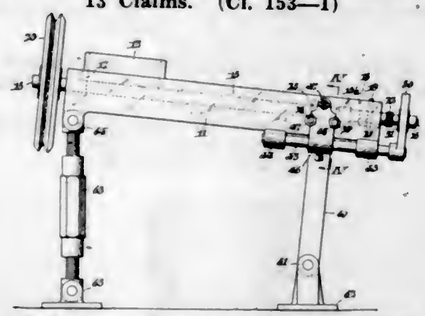
9. The combination with a vehicle having a frame and an axle housing, of a spring suspension therefor, comprising a pair of longitudinally disposed semi-elliptic springs secured one above and one below the axle housing, a cross-shaft on the frame having an end located between the rear ends of the two springs, a transverse driving pin carried by the frame and located between the front ends of the two springs, a pair of shackle links forming a toggle link pivotally mounted on the shaft, the rear ends of the springs being respectively connected to the free ends of said shackle links, an equalizer beam pivoted intermediate of its ends on the driving pin for rigid fore and aft movement, the front ends of the springs respectively being connected to the ends of said equalizer beam, and hinge pins arranged in the toggle and the beam respectively disposed at a right angle to the cross-shaft and the driving pin to permit a portion of the toggle and beam to swing laterally to prevent twist in the lower spring.

1,982,457
DIAL ILLUMINATING MEANS FOR TELEPHONES
Edwin H. Schmitt, Cincinnati, Ohio
Application February 2, 1931, Serial No. 512,947
5 Claims. (Cl. 240—2.17)



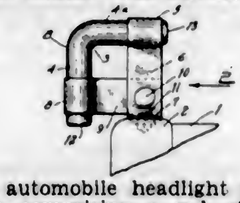
5. A dial illuminating device for attachment to various types of telephone instruments having a receiver, a movable receiver supporting element and a vertical standard, said device comprising in combination an elongated lamp housing, a substantially circular clamp secured to the back of the elongated housing, the major axis of the housing being disposed perpendicularly to the axis of the substantially circular clamp, the clamp being of a reduced width such as permits attachment thereof to the short standard of a hand set telephone and to the long standard of a desk type telephone, with the axis of the elongated housing thereby disposed horizontally intermediate the upper and lower limits of the hand set instrument when applied thereto, a lamp in the housing, and electrical switch means for the lamp including a member adapted to be actuated upon removal of the telephone receiver from the receiver support.

1,982,458
FEEDING AND ARRANGING MECHANISM
Samuel Seltzer, Philadelphia, Pa.
Application September 28, 1933, Serial No. 691,347
13 Claims. (Cl. 153—1)



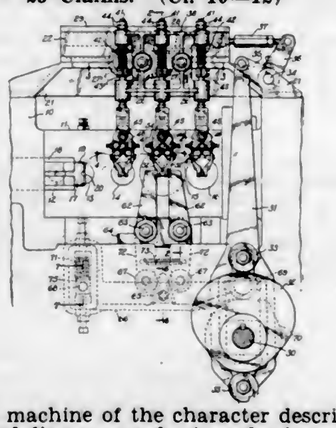
1. Mechanism for feeding and arranging zipper lugs and the like comprising a pair of elongate longitudinally-inclined shaft rollers arranged side by side with an interval between them corresponding in width to the thickness of the flat body portions of the lugs, said rollers having relatively-spaced circumferential clearing grooves respectively near their low ends; means for constantly rotating the rollers to assist and at the same time control gravitational progression of the lugs promiscuously dropped into the bight of the rollers at the high ends of the latter toward the spaced circumferential clearing grooves aforesaid; and raceways adapted to receive the lugs respectively released by the rollers at their clearing grooves and to conduct the lugs as received to different machines for attachment to the tapes of the zipper strips.

1,982,459
HEADLIGHT INDICATOR
John Woodhull Stevens, Denver, Colo.
Application December 4, 1933, Serial No. 700,864
2 Claims. (Cl. 240—8.4)



1. In an automobile headlight indicator the combination comprising a rod of transparent material bent into two parts at approximately a right angle relative to each other, a supporting member adapted to be attached to the rim of the headlight and engaging said rod and adapted to support one part of said rod in substantially horizontal position with its end toward the driver, and a bracing member affixed to said support and engaging the other part of said rod and adapted to hold said other part in substantially vertical position with its end in front of said headlight.

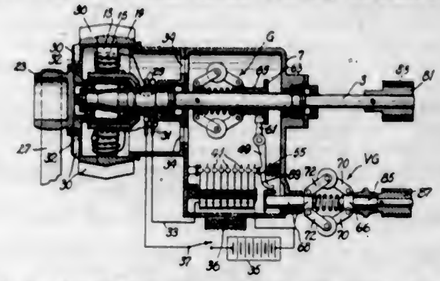
1,982,460
TRANSFER MECHANISM
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application February 17, 1934, Serial No. 711,767
25 Claims. (Cl. 10—12)



1. In a machine of the character described; a plurality of dies; means for transferring a workpiece from one die to another die, comprising in part gripping fingers, and mechanism carrying said fingers and capable of movement through a path slightly greater than the path of movement required for the gripping fingers, said gripping fingers being independently movable relative to said mechanism.

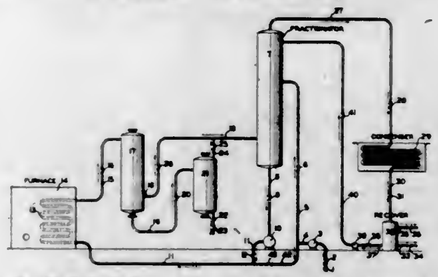
1,982,461
ELECTRIC GOVERNOR
Anthony Winther, Kenosha, Wis.
Application December 2, 1932, Serial No. 645,407
8 Claims. (Cl. 242—75)

1. In apparatus of the class described, a driving member, a driven member, means driven by said driven member adapted to wind a strip, a magnetic field connection between said members, means for energizing said field including a resistance, centrifugal means responsive to speed change of said driven member adapted to cut in said resistance with increase of speed, and a second means responsive to the linear speed of said strip, speed responsive means driven by said second means and also controlling said resistance to increase the same as the speed of said second means increases, whereby the driven member is reduced in speed as the winding advances to maintain a constant linear velocity of said strip.



3. In apparatus of the class described, a non-friction magnetic drive comprising a driving armature and a driven field member, variable speed means for driving said armature, a circuit for energizing said field member, means for electrically energizing said circuit, resistance in said circuit having serial components, shunt means in parallel with said resistance comprising a series of spaced contacts, movable supports for respective pairs of contacts, adjacent supports being connected to opposite ends of respective resistance components, said supports providing components of movement for the contacts which are normal to the contact surfaces where they touch and means responsive to speed of the field member adapted to consecutively press together said contacts to proportionately shunt said resistance components as speed of the driven member decreases, said resistance being shunted out at a speed of the driven member substantially greater than at standstill.

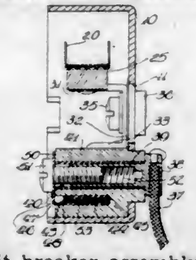
1,982,462
HYDROCARBON OIL CONVERSION
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application December 13, 1930, Serial No. 502,028
3 Claims. (Cl. 196—48)



1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under pressure, discharging the heated oil directly from the heating zone into the upper portion of an enlarged vertical reaction zone and passing both vapors and unvaporized oil downwardly through the reaction zone, separating vapors from unvaporized oil in the reaction zone and removing the separated vapors from the lower portion of the reaction zone, separately removing the unvaporized oil from the lower portion of the reaction zone

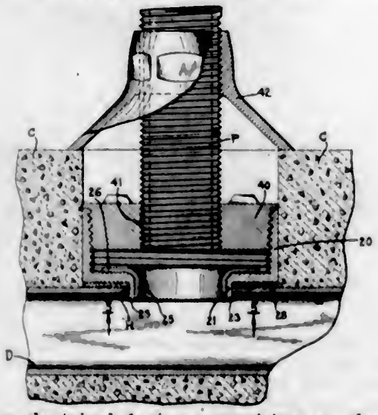
and passing the same without admixture with said vapors to a second enlarged zone wherein further separation of vapors is effected, dephlegmating the vapors removed from said vertical zone and the vapors separated in said second zone to condense heavier fractions thereof, and returning resultant reflux condensate to the heating zone, and finally condensing the dephlegmated vapors.

1,982,463
CIRCUIT BREAKER
William F. Borgerd and Charles A. Uherek, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 20, 1933, Serial No. 681,323
5 Claims. (Cl. 200—30)



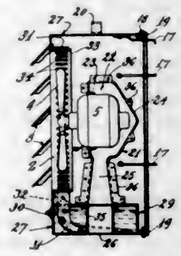
1. In a circuit breaker assembly for magnetos and in combination therewith, a cup, a stationary contact point mounted therein, a breaker arm carrying a contact point pivotally mounted in the cup and insulated therefrom, a spring secured at one end to the breaker arm, a block of insulating material mounted in the cup and rigidly secured thereto, said block having a portion extending through the cup, a member for securing the breaker arm spring, said member having a portion extending over the top of the insulating block, and means for securing said portion to the block.

1,982,464
ELECTRICAL FITTING
Stephen N. Buchanan, Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application February 10, 1932, Serial No. 591,971
2 Claims. (Cl. 247—28)



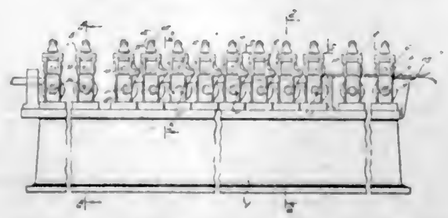
1. An electrical device comprising an electrical fitting having a relatively large diameter, an anchorage sleeve projecting therefrom, expansible projections carried by the anchorage sleeve, shoulders directed inwardly at a substantial angle upon the inner surfaces of the projections, a wedging sleeve forming a wire passage therethrough projected through the electrical fitting and anchorage sleeve and forcibly engaging the shoulders to press the projections outwardly to form outwardly extending shoulders having a substantial angle with respect to the anchorage sleeve, and a conduit supporting member secured to the electrical fitting and having an opening of smaller diameter therein to receive a conduit.

1,982,465
FORCED DRAFT AND HUMIDIFIER DEVICE FOR HOT AIR REGISTERS
H. Herbert Crafton, Beaver, Pa.
Application January 21, 1932, Serial No. 587,924
5 Claims. (Cl. 261—104)



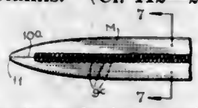
1. In a forced draft heating device for a hot air register, a casing; an electrically operated fan positioned in said casing and adapted to suck heated air through the register; an annular collar secured to the casing and surrounding the blades of said fan; a container for a liquid positioned in the casing, and a wick partly immersed in said liquid and surrounding said collar.

1,982,466
MACHINE FOR MAKING CORNER MOLDING, BEADING, AND THE LIKE
Lewis E. Curtis, Milwaukee, Wis., assignor to Milcor Steel Company, Milwaukee, Wis., a corporation of Delaware
Application July 13, 1931, Serial No. 550,352
10 Claims. (Cl. 164—6.6)



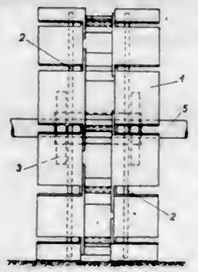
1. A machine for cutting and expanding metal comprising a series of sets of rotary cutters of progressively decreasing transverse spacing and operable to successively form longitudinal rows of incisions in the metal and to displace the metal adjacent each incision downwardly and thereby expand the same, each set having a pair of lower circular cutters and cooperable circular series of upper cutters, the lower cutters being offset with respect to the upper cutters rearwardly with respect to the direction of feed whereby to support the metal when the same is being operated upon by the cutters to preclude tearing or irregular cutting and means for rotating said cutters.

1,982,467
METHOD OF MAKING TUBULAR BELTS
William Daniel, Brooklyn, N. Y., assignor to Greenhill & Daniel, Inc., Brooklyn, N. Y., a corporation of New York
Application December 14, 1932, Serial No. 647,091
2 Claims. (Cl. 112—262)



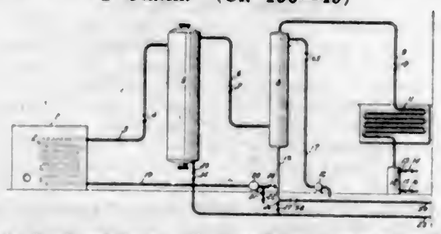
1. A method of producing a tubular belt having a pointed end from a flat blank which has a tapered end, which consists in connecting the edges of said tapered end to each other by means of stitches, then turning the tapered end so that said stitches become invisible and the blank is provided with a tapered point, and then inwardly turning the remaining portions of the edges of said blank and connecting them to each other.

1,982,468
ENDLESS TRACK FOR VEHICLES
Ottokar Drapal, Erla, near St. Valentin, Austria
Application April 7, 1933, Serial No. 664,861
In Austria April 13, 1932
3 Claims. (Cl. 305—10)



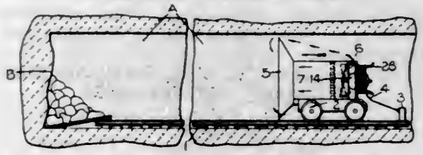
1. An endless track for vehicles, consisting of links each capable of being made from a single plate-shaped piece of material and the links being directly coupled together by means of knuckle pins, each of the said links comprising on each side a laterally projecting bearing plate adapted to engage the ground, a plate adjoining the said bearing plate extending inwardly at right angles thereto and projecting forwardly and rearwardly lengthwise of the track, bearing eyes in the latter plate, and a middle piece bridging these latter plates at their inner edges.

1,982,469
PROCESS OF CRACKING HYDROCARBON OIL
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application April 3, 1930, Serial No. 441,429
1 Claim. (Cl. 196—49)



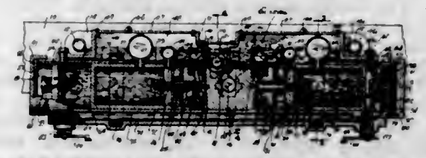
A hydrocarbon oil cracking process which comprises heating the oil in an initial heating zone to cracking temperature under pressure, separating the heated oil into vapors and an unvaporized oil substantially free of coke, dephlegmating said vapors thereby forming reflux condensate, flash distilling said unvaporized oil by lowering the pressure thereon, combining the residuum of the flash distillation with portions of said reflux condensate, passing the resultant mixture in a restricted stream through a second heating zone and heating the same therein to a cracking temperature adequate to enable subsequent separation of the mixture into vapors and a coke-like residue, discharging the thus heated mixture into an enlarged zone and separating the same therein into vapors and a coke-like residue.

1,982,470
METHOD OF CLEANING AIR IN ENCLOSED SPACES
Wilbur Rounding Franks, Toronto, Ontario, Canada
Application August 4, 1933, Serial No. 683,603
In Canada May 18, 1933
16 Claims. (Cl. 183—114)



1. In a method of cleaning air in a mine drift or stope, the steps which consist in providing a seal or closure at the rear end of the dust laden air zone in such drift to completely seal such zone, withdrawing the dust laden air from such zone exteriorly thereof, treating the air withdrawn to remove the dust therefrom, and subsequently introducing the dust free air into the drift behind the seal or closure.

1,982,471
HYDRO-PNEUMATIC SHOCK ABSORBER FOR MOTOR VEHICLES
Lucien R. Gruss, Cleveland, Ohio
Application March 21, 1932, Serial No. 600,208
12 Claims. (Cl. 267—8)

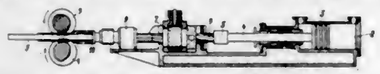


1. A hydro-pneumatic shock absorber, having a pair of concentric cylinders for oil and air and valved passages connecting said cylinders, hollow cylindrical pistons in opposed ends of the inner cylinder, the hollows of said cylindrical pistons forming oil chambers therein, piston rods with piston heads mounted thereon, actuating the oil to compress the air within the cylinders, a sliding block connected to and between said piston rods, and means actuated according to shock and rebound to reciprocate the sliding block.

1,982,472
REVOLVING DEVICE FOR PILGER MILLS
Heinrich Heetkamp, Duisburg, Germany
Application December 28, 1931, Serial No. 583,526
In Germany December 27, 1930
2 Claims. (Cl. 80—14)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A device for use in pilger rolling mills for rotating the work in its feed movement, comprising a spindle adapted for connection to the

rear of the work, the said spindle being provided with guide surfaces extending in the direction of its length, the said guide surfaces being twisted helically for a portion of their length and being straight for the remainder of their length, means for advancing and retracting the spindle and the work, a fixed bearing member, a casing rotatably



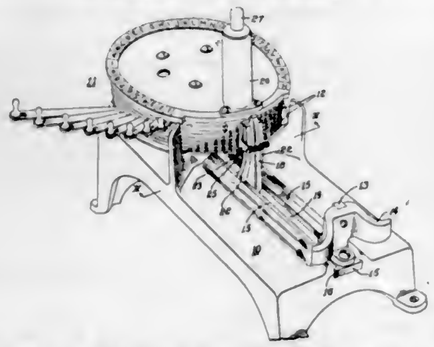
mounted in the said bearing member and through which the spindle extends, rollers carried by the said casing and adapted to engage the guide surfaces of the spindle in a plane perpendicular to the axis of the spindle, ratchet teeth formed upon the periphery of the casing, and resilient restraining means carried by the bearing member for engaging the said teeth.

1,982,473

INKER FOR MARKING MACHINES

Frank Magidson, Pittsburgh, Pa., assignor to Pittsburgh Tag Company, a corporation of Pennsylvania

Application August 18, 1932, Serial No. 629,284
9 Claims. (Cl. 101—335)



1. The combination with a printing head of a sliding platen for carrying the work against the printing head and an inking arm operatively connected to said platen, said arm being at an angle to the printing head whereby as the platen is moved into printing contact one end of the inking arm first engages one side of the printing head and is then rolled thereacross and means for suddenly moving said arm away from said head on further movement of the platen toward the head to prevent the smearing of the type on said printing head.

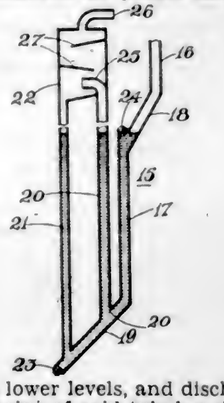
1,982,474

AUTOMATIC PRESSURE RELIEF DEVICE

William F. Mesinger, Flushing, N. Y., and Arthur C. Mattison, Hammond, Ind., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application March 28, 1933, Serial No. 663,174
4 Claims. (Cl. 137—53)

2. A pressure relief device comprising, in combination, a multi-legged chambered member having a filling of a desired quantity of working liquid, said member having a vertically extending pressure leg provided with a connection leading to a source of pressure, a plurality of sealing legs having a common head chamber, an inclined tubular chamber connected in common to the base of all of said legs, said pressure leg communicating with said tubular chamber at the highest point and said sealing legs communicating with said tubular chamber at points having respec-



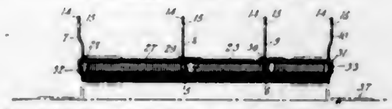
tively different lower levels, and discharge means at the lowest point of said tubular chamber.

1,982,475

RESISTANCE UNIT

John J. Mucher, Brooklyn, N. Y.

Original application April 18, 1933, Serial No. 666,765, now Patent No. 1,976,624, October 9, 1934. Divided and this application September 23, 1933, Serial No. 690,730
3 Claims. (Cl. 201—63)



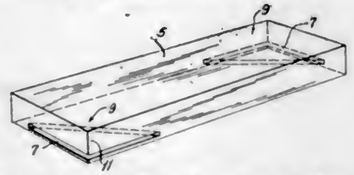
1. A resistance unit comprising a substantially flat narrow insulating core, a winding thereon of resistance wire, said winding being in a plurality of sections, each section comprising a different resistance, a pair of terminal clips arranged at the ends of the core and in engagement with the ends of the winding, said core intermediate the ends having a notch at each side at the place where the sections change, a terminal for each pair of notches, each of said terminals having a pair of depending flanges fitting into said notches, an upstanding portion and a flat body acting to bridge adjacent ends of different sections, an insulating covering for said resistance wire and the terminals except the upwardly extending portions, and a metal sheathing for holding the insulating covering and the terminals in operative position said metal sheathing including an encircling portion and a depending lug at each end for overlapping the end part of said insulating covering and said end terminals.

1,982,476

FLOORING

Harold M. Newton, Clayton, Mo., assignor to The Midland Creosoting Company, Toledo, Ohio, a corporation of Ohio

Application August 26, 1933, Serial No. 686,867
9 Claims. (Cl. 20—6)



1. Flooring comprising lengths of flooring material of rectangular shape having notches in diagonally disposed corners thereof, the other diagonally disposed corners being unnotched,

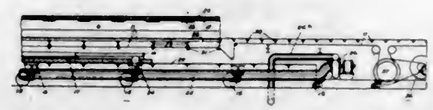
said lengths being laid herringbone fashion, and said notches being of such depth as to form continuous passages at the ends of blocks adjacently placed, and a key positioned in said passage.

1,982,477

APPARATUS FOR ANNEALING GLASSWARE

William A. Morton, Pittsburgh, and Paul L. Geer, Bellevue, Pa., assignors to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 4, 1934, Serial No. 723,852
2 Claims. (Cl. 49—47)



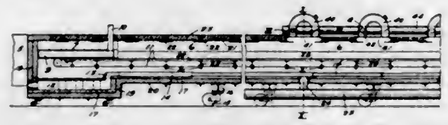
1. A leer structure comprising bottom, top and side walls constituting a muffle chamber, an endless conveyor having its ware bearing strand disposed within said chamber, heating means adjacent the bottom wall of said chamber to produce ascending convection currents within said chamber, regulating means controlling the temperature longitudinally of said chamber, and spaced supporting members below the ware bearing strand of the conveyor constituting baffles to prevent continuous movement of air currents adjacent the conveyor, said conveyor comprising a perforated ware bearing member exposing a maximum portion of the base of the ware to the bottom wall of the chamber, and the ware bearing portion of said conveyor being spaced a sufficient distance above the bottom wall to form a temperature equalizing chamber below and coextensive with said conveyor and heating means in which convection currents moving forward in the tunnel longitudinally beneath the conveyor are heated and diffused before passing through the perforated strand to envelope the ware.

1,982,478

METHOD OF AND APPARATUS FOR ANNEALING GLASSWARE

William A. Morton, Pittsburgh, and Paul L. Geer, Bellevue, Pa., assignors, by mesne assignments, to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 11, 1927, Serial No. 182,548
14 Claims. (Cl. 49—47)



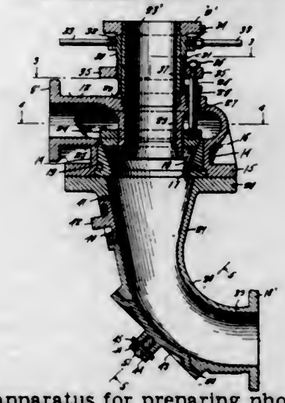
1. The method of annealing glassware which consists in passing the ware through a tunnel, heating the tunnel by passing a current of heated gases through the interior thereof, and regulating the temperature of said tunnel towards its discharge end while maintaining a predetermined pressure within the tunnel by withdrawing a volume of heated tunnel air from the tunnel and cooling it by introducing thereto atmospheric air and then passing the said commingled air increased in volume back into the tunnel, whereby a regulated tunnel air pressure in excess of atmospheric pressure is maintained.

1,982,479

APPARATUS FOR PRODUCING PHOSPHATIC FERTILIZERS

Beverly Ober, William W. Pagon, George L. Pruett, and Willard W. Troxell, Baltimore, Md., assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md., a corporation of Maryland

Original application September 20, 1929, Serial No. 394,130, now Patent No. 1,893,437. Divided and this application April 9, 1931, Serial No. 528,918
9 Claims. (Cl. 71—1)



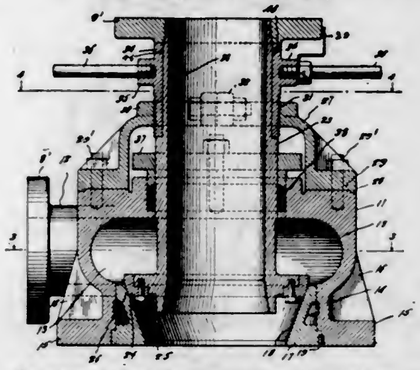
1. An apparatus for preparing phosphatic fertilizer comprising an acid storage tank, a dust hopper, an autoclave, means to direct a stream of dust at high velocity toward the autoclave, means to enclose said stream with a stream of acid at high velocity, and means to maintain the velocities of the respective streams.

1,982,480

APPARATUS FOR PRODUCING PHOSPHATIC FERTILIZER

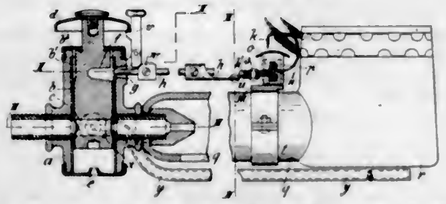
George C. Pfaff, Baltimore, Md., assignor to The Oberphos Company, Baltimore, Md.

Application August 19, 1932, Serial No. 629,547
8 Claims. (Cl. 259—4)



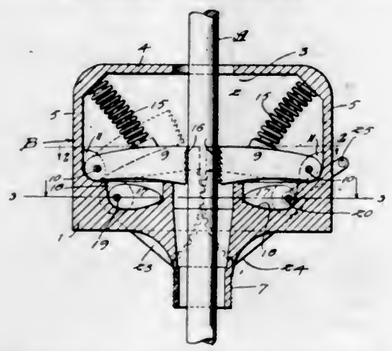
1. An apparatus for compounding dust and a liquid comprising a valve body having an interior circular channel for receiving the liquid means to tangentially introduce liquid to said channel, a seat below said channel, a hollow sleeve serving as a conduit for the dust and terminating closely adjacent the seat the diameter of the sleeve being considerably greater than the space between the sleeve and the seat, and means to move the sleeve in a vertical plane to thereby vary the distance between the terminal of the sleeve and the seat.

1,982,481
AUTOMATIC GAS CUT-OFF
Franz Raible, Munich, Germany
Application August 4, 1931, Serial No. 555,069
In Germany June 29, 1931
2 Claims. (Cl. 158—117.2)



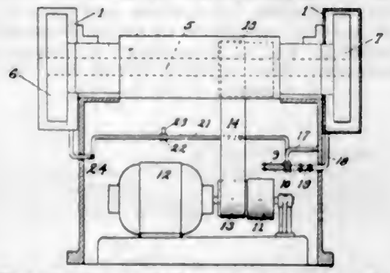
1. In combination with a gas burner, a self-closing cock having a hollow cylindrical housing with a bottom, the lower part of said housing having two mutually opposite bores for the passage of the gas and the upper part having a hole in its wall, a plug in said housing resting on the bottom of said housing, the lower part of said plug fitting gas-tightly in said housing and having a gas passage and the upper part reduced in diameter and having a radial incision, said plug being liftable in said housing to bring its gas passage into alignment with the gas passage in said housing and its incision into alignment with said hole of the housing, and said plug also rotatable for the purpose of regulating the gas flow through the gas passages in said housing and said plug when the latter is lifted, a rod penetrating into the hole in said housing, thermostatic means positioned within heating relation to the burner and operable to shift said rod into said incision in the plug, when the latter is lifted, a handle on said plug, a pawl operating to engage under said handle when said plug is in lifted position, and a catch on said rod operating to disengage said pawl when said rod is shifted into the incision in said plug.

1,982,482
ROD SPIDER
Harry L. Rhodes, Okmulgee, Okla.
Application June 27, 1934, Serial No. 732,726
2 Claims. (Cl. 24—248)



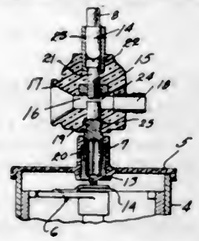
1. A device of the character specified, comprising a hollow casing, a pair of oppositely disposed dogs pivoted in the casing and provided with teeth at their inner or free ends adapted to engage the pumping rod, coil springs tending to hold the dogs in operative or pump engaging position, cams pivoted in the casing directly beneath the dogs and manually operated means for causing the cams to simultaneously raise the free ends of the dogs against the tension of said coil springs.

1,982,483
GRINDING MACHINE
Emil Ritz, Jr., Mount Healthy, Ohio, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio, a partnership composed of Walter J. Friedlander and John W. Friedlander
Application November 23, 1929, Serial No. 409,400
4 Claims. (Cl. 51—166)



1. In a machine of the character described, in combination with a plurality of rotatable members subject to wear and motive means therefor, movable elements, the permissible extent of movement of which is governed by the degree of wear of respective ones of said members, a connection shiftable on the motive means for driving said members at different speeds, governing means comprising a part movable to prevent or permit shifting of said connection and comprising a lever and a link connecting said part and said lever, and extensions on said movable elements engageable, respectively, with said part and said lever, for blocking the movement of said governing means except upon a certain extent of movement of said movable element.

1,982,484
OZONIZING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Arthur C. Runge, Detroit, Mich.
Application November 6, 1929, Serial No. 405,252
2 Claims. (Cl. 123—119)



1. In a device of the character described for use in conjunction with the cover of a commutator for distributing electric current in the ignition system of an internal combustion engine having a fuel intake, the said cover having a central socket and a contact element in the socket forming part of the ignition circuit, of an ozone producing device comprising a body of insulating material having a conduit for air therethrough and discharging to the fuel intake, a plug in the said body having an end projecting into the said air conduit within the body and an end projecting from the body for insertion in the socket of the cover to engage said contact element, a second plug in longitudinal alignment with the first named plug and terminating in the said air conduit within the body in spaced relation with the end of the first plug providing a spark gap, the last named plug being longitudinally adjustable in the body toward or from the first plug, and a socket connected with the last named plug adapted to receive a lead-in wire of the ignition circuit.

1,982,485
STORAGE BATTERY GRID
Harry Salmon, Westminster, London, and Ernest Thomas Williams, Golders Green, London, England, assignors to The Expanded Metal Company, Limited, London, England
Application March 28, 1931, Serial No. 526,060
In Great Britain April 9, 1930
4 Claims. (Cl. 136—36)



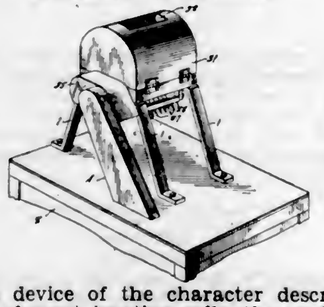
1. An accumulator plate including a sheet of expanded metal stiffened by a rigid member formed with a wavy groove in which the expanded metal is located and fixed, said expanded metal being made on a bias whereby the sheet is given a spine which is parallel to one edge.

1,982,486
RESIN AND METHOD OF MAKING THE SAME
Paul F. Schlingman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 30, 1929, Serial No. 359,433
7 Claims. (Cl. 260—130)

1. The process of preparing a resin which consists in treating an aromatic amine of the group consisting of benzidine and diphenylamines, with an aldehyde of the group consisting of aldehydes of the lower fatty acid series and furfural, in a solution of non-oxidizing mineral acid which forms an addition product with the amine, precipitating the condensation product with alkali, and molding said product under heat and pressure.

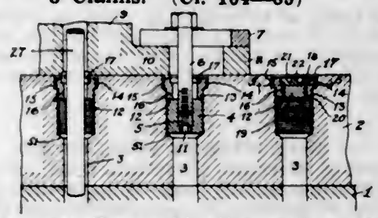
6. The neutralized product of the condensation in hydrochloric acid solution of an aromatic amine of the group consisting of benzidine and diphenylamines, and an aldehyde of the group consisting of aldehydes of the lower fatty acid series and furfural, which product is rendered infusible under heat and pressure.

1,982,487
FRENCHING MACHINE
William Swift, Omaha, Nebr.
Application September 8, 1932, Serial No. 632,228
2 Claims. (Cl. 17—26)



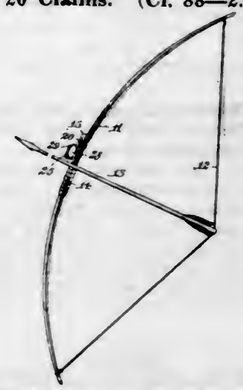
1. In a device of the character described, a plurality of meat treating rolls, the surfaces of which are composed of contiguous rectangular pyramids, a set of wires strung across each roll transversely thereof, said sets of wires spreading apart as they extend upwardly from the rolls to form a hopper for feeding the meat to the rolls, and extending downwardly from the rolls to insure removal of the treated meat therefrom, a support for the lower ends of said wires comprising a rotatable bar, a plurality of pegs spaced along the length of the bar and rotatable therein, and means for securing each of the wires to an independent peg.

1,982,488
HOLD-DOWN PLUG FOR PUNCH PRESSES AND THE LIKE
John A. Weber, Detroit, Mich.
Application August 24, 1932, Serial No. 630,220
8 Claims. (Cl. 164—85)



1. In a press, the combination, with a member having a series of tapped holes in spaced relation, the said holes having cylindrical counterbores at their upper ends, of a plug externally threaded to fit within any one of the said holes and having a head adapted to bear against the bottom of said counterbore, said plug having a polygonal aperture for co-operation with wrench means to turn it, and a pressure pin having tangential contact with the sides of said aperture for guiding said pin.

1,982,489
SIGHT FOR BOWS
Urquhart Wilcox, Buffalo, N. Y.
Application August 24, 1932, Serial No. 630,263
20 Claims. (Cl. 88—2.2)

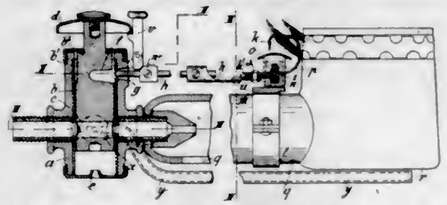


1. A sight for bows, comprising a lens frame projecting laterally from the bow between its ends, and a prism lens rotatably arranged within said frame.

1,982,490
CELLULAR CLAY INSULATION FOR METALLURGICAL APPARATUS
Clyde E. Williams and John D. Sullivan, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application July 29, 1932, Serial No. 626,172
8 Claims. (Cl. 266—43)

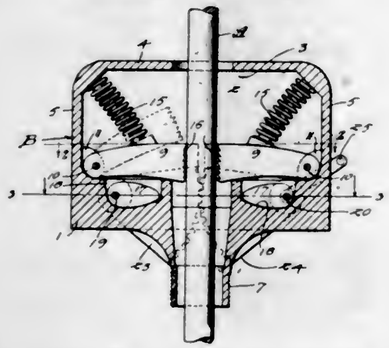
1. A ceramic or refractory unit for lining metallurgical apparatus comprising a refractory material of relatively high density and a light

1,982,481
AUTOMATIC GAS CUT-OFF
Franz Raible, Munich, Germany
Application August 4, 1931, Serial No. 555,069
In Germany June 29, 1931
2 Claims. (Cl. 158—117.2)



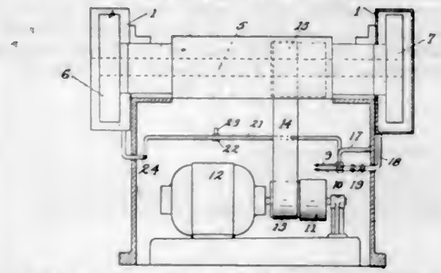
1. In combination with a gas burner, a self-closing cock having a hollow cylindrical housing with a bottom, the lower part of said housing having two mutually opposite bores for the passage of the gas and the upper part having a hole in its wall, a plug in said housing resting on the bottom of said housing, the lower part of said plug fitting gas-tightly in said housing and having a gas passage and the upper part reduced in diameter and having a radial incision, said plug being liftable in said housing to bring its gas passage into alignment with the gas passage in said housing and its incision into alignment with said hole of the housing, and said plug also rotatable for the purpose of regulating the gas flow through the gas passages in said housing and said plug when the latter is lifted, a rod penetrating into the hole in said housing, thermostatic means positioned within heating relation to the burner and operable to shift said rod into said incision in the plug, when the latter is lifted, a handle on said plug, a pawl operating to engage under said handle when said plug is in lifted position, and a catch on said rod operating to disengage said pawl when said rod is shifted into the incision in said plug.

1,982,482
ROD SPIDER
Harry L. Rhodes, Okmulgee, Okla.
Application June 27, 1934, Serial No. 732,726
2 Claims. (Cl. 24—248)



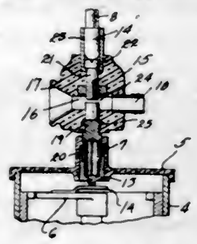
1. A device of the character specified, comprising a hollow casing, a pair of oppositely disposed dogs pivoted in the casing and provided with teeth at their inner or free ends adapted to engage the pumping rod, coil springs tending to hold the dogs in operative or pump engaging position, cams pivoted in the casing directly beneath the dogs and manually operated means for causing the cams to simultaneously raise the free ends of the dogs against the tension of said coil springs.

1,982,483
GRINDING MACHINE
Emil Ritz, Jr., Mount Healthy, Ohio, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio, a partnership composed of Walter J. Friedlander and John W. Friedlander
Application November 23, 1929, Serial No. 409,400
4 Claims. (Cl. 51—166)



1. In a machine of the character described, in combination with a plurality of rotatable members subject to wear and motive means therefor, movable elements, the permissible extent of movement of which is governed by the degree of wear of respective ones of said members, a connection shiftable on the motive means for driving said members at different speeds, governing means comprising a part movable to prevent or permit shifting of said connection and comprising a lever and a link connecting said part and said lever, and extensions on said movable elements engageable, respectively, with said part and said lever, for blocking the movement of said governing means except upon a certain extent of movement of said movable element.

1,982,484
OZONIZING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Arthur C. Runge, Detroit, Mich.
Application November 6, 1929, Serial No. 405,252
2 Claims. (Cl. 123—119)



1. In a device of the character described for use in conjunction with the cover of a commutator for distributing electric current in the ignition system of an internal combustion engine having a fuel intake, the said cover having a central socket and a contact element in the socket forming part of the ignition circuit, of an ozone producing device comprising a body of insulating material having a conduit for air therethrough and discharging to the fuel intake, a plug in the said body having an end projecting into the said air conduit within the body and an end projecting from the body for insertion in the socket of the cover to engage said contact element, a second plug in longitudinal alignment with the first named plug and terminating in the said air conduit within the body in spaced relation with the end of the first plug providing a spark gap, the last named plug being longitudinally adjustable in the body toward or from the first plug, and a socket connected with the last named plug adapted to receive a lead-in wire of the ignition circuit.

1,982,485
STORAGE BATTERY GRID
Harry Salmon, Westminster, London, and Ernest Thomas Williams, Golders Green, London, England, assignors to The Expanded Metal Company, Limited, London, England
Application March 28, 1931, Serial No. 526,060
In Great Britain April 9, 1930
4 Claims. (Cl. 136—36)



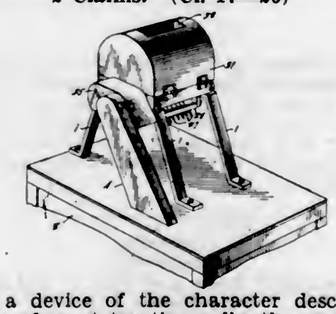
1. An accumulator plate including a sheet of expanded metal stiffened by a rigid member formed with a wavy groove in which the expanded metal is located and fixed, said expanded metal being made on a bias whereby the sheet is given a spine which is parallel to one edge.

1,982,486
RESIN AND METHOD OF MAKING THE SAME
Paul F. Schlingman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 30, 1929, Serial No. 359,433
7 Claims. (Cl. 260—130)

1. The process of preparing a resin which consists in treating an aromatic amine of the group consisting of benzidine and diphenylamines, with an aldehyde of the group consisting of aldehydes of the lower fatty acid series and furfural, in a solution of non-oxidizing mineral acid which forms an addition product with the amine, precipitating the condensation product with alkali, and molding said product under heat and pressure.

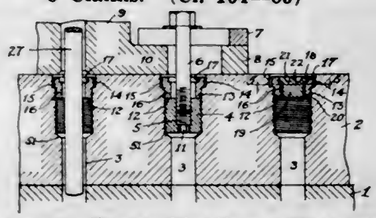
6. The neutralized product of the condensation in hydrochloric acid solution of an aromatic amine of the group consisting of benzidine and diphenylamines, and an aldehyde of the group consisting of aldehydes of the lower fatty acid series and furfural, which product is rendered infusible under heat and pressure.

1,982,487
FRENCHING MACHINE
William Swift, Omaha, Nebr.
Application September 8, 1932, Serial No. 632,228
2 Claims. (Cl. 17—26)



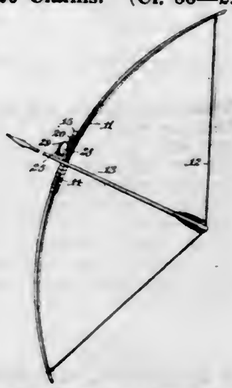
1. In a device of the character described, a plurality of meat treating rolls, the surfaces of which are composed of contiguous rectangular pyramids, a set of wires strung across each roll transversely thereof, said sets of wires spreading apart as they extend upwardly from the rolls to form a hopper for feeding the meat to the rolls, and extending downwardly from the rolls to insure removal of the treated meat therefrom, a support for the lower ends of said wires comprising a rotatable bar, a plurality of pegs spaced along the length of the bar and rotatable therein, and means for securing each of the wires to an independent peg.

1,982,488
HOLD-DOWN PLUG FOR PUNCH PRESSES AND THE LIKE
John A. Weber, Detroit, Mich.
Application August 24, 1932, Serial No. 630,220
8 Claims. (Cl. 164—85)



1. In a press, the combination, with a member having a series of tapped holes in spaced relation, the said holes having cylindrical counterbores at their upper ends, of a plug externally threaded to fit within any one of the said holes and having a head adapted to bear against the bottom of said counterbore, said plug having a polygonal aperture for co-operation with wrench means to turn it, and a pressure pin having tangential contact with the sides of said aperture for guiding said pin.

1,982,489
SIGHT FOR BOWS
Urquhart Wilcox, Buffalo, N. Y.
Application August 24, 1932, Serial No. 630,263
20 Claims. (Cl. 88—2.2)

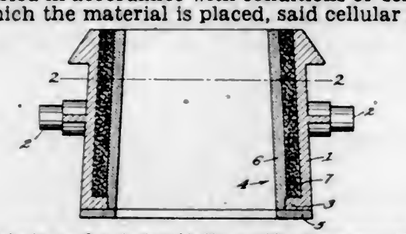


1. A sight for bows, comprising a lens frame projecting laterally from the bow between its ends, and a prism lens rotatably arranged within said frame.

1,982,490
CELLULAR CLAY INSULATION FOR METALLURGICAL APPARATUS
Clyde E. Williams and John D. Sullivan, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application July 29, 1932, Serial No. 626,172
8 Claims. (Cl. 266—43)

1. A ceramic or refractory unit for lining metallurgical apparatus comprising a refractory material of relatively high density and a light

weight cellular layer inseparably united with one of the surfaces of said body portion, the relative thicknesses of the dense and cellular bodies to be varied in accordance with conditions or service to which the material is placed, said cellular ma-



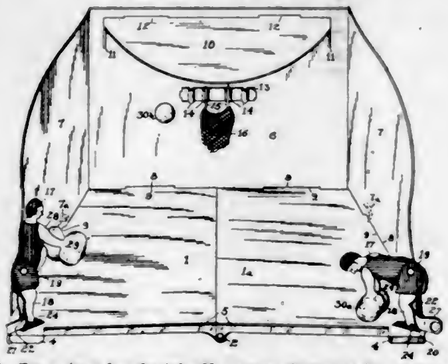
terial being of substantially uniform composition throughout and characterized by the inclusion throughout its body of separate and closed cells separated by thin cell walls of refractory material.

1,982,491

TOY BASKET BALL GAME

Howard N. Barnum, Cleveland, Ohio, assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 25, 1933, Serial No. 662,760
9 Claims. (Cl. 273—85)



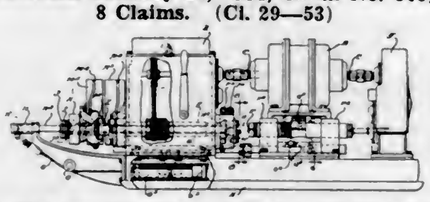
5. In a toy basket ball game, for use in connection with a floor, a wall rising from the floor and a basket mounted on said wall, a mechanical player arranged for throwing a playing ball toward the basket and comprising a two-part body, the upper part being pivoted relative to the lower part, means comprising a pair of opposed and upwardly diverging disks arranged to support the playing ball and moving with the upper part to support a playing ball, and lever mechanism for swinging the upper part to throw the ball toward the basket.

1,982,492

NUT BLANKING MACHINE

Samuel Baxendale, Detroit, Mich., assignor, by direct and mesne assignments, to The Modern Collet & Machine Company, Ecorse, Mich., a corporation of Michigan

Application January 19, 1931, Serial No. 509,825
8 Claims. (Cl. 29—53)



1. The combination with a revoluble spindle for receiving a stock bar and a collet for intermittently clamping said bar within said spindle, of means for feeding said bar through said spindle when released by said collet comprising a spring actuated rotary drum, a cable wound on said drum adapted to be drawn off the same against the tension of said spring, and a follower for engaging the end of the stock bar attached to the end of said cable.

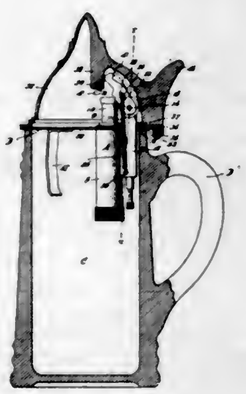
5. The combination with a revoluble work holder, means for feeding a stock bar through said holder and means for intermittently clamping the bar to said holder, of means for cutting off a blank from the projecting end of said bar while clamped in said holder, a drill spindle and a drill therein for boring said blank before the severing of the same, a reciprocating member for actuating said drill spindle arranged parallel thereto, a cam for actuating said reciprocating member and for imparting to the same a fixed length of stroke with a dwell at a point intermediate the ends of the stroke, a lever for communicating the reciprocation of said member to the drill spindle and a fulcrum for said lever adjustable independently thereof to vary the stroke of said spindle, and to correspondingly vary the position of the drill during the dwell between limits of reciprocation whereby the drill forms a stop for the advancement of the stock and gauges the thickness of the blank cut off.

1,982,493

LIGHTER UNIT AND MOUNTING THEREFOR

Max E. Bernhardt, New York, N. Y.

Application December 1, 1933, Serial No. 700,533
15 Claims. (Cl. 67—4.1)



12. A mounting for a lighter unit having a spring operated past center actuator arm, including a base for supporting the lighter unit, a hingedly associated lid, and means on the lid engageable with the actuator arm for moving the arm past center to ignite the lighter upon opening of the lid.

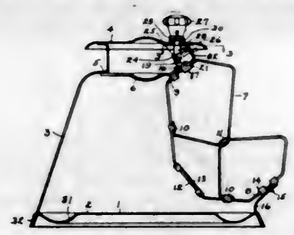
1,982,494

TOASTER

Raymond W. Bond and Otto A. Hokanson, Fort Wayne, Ind.

Application April 14, 1933, Serial No. 666,185
7 Claims. (Cl. 53—5)

1. A toaster comprising a heat distributing base, a top supported on the base, a heat deflecting member spaced below the top, a plurality of holders pivotally mounted at opposite ends on



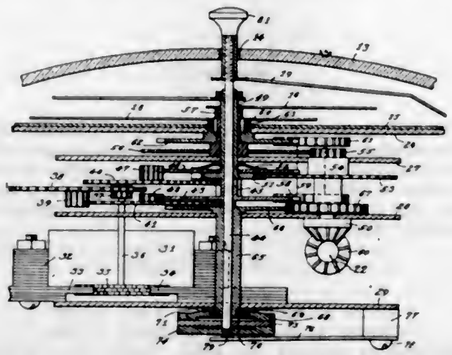
the base and the deflecting member and means for individually turning the holders to predetermined limited positions.

1,982,495

CLOCK AND INTERVAL TIMER

George Browning, Wilmette, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application March 5, 1932, Serial No. 596,958
7 Claims. (Cl. 161—23)



1. A clock and interval timer having signal means including a clock movement, a clutch having a driving and a driven element, means for rotating said driving element from said clock movement, signal control means positioned to be actuated by said driven element at a predetermined rotative position, means for setting said driven element at a desired rotative position with respect to said predetermined position, means for holding the driving and driven elements in engagement to cause said driven element to move with said driving element through a predetermined angularity to actuate said control means and render said signal means operative upon the lapse of a measured period of time, and means for simultaneously disengaging said clutch and latching the same in a disengaged position.

1,982,496

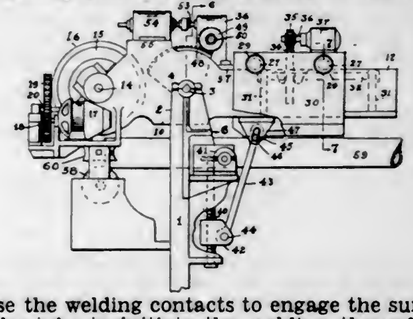
ELECTRIC WELDING MACHINE

Howard J. Burnish, Sewickley, Pa., assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application October 2, 1931, Serial No. 566,469
19 Claims. (Cl. 219—6)

5. In a tube-welding machine, a beam member, means oscillably supporting the beam member between its ends, a pair of welding contacts carried by the beam member at one side of the supporting means and adapted to conduct welding current to adjacent edges of a formed tube as

the latter passes through the machine, a counterweight adjustable longitudinally of the beam member at the other side of the supporting means to regulate the pressure of the contacts on the tube during the welding thereof, eccentric means for raising and lowering the beam member to



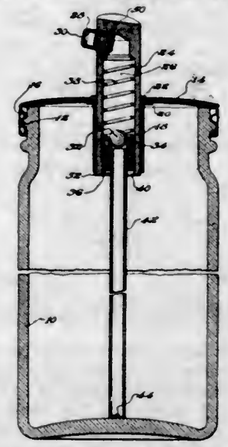
cause the welding contacts to engage the surface of the tube to initiate the welding thereof and disengage them therefrom at the conclusion of the welding thereof, and a power unit for actuating the eccentric means.

1,982,497

PUMP

Louis M. Cotchett, Hingham, Mass., assignor to Textile Patent & Process Company, Boston, Mass., a corporation of Massachusetts

Application September 13, 1933, Serial No. 689,243
5 Claims. (Cl. 299—97)



3. A fluid pumping unit comprising a hollow plunger forming a chamber, a guide within which the plunger slidably moves, means for slidably closing the chamber within the plunger at one end, a fluid inlet communicating with the slidable closure, a spring in the chamber for normally maintaining the slidable closure at the end of the chamber, an outlet from the opposite end of the chamber, and a valve for closing communication with the inlet upon contraction of the chamber within the plunger.

1,982,498

SHEET METAL PIPE FITTING

Edward S. Cornell, Jr., Watertown, Conn.

Application August 4, 1931, Serial No. 555,032
2 Claims. (Cl. 137—75)

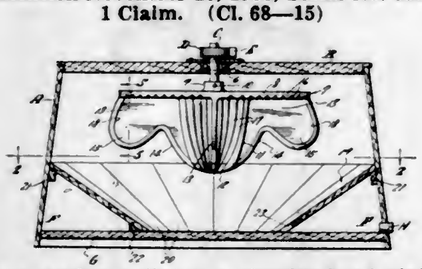
1. A threadless pipe fitting comprising a body having a passage extending longitudinally therethrough, hollow end members at each end opening

of the longitudinal passage and in substantial alignment with each other and with the longitudinal passage, and a relatively long hollow neck member communicating at its inner end with said longitudinal passage, said body and said hollow neck member being of integral wrought metal of substantially uniform and relatively small dimensioned wall thickness, and said hollow neck member having a length substantially equal to each hollow end member, said neck member having a substantially smooth face of substantially uniform diameter substantially throughout the area of said smooth



face to afford a rigid sweated telescoped connection with an end of a pipe or pipe fitting, the material of said body terminating in edge portions disposed within the outer wall dimension of the body, said edge portions abutting one another in a direction extending longitudinally of the body and on a side of the body opposing said neck member, means for securing said abutting edge portions in a self-sealing joint, said hollow end members having each a substantially smooth exterior face of substantially uniform diameter substantially throughout its area to afford a rigid sweated telescoped connection with an end of a pipe or pipe fitting.

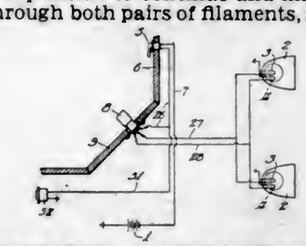
1,982,499
WASHING MACHINE
Emma Davis, Lucile, Idaho
Application November 16, 1933, Serial No. 698,262
1 Claim. (Cl. 68—15)



In a washer agitator, a circular head plate, a centrally disposed and depended rounded head on the head plate, a plurality of radially disposed vanes on the underside of the head plate extending from the head outward, the said vanes having widened rounded lobes adjacent their outer ends, and the said head plate and head having radial spaced ribs between each pair of the vanes.

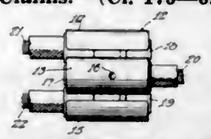
1,982,500
ELECTRIC LIGHTING SYSTEM AND CONTROLS THEREFOR
Harry A. Douglas, Bronson, Mich.
Application October 14, 1931, Serial No. 568,670
2 Claims. (Cl. 171—97)

2. In a lighting system for automotive vehicles, the combination of a plurality of pairs of lighting filaments, a source of current, switching mechanism for simultaneously establishing and maintaining circuits through both of said pairs of filaments, and unitary auxiliary switching mechanism having two alternative positions, one of said positions continuing the circuit through both pairs of filaments and the other position discontinuing the circuit through one pair of filaments and continuing a circuit through the other pair, operator controlled means moving the auxiliary switching mechanism into the first mentioned position to continue and maintain the circuit through both pairs of filaments, and means



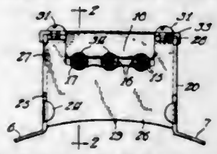
for automatically moving the auxiliary switching mechanism to the second mentioned position to continue the circuit through one pair of filaments but to discontinue the circuit through the other pair upon release of said operator control means.

1,982,501
CONNECTING MEANS
Harry A. Douglas, Bronson, Mich.
Application June 13, 1932, Serial No. 616,845
4 Claims. (Cl. 173—328)



1. As an article of manufacture, a connector comprising a single sheet of resilient metal bent upon itself in a series of continuous ogee curves to form a plurality of triangularly disposed parallel spring sleeves each having a longitudinal opening therein.

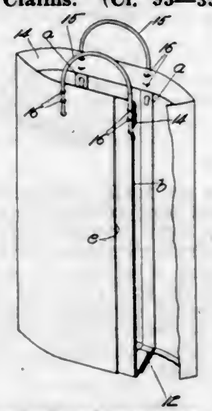
1,982,502
JUNCTION BOX OR THE LIKE
Harry A. Douglas, Bronson, Mich.
Application August 29, 1932, Serial No. 630,884
1 Claim. (Cl. 247—15)



As an article of manufacture, a junction box or the like comprising a metallic receptacle having one of its walls angularly extended to provide a fixed jaw lying in the plane of another wall of the receptacle, said fixed jaw providing a fixed section of the second wall; a movable section of the second wall forming a closure for the receptacle and slidable in the plane of the said fixed jaw thereby providing complementary jaws, said movable section having side portions between which said fixed jaw telescopes; angularly related lugs on said side portions extended into the receptacle to the first wall; registering holes in said lugs and in said first wall; clamping screws having heads bearing against the outer surface of said first wall and shanks passing through the holes, said shanks having threaded engagement with said lugs to draw the movable sections toward the first wall and the jaws together; third and fourth walls of the receptacle upon which said movable section slides; and tongues on the third and fourth walls lapping the movable section at the end of said movable section opposite the fixed jaw to define its plane of movement,

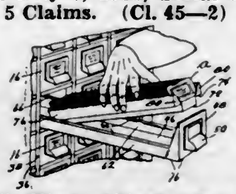
openings provided in the first wall from said holes in the first wall to the margins thereof to pass the said screw shanks therethrough whereby the movable section can be separated from the receptacle without removing the screws.

1,982,503
PAPER BAG
Carleton G. Eaton, Waltham, Mass., assignor to A. M. Eaton Paper Company, Boston, Mass., a corporation of Massachusetts
Application September 19, 1929, Serial No. 393,802
5 Claims. (Cl. 93—35)



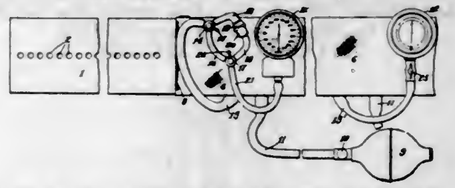
1. The method of making paper shopping bags which comprises moistening the gummed surface of a plurality of strips of gummed tape, securing said moistened strips on a blank of paper in spaced parallel positions so that each extends from one end along a substantial distance on said blank, folding said blank to substantially tubular form with one end closed and so that a pair of said strips are positioned upon each of two substantially diametrically opposite portions, and securing the opposite ends of two handles of string or the like to different strips.

1,982,504
STENCIL FILING CABINET
Harmon P. Elliott, Watertown, Mass.
Application May 7, 1932, Serial No. 609,935
5 Claims. (Cl. 45—2)



1. A stencil filing cabinet comprising means providing a horizontally-elongated compartment, a stencil-holding tray, a tray carrier movable inwardly and outwardly of said compartment and having upstanding side members between which said tray is removably positioned, and positioning members located in opposed relation with the ends of said tray for defining the lengthwise position thereof in said carrier, said tray having upstanding side walls which are higher than the side walls of said carrier so that said tray side walls can be grasped by the hand and the tray lifted out of said carrier, said carrier having an upstanding front wall which constitutes a closure for said compartment and also constitutes a positioning member and is higher than said tray.

1,982,505
ARTERIOMANOMETER
George B. Emerson, Cambridge, Mass.
Application December 30, 1932, Serial No. 649,517
10 Claims. (Cl. 73—44)

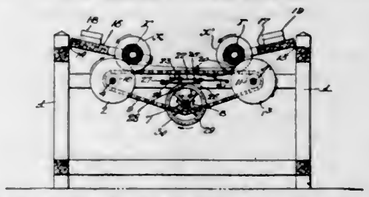


5. In a manometer apparatus for taking blood or related pressures of the body, a band having an air sac, said band being of resonant material of a length sufficient to enable the band to be overlapped upon itself and locked about an included body area as a completely encircling member which when the air sac is inflated acts both as a constrictive element to shut off the artery and as a continuous and unbroken sound reflective surface for the systolic and diastolic sounds which may be heard when the artery is shut off, means whereby said band may be adjusted to predetermined diameters and positively locked at any selected position of adjustment about the included body area against dislodgment therefrom when the air sac is inflated, and means for inflating said air sac.

1,982,506
POLYMERIZED BITUMINOUS, PREMOLDED, EXPANSION JOINT
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application December 21, 1925, Serial No. 76,904
2 Claims. (Cl. 106—31)

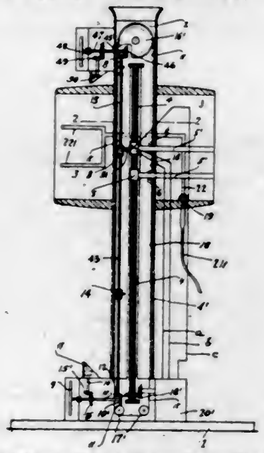
1. A premolded expansion joint consisting of a mixture of five (5) per cent polymerized Chinawood oil, eighty-five (85) per cent bituminous material and ten (10) per cent finely divided material.

1,982,507
WARPING APPARATUS
John Ellsworth Fite, Philadelphia, Pa.
Application April 7, 1932, Serial No. 603,851
3 Claims. (Cl. 28—35)



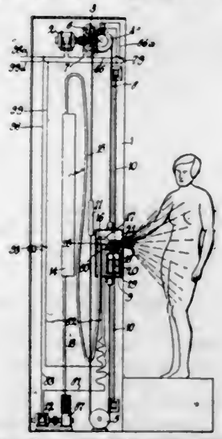
1. In an apparatus for warping rubber threads in a substantially normally contracted state the combination of a pair of relatively spaced wheels of equal diameter, means for rotating the wheels at substantially equal speeds, means adjacent said wheels for supporting cylindrical packages of rubber thread in frictional contact with the peripheral surfaces of the said wheels respectively, whereby the thread of one of said packages will be unwound therefrom at a predetermined linear speed substantially equal to the peripheral speed of the contacting wheel and the thread being fed therefrom will extend to and be wound on the other of said packages at substantially the same rate of linear speed by peripheral contact of the last said package with the peripheral surface of the second of said wheels.

1,982,508
APPARATUS FOR TREATMENT OF THE BODY WITH SPRAYED APPLICATIONS AND THE LIKE
Paul Frank, Scheveningen, Netherlands
Application March 28, 1930, Serial No. 439,807
In Germany February 11, 1930
2 Claims. (Cl. 128—173)



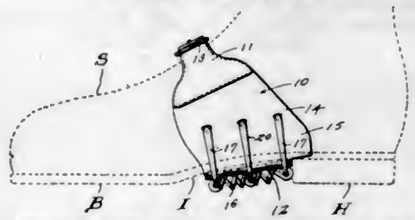
1. An apparatus of the class described comprising a pillar, a threaded spindle journaled in the pillar, a carrier adapted to contain a receptacle for a treatment medium and slidable on the pillar, arms connected with the carrier and having threaded engagement with the spindle, atomizers mounted in the carrier, a motor for rotating the spindle, a switch arm associated with one of said arms and in circuit with the motor, trip devices in the pillar and cooperative with the switch arm to reverse the movement of the motor, as and for the purpose set forth.

1,982,509
APPARATUS FOR APPLYING TREATMENT MEDIA TO THE LIVING BODY
Paul Frank, Scheveningen, Netherlands
Application October 29, 1931, Serial No. 571,912
In Switzerland January 10, 1931
9 Claims. (Cl. 128—1)



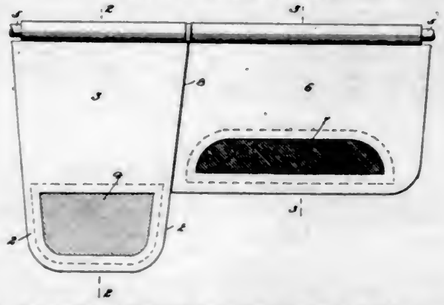
1. Apparatus for applying treatment media to a living body, comprising a carrier, a source of treatment medium wholly supported on said carrier, automatic reversible drive means for said carrier for moving the carrier to and fro to apply the treatment medium to various parts of the body and means connected to said source of treatment medium for supplying energy thereto from a source of power for applying the medium to the body.

1,982,510
WADER PAD
Jefferson D. Frazey, Antonito, Colo.
Application July 1, 1933, Serial No. 678,705
1 Claim. (Cl. 36—62)



A device as set forth, comprising a substantially U-shaped boot adapted to engage about a shoe with the bight thereof beneath the instep of the shoe, strap members carried by the free ends of the bight, a helical anti-slipping member disposed beneath the bight of the boot, and U-shaped securing members extending through the center of portions of the anti-slipping member to secure the anti-slipping member on the bottom of the boot.

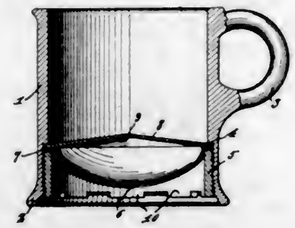
1,982,511
GLARE PROTECTOR FOR AUTOMOBILES AND OTHER VEHICLES
William Geist, Clayton, Mo.
Application October 19, 1933, Serial No. 694,314
6 Claims. (Cl. 296—97)



1. A combined glare protector formed of opaque material having an integral drop or downwardly extended portion at its left hand side thereof, a semi-transparent colored material fixedly secured within the opaque material at its lower extended portion, and a semi-transparent colored material secured within and between the opaque material at the right hand side thereof above said drop portion.

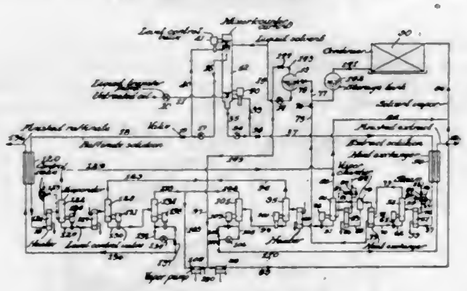
1,982,512
SHAVING MUG
Robert L. Graham, McAlester, Okla., assignor to F. W. Fitch Company, Des Moines, Iowa
Application June 4, 1934, Serial No. 729,010
2 Claims. (Cl. 45—136)

1. A fountain shaving mug comprising a body having an open bottom with an annular recess extending therefrom upwardly into said body, a reservoir closing the bottom and including a flexible body, a flange formed on the periphery of the flexible body and receivable in the recess, a cover for the flexible body and having a dispensing opening arranged therein, said cover having its periphery received between the shoulder and



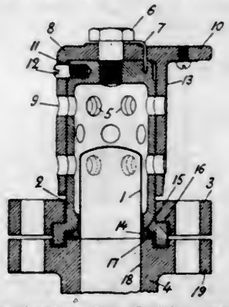
flange, and means received in the recess and engageable with the flange to provide a leak proof connection and for detachably securing the reservoir within the mug body.

1,982,513
PROCESS FOR CONTINUOUS REFINING OF MINERAL OILS WITH LIQUID SO_2 AND THE LIKE
Wolfgang Grote, Berlin-Wilmersdorf, Germany, and Paul Obergfell, New York, N. Y., assignors to Edeleanu Gesellschaft m. b. H., a corporation of Germany
Application April 26, 1933, Serial No. 668,112
In Germany May 4, 1932
16 Claims. (Cl. 196—37)



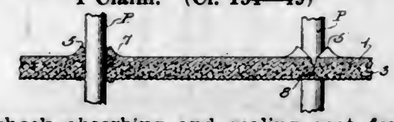
1. An improvement in the method of continuously refining mineral oils with volatile solvents such as liquid-SO_2 and the like, said method including the steps of treating the oil with the solvent, separating out the resulting raffinate-solution and extract-solution and subjecting the same to evaporation for removal of the solvent for reuse; the raffinate solution being evaporated successively in zones operated under condenser-pressure, atmospheric-pressure and under high vacuum, and the extract-solution being evaporated successively in zones operated under high-pressure, condenser-pressure, atmospheric-pressure and under high vacuum; which improvement comprises automatically maintaining the liquid levels constant at predetermined points in the treatment and evaporation zones, automatically maintaining a constant predetermined pressure in the extract high-pressure evaporation zone by controlling the heating of the extract-solution entering said zone by and in response to changes of pressure in said zone, and automatically maintaining a constant predetermined temperature in the respective raffinate and extract condenser-pressure evaporation zones by controlling the heating of the solutions entering said zones by and in response to changes of temperature in said zones.

1,982,514
SAFETY DEVICE FOR COMPRESSED AIR OR OTHER FLUID PRESSURE PIPE SYSTEMS
Paul Hansen, Copenhagen, Denmark
Application December 23, 1932, Serial No. 648,681
In Germany January 2, 1932
4 Claims. (Cl. 251—9)



1. A safety device for fluid pressure pipe systems comprising a disruptable cap adapted to be subjected to the pressure in the pressure fluid pipe, said cap being thin and disruptable under excessive pressure, said disruptable cap being surrounded by a shielding member consisting of two cages one surrounding and being displaceable relatively to the other and each having a set of holes, the two sets of holes being so arranged that by relative displacement of the cages they may be brought out of or into register.

1,982,515
MAT
Adam K. Hodes, Fremont, Ohio
Application November 17, 1933, Serial No. 698,515
1 Claim. (Cl. 154—49)

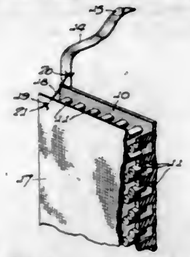


A shock absorbing and sealing mat for vehicles, having a configuration to fit snugly over the floor of the vehicle adjacent the driver's seat thereof and to permit the operating members of the vehicle to extend therethrough, comprising a top layer of semi-rigid rubber, a bottom layer of sponge rubber adherently fixed to said top layer, both layers having straight slits cut therethrough for accommodating the vehicle operating members, that portion of the semi-rigid top layer adjacent the slits thereof normally urging the slitted portion of the sponge rubber bottom layer in snug engagement about the operating members of the vehicle, whereby such operating members may be free to move in said slots and said sponge rubber bottom layer, at all times, forming a seal about the operating members of the vehicle.

1,982,516
SEAT MAT
Francis K. Holmested, Charleston, W. Va., assignor to Frances Keith Crocker, Charleston, W. Va.
Application July 12, 1933, Serial No. 680,125
2 Claims. (Cl. 155—182)

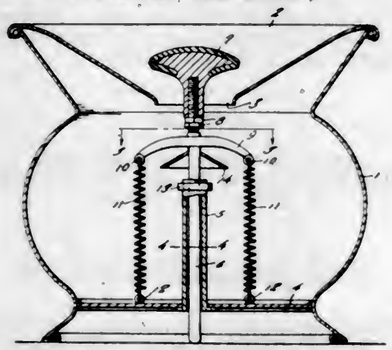
2. An article of the class described comprising a base section having a flexible base, multitudinous attenuated relatively stable, elastic members projecting from one face of said base and spaced apart to allow air to pass substantially

unrestricted through the article in directions parallel to the plane of the base, the ends of said members remote to said base being free of each other and substantially in the same plane, a cover removably disposed against the said ends of said



members, attaching means extending from the base, attaching means extending from the cover and attached to the first mentioned attaching means, one of said attaching means enabling the article to be secured in operative position.

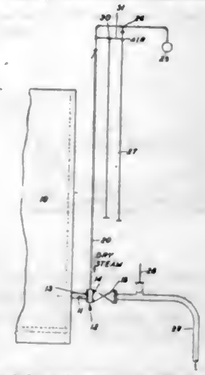
1,982,517
CUSPIDOR
William J. Hooberry, Lafayette, Tenn.
Application June 5, 1934, Serial No. 729,139
3 Claims. (Cl. 4—258)



1. A cuspidor comprising a container including a body, a bottom, and a substantially conical top having a discharge opening therein, a tube rising from the bottom, a stem slidably mounted in the tube and engageable with the surface upon which the cuspidor is mounted, a valve mounted on the upper end of the stem and engageable in the substantially conical top for closing the passage, a cross arm mounted on the stem below the valve, and coil springs connected, at one end, to the cross arm, and at their other ends to the bottom of the container for seating the valve when the stem is disengaged from the supporting surface upon which the cuspidor is resting.

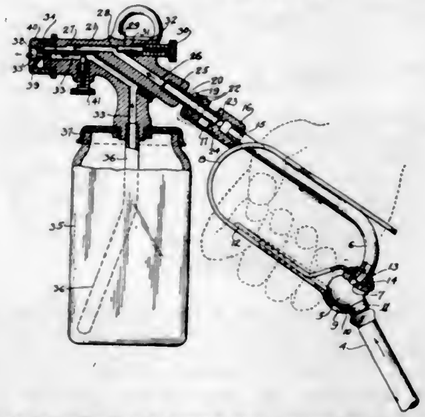
1,982,518
SCALE PREVENTION
Henry Howard, Newport, R. I.
Application February 24, 1933, Serial No. 658,422
3 Claims. (Cl. 29—81)

1. In a pipe line, a heating jet device for use in connection with any solution having soluble solids in solution therein which separate out as the temperature of the solution falls comprising an annular main body portion having flat faces and adapted for ready insertion between and attachment to abutting flanges in a pipe line in which the device is to be inserted, with the bore of the annular body being of a diameter not less than the inside diameter of the pipes with which the body is to be associated and with the thickness of the body being not in excess of the inside diameter of the pipes to which it is attachable whereby said jet device may be introduced into an exist-



ing pipe line without remodelling the pipe line, because the narrowness of the jet device is such that the pipe-line has enough flexibility to be sprung apart to make room for the insertion of the device therein.

1,982,519
ATTACHMENT FOR AIR LINES
Fred I. Jaden and Arthur B. Arnold, Hastings, Nebr.
Application November 17, 1933, Serial No. 698,516
6 Claims. (Cl. 299—88)

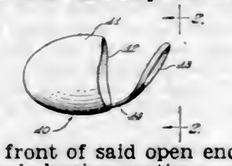


5. A handle for a spray gun comprising a pipe adapted to be connected to a spray gun in communication with an air passageway extending through the gun, a handle including an air tube, and resilient means at opposite ends of said tube adapted to be "snapped" into operative engagement with said pipe and the tire chuck of an air compressor pipe, the resilient means engaging the tire chuck being movable toward said tube to operate the air valve in said chuck.

1,982,520
SANITARY DEVICE
Stanislaw Jakala, Chicago, Ill.
Application June 22, 1932, Serial No. 618,773
1 Claim. (Cl. 128—294)

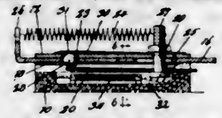
A sanitary device for male use comprising a substantially semi-oval-shaped rigid receptacle provided with a relatively large open end, a member including a pair of arms having angled end portions extending outwardly in opposed direc-

tions with respect to each other and following the curvature of the inner wall of the receptacle and secured thereto, said arms extending exteriorly from the receptacle at its lower end, a ring-like portion formed on the exteriorly extending ends of the arms and disposed at an outward



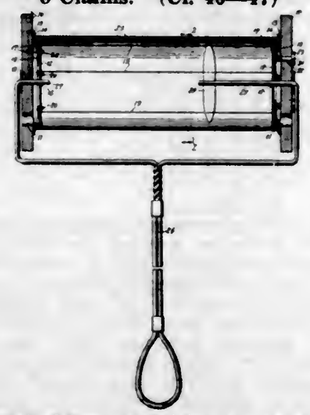
inclination in front of said open end, a member in said receptacle having portions corresponding to the curvature of the latter and attached thereto, and said last-mentioned member including a substantially U-shaped portion the arms of which provide a stop and are spaced from the inner end wall of said receptacle.

1,982,521
THERMALLY ACTUABLE MEANS FOR OPERATING ELECTRIC SWITCHES
David W. Johnson, New Britain, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application August 17, 1932, Serial No. 629,224
6 Claims. (Cl. 200—116)



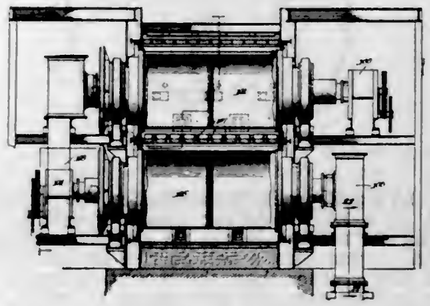
1. A tripping device for electric switches comprising supporting means having guiding surfaces, spring urged means guided by said surfaces and movable in the direction of its length, anti-friction latching means engaging with said supporting means and said spring urged means, and self restoring thermally actuated means for moving said latching means to release said spring urged means.

1,982,522
MUSICAL TOY
Lewis R. Keller, New York, N. Y.
Application July 3, 1934, Serial No. 733,670
8 Claims. (Cl. 46—47)



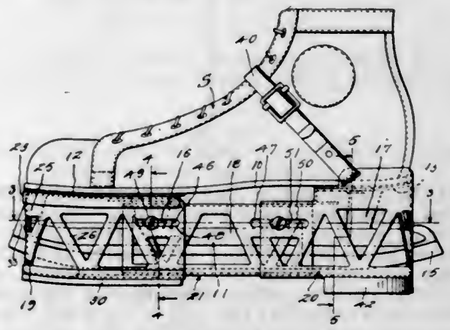
1. A musical toy comprising a rotatable sound-box, musical strings engaged with and extending within said sound-box, means engaged with the strings to tune them, and means within said sound-box to pick the strings as the sound-box is being rotated, to produce musical sounds.

1,982,523
APPARATUS FOR CARBONIZATION AND DISTILLATION OF SOLID HYDROCARBONS
Gustav Komarek, Chicago, Ill., assignor to Berwind Fuel Company of Delaware, Chicago, Ill., a corporation of Delaware
Original application May 12, 1930, Serial No. 451,683. Divided and this application October 3, 1931, Serial No. 566,711
5 Claims. (Cl. 202—136)



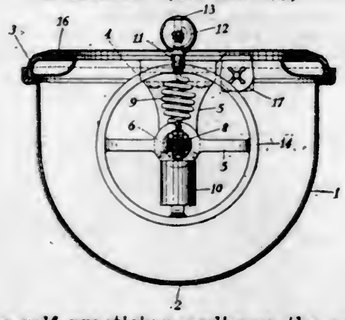
1. An apparatus for the carbonization of coal comprising a horizontally mounted rotary retort through which coal and coke products are moved in one direction, said retort being formed of a plurality of cylindrical sections, the adjoining edges of adjacent sections being provided with inwardly projecting peripheral flanges, said flanges being so arranged that, when joined, a single flange having inwardly tapered side walls will be provided at the adjoining edges of the retort sections, and means to fasten said sections together at said flanges.

1,982,524
OVERSHOE FOR SKATES
Adolf Kutchera, Bismarck, N. Dak.
Application March 23, 1933, Serial No. 662,362
2 Claims. (Cl. 36—7.5)



1. A skate protecting means comprising a frame structure including front and rear members each of said members having a substantially vertically disposed supporting structure, a bottom secured to the supporting structure, a slotted top secured to the top of the supporting structure, the slot in the top of one of the members opening through each end of the top and the slot in the top of the other of the members terminating inwardly of the adjacent end of the member, and attaching means for attaching the device to a shoe, said skate being suspended within the front and rear members intermediate the top and bottom of the members.

1,982,525
GOLF PRACTICING MACHINE
Kate Marion Lawson, Surbiton, England
Application February 12, 1934, Serial No. 710,921
In Great Britain February 15, 1933
5 Claims. (Cl. 273—35)



1. In a golf-practicing appliance, the combination of a helical spring means mounting the spring for rotation about an axis perpendicular to the spring axis, a ball carried by said spring and means other than the mounting means for constraining said ball and spring to rotate substantially in a plane perpendicular to the axis of rotation.

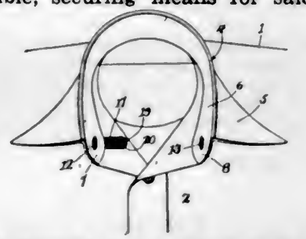
1,982,526
GOLF CLUB
Clifford Lussky and Mortimer W. Brumleve, Louisville, Ky.
Application August 1, 1932, Serial No. 627,190
3 Claims. (Cl. 273—81)



1. In a golf club, a handle comprising two coaxial gripping portions, substantially oval in cross section, each of said gripping portions being reduced at its longitudinal extremities and gradually bulging towards its longitudinal center, said gripping portions being arranged at a transverse angle with respect to the face of the head of said golf club and at a slight angle with respect to one another, to insure the proper relative positions of the hands of a golfer with respect to one another and to the face of the club.

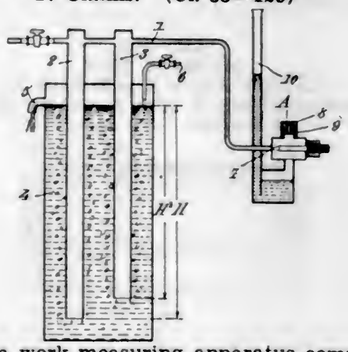
1,982,527
COLLAR ATTACHED SHIRT
Leonard Manekin, Baltimore, Md., assignor to Marlboro Shirt Company, Baltimore, Md., a corporation of Maryland
Application April 25, 1934, Serial No. 722,396
2 Claims. (Cl. 2—141)

1. In a means for coupling the inner and outer apertured tabs of a collar together and to permit of the expansion of the latter, a short resilient vertical strap bent upon itself to form an upstanding front and an upstanding rear part for positioning respectively within the inner tab below the aperture in the latter and against the inner face of said inner tab, said rear part being of a length to extend above the aperture in the inner tab, the bend between said parts opposing a lower edge portion of said inner tab, means for anchoring said outer part and the inner tab together in proximity to said bend, a coupling member adapted to oppose the outer face of said outer tab, flexible, securing means for said member



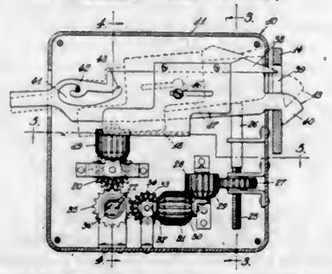
extending through the aperture in said rear tab and anchored to said rear part in proximity to the top edge of the latter, said securing means for extension through the aperture of the outer tab to provide for the positioning of said member to oppose the outer face of the outer tabs to coupling said tabs together, and said rear part on the application of a pulling force to said securing means, when the tabs are connected stretching outwardly to extend through the aperture in the inner tab to provide for the expansion of the collar.

1,982,528
APPARATUS FOR MEASURING DISTANCE
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Société Anonyme de Construction de Matériel Automobile S. A. C. M. A., Raynonard, Paris, France
Application January 25, 1929, Serial No. 334,987
In Belgium November 24, 1928
17 Claims. (Cl. 33—125)



1. In a work measuring apparatus comprising a pressure chamber having an orifice therein open to the atmosphere and a second restricted orifice a source of gaseous pressure, means for measuring the pressure in said chamber and means connecting said second orifice to said source of gaseous pressure, that improvement which consists of means intercalated in said connecting means between said second orifice and said source of gaseous pressure for preserving a constant pressure in said connecting means, said last named means comprising a tank open to the atmosphere and adapted to contain a liquid, and a tube communicating with said connecting means in front of said second orifice and extending below the level of the liquid in said tank.

1,982,529
LATCH MECHANISM
Anthony Michauka, Chicago, Ill.
Application June 27, 1933, Serial No. 677,948
7 Claims. (Cl. 70—29)



1. In a door latching mechanism, the combination of a latch bolt adapted to be slidably mounted on a door and having an end portion arranged for projection into latching engagement with a keeper member arranged on a door casement, a screw member having a portion bearing under said bolt to lift the same out of latching engagement with said keeper member, a gear carried by said screw member, and a gear train for operating said gear to raise said screw member and lift said latch bolt out of latching engagement with said keeper member including a gear having a socket formed therein for the reception of a key to operate said gear train.

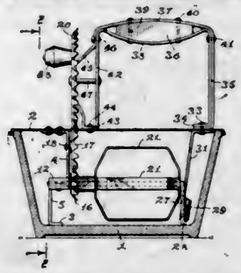
1,982,530
METHOD OF PROJECTING CINEMATOGRAPHIC PICTURES IN NATURAL COLORS
Paŭl Oskar Mikut, Dresden, Germany
Application July 29, 1933, Serial No. 682,863
In Germany February 12, 1931
2 Claims. (Cl. 88—16.4)



1. A method of projecting cinematographic pictures in color which comprise separately and simultaneously projecting the component images of a simultaneously exposed color series in register on a screen, feeding the film a single frame and again projecting the same series of images in the same place as before, feeding the film another step, said projections being made at the rate required of motion pictures and repeating the projecting and feeding steps for each series of color records.

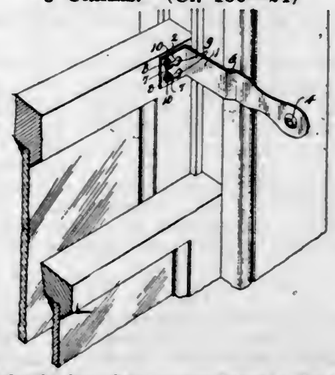
1,982,531
EGGBEATER
Elizabeth F. Nash, New York, N. Y.
Application September 27, 1933, Serial No. 691,200
2 Claims. (Cl. 259—119)

1. An egg beater including a container, a cover adapted to rest on top of said container, a beating element positioned to operate around a horizontal axis when in use and wholly within said container, a bracket at each end of said beating element, each of said brackets being rigidly connected at one end with said cover and at the other end positioned adjacent the bottom of said container, each of said brackets having a pair of curled portions presenting eye journal members, a pair of intermeshing pinions arranged adjacent one of said journal members, said means for journaling said beating elements comprising a pin extending through each of said pinions with the respective ends extending into said curled



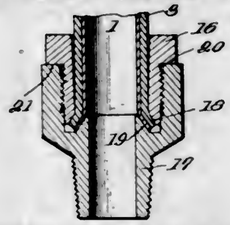
portions of said brackets, one end of each of said beating elements being connected to one of said pinions, and power means extending through said cover from a point above the container, said power means being formed to rotate said pinions when the beater is in use.

1,982,532
SHADE BRACKET
David J. O'Brien and Theodore F. Kotter, Brooklyn, N. Y.
Application April 14, 1934, Serial No. 720,600
3 Claims. (Cl. 156—24)



1. A shade bracket comprising a body and a foot, the foot being formed with a plurality of key-hole slots.

1,982,533
COUPLING FOR RUBBER COVERED TUBES
Arthur L. Parker, Cleveland, Ohio
Application November 14, 1931, Serial No. 575,064
2 Claims. (Cl. 285—86)



1. The combination of a metal inner tube, a rubber covering therefor firmly joined thereto and extending throughout the length of the tube, said tube and rubber covering having the end thereof flared outwardly, a metal coupling member having a tapered seat extending within and bearing on the tapered end of the inner tube, a metal coupling member surrounding the rubber

tube and having a tapered seat adapted to exert a pressure against the outer surface of the flared end of the rubber covering for the metal tube, said coupling members having a threaded connection whereby the flared end of the rubber covered metal tube is clamped between the seats on the coupling members, and means for limiting further movement of the threaded engagement when the flared end of the rubber covered metal tube is firmly clamped.

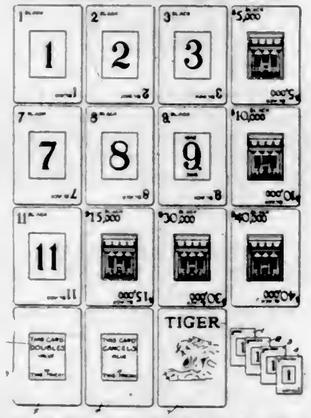
1,982,534

CARD GAME

Grace M. Parker, Peterboro, N. H.

Application May 2, 1934, Serial No. 723,558

8 Claims. (Cl. 273—152)



1. The combination, in a pack of cards each of which constitutes an actual implement of play and together constituting a card game, of two or more groups of such cards, all groups having the same numerical characters, said groups being differently colored one from another, and a "bull" card and a "bear" card, the playing of which respectively increases and diminishes the value of the trick whereon the same is played.

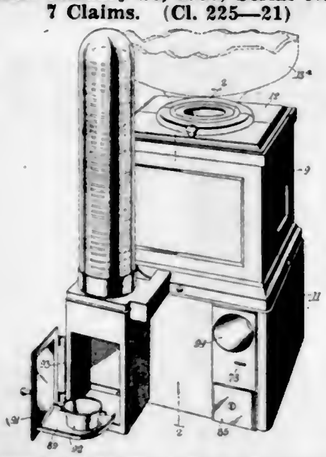
1,982,535

AUTOMATIC LIQUID DISPENSER

John L. Patterson, Richmond, Va., assignor to Richmond Beverage Machine Corporation, Richmond, Va., a corporation of Virginia

Application January 26, 1933, Serial No. 653,699

7 Claims. (Cl. 225—21)



1. A liquid-dispensing apparatus comprising, in combination, a liquid container; a pair of liquid-measuring cells; a discharge nozzle for the liquid; a valve interposed between the container and the cells and between the cells and the nozzle, and serving to connect first one measuring cell with the container and the other with the discharge nozzle, and then to reverse the connections, whereby each cell in turn is caused to fill and the other to discharge; electromagnetic means for actuating said valve; an electric circuit for supplying electric energy to said actuating means, said circuit having a normally open gap with metallic terminals at said gap; and a chute positioned to deliver a coin or token into bridging relation to said metallic terminals, and thereby to complete the circuit of the actuating means.

1,982,536

PRODUCING OLEFINES

Granville A. Perkins, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application January 20, 1932, Serial No. 587,812

6 Claims. (Cl. 260—170)

1. Method of producing olefine hydrocarbons which comprises hydrogenating aliphatic hydrocarbons containing a conjugated double bond in the presence of metallic copper.

1,982,537

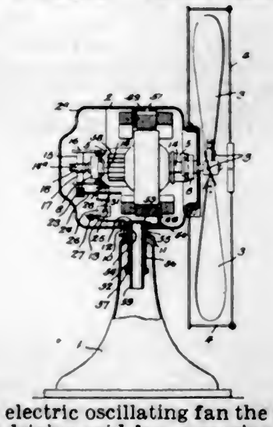
OSCILLATING MOTOR FAN

Werner Räthel, Berlin-Neukolln, Germany, assignor to Reiss & Klemm, Berlin, Germany, a firm of Germany

Application December 12, 1932, Serial No. 646,900

In Germany May 9, 1932

2 Claims. (Cl. 230—256)



1. In an electric oscillating fan the combination of a motor driving said fan, a gearing, a crank, an oscillating arm and a stationary pin, said gearing connecting said crank with the shaft of said motor, said crank being connected with said stationary pin by said oscillating arm, said gearing, said crank and said oscillating arm being completely enclosed in the casing of said motor, said casing being provided with a slot, said stationary pin extending through said slot into the interior of said casing, and said oscillating arm being linked to that part of said stationary pin which extends into the interior of said casing.

1,982,538

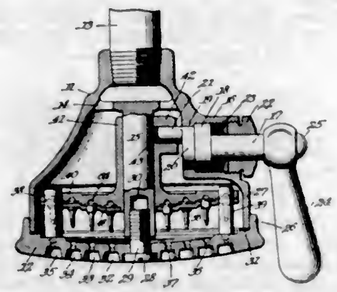
SHOWER HEAD

Emmett M. Reedy, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application June 4, 1932, Serial No. 615,445

18 Claims. (Cl. 299—136)

1. A shower head comprising a shell having a face plate of substantial thickness provided with perforations whose axial lines are substantially convergent at a point remote from the plate and to the rear thereof, the inner ends of said perforations being countersunk, a member within the shell movable toward and away from said face



plate, and pins projecting forwardly from said member and having a limited universal tilting range relative thereto, said pins being adapted to enter the perforations.

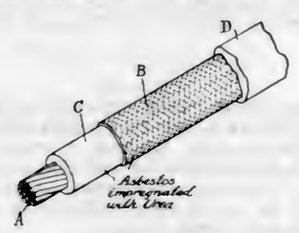
1,982,539

INSULATED ELECTRICAL CONDUCTOR

Beauford H. Reeves, New Haven, Conn., assignor to Rockbestos Products Corporation, New Haven, Conn.

Application July 11, 1931, Serial No. 550,063

4 Claims. (Cl. 173—264)



1. An electrical conductor having an insulating covering containing urea in a condition to produce ammonia gas upon heating.

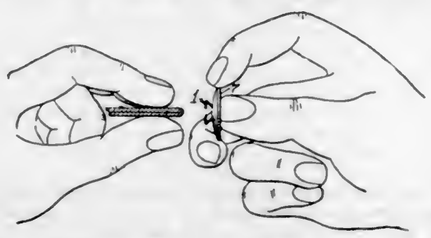
1,982,540

BUTTON FASTENER

Otto C. Reich, Denver, Colo.

Application January 20, 1934, Serial No. 707,599

2 Claims. (Cl. 24—103)



1. A button fastener comprising a pair of staple-like elements to extend through openings of a button and having angularly disposed penetrating portions adapted to enter a piece of fabric and be moved in overlapping relation, and a wrapping wound about said elements between the button and the fabric and secured to retain the penetrating portions in overlapped relation and embedded in the fabric.

1,982,541

COLORING CONCRETE

Edward W. Scripture, Jr., Cleveland Heights, Ohio, assignor to The Master Builders Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 10, 1931, Serial No. 529,312

11 Claims. (Cl. 106—24)

1. Process of integrally coloring a hydraulic cement mix which contains the step of incorporating with the tempering water with which the ingredients are mixed, a naturally colored water-insoluble silicate gel.

1,982,542

TREATED FIBROUS MATERIAL AND PROCESS OF MAKING THE SAME

William R. Seigle, Mamaroneck, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 5, 1932, Serial No. 597,096

5 Claims. (Cl. 91—68)

1. In making an intimate mixture of a fibrous material of the type of asbestos and basic magnesium carbonate, the method which comprises soaking the fibrous material in a concentrated aqueous solution of magnesium bicarbonate, to cause impregnation of the fibers, at a temperature not substantially above 140° F., and then boiling the resulting mixture, to precipitate basic magnesium carbonate within the fibrous material.

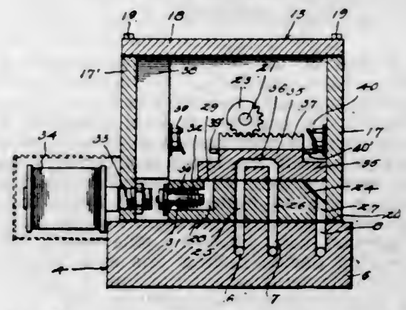
1,982,543

ELECTRIC CONTROL MEANS FOR AIR BRAKES

Edward Shields, El Paso, Tex., and Hugh Shields, Alamogordo, N. Mex.

Application February 11, 1932, Serial No. 592,354

10 Claims. (Cl. 303—15)



1. Air flow controlling means for air brakes, comprising an air chamber, means for introducing air under pressure into the chamber, a slide valve block having three ports, one thereof opening into the chamber, a slide valve on said block having a passageway therethrough formed to connect either of two of said ports with the third port, said third port being designed for connection with an air brake cylinder, and switch controlled electrical means for shifting said slide valve in either of two directions on the block.

1,982,544

METHOD AND APPARATUS FOR ELONGATING METAL ARTICLES

Fritz Singer, Nuremberg, Germany, assignor to Tubus A. G., Zurich, Switzerland

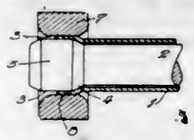
Application October 13, 1932, Serial No. 637,611

In Germany August 22, 1931

14 Claims. (Cl. 205—8)

1. The method of elongating a metal article by reducing its wall thickness, comprising deflecting a relatively short portion of the wall of the article itself away from the axis thereof, then

reducing and drawing out metal of said portion to lengthen it, and repeating the operation with each succeeding portion of the article, said reduc-

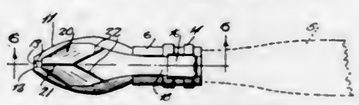


ing and drawing out being performed by forcing a drawing tool over said portions being lengthened in a direction away from the unlengthened portion of the article.

1,982,545
METHOD OF MAKING ETHYLENE GLYCOL
Karl Emil Skärblom, Lidingo, Sweden
Application July 11, 1933, Serial No. 679,976
In Sweden November 11, 1929
8 Claims. (Cl. 260—156.5)

1. Process for making ethylene glycol which comprises bringing into contact ethylene, oxygen, and water in the presence of iodine at a temperature above 50° C. and at a superatmospheric pressure.

1,982,546
LETTERING, DRAWING, WRITING, AND MARKING PEN
Louis M. Snell, Parma Heights, Ohio
Application December 29, 1932, Serial No. 649,412
1 Claim. (Cl. 120—113)



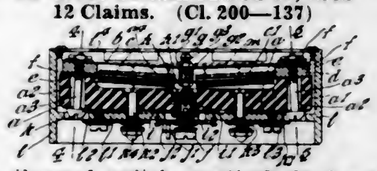
In a pen of the character described, a pen handle, a band secured to the handle, said band being longitudinally split and having return bent portions at the forward ends of the split, a pen point of flexible transparent material having its inner end within the band and engaged by the return bent portions of the band to be retained therein, a second band slidable upon the first named band, said second band having a return-bent portion with inturned side edges, and an ink feeding device having one end slidably received in the return-bent portion of said second band, said feeding device overlying the pen.

1,982,547
ADJUSTABLE CUFF GRIP
Albert W. Sparrow, New York, N. Y.
Application June 5, 1934, Serial No. 729,124
6 Claims. (Cl. 24—102)



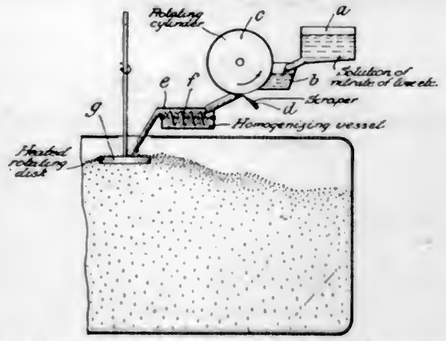
1. An adjustable cuff grip of the character described comprising a pair of heads, arms connected to each head, means for pivotally connecting said arms together, spring means for tending to cause said arms to swing apart, and a pair of clamping arms formed as extensions to the first mentioned arms and positioned to swing together as said heads move apart.

1,982,548
THERMAL SWITCH
Cecil Herbert Stave, Kensington, London, England, assignor to Donlarm Limited, London, England
Application March 30, 1933, Serial No. 663,579
In Great Britain March 30, 1932
12 Claims. (Cl. 200—137)



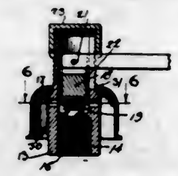
1. A thermal switch, particularly for use in automatic temperature change alarm devices, wherein provision is made for establishing an electric alarm circuit upon either a sudden temperature change of a predetermined amount or a slow continued temperature change, comprising an insulating base, projecting seats at the ends of said base, two thermal elements of the same mass and material, supported at their ends on said projecting seats and bridging said base, insulation lagging on one of said thermal elements, electrical contacts carried by and moving with said thermal elements, and a contact of fixed location, whereby upon a rapid temperature rise differential distortion of the two thermal elements operates to establish an alarm circuit through one pair of contacts and upon a slow temperature rise substantially uniform distortion of the two thermal elements operates to establish an alarm circuit through a second pair of contacts.

1,982,549
PROCESS FOR THE MANUFACTURE OF NITRATE OF LIME IN GLOBULAR FORM
Nicolai Stephansen, Rjukan, Norway, and Carl Eyer, Ludwigshafen-on-the-Rhine, and Georg Meder, Munster-on-Taunus, Germany, assignors to Norsk Hydro-Elektrisk Kvaelstof-Aktieselskab, Oslo, Norway
Application February 16, 1933, Serial No. 657,138
In Germany February 22, 1932
3 Claims. (Cl. 71—9)



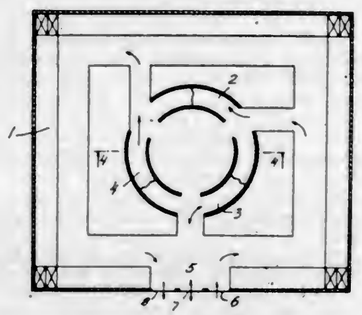
1. A process for treating solutions of nitrate of lime having an addition of nitrate of ammonia and a 15.5 to 16% nitrogen content to prepare the same for further treatment in accordance with the raindrop process for causing the solution to solidify in globular form, comprising first cooling and partially solidifying the concentrated solution on a cooled surface and then conveying the mixture of solid and liquid particles to a heated homogenizing device, transforming the mixture in said device at approximately constant temperature to a uniform broth suitable for being treated in accordance with the raindrop method.

1,982,550
FLUSH VALVE MECHANISM
John L. Skuttle, Mason City, Iowa
Application January 28, 1932, Serial No. 589,498
Renewed April 19, 1934
2 Claims. (Cl. 137—104)



1. Valve mechanism comprising a casing having a valve seat therein, a valve freely movable in the casing for engagement with the seat, said casing being longitudinally slotted, a cap nut threaded on the casing overlying a portion of the slot and a float arm extending through the casing slot and attached to the valve and having fulcrum engagement with an edge of the cap nut for closing the valve on its seat, said cap nut being of polygonal form defining side facets with a notch in the lower edge of each facet to receive the float arm.

1,982,551
BUILDING STRUCTURE
Horace L. Smith, Jr., Richmond, Va.
Application June 12, 1929, Serial No. 370,228
Renewed April 25, 1934
2 Claims. (Cl. 20—1.13)



1. A garage comprising a plurality of superimposed horizontal floors and a ramp structure therefor comprising three entwined spiral passageways, one of said passageways having its surface at the middle third of the width of the ramp depressed below the radial base line of the spiral whereby its contour is adapted for upwardly moving cars, one of said passageways having its surface at the middle third of the width of the ramp raised above the radial base line of the spiral whereby its contour is adapted for downwardly moving cars, and the third passageway having its surface contour intermediate the other two whereby it is adapted for traffic in either direction.

1,982,552
SHIELD FOR NEON TUBES
Le Roy S. Steinbacher and Raymond W. Taylor, Battle Creek, Mich.
Application March 12, 1934, Serial No. 715,232
9 Claims. (Cl. 40—130)

1. A shield for use in connection with electrical display devices utilizing luminous gas, which includes a frame, and a plurality of shield panels



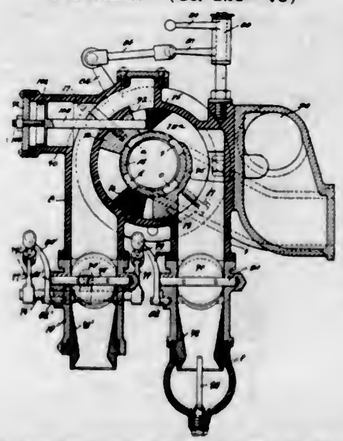
adjustably mounted within the frame for varying the shielding area exposed to said device,

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1,982,553
AZO COMPOUNDS AND THEIR PRODUCTION
Arthur Stoll and August Binkert, Basel, Switzerland, assignors to firm Chemical Works Formerly Sandoz, Basel, Switzerland
No Drawing. Application March 30, 1933, Serial No. 663,660. In Germany April 9, 1932
12 Claims. (Cl. 260—79)

8. Aromatic azo compounds containing as coupling components at least one bile acid amide of a 1,8-aminonaphthol sulphonic acid, which are in dry state colored compounds, easily soluble in water, yielding colored and neutral solutions, which are difficultly soluble in ethanol and insoluble in ether, which when treated with warm mineral acids yield as splitting products free bile acids, which when treated with reduction agents become decolored and which possess bactericidal properties.

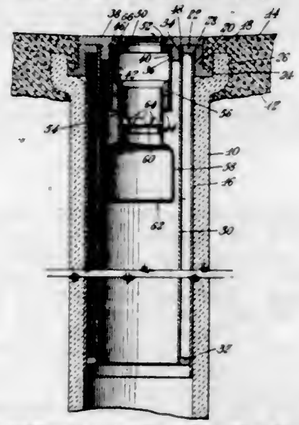
1,982,554
INTERNAL COMBUSTION ENGINE
Julius M. Ulrich, Riverside, Conn., assignor to Palmer Bros. Engines, Inc., Cos Cob, Conn., a corporation of Connecticut
Application April 20, 1932, Serial No. 606,467
13 Claims. (Cl. 123—75)



1. The combination with an internal combustion engine having fuel intake passages of separate air and fuel supply passages, a valve casing between said supply passages and said fuel intake passages, a valve in said casing operative to connect said supply passages individually and col-

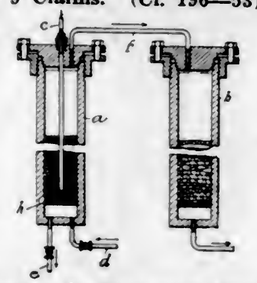
lectively to said intake passages and means in said valve casing for varying the time ratio of the connections of said supply passages individually to said fuel intake passage, the time of opening said air supply port being constant with respect to the engine suction strokes.

1,982,555
PLUMBING FIXTURE
Henry Van Der Horst, Chicago, Ill.
Application March 5, 1934, Serial No. 714,154
11 Claims. (Cl. 182—31)



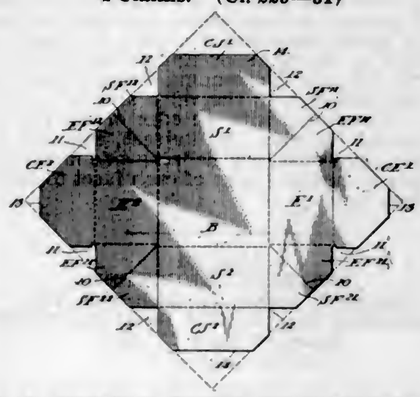
1. The combination with a floor having a drain pipe associated therewith, of a telescopic floor drain positioned within the drain pipe and normally occupying a position below the floor line, and float operated means associated with the floor drain constructed and arranged to lift part of the floor drain above the floor level when backwater in the drain pipe rises above a predetermined level, said float operated means including means establishing a closure for the floor drain, to prevent backwater from flooding the floor.

1,982,556
PROCESS OF CATALYTIC TREATMENT OF CARBONACEOUS BODIES
Ludwig von Szeszich, Constance, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
Application October 15, 1930, Serial No. 488,982
In Germany October 22, 1929
9 Claims. (Cl. 196—53)



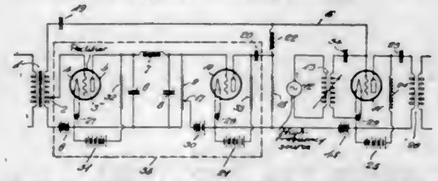
1. In a process for improving liquid carbonaceous substances by destructive catalytic hydrogenation, the step which consists in subjecting said starting materials to a preliminary treatment under such conditions and for such a time that hydrogenation does not occur, said treatment being effected at a pressure of 100 to 250 atmospheres by passing said carbonaceous substances in the presence of hydrogen through separation zones charged with inert non-catalytic filling bodies having smooth surfaces at temperatures between 375° C. and 475° C. during which separation of the ash and asphalt content of the carbonaceous materials occurs, and subsequently subjecting the purified materials to catalytic hydrogenation.

1,982,557
CONTAINER
Edgar Watson, Towson, Md., assignor, by mesne assignments, to The Nelson Corporation, Baltimore, Md., a corporation of Maryland
Application January 19, 1932, Serial No. 587,546
Renewed March 27, 1934
4 Claims. (Cl. 229—31)



1. A container formed from an originally square blank and comprising integral bottom, vertical side and end walls, side and end cover flaps, and pairs of corner flaps integrally joined to adjacent side and end walls, said corner flaps in each pair being joined along a folding line, each pair of corner flaps being located against and secured to the inside of a side wall of the container whereby to form a container body which is entirely closed along its bottom and vertical edges, all said pairs being parallel and having top edges at the level of the joint between the end walls and the end cover flaps whereby the pairs of corner flaps provide supports for said end cover flaps in a single plane, said side cover flaps in the closed container overlying and being secured to said end cover flaps and closing the container.

1,982,558
AUTOMATIC HIGH FREQUENCY CARRIER CONTROL
Stewart C. Whitman, Jackson Heights, N. Y.
Application May 3, 1932, Serial No. 608,997
6 Claims. (Cl. 179—171)

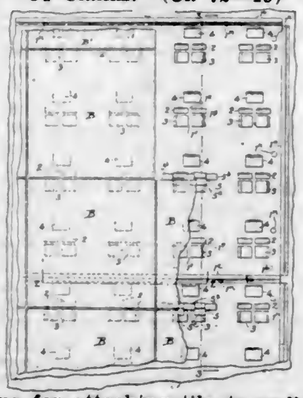


1. In a system for controlling carrier frequency current amplitude in accordance with the amplitude of modulating signal current, a source of signal current, a source of carrier frequency current, a modulator tube having its input connected to said source of carrier frequency current, an input transformer having its primary connected to said source of signal current, a time-delay condenser connected between one terminal of the secondary of said input transformer and the grid of said modulator tube, the other terminal of the secondary of said input transformer being connected to the filament of said modulator tube, an intermediate tap on the secondary winding of said input transformer, a rectifier tube having its grid connected to said intermediate tap on said secondary winding, the filament of said rectifier tube being connected to one terminal of the secondary of said input transformer, and a circuit comprising a series condenser connected between the output of said rectifier tube and the input of said modulator tube.

1,982,559
PROCESS FOR THE MANUFACTURE OF ACETIC ACID FROM ACETALDEHYDE
Karl Wiesler, Constance, Germany, assignor, by mesne assignments, to the firm of Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany
No Drawing. Application January 27, 1930, Serial No. 423,900. In Germany February 26, 1929
12 Claims. (Cl. 260—116)

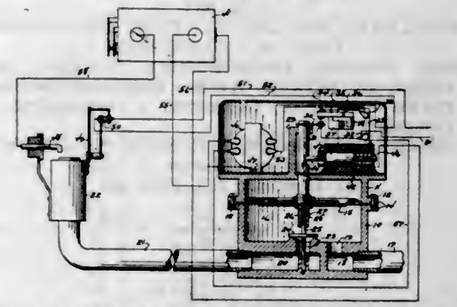
1. In a process for the continuous production of acetic acid by oxidation of acetaldehyde in the liquid phase with oxygen, the step which consists in continuously introducing at the same time acetaldehyde in the liquid phase and a considerable excess of oxygen into the reaction vessel at temperatures between 55° and 80° C. so that there is continuously present more oxygen than is required for oxidation of all the acetaldehyde, while causing intimate contact between the acetaldehyde and the oxygen said oxygen being present in such an excess amount that the waste gases evolved in the reaction contain free oxygen.

1,982,560
MEANS FOR ATTACHING TILE OR BLOCKS TO WALLS
Harold S. Williams, Oak Park, Ill., assignor to Rostone, Incorporated, La Fayette, Ind., a corporation of Indiana
Application March 31, 1934, Serial No. 718,494
14 Claims. (Cl. 72—19)



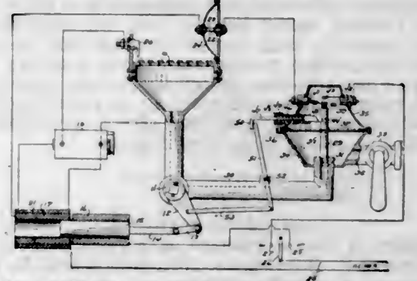
1. Means for attaching tile to walls; including a backing sheet having groups of spaced projecting tongues arranged in relation to tile dimension, and clips respectively detachably engageable with a group of said tongues and having members adapted to detachably engage the tile to secure them to the sheet.

1,982,561
AUTOMATIC CONTROL FOR GAS BURNERS
James Bernard Williams, Minden, La.
Application February 19, 1934, Serial No. 712,070
10 Claims. (Cl. 175—115)



1. An appliance of the kind indicated comprising, in combination with a gas burner, a control member for the same embodying a gas pressure chamber, a valve controlling communication between the pressure chamber and the burner, ignition apparatus for igniting the burner, and a member responsive to the pressure in the pressure chamber and successively controlling the operation of the ignition apparatus and the unseating of the valve.

1,982,562
REMOTE CONTROL AND SAFETY APPLIANCE FOR GAS BURNERS
James Bernard Williams, Minden, La.
Application June 20, 1933, Serial No. 676,745
9 Claims. (Cl. 175—115)



1. An appliance of the kind indicated comprising in combination with a gas burner, a shut-off valve interposed between the burner and the source of gas supply and normally impelled to closed position but gas pressure actuated to open position, ignition apparatus having an electrode disposed in close proximity to the jets of the burner, a latch retaining the valve in closed position, an electromagnet operatively connected with the latch to effect release of the same, and an ignition circuit including the electrode, the burner and the electromagnet to provide interdependence between the energization of the electrode and the release of said latch.

1,982,563
METHOD OF PLATING IRON WITH ALUMINIUM AND PRODUCT THEREOF
Anton Wimmer, Dortmund, Germany
No Drawing. Application March 30, 1933, Serial No. 663,655. In Germany December 23, 1929
2 Claims. (Cl. 29—189)

1. The method of plating iron with aluminium, which consists in applying to iron, aluminium containing from .2 to 15% of silicon but substan-

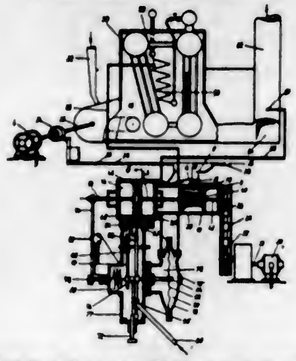
tially pure otherwise, whereby the resulting plated iron can be heated to a temperature at which it becomes soft, without the formation of spots.

1,982,564

APPARATUS FOR REGULATING THE OPERATION OF CONVEYERS

Guido Wünsch, Berlin-Steglitz, Germany, assignor to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany, a corporation of Germany

Application March 4, 1931, Serial No. 520,104
In Germany March 7, 1930
17 Claims. (Cl. 110—40)



1. Apparatus for regulating or governing the operation of conveyers, more particularly of fuel feeding means for furnaces comprising, in combination, fuel feeding means; driving means therefor; controlling means to render said driving means operative and inoperative to drive said fuel feeding means and to vary the duration of the operative and inoperative periods thereof, said controlling means comprising a rotary and axially movable cam member, the cam surface of said cam member comprising a raised portion which when said cam surface is developed is limited by a line of parabolic shape

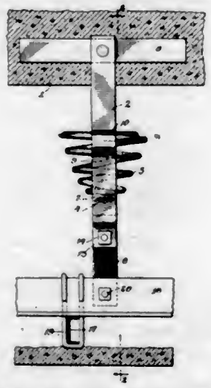
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1,982,565

CEILING HANGER

William D. Barge, Pelham, N. Y., assignor to The George S. Holmes Co. Inc., New York, N. Y., a corporation of New York

Application February 16, 1934, Serial No. 711,608
3 Claims. (Cl. 72—118)



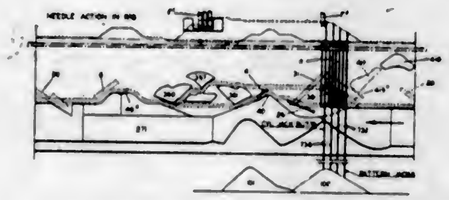
1. A ceiling hanger comprising a coil compression spring, a bail or yoke comprising metal straps connected at their upper ends at diametrically opposite points to the uppermost coil of said spring, the lower ends of said straps extending below the spring and towards each other and provided with means to connect the ends of said straps to each other and a suspension member connected thereto.

1,982,566

TWO-FEED CIRCULAR KNITTING MACHINE

Alexander G. Belford, Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts

Application July 11, 1933, Serial No. 679,946
11 Claims. (Cl. 66—42)



3. In a circular knitting machine having independent needles, two needle cams having conflicting operating positions, in combination with means to shift said cams into and out of their operative positions.

1,982,567

CAPSULE FOR STOPPING BOTTLES AND THE LIKE

Robert Blanchard, London County, England

Application November 18, 1931, Serial No. 575,918
In France March 2, 1931
5 Claims. (Cl. 215—46)



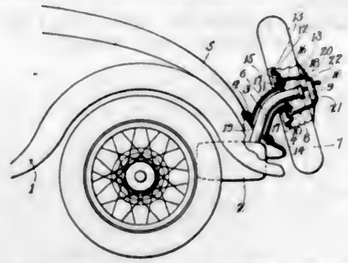
1. The combination of a bottle or the like having screw threads on the neck thereof adjacent the mouth, a relatively smooth annular portion below said screw threads, and a portion therebelow having an anchoring and fraud preventing projection thereon, of a closure for said bottle comprising a capsule having an upper screw thread cap portion engaging and conforming to said bottle neck screw threads and being of sufficient thickness to retain its shape after removal, an intermediate weakened tearable portion engaging and conforming to said relatively smooth portion of said bottle neck, and a skirt portion of less thickness than said cap portion whereby it is capable of taking fine embossing, said skirt portion engaging and conforming to the said lower portion of said bottle neck having said anchoring and fraud preventing projection, said capsule comprising a single, integral, cup-like member of soft, plastic metal, having an originally substantially straight sided surface of revolution afterwards conformed to all of said portions of said bottle neck by relatively weak pressure in a capsuling machine without relative rotation of said cap and bottle, whereby upon rupture of said tearable portion, said skirt portion remains in engagement with said anchoring and fraud preventing projection and displays a ruptured edge, and said screw cap portion may be removed and replaced as a temporary closure.

1,982,568

PROTECTED FILLING DEVICE

Elvis M. Boss, Brownstown, Ind.

Application November 1, 1933, Serial No. 696,270
4 Claims. (Cl. 224—29)



1. In combination, a tubular supporting bracket, a spare wheel hub removably connected to the outer end of the bracket, a lock cap for the hub, and a fuel conducting or filling pipe for a fuel tank, said pipe extending through said bracket and into the said hub, and having its intake end positioned in the latter, said bracket and hub constituting a protecting and enclosing means for said pipe, and said cap preventing the surreptitious removal of the wheel and surreptitious access to the intake end of said pipe.

1,982,569

PROTECTIVE DEVICE FOR POLES

Arther J. Byrd, Bessemer, Ala.

Application April 5, 1933, Serial No. 664,627
1 Claim. (Cl. 189—32)



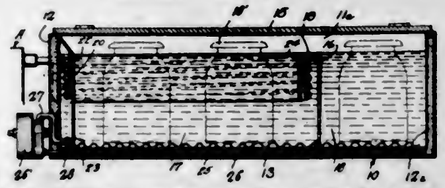
A protective device for poles comprising a tubular metallic sleeve having its major portion embedded in the ground with one end thereof projecting a limited distance above the surface of the ground to receive a pole with the latter spaced from the walls thereof, an internal flange formed integral with the sleeve and located closer to the exposed end of the sleeve than the unexposed end of the sleeve, a plate supported by the flange and providing a rest for the pole, a second sleeve surrounding the pole and extending into the first sleeve and engaging the pole, said second sleeve composed of separable sections extending the full length thereof, means detachably and adjustably connecting the sections above the surface of the ground to cause said sections to tightly grip the pole, and a downwardly extending flange formed integrally with and arranged exteriorly of the second sleeve and receiving the exposed end of the first sleeve.

1,982,570

COOLING DEVICE

Harry E. Cann, West Chester, Pa.

Application December 30, 1932, Serial No. 649,626
7 Claims. (Cl. 257—204)



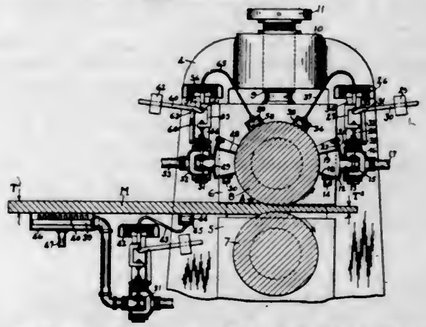
4. A cooling device including a tank, a partition extending upward from the bottom of the tank and dividing the same into two compartments of unequal capacity each being adapted to receive a given number of cans of a given size to be cooled, a cooling liquid in the larger compartment extending to the top of the partition whereby the same may overflow said partition into the smaller compartment upon introduction of cans into the larger compartment, the capacity of the smaller compartment being such as will cause the cooling liquid therein to rise to substantially the height of that in the larger compartment when the said given number of cans are placed in each compartment, means in the larger compartment for cooling the liquid therein, and means for circulating the liquid from the smaller compartment to the larger compartment.

1,982,571

METHOD OF AND APPARATUS FOR ROLLING METAL

Walter R. Clark, Bridgeport, Conn.

Application February 2, 1928, Serial No. 251,430
47 Claims. (Cl. 80—41)



1. In a rolling mill for metal, the combination of a pair of rotatable rolls between which the metal passes, and means for controlling the size of the pass between the rolls to produce uniform gauges in the metal, comprising means associated with at least one of said rolls adapted to transfer heat thereto when the temperature of the roll drops below a predetermined normal temperature, and a thermo-sensitive element associated with the roll surface and subjected to the temperature changes in the latter, said thermo-sensitive element controlling the flow of heat to said roll through said heat transferring means.

1,982,572

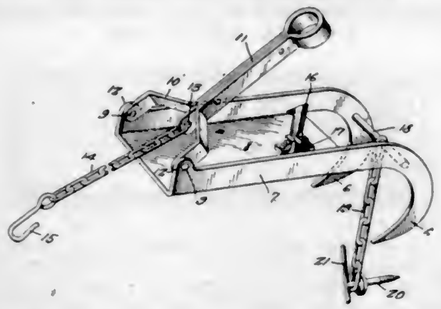
LADDER SNUBBER

Edward G. Colglazier, Wayne E. Ball, and Luther P. Willis, Pueblo, Colo.

Application May 1, 1934, Serial No. 723,390
3 Claims. (Cl. 228—60)

1. A device of the character described comprising a body having double bills at one end

thereof, a lever pivotally supported on the body, a chain connected with the lever, a hook at the



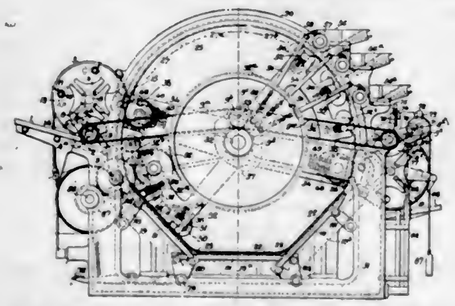
free end of the chain, and latching means carried by the body for engaging said lever.

1,982,573
FISHING TACKLE
Martin John Coyne, East Syracuse, N. Y.
Application December 12, 1933, Serial No. 702,072
2 Claims. (Cl. 43—49)



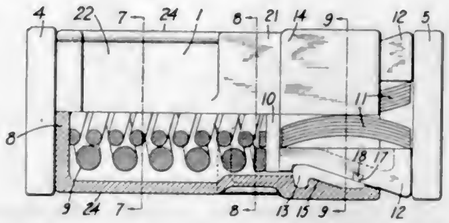
1. A fishing device of the class described comprising a line including a sinker, a bob having a tubular stem passing therethrough and through which the line freely passes, said sinker engaging the lower end of the stem when the line is pulled from the water, a stop on the line above the bob for engaging the upper end of the stem for limiting downward movement of the line, said stem having its upper portion passing through a side part of the bob below the upper end thereof with the upper end of the stem spaced an appreciable distance from that part of the bob through which the upper portion passes.

1,982,574
MULTICOLOR PRINTING PRESS
Paul F. Cox, Chicago, Ill.
Application January 16, 1934, Serial No. 706,876
25 Claims. (Cl. 101—186)



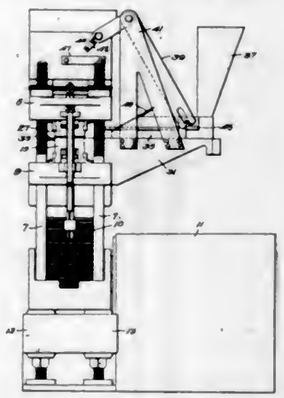
1. A printing press having a type bed, and a plurality of orbitally moving impression cylinders cooperating with the type bed.

1,982,575
CUSHIONING MECHANISM
Donald C. Davis, Depew, and Leverett M. Clark, Buffalo, N. Y., assignors to The Gould Coupler Company, New York, N. Y., a corporation of Maryland
Application October 29, 1927, Serial No. 229,641
4 Claims. (Cl. 213—22)



1. Cushioning mechanism adapted for use with railway draft rigging comprising a plurality of engaging relatively movable friction elements, at least one of said elements having a groove in its engaged surface and lead filling said groove substantially flush with said surface, to provide a reservoir for distribution of lead over said engaged surfaces by the operation of the rigging.

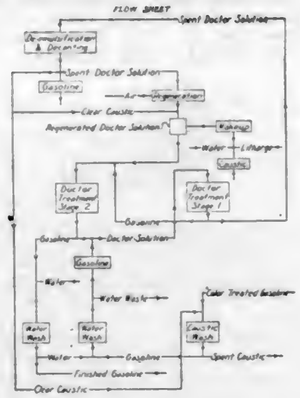
1,982,576
MOLDING PRESS
Jasper Derry, Medford, Mass., assignor to Andrew Terkelsen, Newton, Mass.
Application December 12, 1931, Serial No. 580,563
4 Claims. (Cl. 18—17)



1. In a press for hot synthetic molding, in combination with the die having a plurality of relatively isolated mold cavities therein, a feed box having a permanently open bottom opposing said cavities collectively and of a capacity to contain a volume of powder sufficient for repeated charges of said cavities, a table lateral to the die, means for preheating the table, and means to move said box from and to the table over and from said die.

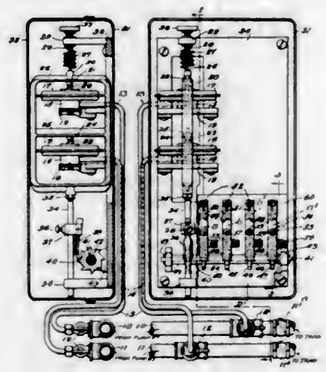
1,982,577
RECLAIMING SPENT DOCTOR SOLUTIONS
Robert A. Dunham, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 24, 1928, Serial No. 328,259
8 Claims. (Cl. 23—51)

1. A method for regenerating spent doctor solution containing lead sulfide which comprises heating the lead sulfide and contacting the said lead sulfide with an oxidizing gas under superatmospheric pressure and at a temperature below the



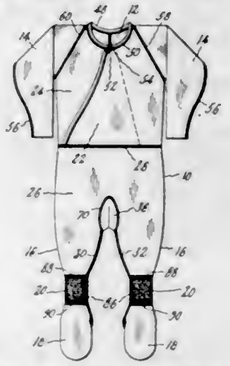
boiling point of the solution at such superatmospheric pressure.

1,982,578
AUTOMATIC CONTROL MECHANISM FOR ELECTRIC MOTORS
Augustus C. Durdin, Jr., Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1933, Serial No. 651,672
7 Claims. (Cl. 103—11)



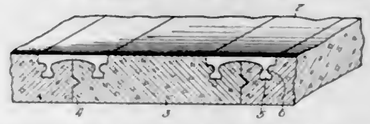
1. In combination, a plurality of electric motor driven pumps, in each of which the pressure, which is set up when the pump is in operation, presently returns to normal when the pumping action ceases, a circuit for the motor of each pump, a pilot switch for controlling said circuits, said pilot switch being responsive to changes of conditions which take place in a system in which the control mechanism is used, and a pressure operated circuit transferring switch for transferring the circuits controlled by the pilot switch from either motor to the other, said circuit transferring switch having a plurality of independently operating pressure actuated elements, each independently connected with an associated pump and being responsive solely to pressure variations that take place at the pump, the pilot switch and circuit transferring switch being in series in each aforesaid circuit.

1,982,579
SLEEPING GARMENT
George F. Earnshaw, Newton, Mass., assignor to Earnshaw Knitting Company, Newton, Mass., a corporation of Massachusetts
Application October 31, 1933, Serial No. 695,976
3 Claims. (Cl. 2—83)



1. A garment of the character described comprising a body portion of knitted textile fabric provided with leg portions terminating in sock portions, said leg portions each having an ankle portion of tubular form made of knitted fabric containing a series of spaced parallel annular strands of composite rubber yarn adapted to cause said ankle portion to fit the ankle of the wearer under a light tension sufficient to prevent the foot from being withdrawn from the sock portion but not sufficient to cause the wearer any discomfort.

1,982,580
CONSTRUCTIONAL MATERIAL AND PAVING STRUCTURE
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application July 9, 1928, Serial No. 291,325
7 Claims. (Cl. 94—18)

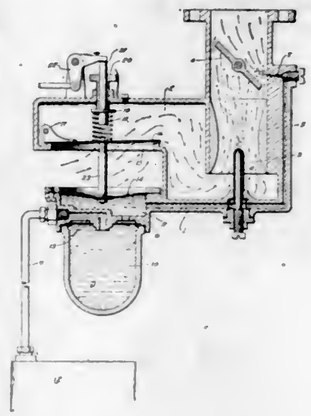


1. A paving structure, comprising a monolithic layer of plastic material poured in place, seams formed along predetermined lines for dividing the layer into sections and weakening the juncture between said sections, preformed sealing composition strips providing a waterproof covering over the seams, and a colored layer on the exposed faces to contrast with the plastic layer.

1,982,581
CARBURETOR
Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application January 20, 1930, Serial No. 422,093
11 Claims. (Cl. 261—34)

1. A carburetor comprising an atomizing chamber, a co-operating fuel nozzle associated therewith, a fuel passage leading to the nozzle and having a flexible wall displaced by and in response to pressure variations in the passage, an air chamber communicating with the atomizing chamber and having a port opening to the atmosphere in opposition to the flexible wall of

the fuel chamber, a valve controlling the air flow through said air port, and motion transmitting means connecting the air valve to the flexible



wall whereby the opening movement of the valve is resisted and controlled by an outward flexing of the wall.

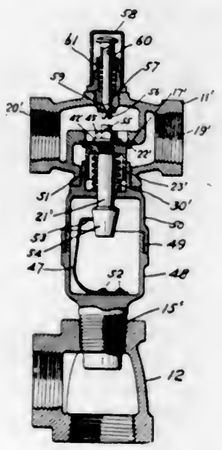
1,982,582

COLD WATER INLET CONTROL VALVE

Luther D. Lovekin, Villanova, Pa., assignor to Kitson Company, Philadelphia, Pa., a corporation of West Virginia

Application October 26, 1932, Serial No. 639,551

6 Claims. (Cl. 137—161)



3. An emergency fuel shut-off valve including a conduit having inlet and outlet compartments, a wall between the compartments having an opening connecting the compartments, a valve adapted to close the opening and pressed toward its position of closure, a valve stem, a second conduit for fluid, a chamber surrounding said stem fastened laterally to one of the compartments of said first mentioned conduit and presenting a heat conducting terminal for connection to said second conduit for fluid, and a thermostatic element mounted in the chamber adapted to normally latch the valve open and releasing the valve if the temperature within the chamber rises abnormally.

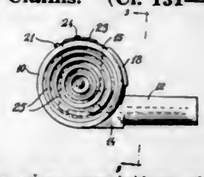
1,982,583

SMOKING PIPE

Timothy B. Powers, St. George, N. Y., assignor to Powers Smoking Pipes Corporation, New York, N. Y., a corporation of New York

Application May 31, 1934, Serial No. 728,337

10 Claims. (Cl. 131—12)



9. A tobacco pipe consisting of a single block of suitable material arranged with a bowl portion of cylindrical shape having a chamber extending diametrically thereof the mouth of which chamber opens through the peripheral wall of the bowl with a stem extended from a point at the bottom of the bowl substantially diametrically opposite the mouth of the bowl chamber and midway between the sides of the bowl, said stem having a flat bottom face under the bowl extending tangential to the peripheral wall of the bowl adapted to prevent the pipe tipping over when set upon a horizontal surface, and said stem having a suction passage communicating with the bottom of the bowl chamber.

1,982,584

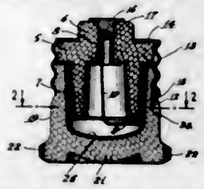
FUSE PLUG

George R. Trumbull, Torrington, Conn., assignor to The Bulls-Eye Electric Manufacturing Company, Torrington, Conn., a corporation of Connecticut

Application December 4, 1930, Serial No. 499,945

Renewed October 12, 1933

11 Claims. (Cl. 200—130)



1. A fuse plug comprising a body having a recess, a top having a wall surrounding the recessed part of the body and having a transparent portion in line with the recess, a transparent water-containing coating within the top, a center contact on the body, a screw shell contact uniting the body and top and a fuse strip having one end connected to the center contact and the other end connected to the screw shell.

1,982,585

MINING DRILL

Frederick W. Vodoz, Wilmette, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 6, 1930, Serial No. 486,581

6 Claims. (Cl. 255—69)



5. In a mining drill, a tapered shank, a bit detachably connectible therewith including a stock having a plurality of cutting edges extending forwardly therefrom and an integral tapered socket formed by expansion of said stock and including an integral strip extending from each side of said stock and adapted to receive the shank of said mining drill, and means for driving said bit from said shank comprising a slot on the forward end of said shank adapted to engage a portion of said bit.

1,982,586

CHROME TANNING PROCESS

Frederick A. Vogel, Milton Ernest, England; Jessie M. Vogel, executrix of the estate of said Frederick A. Vogel, deceased, assignor, by mesne assignments, to Edwin B. H. Tower, Jr., Milwaukee, Wis.

No Drawing. Application March 5, 1927, Serial No. 173,217

10 Claims. (Cl. 149—4)

1. The chrome tanning process herein set forth in which the hide after having its flesh and hair removed is tanned into leather by subjecting it to pretanning in a mixture of aldehyde, acid, and salt until conversion thereof into leather commences and then to final tanning in chrome tanning liquor until it is converted into chrome tanned leather.

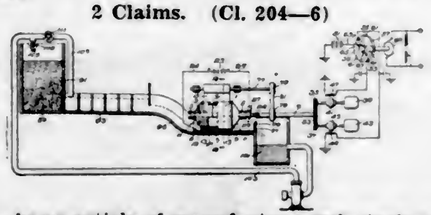
1,982,587

ELECTROLYTIC FOIL

Richard A. Wilkins, Beverly, Mass., assignor to Industrial Development Corporation, Salem, Mass., a corporation of Maine

Original application January 12, 1929, Serial No. 332,108. Divided and this application May 2, 1929, Serial No. 359,773. Renewed August 24, 1932

2 Claims. (Cl. 204—6)



1. As an article of manufacture, web stock consisting of indefinitely long continuous lengths of electro-deposited metal foil as such from 0.0002 to 0.001 inches in thickness and having a multitude of minute perforations in the order of 0.00005 inches in diameter.

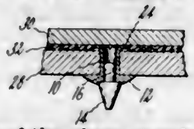
1,982,588

SPIKE FOR SPORT SHOES

Paul W. Bartel, Waltham, Mass., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass., a corporation of Massachusetts

Application May 8, 1933, Serial No. 669,913

3 Claims. (Cl. 36—59)



1. A device of the character described comprising a tubular member having an annular flanged head provided with a countersink and a cone-shaped spike member mounted in said countersink and having a shank frictionally engaged in said tubular member, said tubular member being of relatively soft material permitting its tail end to be clinched upon the inner face of a sole and said spike member being of hardened wear-resisting material.

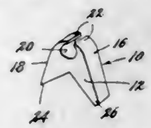
1,982,589

FINGER SUPPORT FOR MANICURISTS

Kenneth H. Bergstrom, Lawrence, Mass., assignor to Tyer Rubber Company, Andover, Mass., a corporation of Massachusetts

Application August 9, 1934, Serial No. 739,074

6 Claims. (Cl. 132—73)



1. In a device of the character described, a body of resilient material having a bifurcated base and a top provided with a bore adjacent to and opening out said top longitudinally said bore to form a pair of jaws for gripping the sides of a finger inserted in the bore.

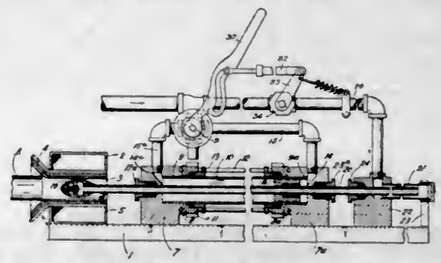
1,982,590

PIPE AND TUBE BLOWER

George T. Church and Thomas B. Boyd, Butler, Pa., assignors to The Fretz-Moon Tube Company, Inc., Butler, Pa., a corporation of Pennsylvania

Application December 17, 1932, Serial No. 647,758

9 Claims. (Cl. 91—44)



7. In a machine for treating the interior surface of pipes or tubes, a guide member adapted to receive one end of a tube to be treated, means for positively maintaining said tube end and said guide member in abutting relationship, a nozzle member, means for propelling said nozzle member within said tube and means for simultaneously admitting steam to said nozzle propelling means and to said nozzle member.

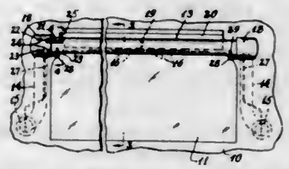
1,982,591

WINDSHIELD AND WINDOW VENTILATOR

Bernard P. Davis, Brooklyn, N. Y.

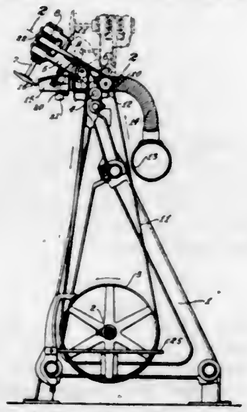
Application April 14, 1933, Serial No. 666,113

6 Claims. (Cl. 98—2)



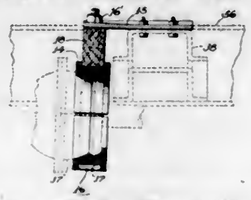
1. In combination with the body of a motor vehicle, a window pane, a tube supported above and extending the entire length of the pane and connected at its ends with passages extending through said body and terminating in the front of the vehicle for the entrance of air during travel, and said tube being provided with a plurality of openings to direct the air against the inner surface of said pane.

1,982,592
SHOE FINISHING MACHINE
Stevenson A. Dobyne, St. Louis, Mo., assignor to Champion Shoe Machinery Company, St. Louis, Mo., a corporation of Missouri
Application September 21, 1931, Serial No. 563,910
5 Claims. (Cl. 51—273)



1. A device of the kind described comprising, a finisher movable into operative and inoperative positions, a suction tube adjacent said finisher and movable therewith through a substantial angle with the horizontal, a control valve in said tube, a weighted member associated with said valve and adapted to move under the influence of gravity to actuate the valve as the tube is moved through said angle.

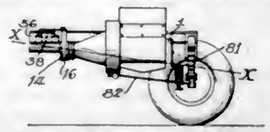
1,982,593
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.
Original application November 25, 1929, Serial No. 409,572 (abandoned). Divided and this application March 26, 1932, Serial No. 599,249
8 Claims. (Cl. 248—14.2)



1. In a motor vehicle, the combination with a frame, and an engine unit having a universal joint housing at an end thereof, of a cushioning member embracing said housing and constructed to fit the contacting surface thereof for supporting the end portion of the engine unit through the housing, and means carried by the frame for supporting the cushioning member.

1,982,594
ENGINE MOUNTING FOR AUTOMOTIVE VEHICLES
Rolland S. Trott, Denver, Colo.
Continuance of original application November 25, 1929, Serial No. 409,572. This application November 10, 1932, Serial No. 642,042
41 Claims. (Cl. 180—64)

36. The combination in a motor vehicle, of an engine unit, a front and a rear resilient mounting structure supported on the vehicle and forming supporting means for the engine unit, whereby the engine unit may have torque cushioning oscillation about a longitudinal axis, the rear mounting structure being non-metallic and arranged approximately on a transversely extending arc with the geometrical center of said arc approximately at the axis of the engine unit

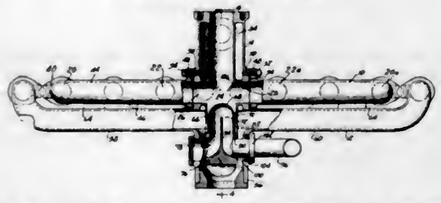


crankshaft, said rear mounting structure being constructed and arranged to yieldingly oppose the torque cushioning oscillation of the engine unit on the mounting structures due to the influence incident to the operation of the engine unit.

1,982,595
METHOD OF MAKING MARINE PLANT PRODUCT
Philip R. Park, Buffalo, N. Y., assignor to Philip R. Park, Inc., San Pedro, Calif.
No Drawing. Application February 27, 1932, Serial No. 595,658
3 Claims. (Cl. 99—5)

1. In the processing of marine plants to produce dry or commercially available food forms, those steps consisting in reducing the plant structure to a macerated pulp having a substantially uniform distribution of fibre and plant cell structure, in drying the pulp during agitation at high temperatures to produce disruptive cooking of the combined fibre and cell structure and to seal the salts within the particles thereof.

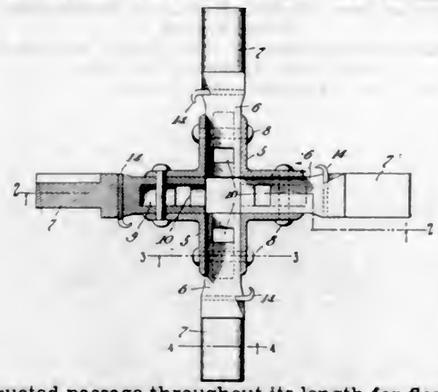
1,982,596
MULTIPLE PORT CHARGE FORMING AND DISTRIBUTING MANIFOLD
Arlington Moore, New York, N. Y.
Application April 23, 1931, Serial No. 532,151
7 Claims. (Cl. 123—52)



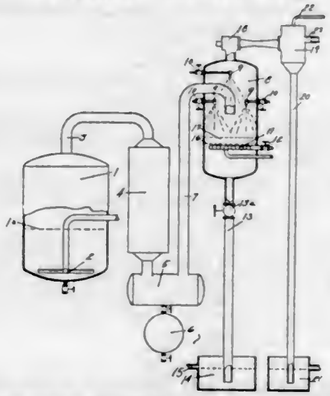
1. An intake manifold comprising a multiple ported conduit, a portion of said conduit including means for deflecting the charge into the inner port, and said conduit decreasing in cross-sectional area towards the outer port.

1,982,597
LOG WASHER SHAFT AND ARM ASSEMBLY
William Stackhouse Rockhill, Bristol, Pa., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey
Application August 17, 1932, Serial No. 629,235
2 Claims. (Cl. 259—136)

1. A log washer shaft comprising angle bars, devices whereby they are spaced apart and tied as a unit which is cruciform in cross-section, said devices constituting radial arms of the fixed shank and removable tip type and whereof the shanks are of box-section with side windows in opposed relation to provide for unobstructed flow and thereby prevent trapping of material, the windowed portions of the shank elements being located between the angle bars and within the shaft section, whereby the shaft has an unobstructed passage throughout its length for flow of material therethrough.



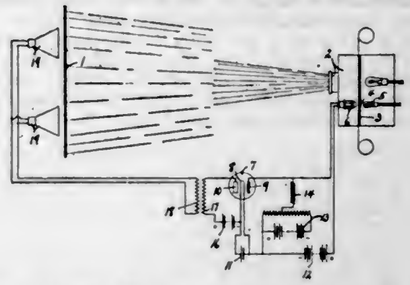
1,982,598
DISTILLATION SYSTEM
William Sieck, Jr., Hubbard Woods, Ill., assignor to William Garrigue & Co., Chicago, Ill., a corporation of Illinois
Application April 17, 1933, Serial No. 666,413
2 Claims. (Cl. 202—199)



1. A vacuum distillation system comprising a still with means for injecting a fluid into the contents of said still, a surface condenser for receiving and partially condensing vapors from the still, a flash chamber connected with the surface condenser and receiving vapors therefrom, means for cooling and partially condensing the vapors in the flash chamber by the injection and vaporization of a fluid in the flash chamber, a barometric condenser connected with said flash chamber for receiving and condensing the vapors not condensed in the flash chamber, and heating means within the flash chamber.

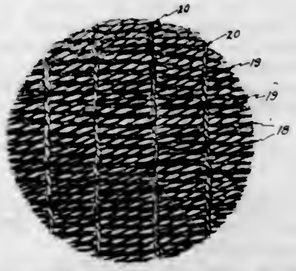
1,982,599
METHOD AND APPARATUS FOR PRODUCING MOVING PICTURES
Earl I. Sponable, New York, N. Y., assignor, by mesne assignments, to Movietonews, Inc., New York, N. Y., a corporation of New York
Application March 29, 1927, Serial No. 179,214
4 Claims. (Cl. 88—16.2)

1. An apparatus for reproducing combined moving and sound pictures comprising a screen of porous fabric impervious to light rays but allowing sound waves to pass through unimpeded, a projecting apparatus for projecting light rays constituting the moving picture upon the screen, a translating device disposed upon the side of the



screen opposite the projecting apparatus, and means for energizing the translating apparatus to produce sound waves which are projected through said screen.

1,982,600
APPARATUS FOR SIMULTANEOUSLY PRODUCING MOVING PICTURES AND REPRODUCING SOUND PICTURES
Earl I. Sponable, New York, N. Y., assignor, by mesne assignments, to Movietonews, Inc., New York, N. Y., a corporation of New York
Original application March 29, 1927, Serial No. 179,214. Divided and this application October 10, 1931, Serial No. 568,142
9 Claims. (Cl. 88—24)



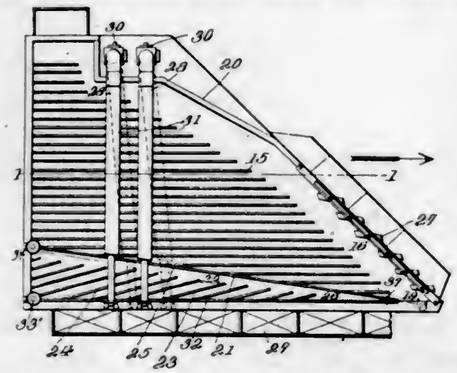
9. A moving picture screen substantially impervious to light rays and having sufficient light reflecting properties to constitute an efficient projection screen adapted for co-ordinate sound transmission comprising a single thickness of woven textile fabric having openings formed in the process of weaving said cloth and extending from front to rear of the screen sufficient in number and size to allow sound waves to pass through substantially unimpeded and undistorted.

1,982,601
PROCESS AND APPARATUS FOR THE SEPARATION OF PARTICLES COMPOSING A MASS
Henry M. Sutton, Walter L. Steele, and Edwin G. Steele, Dallas, Tex.
Application May 11, 1929, Serial No. 362,406
17 Claims. (Cl. 209—467)

1. An apparatus for the separation of particles comprising a main pervious deck having a clearance space located to receive the heavy particles and extending across the deck, a tailings riffle located at the lower side of the deck from which the tailings pass and a recleaning deck located beyond the said tailings riffle the opposite side of the said tailings riffle of the main deck acting

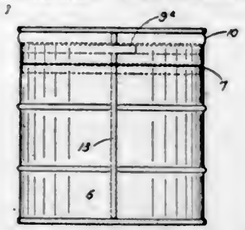
also to cause a recleaning of the material escaping over the tailings riffle, the parts adapted to operate as set forth.

17. The herein described process of separating particles of a mass of different characteristics which comprises reciprocating and feeding forward a mass on a pervious table, separating the heavier particles from the lighter particles by forming an obstruction of the heavy particles thereby separating the lighter particles therefrom, then separating the lighter particles from



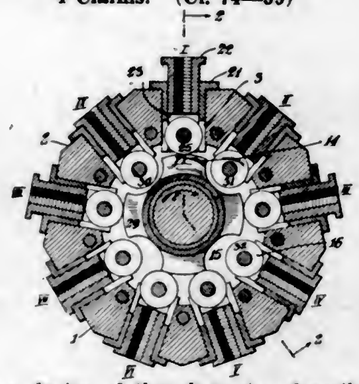
the remaining unseparated mass by causing said unseparated mass to escape from the first stage of separation and introducing it substantially directly on a second obstruction of heavier particles formed by the movement of said heavier particles of said unseparated mass and reclaiming the same by causing the heavy particles to move towards said last mentioned obstruction and causing the separated lighter particles to escape therefrom in a direction substantially transverse the movement of the said second heavy particles.

1,982,602
CAN
William E. Wright, Philadelphia, Pa., assignor to The Food Processing Company, Philadelphia, Pa., a corporation of Delaware
Application June 25, 1931, Serial No. 546,709
3 Claims. (Cl. 220—54)



1. In a can of the class specified, a body wall comprised of a single thickness of sheet metal for the major portion of its height and having an inturned reversely folded flattened portion forming an inside reinforcing band adjacent the top of the can, said band having an inner wall and outer reversely-bent walls which constitute upper and lower reinforcing folds with the outer wall of each fold forming a continuation of the body wall, the upper fold being of greater width than the lower fold, the outer can body wall of said upper fold being scored to provide a tear strip for opening the can and being also locked to said inner wall and reinforced against outward displacement by the latter.

1,982,603
ECCENTRIC CONTROL
Marius Jean-Baptiste Barbarou, Neuilly-sur-Seine, France
Application February 24, 1933, Serial No. 658,327
In France February 24, 1932
4 Claims. (Cl. 74—55)

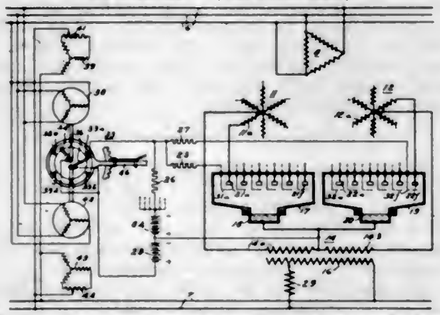


1. In a device of the character described for use in conjunction with radial motors, a driving shaft and an eccentric carried thereby, a sleeve rotatably and concentrically mounted on said eccentric tending to cause said sleeve to be translated in a direction corresponding to that of the eccentric, stationary means for opposing said rotation of said sleeve and causing the latter to rotate in an opposite direction.

1,982,604
PROCESS FOR THE MANUFACTURE OF WHITE PIGMENT
Rudolf Barfuss, Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 17, 1930, Serial No. 453,401. In Germany May 14, 1929
2 Claims. (Cl. 23—147)

1. Process for the manufacture of a white pigment which consists in adding to a zinc chloride solution a non-volatile alkali metal hydroxide in such an amount that the final pH of the solution is between 12 and 12.8, filtering, washing and drying the precipitate.

1,982,605
FREQUENCY CHANGING SYSTEM
Heinrich Meyer-Delius, Heidelberg-Schlierbach, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application June 16, 1933, Serial No. 676,065
In Germany June 17, 1932
14 Claims. (Cl. 172—281)



2. In a system for transmitting energy between alternating current lines, an alternating current line, a transformer connected with said line, an electron discharge device having anodes connected with said transformer and having control electrodes and a cathode, a second alternating current line, a transformer connected with the second said line and connecting the cathode of said device with the first said transformer, a source of control potentials, means responsive to the sum of the frequencies of said lines for controlling the sequential connection of said source with the control electrodes of said device, and means responsive to the difference of the frequencies of said lines and operating independently of the first said means for cooperatively controlling the sequential connection of said source with the control electrodes of said device.

14. In a system for transmitting energy between alternating current lines, an alternating current line, a transformer connected with said line and having a neutral point, a plurality of electron discharge devices each having anodes connected with said transformer and having control electrodes and a cathode, a second alternating current line, a transformer connected with the second said line and with the cathodes of said devices and having a neutral point, means connecting the neutral points of said transformers, a source of control potential having a negative terminal continuously connected with the cathode of one of said devices and having a positive terminal connectable with the said control electrodes thereof, a second source of control potentials having a negative terminal continuously connected with the cathode of another of said devices and a positive terminal connectable with the said control electrodes thereof, means for effecting the connection of the said positive terminals of said sources continually with said control electrodes at predetermined moments relative to the frequencies of the voltages of said lines, means operating independently of the first said means for effecting the connections of said positive terminals of said sources continually with said control electrodes at other predetermined moments relative to the frequencies of the voltages of said lines, and means responsive to the frequency of the second said line for varying the moments of connection of said sources of current with the first and second said means.

1,982,606
MANIFOLDING MACHINE
Fritz G. Diesbach, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio, a firm
Application September 13, 1933, Serial No. 689,297
4 Claims. (Cl. 282—12)



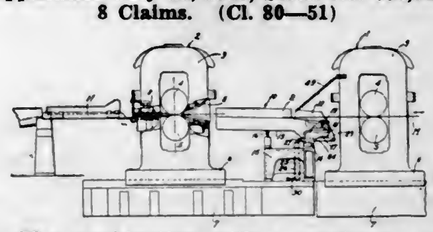
2. In a manifolding machine, a casing provided with a platen over which a plurality of strips in superposed arrangement are drawn, the strips provided with registering apertures at determined intervals, a carrier having depressible pins adapted to engage through the strip apertures when in registry therewith said carrier oscillatably mounted at the forward end of the platen to initiate a feeding movement to the strip when the pins are engaged with the strips, and a lever for oscillating said carrier and subsequently depressing said pins to retract the same from the apertures in the strip, and said lever in its normal position locking said carrier.

1,982,607
STRIPPER AND CONVEYER FOR CARRIER SHEETS
Frank E. Flynn, Youngstown, Ohio
Application December 27, 1932, Serial No. 648,934
10 Claims. (Cl. 198—41)



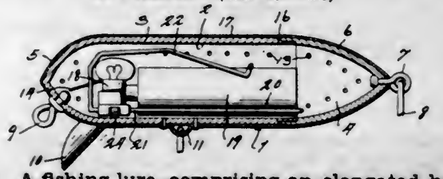
1. In an apparatus of the class described, a run-out adapted to convey a carrier sheet having a prime sheet disposed thereon, a conveyer belt disposed below the plane of said run-out, and magnetic means associated with said run-out and positioned in such a manner as to act upon the carrier sheet for separating said sheets and deflecting the carrier sheet into a plane below said run-out onto said conveyer.

1,982,608
AUTOMATIC CONTROL FOR LOOPER PANS
Frank E. Flynn, Youngstown, and George N. Harmon, Warren, Ohio
Application July 18, 1933, Serial No. 680,942
8 Claims. (Cl. 80—51)



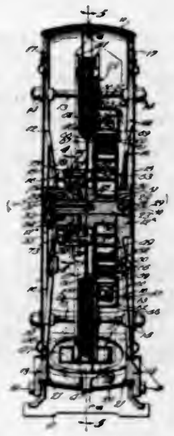
1. The combination with a continuous strip mill having a plurality of roll stands having motors for driving the same, of means for guiding and supporting the strip between adjacent roll stands, said means comprising a vertically adjustable table, a looper pan associated with the table, a motor impeller jack for moving the looper pan to looping position, and a relay switch in the circuit of said motors for controlling the flow of current to the motor impeller jack, said relay switch being closed by the increased load on the motor of the roll stand following the looper pan as occasioned by commencement of the strip rolling operation thereby.

1,982,609
FISHING LURE
James D. Freese, Pawhuska, Okla., assignor of one-half to Charles Bacon, Pawhuska, Okla.
Application January 28, 1933, Serial No. 654,031
9 Claims. (Cl. 43—44)



1. A fishing lure, comprising an elongated hollow body, hook elements carried thereby, means for illuminating the interior of the body, means whereby the outline of the body will be set forth when the body is in use which consists of an aperture outlined area upon each side of the body which is of the same contour as the body, and a light transmitting medium covering a surface of the body and said apertures and preventing the entrance of water into the body.

1,982,610
HOSE REEL
Cleo Harris, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application August 25, 1933, Serial No. 686,792
9 Claims. (Cl. 299—78)



1. In a hose reeling device, a pair of side frame elements of generally circular form including coaxial hub portions, an annulus adjustably secured about and spanning the space between said side frame elements, said annulus including a hose outlet fitting fixed thereto, said side frame elements being of open construction, removable cover plates secured against each side element, a spindle journalled between and in the coaxial hub portions, a spool mounted on said spindle, a supply hose wound on said spool and extending through the hose outlet fitting, and an inlet connection to said hose extended through the axial mounting of said spool.

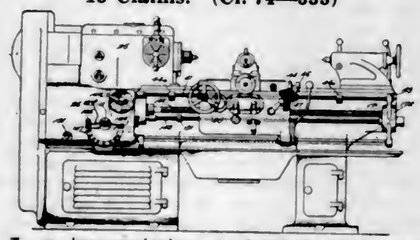
4. In a hose reel, a frame including coaxial supporting hubs, a spindle journalled in said hubs, a spool fixed on said spindle, a hose wound on said spool, said spindle including an internal bore extending from one end to an intermediate point thereof, a hose supply pipe extended radially from said spindle bore and connected to the inner end of the hose, a packing gland disposed in one of said hubs and about the open end of said spindle, said gland surrounding the end of said spindle forming a chamber about the same and including a radial aperture and an annular groove in its outer surface entered by said aperture, and a supply pipe connected to the hub and in communication with said annular groove.

1,982,611
GAME
John T. Hartnett, Arlington, Mass., assignor of one-half to Courier-Citizen Company, Lowell, Mass., a corporation of Massachusetts
Application January 20, 1933, Serial No. 652,623
3 Claims. (Cl. 35—12)

1. A game comprising a card having a plurality of folded tabs the ends of which are detachably connected with the body of the card whereby the tabs are retained normally in folded condition and separately detachable from the card, indicia on the card, other indicia relating to said first indicia appearing on the inner faces of said tabs, additional indicia on said card relating to said other indicia, and removable covers for said additional indicia which normally conceal said indicia from view.

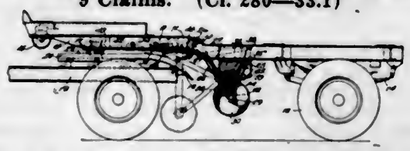


1,982,612
FEED BOX TRANSMISSION
William G. Hoelscher, Norwood, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application August 17, 1932, Serial No. 629,163
13 Claims. (Cl. 74—333)



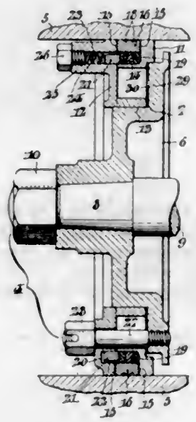
1. In a transmission, a driving gear, parallel shafts, a transposable gear adapted to be fixed on the end of either of said shafts and to mesh with said driving gear in either position, a cone of gears fixed to one of said shafts, a tumbler gear rotatively fixed to the other of said shafts and adapted for selective engagement with the gears of the cone, a speed range transmission, a gear loosely mounted on each of the respective shafts and both meshing with a particular gear of the speed range transmission, and alternately operable clutches associated with the respective shafts and controlled for connecting the particular shaft not carrying the transposable gear to the loosely mounted gear for extending the drive to the speed range transmission, the position of said transposable gear adapted to constitute the shafts alternately driving and driven shafts relative to each other.

1,982,613
SEMITRAILER
Rufus B. Jones, Cincinnati, and James J. Black, Newtown, Ohio, assignors to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware
Application July 5, 1933, Serial No. 679,066
9 Claims. (Cl. 280—33.1)



8. In a tractor trailer combination in which the forward portion of the trailer is adapted to be supported on the rear portion of the tractor; a prop mechanism for the trailer, mounting and guiding means for said prop disposed on the trailer toward the forward end thereof, said prop mounted for successive slidable and pivotal movement in said supporting means, and means extended to the forward end of the trailer for engagement by the tractor for moving the prop rearwardly and concurrently swinging the same upwardly.

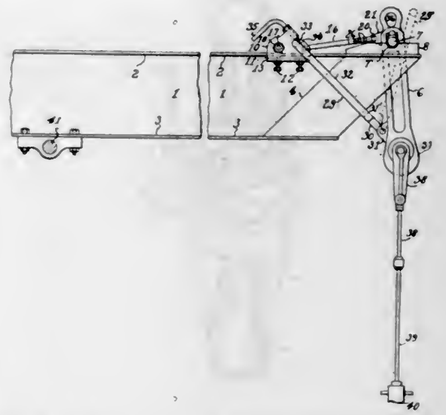
1,982,614
PISTON PACKING
Ralph A. Light, Cynwyd, and Joseph W. Price, Jr., Philadelphia, Pa., assignors to The United States Metallic Packing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 24, 1933, Serial No. 681,917
6 Claims. (Cl. 309—39)



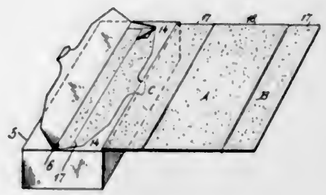
1. A packing for a piston comprising bull and follower rings; a split metallic sealing ring freely engaged in a circumferential groove formed jointly by the bull and follower rings; soft resilient cushioning and packing material filling a circumferential interval between the inner periphery of the sealing ring and the bottom of the groove aforesaid; and axially influenced means housed in the follower ring laterally compressing the cushioning and packing material so as to floatingly support and keep the sealing ring expanded in yielding fluid-tight contact with the wall of a cylinder.

1,982,615
BEAM HANGER
Joseph R. Mahan, Toledo, Ohio, assignor to The National-Superior Company, Toledo, Ohio, a corporation of Delaware
Application September 20, 1932, Serial No. 633,945
Renewed August 12, 1933
14 Claims. (Cl. 255—18)

1. In a pumping mechanism, for use with a walking beam to suspend a pump rod therefrom, the combination of a suspension member adapted to be supported at its upper end on the upper surface of the beam, means for connecting the lower end of the suspension member to the pump rod, an anchor means adapted to be adjustably secured to the upper surface of the beam, a brace member attached at one end to the lower portion of the suspension member and detachably connected at its remaining end to the anchor means, and a tie rod connected between the anchor means and the upper end of the suspension member and retaining the upper end of the suspension member in predetermined spaced relation to the anchor means.

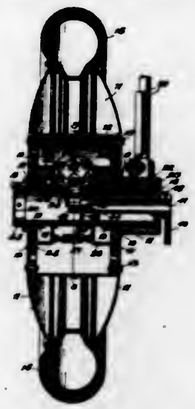


1,982,616
PACKAGE
William Medoff, Brooklyn, N. Y., assignor to National Cellulose Corporation, New York, N. Y., a corporation of New York
Application November 10, 1931, Serial No. 574,060
5 Claims. (Cl. 206—57)



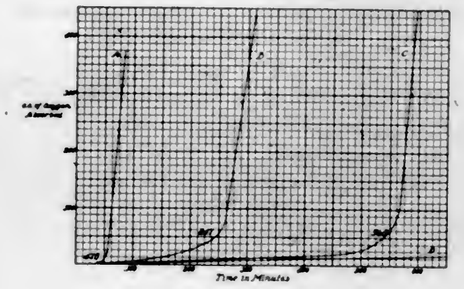
1. A dispensing package, comprising a plurality of folded sheet articles arranged in a stack, an envelope therefor having an opening extending from a line lying back of the longitudinal center line of the wrapper to a line lying shortly back of the front edge of the package, thereby forming a flange at said front edge, and a plurality of sheet articles folded and stacked as the stack of folded articles being so arranged in the envelope that the inner edge of said flange is brought to bear successively against the foldlines of said sheets to flatten same out to unfold same when same is removed.

1,982,617
BRAKE FOR AIRPLANE LANDING GEAR
Otto E. Wolff, New York, N. Y.
Application December 4, 1928, Serial No. 323,629
26 Claims. (Cl. 188—18)



24. The combination with an axle, of a wheel rotatable on said axle and having a hollow portion surrounding the same; braking means within said hollow portion of the wheel; and brake actuating means, part thereof being movable within said axle and adapted to actuate one or more other pivotally movable parts thereof.

1,982,618
MOTOR FUEL PRODUCT
Thomas H. Rogers and Vanderveer Voorhees, Whiting, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
Application August 8, 1927, Serial No. 211,554
6 Claims. (Cl. 44—9)



5. A motor fuel consisting mainly of cracked hydrocarbon distillates and which tends to deteriorate and develop gum on storage, and containing a small proportion of a nitrosophenol whereby gum-formation and deterioration thereof are retarded.

DESIGNS

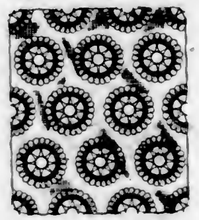
NOVEMBER 27, 1934

93,905
DESIGN FOR A SHOE
Thomas R. Atkins, Cliftondale, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application October 12, 1934, Serial No. 53,596
Term of patent 3½ years



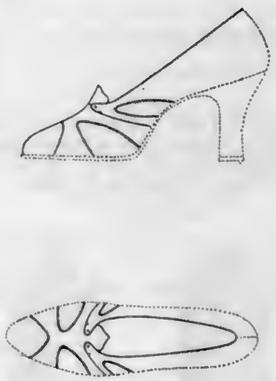
The ornamental design for a shoe substantially as shown and described.

93,906
DESIGN FOR A TEXTILE FABRIC OR THE LIKE
Armin W. Baldegger, Union City, N. J.
Application October 20, 1934, Serial No. 53,703
Term of patent 3½ years



The ornamental design for a textile fabric or the like as shown and described.

93,907
DESIGN FOR A SHOE
Albert F. Bancroft, Newton, Mass., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 5, 1934, Serial No. 53,492
Term of patent 3½ years



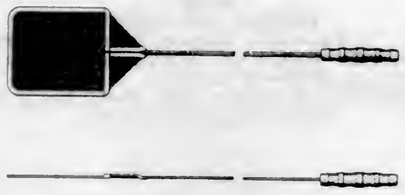
The ornamental design for a shoe substantially as shown and described.

93,908
DESIGN FOR A SHOE
Benjamin Benjamin, New York, N. Y.
Application October 3, 1934, Serial No. 53,463
Term of patent 3½ years



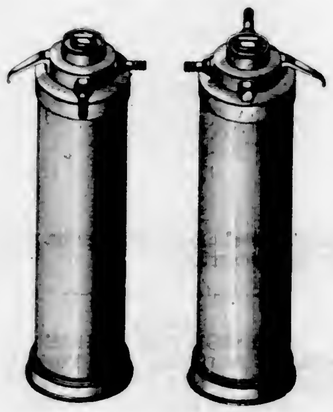
The ornamental design for a shoe, as shown.

93,909
DESIGN FOR A FLY SWATTER
John L. Bennett, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill.
Application March 6, 1934, Serial No. 50,967
Term of patent 14 years



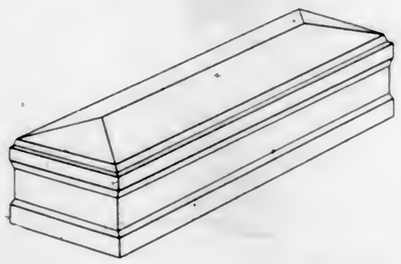
The ornamental design for a fly swatter as shown.

93,910
DESIGN FOR A WATER FILTER
Raymond G. Camp, New Philadelphia, Ohio
Application February 23, 1934, Serial No. 50,825
Term of patent 14 years



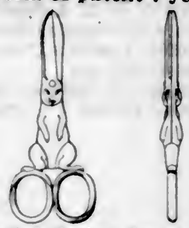
The ornamental design for a water filter, as shown.

93,911
DESIGN FOR A BURIAL VAULT
Harry Cohen, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application September 24, 1934, Serial No. 53,391
Term of patent 14 years



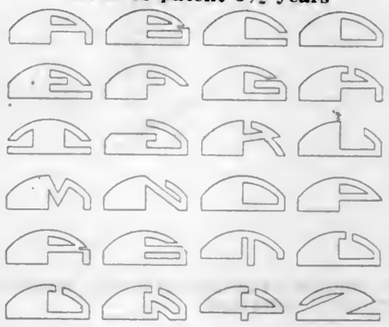
The ornamental design for a burial vault, substantially as shown.

93,912
DESIGN FOR A PAIR OF SCISSORS OR SIMILAR ARTICLE
John J. Conway, Bridgeport, Conn., assignor to The Acme Shear Company, Bridgeport, Conn., a corporation of Connecticut
Application September 8, 1934, Serial No. 53,234
Term of patent 7 years



The ornamental design for a pair of scissors or similar article, substantially as shown.

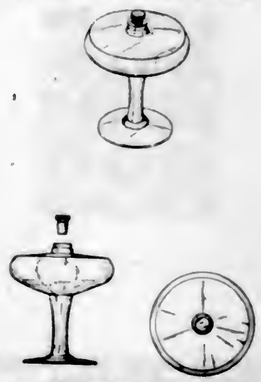
93,913
DESIGN FOR A MONOGRAM ALPHABET
Olga Dammé, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y., a corporation of New York
Application February 26, 1934, Serial No. 50,884
Term of patent 3½ years





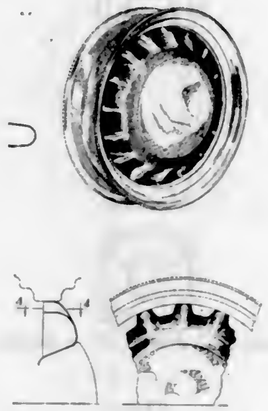
The ornamental design for a monogram alphabet, substantially as shown and described.

93,914
DESIGN FOR A BOTTLE
Robert Denels, New York, N. Y.
Application August 23, 1934, Serial No. 53,028
Term of patent 7 years



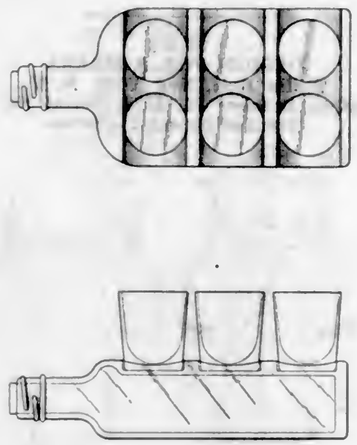
The ornamental design for a bottle, as shown.

93,915
DESIGN FOR A WHEEL
Carolus L. Eksergian and Talmon A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 16, 1933, Serial No. 49,270
Term of patent 14 years



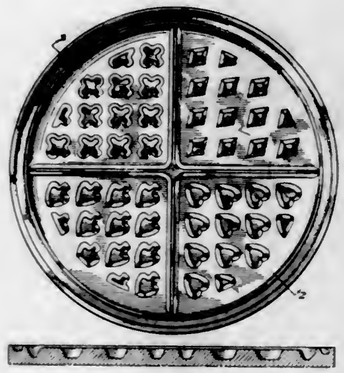
The ornamental design for a wheel, substantially as shown and described.

93,916
DESIGN FOR A COMBINATION BOTTLE AND TRAY WITH GLASSES
Hugo Erickson, Chicago, Ill.
Application March 23, 1934, Serial No. 51,152
Term of patent 14 years



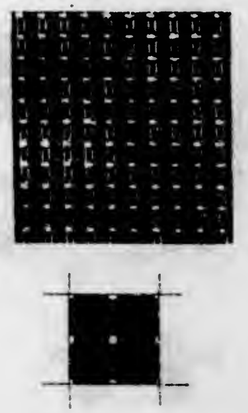
The ornamental design for a combination bottle and tray with glasses, as shown and described.

93,917
DESIGN FOR A WAFFLE IRON GRID
Philip A. Eyrick, Arlington, Mass.
Application October 1, 1934, Serial No. 53,458
Term of patent 14 years



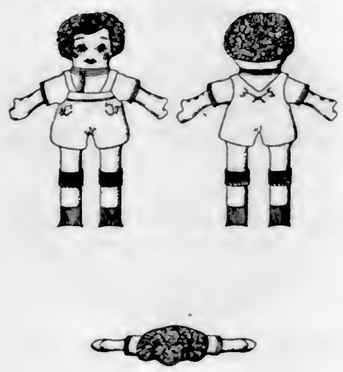
The ornamental design for a waffle iron grid, as shown and described.

93,918
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Moses F. Gantz, Yonkers, N. Y.
Application April 18, 1933, Serial No. 47,825
Term of patent 3½ years



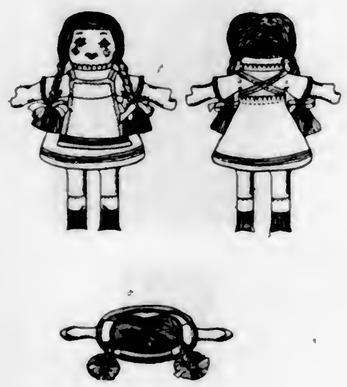
The ornamental design for an embroidered textile fabric as shown and described.

93,919
DESIGN FOR A BOY DOLL
Dorothea R. Gufler, Emporia, Kans.
Application September 10, 1934, Serial No. 53,245
Term of patent 7 years



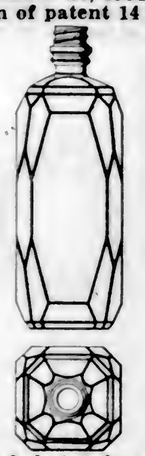
The ornamental design for a boy doll, as shown.

93,920
DESIGN FOR A GIRL DOLL
Dorothea R. Gufler, Emporia, Kans.
Application September 10, 1934, Serial No. 53,246
Term of patent 7 years



The ornamental design for a girl doll, as shown.

93,921
DESIGN FOR A BOTTLE
William Guyer, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind., a corporation of Indiana
Application September 20, 1934, Serial No. 53,337
Term of patent 14 years



The ornamental design for a bottle as shown.

93,922
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Raymond Harvey, New York, N. Y.
Application October 17, 1934, Serial No. 53,661
Term of patent 14 years



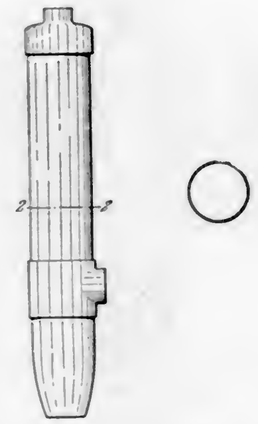
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

93,923
DESIGN FOR A DRESS
Philip Helt, New York, N. Y.
Application October 10, 1934, Serial No. 53,534
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

93,924
DESIGN FOR A CASING FOR WATER HEATERS AND THE LIKE
Henry W. A. Johnson, Roslindale, Boston, and Robert H. Moore, Lexington, Mass.
Application September 20, 1934, Serial No. 53,340
Term of patent 14 years



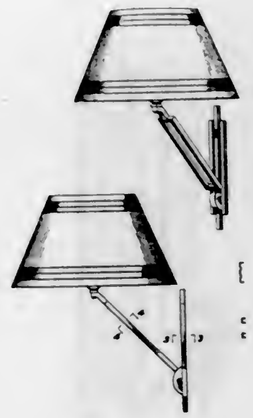
The ornamental design for a casing for water heaters and the like, substantially as shown.

93,925
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio
Application August 27, 1934, Serial No. 53,077
Term of patent 3½ years



The ornamental design for a wall bracket lamp, substantially as shown.

93,926
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio
Application August 27, 1934, Serial No. 53,078
Term of patent 3½ years



The ornamental design for a wall bracket lamp, substantially as shown.

93,927
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio
Application August 27, 1934, Serial No. 53,079
Term of patent 3½ years



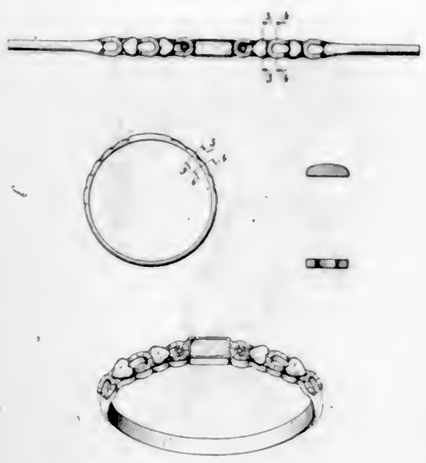
The ornamental design for a wall bracket lamp, substantially as shown.

93,928
DESIGN FOR A COCKTAIL SHAKER
Ralph N. Kircher, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application September 24, 1934, Serial No. 53,387
Term of patent 7 years



The ornamental design for a cocktail shaker as shown.

93,929
DESIGN FOR A WEDDING RING OR SIMILAR ARTICLE
Harry Kousin, New York, and William Sude, Arverne, N. Y.
Application April 13, 1934, Serial No. 51,392
Term of patent 14 years



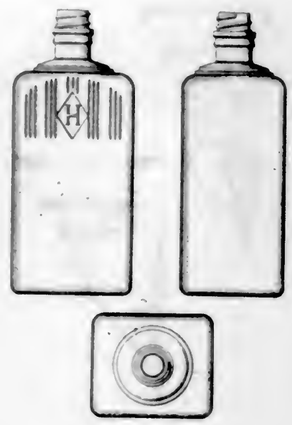
The ornamental design for a wedding ring or similar article as shown and described.

93,930
DESIGN FOR A SHOE
Dominick La Valle, Marlboro, N. Y.
Application October 17, 1934, Serial No. 53,655
Term of patent 3½ years



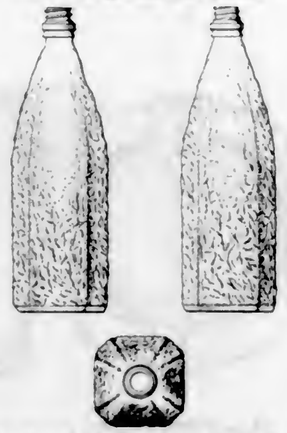
The ornamental design for a shoe, as shown.

93,931
DESIGN FOR A BOTTLE
Calman Levine, New York, N. Y., assignor to Joseph E. Seagram & Sons, Ltd., Waterloo, Ontario, Canada
Application September 20, 1934, Serial No. 53,338
Term of patent 14 years



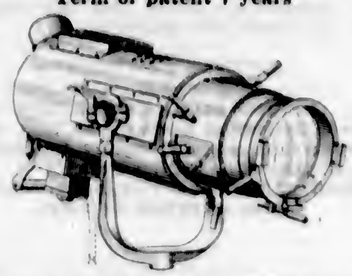
The ornamental design for a bottle as shown.

93,932
DESIGN FOR A BOTTLE
Calman Levine, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind., a corporation of Indiana
Application September 20, 1934, Serial No. 53,339
Term of patent 14 years



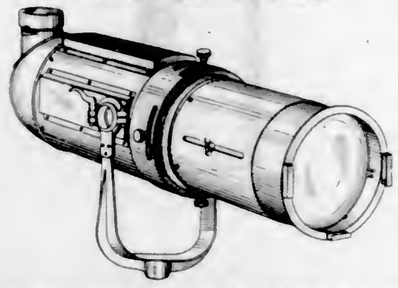
The ornamental design for a bottle as shown.

93,933
DESIGN FOR A LIGHT PROJECTOR OR SIMILAR ARTICLE
Joseph Levy, New York, N. Y.
Application October 1, 1934, Serial No. 53,445
Term of patent 7 years



The ornamental design for a light projector or similar article, as shown.

93,934
DESIGN FOR A LIGHT PROJECTOR OR SIMILAR ARTICLE
Joseph Levy, New York, N. Y.
Application October 16, 1934, Serial No. 53,629
Term of patent 7 years



The ornamental design for a light projector or similar article, as shown.

93,935
DESIGN FOR A SHOE
Vergil C. Lipscomb, St. Louis, Mo., assignor to Wohl Shoe Company, St. Louis, Mo., a corporation of Missouri
Application October 8, 1934, Serial No. 53,514
Term of patent 3½ years



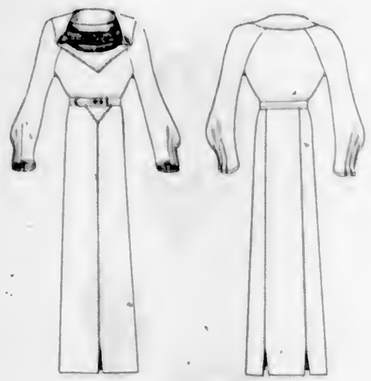
The ornamental design for a shoe, as shown.

93,936
DESIGN FOR A DRESS
Eleanor Mair, New York, N. Y.
Application September 8, 1934, Serial No. 53,230
Term of patent 3½ years



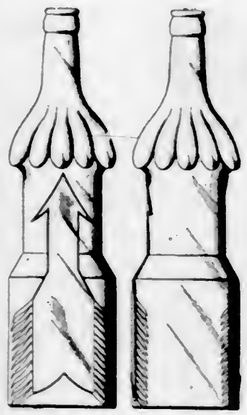
The ornamental design for a dress, substantially as shown and described.

93,937
DESIGN FOR A DRESS
Eleanor Mair, New York, N. Y.
Application September 8, 1934, Serial No. 53,231
Term of patent 3½ years



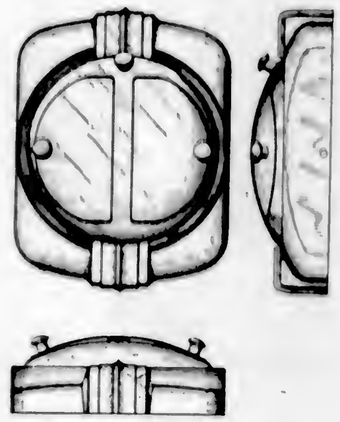
The ornamental design for a dress, substantially as shown and described.

93,938
DESIGN FOR A BOTTLE
James Mandes, Washington, D. C.
Application August 24, 1934, Serial No. 53,034
Term of patent 14 years



The ornamental design for a bottle, as shown.

93,939
DESIGN FOR AN AUTOMOBILE HEATER
Mathew J. Marty and Richard H. Hausse, Chicago, Ill.
Application September 21, 1934, Serial No. 53,356
Term of patent 7 years



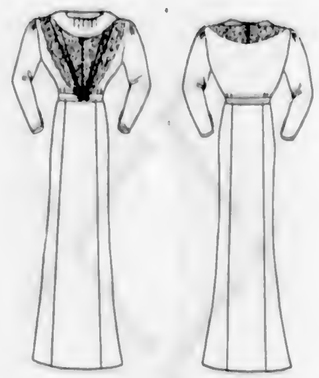
The ornamental design for an automobile heater, as shown and described.

93,940
DESIGN FOR A CONTAINER
Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application March 20, 1934, Serial No. 51,112
Term of patent 14 years



The ornamental design for a container as shown and described.

93,941
DESIGN FOR A DRESS
Osias Nathanson, New York, N. Y.
Application July 31, 1934, Serial No. 52,752
Term of patent 3½ years



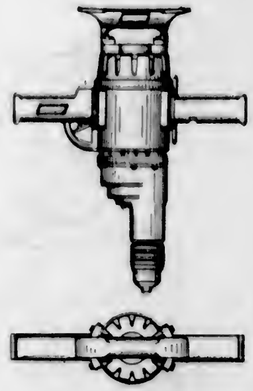
The ornamental design for a dress, substantially as shown.

93,942
DESIGN FOR A BLOUSE
William Netzky, New York, N. Y.
Application October 3, 1934, Serial No. 53,464
Term of patent 3½ years



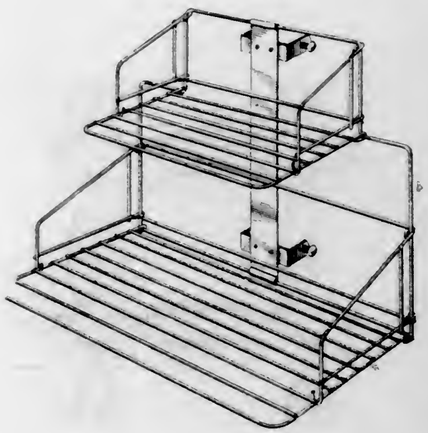
The ornamental design for a blouse, substantially as shown.

93,943
DESIGN FOR A PORTABLE POWER DRIVEN TOOL
Harry M. Rand, Kansas City, Mo.
Application August 13, 1934, Serial No. 52,938
Term of patent 14 years



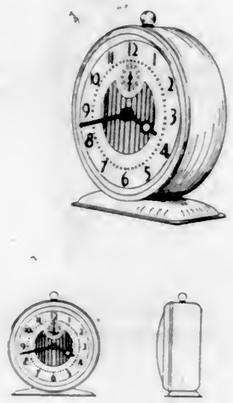
The ornamental design for a portable power driven tool substantially as shown.

93,944
DESIGN FOR AN ATTACHABLE SHELF
Jean Schimmelfeng, Chicago, Ill.
Application August 23, 1934, Serial No. 53,027
Term of patent 3½ years



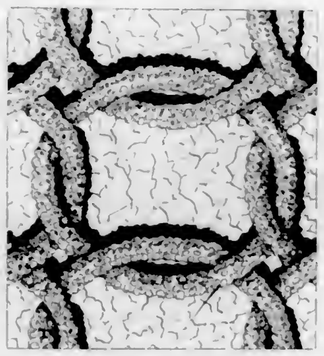
The ornamental design for an attachable shelf as shown.

93,945
DESIGN FOR A CLOCK CASE
Max Schlenker, La Salle, Ill., assignor to Western Clock Company, Peru, Ill., a corporation of Illinois
Application September 7, 1934, Serial No. 53,219
Term of patent 3½ years



The ornamental design for a clock case, as shown.

93,946
DESIGN FOR A TEXTILE FABRIC
Charles F. Scholle, Mount Vernon, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application July 2, 1934, Serial No. 52,431
Term of patent 7 years



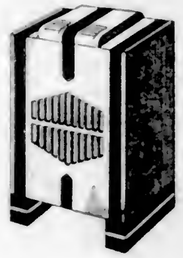
The ornamental design for a textile fabric as shown and described.

93,947
DESIGN FOR A TEXTILE FABRIC
Charles F. Scholle, Mount Vernon, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application July 2, 1934, Serial No. 52,432
Term of patent 7 years



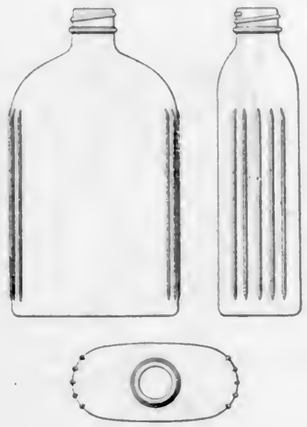
The ornamental design for a textile fabric as shown and described.

93,948
DESIGN FOR A HEATER CABINET
Eugene L. Snyder, Canton, Ohio
Application October 1, 1934, Serial No. 53,443
Term of patent 7 years



The ornamental design for a heater cabinet, substantially as shown.

93,949
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application August 24, 1934, Serial No. 53,041
Term of patent 14 years



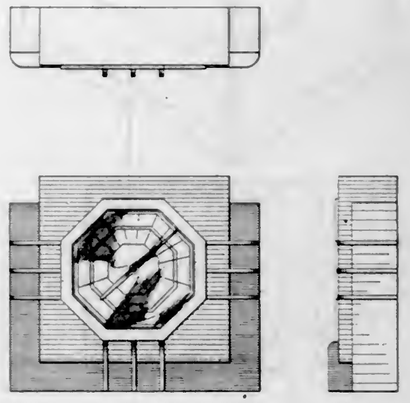
The ornamental design for a bottle as shown.

93,950
DESIGN FOR A JAR
Frederick W. Stewart, Beaver, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application August 31, 1934, Serial No. 53,133
Term of patent 3½ years



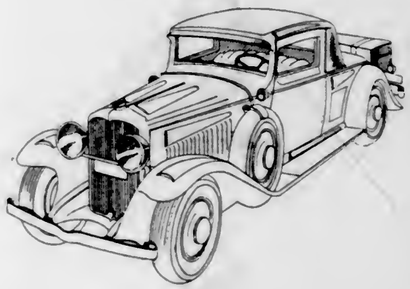
The ornamental design for a jar, as shown.

93,951
DESIGN FOR AN INSTRUMENT CASE
Walter Dorwin Teague, Forest Hills, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application September 19, 1934, Serial No. 53,329
Term of patent 7 years



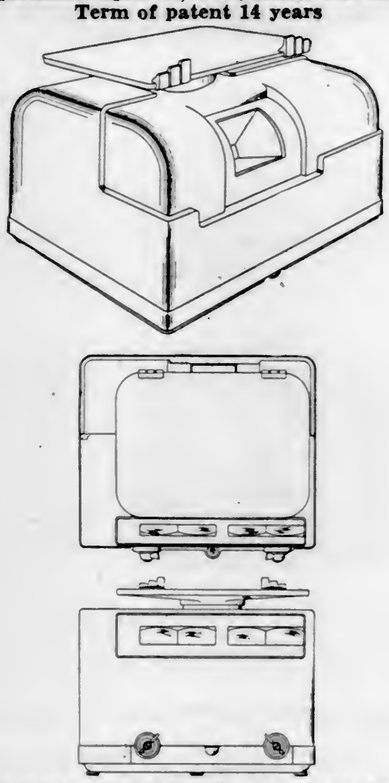
The ornamental design for an instrument case as shown.

93,952
DESIGN FOR AN AUTOMOBILE
Thomas O. Theobald, Detroit, Mich.
Application January 7, 1933, Serial No. 46,750
Term of patent 3½ years



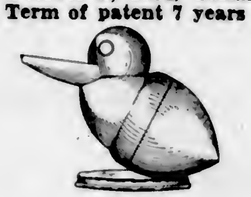
The ornamental design for an automobile substantially as shown and described.

93,953
DESIGN FOR A SCALE
Harold L. van Doren and John G. Rideout, Toledo, Ohio
Application April 13, 1934, Serial No. 51,400
Term of patent 14 years



The ornamental design for a scale as shown.

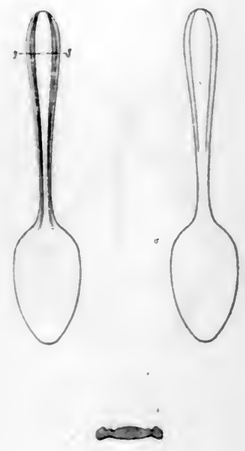
93,954
DESIGN FOR AN ASH RECEIVER
Walter von Nessen, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application October 2, 1934, Serial No. 53,453
Term of patent 7 years





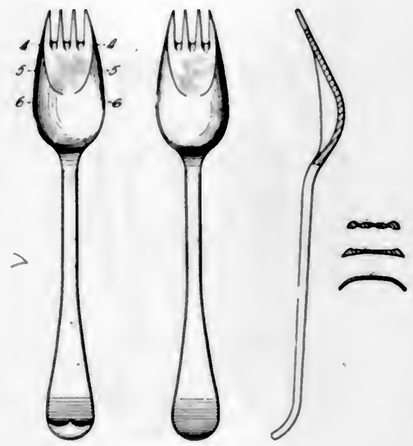
The ornamental design for an ash receiver as shown.

93,955
DESIGN FOR A SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Application October 2, 1934, Serial No. 53,455
Term of patent 7 years



The ornamental design for a spoon or similar article as shown.

93,956
DESIGN FOR A TABLE-FORK OR SIMILAR ARTICLE
George Scott Wilson, Edinburgh, Scotland
Application May 1, 1934, Serial No. 51,616
Term of patent 14 years



The ornamental design for a table-fork or similar article substantially as shown and described.

93,957
DESIGN FOR A COFFEE MAKER
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut
Application July 5, 1933, Serial No. 48,636
Term of patent 14 years



The ornamental design for a coffee maker, substantially as shown.

93,958
DESIGN FOR A BEVERAGE DISPENSING BOWL
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut
Application October 9, 1934, Serial No. 53,531
Term of patent 14 years



The ornamental design for a beverage dispensing bowl, substantially as shown.

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[Decisions of the Board of Appeals are indicated by the letter (b), of the United States Court of Customs and Patent Appeals by a star (•) and of the United States Circuit Court by the letter (c).]

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Company, The, Wilton, Maine. Boots, shoes, slippers, etc. Serial No. 349,063; Dec. 4. Class 39.
Acme Staple Company, Camden, N. J. Staples. Serial Nos. 356,130–40; Dec. 4. Class 13.
Aladdin Rod and Flux Mfg. Co., Des Moines, Iowa. Rods for welding. Serial No. 357,481; Dec. 4. Class 14.
American Safety Match Corporation, New York, N. Y. Safety matches. Serial Nos. 357,582–4; Dec. 4. Class 9.
American White Cross Laboratories Inc., The, New Rochelle, N. Y. Adhesive tape. Serial Nos. 356,173–4; Dec. 4. Class 44.
Applebaum, Rebecca, doing business as Monarch Wine Co., New York, N. Y. Wines. Serial No. 356,791; Dec. 4. Class 47.
Arco Company, The, Cleveland, Ohio. Pyroxylin lacquer. Serial No. 336,811; Dec. 4. Class 16.
Associated Parts Mfg. Corp., Brooklyn, N. Y. Vehicle heaters. Serial No. 356,830; Dec. 4. Class 19.
Ault & Wiborg Carbon & Ribbon Co., Inc., Cincinnati, Ohio. Carbon paper, typewriter ribbons, inks, etc. Serial No. 357,485; Dec. 4. Class 11.
Bailey Meter Company, Cleveland, Ohio. Indicators, recorders, integrators, etc. Serial No. 355,053; Dec. 4. Class 26.
Beringer Bros., Inc., St. Helena, Calif. Wines. Serial No. 357,363; Dec. 4. Class 47.
Bernheim Distilling Company, Louisville, Ky. Whiskey. Serial No. 357,588; Dec. 4. Class 49.
Betty Ann Hats, Inc., New York, N. Y. Berets, tams, and hats. Serial No. 356,211; Dec. 4. Class 39.
Blackman, Julius, Inc., doing business as Supreme Pharmaceutical Company, Chicago, Ill. Pharmaceutical preparations. Serial No. 355,877; Dec. 4. Class 6.
Bloomingdale Bros., Inc., New York, N. Y. Whiskey. Serial No. 357,613; Dec. 4. Class 49.
Bloomingdale Bros., Inc., New York, N. Y. Whiskey. Serial No. 357,618; Dec. 4. Class 49.
Blum, Carita, Washington, D. C. Column for newspapers. Serial No. 357,450; Dec. 4. Class 38.
Bohemian Distributing Co. Ltd., Los Angeles, Calif. Gin. Serial No. 357,707; Dec. 4. Class 49.
Bordo Products Company, Chicago, Ill. Canned grapefruit juice. Serial No. 355,754; Dec. 4. Class 46.
Bowman, C. K., Wooster, Ohio. Rye whiskey. Serial No. 357,662; Dec. 4. Class 49.
British Drug Houses, Limited, The, London, England. Apparatus for testing animal milk. Serial No. 356,023; Dec. 4. Class 26.
Bryant Electric Company, The, Bridgeport, Conn. Electrical switches, receptacles, radio outlets, etc. Serial No. 356,656; Dec. 4. Class 21.
Buergerliches Braeuhaus Pilsen, Pilsen, Czechoslovakia. Beer. Serial No. 344,382; Dec. 4. Class 48.
California Fruit Products Co., Inc., New York, N. Y. Blending agents for whiskies and cordials. Serial Nos. 351,290–1; Dec. 4. Class 49.
Callard & Bowser Limited, London, England. Candies. Serial No. 355,793; Dec. 4. Class 46.
Case, J. I., Company, Racine, Wis. Agricultural machinery, implements, farm-operating equipment, and parts thereof. Serial No. 356,795; Dec. 4. Class 23.
Cederlund, Carl E. E., doing business as J. Cederlunds Söner, Stockholm, Sweden. Aquavit. Serial No. 351,798; Dec. 4. Class 49.
Chicago Manifold Products Co., Chicago, Ill. Multigraph and typewriter platens. Serial No. 352,469; Dec. 4. Class 23.
Circu-Trol Company. (See Sandler, Mac. C.)
City News Publishing Co., New York, N. Y. Periodical. Serial No. 357,622; Dec. 4. Class 38.
Clarice Jane Inc., Elgin, Ill. Vanity cases, compacts, and cosmetic containers. Serial No. 357,272; Dec. 4. Class 2.
Clark-Hoover, Inc., South Bend, Ind. Wave set, body deodorant, glycerine, and brilliantine. Serial No. 357,480; Dec. 4. Class 6.
Cole, David, Creamery Company, Omaha, Nebr. Butter, eggs, milk, etc. Serial No. 341,524; Dec. 4, 1934. Class 46.
Colonial Oil Company of Indiana, Inc., Fort Wayne, Ind. Gasoline, lubricating oils, lubricating greases, etc. Serial No. 353,751; Dec. 4. Class 15.
Colorado Milling & Elevator Co., The, Denver, Colo., also doing business as The Dodge City Flour Mills, Dodge City, Kans. Flour. Serial No. 354,278; Dec. 4. Class 46.
Connecticut Wine Co., Inc., New Haven, Conn. Wines. Serial No. 357,418; Dec. 4. Class 47.
Consolidated Rendering Company, Boston, Mass. Fertilizers, plant food, and agricultural chemicals. Serial No. 357,419; Dec. 4. Class 10.
Continental Car-Na-Var Corporation, Brazil, Ind. Liquid polish. Serial No. 356,931; Dec. 4. Class 16.
Crawford Manufacturing Co. Inc., Richmond, Va. Outer garments. Serial No. 356,218; Dec. 4. Class 39.
Cribari, B., & Sons, Inc., doing business as B. Cribari & Sons, San Jose, Calif. Wines. Serial No. 357,423; Dec. 4. Class 47.
Crockery City Ice & Products Co., East Liverpool, Ohio. Beer. Serial No. 356,898; Dec. 4. Class 48.
Crown Fabrics Corporation, New York, N. Y. Rayon and cotton goods. Serial No. 356,579; Dec. 4. Class 42.
Czechoslovak Music Co., New York, N. Y. Accordions, mouth organs, violins, etc. Serial Nos. 353,193–5; Dec. 4. Class 36.
D. C. Liquor Co., Inc., Washington, D. C. Whiskies. Serial Nos. 357,766–8; Dec. 4. Class 49.
Dill Company, The, Norristown, Pa. Laxative medicine. Serial Nos. 357,092–3; Dec. 4. Class 6.
Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,279; Dec. 4. Class 49.
Dodge City Flour Mills, The. (See Colorado Milling & Elevator Co.)
Dor-Lin Distributing Co., St. Louis, Mo. Whiskey. Serial Nos. 357,120–1; Dec. 4. Class 49.
Dutchland Farms, Inc., Brockton, Mass. Fresh milk. Serial Nos. 355,015–16; Dec. 4. Class 46.
Eagle Foundry Company, Belleville, Ill. Coolers for bottled and other goods. Serial No. 357,095; Dec. 4. Class 31.
Eastman Machine Company, Buffalo, N. Y. Knives for cloth-cutting machines. Serial No. 356,999; Dec. 4. Class 23.
Ebling Brewing Co., Inc., The, Brooklyn, N. Y. Malt beverages. Serial No. 354,287; Dec. 4. Class 48.
Electric Storage Battery Company, The, Philadelphia, Pa. Electric storage batteries and parts thereof. Serial No. 354,678; Dec. 4. Class 21.
Emmart Packing Co. Inc., Louisville, Ky. Bacon. Serial No. 356,799; Dec. 4. Class 46.
Engel, A. & J., Inc., New York, N. Y. Fur skins. Serial No. 357,335; Dec. 4. Class 1.
Englander, Jacob, doing business as Federal Products Co., East Orange, N. J. Whiskey, gin, rum, etc. Serial No. 357,522; Dec. 4. Class 49.
Enstam-Hunter Hair Invigorator Company, Los Angeles, Calif. Hair and scalp preparation, toilet lotion, etc. Serial No. 355,186; Dec. 4. Class 6.
Fall River Bleachery, Fall River, Mass. Cotton piece goods. Serial No. 356,834; Dec. 4. Class 42.
Fashion Park Manufacturing Corporation, Rochester, N. Y. Coats, vests, pants, etc. Serial No. 355,616; Dec. 4. Class 39.
Federal Products Co. (See Englander, Jacob.)
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 357,593; Dec. 4. Class 49.
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 357,625; Dec. 4. Class 49.
Fox River Paper Company, Appleton, Wis. Bond paper. Serial No. 357,624; Dec. 4. Class 37.
Freedman, Samuel, Corporation, The, Cincinnati, Ohio. Whiskey, brandy, gin, etc. Serial No. 355,101; Dec. 4. Class 49.
Gilbey, W. & A., Limited, London, England. Whisky. Serial No. 357,628; Dec. 4. Class 49.
Glebeas Importation Co. Inc., New York, N. Y. Cosmetics. Serial No. 355,933; Dec. 4. Class 6.
Greason, Glenn G., doing business as Greason Laboratories, Denver, Colo. Medicine. Serial No. 356,837; Dec. 4. Class 6.
Greenbros, Inc., Cincinnati, Ohio. Whiskey, gin, rum, etc. Serial No. 357,594; Dec. 4. Class 49.
Guerrero, Fausto A., Chicago, Ill. Table board games played with marbles. Serial No. 357,113; Dec. 4. Class 22.
Gum, Inc., Philadelphia, Pa. Chewing gum. Serial No. 356,933; Dec. 4. Class 46.
H. & H. Mfg. Co., Inc., The, New York, N. Y. Ribbons. Serial No. 356,350; Dec. 4. Class 42.
Haas, Wesley F., Oak Park, Ill. Medicine. Serial No. 357,372; Dec. 4. Class 6.
Hancock Paint & Varnish Co., North Quincy, Mass. Paints and paint enamels. Serial No. 357,337; Dec. 4. Class 16.
Handknit Yarns Company, Brooklyn, N. Y. Woolen yarn. Serial No. 356,305; Dec. 4. Class 43.
Hasterlik, R., Liquor Co., Chicago, Ill. Alcoholic cocktails. Serial No. 357,437; Dec. 4. Class 49.
Hawaiian Canneries Company, Ltd., Kapaa, Hawaii. Maltless fruit juices. Serial No. 355,937; Dec. 4. Class 45.
Healthaids, Inc., New York, N. Y. Food auxiliary and constipation corrective. Serial No. 357,438; Dec. 4. Class 6.
Heil Co., The, Milwaukee, Wis. Boilers and furnaces and oil burners. Serial No. 356,880; Dec. 4. Class 34.
Heveatex Corporation, Melrose, Mass. Rubber latices. Serial No. 356,664; Dec. 4. Class 1.
Highspire Distillery Company, Highspire, Pa. Pure rye whisky. Serial No. 357,695; Dec. 4. Class 49.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. Serial No. 354,508; Dec. 4. Class 36.
Hooker Glass & Paint Mfg. Co., Chicago, Ill. Glass cleaning preparation. Serial No. 356,768; Dec. 4. Class 4.
Hull Brewing Company, The, New Haven, Conn. Beer, ale, porter, etc. Serial No. 357,555; Dec. 4. Class 48.
International Extract Co. (See Paul, Milton.)
Johnson, S. C., & Son, Inc., Racine, Wis. Sheets of fabric having on one side a coating of glue. Serial No. 356,521; Dec. 4. Class 5.
Josselson Bros., Inc., Ashland, Ky. Whiskey, gin, rum, etc. Serial No. 357,732; Dec. 4. Class 49.
Jünger & Gebhardt A. G., Berlin, Germany. Eau de cologne, perfumery, ethereal oils, etc. Serial No. 353,658; Dec. 4. Class 6.
Kaempfer, Fred W., doing business as Kaempfer's, Chicago, Ill. Bird food. Serial No. 356,809; Dec. 4. Class 46.
Kaufman and Kaufman, Inc., New York, N. Y. Egg noodles. Serial No. 351,811; Dec. 4. Class 46.
Keleher, A. H., Co., Inc., New York, N. Y. Radio tubes. Serial No. 357,330; Dec. 4. Class 21.
Klenzler Distilling Corporation, New York, N. Y. Whiskey. Serial No. 357,596; Dec. 4. Class 49.
Kip, Robert C., doing business as Pictrebor Chemical Co., Bellport, N. Y. Chemical wood preservative. Serial No. 356,565; Dec. 4. Class 6.
Kompensl Laboratory, The. (See Radiscvich, Moysea.)
Linen Thread Co., Inc., The, New York, N. Y. Netting threads and yarns. Serial No. 355,364; Dec. 4. Class 43.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,290; Dec. 4. Class 49.
Longi, Edward, New York, N. Y. Soap washing powder. Serial No. 356,728; Dec. 4. Class 4.
Loucks, B. M., doing business as The Zoff Company, St. Joseph, Mo. Soap. Serial No. 356,789; Dec. 4. Class 4.
Marque's Products Corporation, New York, N. Y. Sauce dressing. Serial No. 357,303; Dec. 4. Class 46.
McGee, Joseph W., New York, N. Y. Shoes. Serial No. 356,356; Dec. 4. Class 39.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Colloidal preparation. Serial No. 356,262; Dec. 4. Class 6.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Wines. Serial No. 357,441; Dec. 4. Class 47.
McLeslie, James, Inc., Chicago, Ill. Preparation for curing meat products. Serial No. 356,261; Dec. 4. Class 46.
McWilliams Manufacturing Company, Tipton, Ind. Insecticide. Serial No. 357,103; Dec. 4. Class 6.
Milmar Shops, Inc., New York, N. Y. Women's silk hosiery. Serial No. 352,323; Dec. 4. Class 39.
Minneapolis Knitting Works, Minneapolis, Minn. Underwear. Serial Nos. 356,450–1; Dec. 4. Class 39.
Mission Dry Corporation, Los Angeles, Calif., and New York, N. Y. Gin and whiskey. Serial No. 357,642; Dec. 4. Class 49.
Monarch Wine Co. (See Applebaum, Rebecca.)
Montague, Joseph F., New York, N. Y. Column of a newspaper or magazine and for booklets. Serial No. 354,688; Dec. 4. Class 38.
Moore Corporation, The, Joliet, Ill. Gas stove and ranges. Serial No. 343,567; Dec. 4. Class 34.
Morrison, Louis, New York, N. Y. Cigarette and cigar holders, pipes, and cigarette cases. Serial No. 355,366; Dec. 4. Class 8.
Moss, J. M., Granite City, Ill. Reheating barbecue sauce. Serial No. 347,082; Dec. 4. Class 46.
Multigraph Company, Wilmington, Del., and Cleveland, Ohio. Planographic plates. Serial No. 357,499; Dec. 4. Class 50.
Naaldenfabrieken "Hollandia" N. V., Kerkrade, Netherlands. Sewing-machine needles. Serial No. 356,488; Dec. 4. Class 23.
Naylee Chemical Company, Philadelphia, Pa. Liquid cleaning and washing compound used as a germicide, bleach, etc. Serial No. 357,179; Dec. 4. Class 6.
Newell Mfg. Co., Inc., The, Ogdensburg, N. Y. Metal curtain rods. Serial No. 357,467; Dec. 4. Class 13.
New England Distillers, Incorporated, Clinton, Mass. Rum. Serial No. 357,468; Dec. 4. Class 49.
New England Distilling Company, The, Covington, Ky. Rum, whiskey, gin, etc. Serial Nos. 357,598–9; Dec. 4. Class 49.
New England Distilling Company, The, Covington, Ky. Rum, whiskey, gin, etc. Serial Nos. 357,643–5; Dec. 4. Class 49.
New England Distilling Company, The, Covington, Ky. Whiskey, gin, rum, etc. Serial Nos. 357,738–9; Dec. 4. Class 49.
Nicocin Limited, London, England. Confection. Serial No. 348,715; Dec. 4. Class 6.
Norma-Hoffmann Bearings Corporation, Stamford, Conn. Precision needle roller bearings. Serial No. 356,422; Dec. 4. Class 23.
Old Monastery Co., Inc., The, Rheims, N. Y. Wines. Serial No. 357,501; Dec. 4. Class 47.
Overbrook Co., Inc., The, Baltimore, Md. Whiskey, gin, rum, etc. Serial No. 355,033; Dec. 4. Class 49.
Packwell Corporation, The, Oakland, Calif. Canned fruits and vegetables. Serial No. 355,974; Dec. 4. Class 46.
Palewonsky, Isaac, doing business as A. H. Riise, St. Thomas, Virgin Islands. Rum. Serial Nos. 357,209–10; Dec. 4. Class 49.
Paper Makers Chemical Corporation, Wilmington, Del. Rosin size, satin white, sulphonated castor oil, etc. Serial No. 356,151; Dec. 4. Class 6.
Paper Makers Chemical Corporation, Wilmington, Del. Soap flakes or chips, alkalis, etc. Serial No. 356,533; Dec. 4. Class 4.
Paragon Distributing Corp., New York, N. Y. Shampoo tint. Serial No. 356,909; Dec. 4. Class 6.
Parfums Corday, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. Serial No. 356,963; Dec. 4. Class 6.
Parker-Kalon Corporation, New York, N. Y. Screws, drive pins, nails, etc. Serial No. 357,347; Dec. 4. Class 13.
Parsons, Donzie R., Huntington, W. Va. Medicinal preparation. Serial No. 356,542; Dec. 4. Class 6.
Pasadena Products Co., Pasadena, Calif. Tablets for head colds, headache, neuralgia, etc. Serial No. 356,740; Dec. 4. Class 6.
Patrick, Manning, doing business as Manning Patrick's Distillery, East Brunswick Township, N. J. Cider brandy. Serial No. 351,744; Dec. 4. Class 49.
Paul, Milton, doing business as International Extract Co., New York, N. Y. Extracts. Serial No. 295,757; Dec. 4. Class 46.
Pender, David, Grocery Co., Norfolk, Va. Floor wax and polish. Serial No. 357,646; Dec. 4. Class 16.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Pajamas, gowns, and underwear. Serial No. 356,318; Dec. 4. Class 39.
Peri-Lusta, Limited, Leek, England. Yarn. Serial No. 351,329; Dec. 4. Class 43.
Pictrebor Chemical Co. (See Kip, Robert C.)
Pioneer Suspender Company, Philadelphia, Pa. Suspenders, garters, arm bands, and belts. Serial No. 340,236; Dec. 4. Class 39.
Pommalic Laboratories, Inc., Los Angeles, Calif. Colloidal biochemical product. Serial No. 348,833; Dec. 4. Class 6.
Porter Screen Company, Winooski, Vt. Window ventilators. Serial No. 356,636; Dec. 4. Class 34.
Przyjemski, Stanley J., doing business as Przymemski and Przyjemski, Dickson City, Pa. Medicinal salve. Serial No. 357,023; Dec. 4. Class 6.
Pure Candy Company. (See Redner, James A.)
Radiscvich, Moysea, doing business as The Kompensl Laboratory, Lackawanna, N. Y. Laxatives. Serial No. 356,741; Dec. 4. Class 6.
Radner, James A., doing business as Pure Candy Company, Battle Creek, Mich. Candy. Serial No. 356,855; Dec. 4. Class 46.
Reid, Wright & Holloway (Distillers), Limited, London, England. Gin. Serial No. 357,507; Dec. 4. Class 49.
Renner Company, The, Youngstown, Ohio. Beer. Serial No. 357,601; Dec. 4. Class 48.
Riise, A. H. (See Palewonsky, Isaac.)
Riviera Chemical Products Co., New York, N. Y. Preparation of medicine. Serial No. 355,637; Dec. 4. Class 6.
Roebling's, John A., Sons Company, Trenton, N. J. Welding rods. Serial No. 356,819; Dec. 4. Class 14.
Ruppert, Jacob, New York, N. Y. Beer. Serial No. 357,447; Dec. 4. Class 48.
Samson-United Corporation, Rochester, N. Y. Electric waffle irons and sandwich toasters. Serial No. 349,899; Dec. 4. Class 21.
Sandler, Mac C., doing business as Circu-Trol Company, Los Angeles, Calif. Pharmaceutical preparation. Serial No. 354,949; Dec. 4. Class 6.
San-Nap-Pak Mfg. Co. Inc., New York, N. Y. Cleansing tissue. Serial No. 357,509; Dec. 4. Class 37.
Schein Brothers, Inc., New York, N. Y. Jewelry. Serial No. 356,157; Dec. 4. Class 28.
Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Preparation for the relief of epidermophytosis, gym foot, etc. Serial No. 357,448; Dec. 4. Class 6.
Schuckl & Co., Inc., San Francisco, Calif. Canned fruits. Serial No. 356,643; Dec. 4. Class 46.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey. Serial No. 357,604; Dec. 4. Class 49.
Seattle Tent & Awning Co., Seattle, Wash. Sleeping bag. Serial No. 355,903; Dec. 4. Class 39.
Segal, Hyman R., New York, N. Y. Empty compacts and cosmetic receptacles. Serial No. 354,953; Dec. 4. Class 2.
Selected Kentucky Distillers, Louisville, Ky. Whiskey. Serial No. 357,683; Dec. 4. Class 49.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antacid and corrective for digestive disturbances. Serial No. 356,676; Dec. 4. Class 6.
Sirian Lamp Company, Newark, N. J. Electrical incandescent lamps. Serial No. 329,489; Dec. 4. Class 21.
Small's Sales Service, Inc., Warren, R. I. Light indicators. Serial No. 354,180; Dec. 4. Class 19.
Smith Laboratories, Chicago, Ill. Eyewash. Serial No. 348,414; Dec. 4. Class 6.

Smith, S. Morgan Company, York, Pa. Valves used in pipe-line installations. Serial No. 355,123; Dec. 4. Class 13.
Societa Anonima Fratelli Branca, Milan, Italy. Stomach bitters. Serial No. 343,797; Dec. 4. Class 6.
Sontag Chain Stores Co. Ltd., Los Angeles, Calif. Whiskey. Serial No. 357,752; Dec. 4. Class 49.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils, filter aids, etc. Serial No. 351,527; Dec. 4. Class 15.
Standard Sales Corporation, San Francisco, Calif. Tomato sauce. Serial No. 357,512; Dec. 4. Class 46.
Stearns, R. H., Company, Boston, Mass. Wearing apparel for women. Serial No. 355,239; Dec. 4. Class 39.
Stevens, Ernest J., Chicago, Ill. Wines. Serial No. 357,575; Dec. 4. Class 47.
Stevenson-Mairs Company, Baltimore, Md. Canned foods. Serial No. 353,488; Dec. 4. Class 46.
Straus, Royer & Strass, Inc., Baltimore, Md. Dresses. Serial No. 341,265; Dec. 4. Class 39.
Sullivan, James J., Boston, Mass. Gin, whiskey, and brandy. Serial No. 357,688; Dec. 4. Class 49.
Supreme Pharmaceutical Company. (See Blackman, Julius, Inc.)
Swiss Radium & Dial Painting Co., Inc., The, New York, N. Y. Watch cases and dials and movements thereof. Serial No. 357,514; Dec. 4. Class 27.
Thompson-Ehlers Company, Chicago, Ill. Tanned sole leather. Serial No. 357,310; Dec. 4. Class 1.
Tonkin Distributing Co., San Francisco, Calif. Alcoholic cocktails. Serial No. 357,156; Dec. 4. Class 49.
Trautman, August, Brooklyn, N. Y. Astringent cerates, bleach and beauty creams, etc. Serial No. 356,785; Dec. 4. Class 6.
Triner, Joseph, Co., Chicago, Ill. Anise liqueur. Serial No. 351,886; Dec. 4. Class 49.
Union-May Stern Co., St. Louis, Mo. Furniture. Serial No. 356,651; Dec. 4. Class 32.
United Drug Company, Boston, Mass. Medicinal oil. Serial No. 356,748; Dec. 4. Class 6.
Van Camp Sea Food Co. Inc., Terminal Island, Calif. Canned fish. Serial No. 345,086; Dec. 4. Class 46.
Vandré, Limited, Glasgow, Scotland. Medicated preparations. Serial No. 356,824; Dec. 4. Class 6.
Victorius, M. L., & Co., Inc., New York, N. Y. Hosiery. Serial No. 342,245; Dec. 4. Class 39.
Vitab Products, Inc., New York, N. Y. Bread. Serial No. 357,263; Dec. 4. Class 46.
Vonsen, M., Co., Petaluma, Calif. Insecticide, vermicides, germicides. Serial No. 357,401; Dec. 4. Class 6.
W-B Chemical Company, Inc., New York, N. Y. Composition for use as an insecticide and fungicide. Serial No. 356,976; Dec. 4. Class 6.
Wackman Welded Ware Company, St. Louis, Mo. Caps for covering and/or sealing closure structures. Serial No. 341,615; Dec. 4. Class 50.
Walde, Harry R., doing business as Walde's Wonder Salve, Waverly, Fla. Salve. Serial No. 351,668; Dec. 4. Class 6.
Warre & Companhia, Vila Nova de Gaya, Portugal. Port wine. Serial No. 356,928; Dec. 4. Class 47.
Wehle Brewing Company, The, West Haven, Conn. Beer, ale, and stout. Serial No. 357,516; Dec. 4. Class 48.
Wells-Gardner & Company, Chicago, Ill. Radio receiving sets and accessories. Serial No. 356,607; Dec. 4. Class 21.
Williamson Candy Company, Chicago, Ill. Peanut butter. Serial No. 356,788; Dec. 4. Class 46.
World Wide Baraca and Philathea Union, Washington, D. C. Books, pamphlets, and periodicals. Serial No. 356,135; Dec. 4. Class 38.
Zem-Zem Corporation, New York, N. Y. Shampoo and wave-set. Serial No. 356,751; Dec. 4. Class 6.
Zoff Company, The. (See Loucks, B. M.)

LIST OF REGISTRANTS OF TRADE-MARKS

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Medical compounds. 43,628; renewed Nov. 1, 1934.
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Dyes and chemical preparations for dyeing purposes. 43,705; renewed Nov. 15, 1934.
Adams & Elting Co., The, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Paint and varnish remover. 43,811; renewed Dec. 6, 1934.
Ainslie & Heilbron (Distillers) Limited, Glasgow, Scotland. Whisky. 319,780; Dec. 4; Serial No. 352,063; published Sept. 25, 1934. Class 49.
Allen, Bunce, Inc., New York, N. Y. Gin. 319,759; Dec. 4; Serial No. 355,005; published Sept. 25, 1934. Class 49.
Allied Wines. (See Pellenberg, Isidore.)
Aluminum Castings Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Aluminum castings. 100,741; renewed Oct. 27, 1934.
Amendt Milling Co., Monroe, Ida, and Petersburg, Mich., and Delta, Ohio, assignor to Amendt Milling Company, Inc., Monroe, Mich. Wheat-flour. 101,498; renewed Dec. 22, 1934.
American Chemical Paint Company, Lower Gwynedd, Pa. Chemical inhibitor. 319,674; Dec. 4; Serial No. 354,363; published Sept. 18, 1934. Class 6.
American Lead Pencil Company, New York, N. Y. Pencils. 44,184; renewed Feb. 14, 1935.
American Lead Pencil Company, New York, N. Y. Rubber erasers. 101,614; renewed Jan. 5, 1935.
American Maize-Products Company, New York, N. Y. Syrup. 319,838; Dec. 4; Serial No. 352,308; published Oct. 2, 1934. Class 46.
American Medicinal Spirits Company, The, Louisville, Ky. Whiskey. 319,676; Dec. 4; Serial No. 342,330; published Dec. 19, 1933. Class 49.
American Medicinal Spirits Company, The, Louisville, Ky., assignor to Penn-Maryland, Inc., New York, N. Y. Whiskey. 319,746; Dec. 4; Serial No. 342,564; published Dec. 5, 1933. Class 49.
Amerith Incorporated, Newark, N. J. Dresser and bag toilet sets. 319,725; Dec. 4; Serial No. 354,283; published Sept. 25, 1934. Class 40.
Animal Foods Company, doing business as Hi-Test Products Co., San Jose, Calif. Canned dog and cat food. 319,763; Dec. 4; Serial No. 354,884; published Sept. 25, 1934. Class 46.
Ansonia O & C Company, The, Ansonia, Conn. Buckles for hose supporters, suspenders, and the like. 319,705; Dec. 4; Serial No. 352,744; published Sept. 25, 1934. Class 40.
Anthony Salt Company, The, Anthony and Kansas City, Kans. Table salt. 319,624; Dec. 4; Serial No. 349,704; published Oct. 2, 1934. Class 46.
Art Ivory, Incorporated, Newark, N. J. Dresser and bag toilet sets. 319,726–7; Dec. 4; Serial Nos. 354,234–5; published Sept. 25, 1934. Class 40.
Atlantic Refining Company, The, Philadelphia, Pa. Petroleum waxes. 319,665–7; Dec. 4; Serial Nos. 354,555–7; published Sept. 25, 1934. Class 15.
Atwood, Frederick E., Boston, Mass. Magazine. 319,743; Dec. 4; Serial No. 343,381; published Dec. 19, 1933. Class 38.
Baker, Lonnie G., Mineral Wells, Tex. Chocolate-covered frozen cream bar. 319,718; Dec. 4; Serial No. 353,745; published Sept. 25, 1934. Class 46.
Baker, Spofford A., Charlotte, N. C. Hair and scalp tonic. 319,711; Dec. 4; Serial No. 353,967; published Sept. 25, 1934. Class 6.
Baumann, Ludwig & Company, New York, N. Y. Mattresses, bed springs, etc. 319,811; Dec. 4; Serial No. 352,088; published Sept. 25, 1934. Class 32.
Benns, George H. (See Conklin, E. W., & Son, Inc., assignor.)
Beckel, Wilhelm, Mainz, Germany. Wines. 319,823; Dec. 4; Serial No. 352,465; published Sept. 25, 1934. Class 47.
Belfanti, Serafino, Milan, Italy. Medicines. 44,056; renewed Jan. 24, 1935.
Benal Hosiery Company, Inc., New York, N. Y. Hosiery. 319,616; Dec. 4; Serial No. 354,741; published Sept. 25, 1934. Class 39.
Bender, Emil, Kaiserslautern, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Bandages. 100,947; renewed Nov. 3, 1934.
Berard, William E. and Theresa I., Lowell, Mass. Whiskey, gin, rum, etc. 319,664; Dec. 4; Serial No. 354,558; published Sept. 25, 1934. Class 49.
Berck Neckwear Company, Los Angeles, Calif. Necktles. 319,774; Dec. 4; Serial No. 351,343; published Sept. 25, 1934. Class 39.
Bisquit, Martial A. G. E. L., doing business as Bisquit Dubouche & Co., Laporte Bisquit & Co., successeurs, Jarnac-Cognac, France. Brandies. 319,644; Dec. 4; Serial No. 352,866; published Oct. 2, 1934. Class 49.
Bjelland, Chr., & Co., Inc., New York, N. Y. Canned sardines. 102,030; renewed Jan. 26, 1935.
Bjelland, Chr., & Co., Inc., New York, N. Y. Canned sardines. 102,360; renewed Feb. 9, 1935.
Bjelland, Chr., & Co., Inc., New York, N. Y. Canned sardines. 103,084–6; renewed Mar. 16, 1935.
Bjelland, Chr., & Co., Inc., New York, N. Y. Canned herrings in tomato sauce. 103,087; renewed Mar. 16, 1935.
Bjelland, Chr., & Co., Inc., New York, N. Y. Canned sardines. 103,088; renewed Mar. 16, 1935.

Bjelland, Chr., & Co., Inc., New York, N. Y. Canned sardines. 103,745–6; renewed Apr. 13, 1935.
Blum, Philip, & Co., Inc., Chicago, Ill. Corn whiskey. 319,852; Dec. 4; Serial No. 355,347; published Sept. 25, 1934. Class 49.
Bonnie Fide Undergarment Co. Inc., New York, N. Y. Slips, petticoats, gowns, etc. 319,819; Dec. 4; Serial No. 352,309; published Sept. 18, 1934. Class 39.
Boss Manufacturing Company. The. Kewanee, Ill. Gloves. 103,720–2; renewed Apr. 13, 1935.
Braeutigam, Henry D., doing business as Mutual Service, Newark, N. J. Baking powder, pudding powder, drinks, extracts, etc. 319,690; Dec. 4; Serial No. 345,853; published Sept. 25, 1934. Class 46.
Brock, Benjamin, Buffalo, N. Y. Tooth powder. 319,622; Dec. 4; Serial No. 349,769; published Sept. 25, 1934. Class 6.
Brown-Forman Distillery Company, Louisville, Ky. Whiskey, brandy, gin, etc. 319,757; Dec. 4; Serial No. 354,976; published Sept. 25, 1934. Class 49.
Burroughs, Wellcome & Co., London, England, assignor, by mesne assignments, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal fluid extracts. 11,863; re-renewed Jan. 20, 1935.
Buxton Products, Inc., New York, N. Y. Inks, silk screen process colors, etc. 319,793; Dec. 4; Serial No. 355,120; published Oct. 2, 1934. Class 11.
California Importing Company, Los Angeles, Calif. Wines. 319,714; Dec. 4; Serial No. 353,912; published Sept. 25, 1934. Class 47.
California Orange Products Laboratories, Ltd., Hawthorne, Calif. Whiskey, brandy, gin, etc. 319,728–9; Dec. 4; Serial Nos. 354,241–2; published Sept. 25, 1934. Class 47.
Campbell, Noel H. M., Jamaica, N. Y. Student's science set. 319,687; Dec. 4; Serial No. 346,390; published Sept. 25, 1934. Class 26.
Camphausen, Paul Wilhelm, Steglitz, near Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Medicinal preparations. 101,034; renewed Nov. 10, 1934.
Cando Corporation, The, Cambridge, Mass. Deodorizers. 319,736; Dec. 4; Serial No. 354,344; published Sept. 25, 1934. Class 6.
Capitol Distributors Corporation, New York, N. Y. Whiskey, brandy, gin, etc. 319,834; Dec. 4; Serial No. 355,350; published Sept. 25, 1934. Class 49.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Anti-freeze compounds. 319,794; Dec. 4; Serial No. 354,838; published Sept. 25, 1934. Class 6.
Central Converting Company. (See Rivera, Nicanor P.)
Chattanooga Drug & Chemical Company. (See Yozo Co.)
Chemical Foundation, Incorporated. The. (See Actien-Gesellschaft für Anilin-Fabrikation, assignor.)
Chemical Foundation, Incorporated, The. (See Bender, Emil, assignor.)
Chemical Foundation, Incorporated, The. (See Camphausen, Paul W., assignor.)
Chemical Foundation, Incorporated, The. (See Die Altstädtische Optische Industrie-Anstalt Nitsche & Günther, assignor.)
Chemical Foundation, Incorporated, The. (See Hefefabrik Emmerthal, Gesellschaft mit beschränkter Haftung.)
Chemical Foundation, Incorporated, The. (See Kalle & Co., assignor.)
Chemical Foundation, Incorporated, The. (See Kalle & Co., Aktiengesellschaft, assignor.)
Chemical Foundation, Incorporated, The. (See Levy-Roth G. m. b. H., assignor.)
Chemical Foundation, Incorporated, The. (See Serum Laboratorium Ruete-Enoch, assignor.)
Chemical Foundation, Incorporated, The. (See Schmincke, H., & Co., assignor.)
Chesapeake Distilling and Distributing Company, The, Baltimore, Md. Gin and whiskey. 319,749; Dec. 4; Serial No. 354,922; published Sept. 25, 1934. Class 49.
Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey and gin. 319,795; Dec. 4; Serial No. 354,839; published Sept. 25, 1934. Class 49.
Club Cheese Co., The. (See Schmidt, Anthony.)
Coffeepak Company, Inc., New York, N. Y. Coffee. 319,872; Dec. 4. Class 46.
Colgate-Palmolive-Peet Company. (See Johnson, B. J., Soap Company, assignor.)
Collins, Tom, Corporation, The, Cincinnati, Ohio. Alcoholic mint julep. 319,663; Dec. 4; Serial No. 354,561; published Oct. 2, 1934. Class 49.
Collins, Tom, Corporation, The, Cincinnati, Ohio. Whiskey highballs. 319,737; Dec. 4; Serial No. 354,348; published Oct. 2, 1934. Class 49.
Columbus Dental Manufacturing Co., The, Columbus, Ohio. Rugae-molds. 103,417; renewed Apr. 6, 1935.
Columbus Dental Manufacturing Co., The, Columbus, Ga. Artificial teeth and teeth-facings. 100,277; renewed Oct. 20, 1934.
Compagnie Financière Belge des Pétroles Société Anonyme, Antwerp, Belgium. Oil made from petroleum and lubricating greases. 319,685; Dec. 4; Serial No. 346,951; published Sept. 25, 1934. Class 15.
Compagnie Générale des Établissements Pathé Frères, Phonographe et Cinématographe, by change of name to Pathe-Cinema, Anciens Etablissements Pathe Freres, Paris, France. Scientific appliances and supplies therefor. 99,281; renewed Aug. 25, 1934.
Compagnie Generale des Vins Mousseux de Saumur, Maison Ackerman-Laurance, St. Hilaire-St. Florent, France, by change of name to Maison Ackerman-Laurance Societe Anonyme, St. Hilaire-St. Florent, (Maine & Loire), France. Sparkling wines. 102,376; renewed Feb. 9, 1935.
Conklin, E. W., & Son, Inc., Binghamton, N. Y., assignor, by mesne assignments, to George H. Beans, Jenkintown, Pa. Grass, field, and agricultural seeds. 101,367; renewed Dec. 8, 1934.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 319,611; Dec. 4; Serial No. 355,177; published Oct. 2, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 319,858; Dec. 4; Serial No. 355,182; published Oct. 2, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 319,859–61; Dec. 4; Serial Nos. 355,178–80; published Oct. 2, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 319,862–3; Dec. 4; Serial Nos. 355,175–6; published Oct. 2, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 319,864; Dec. 4; Serial No. 355,169; published Oct. 2, 1934. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 319,867–8; Dec. 4; Serial Nos. 355,167–8; published Oct. 2, 1934. Class 49.
Continental Liquors. (See Harris, Maurice E.)
Continental Pure Products Co., The. (See Polefsky, Jacob S.)
Cora, G. & L. Fill, Turin, Italy. Wines. 319,779; Dec. 4; Serial No. 352,069; published Sept. 25, 1934. Class 47.
Costello, Edward G. (See Westmoreland Chemical and Color Company, The, assignor.)
Cox, Chas. M., Co., assignor, by mesne assignments, to New England Grain Products Co., Boston, Mass. Poultry and stock feeds. 100,284; renewed Oct. 20, 1934.
Cox, Chas. M., Co., assignor, by mesne assignments, to New England Grain Products Co., Boston, Mass. Poultry feeds. 100,516; renewed Oct. 20, 1934.
Crane, John J., doing business as Cravon Company, New York, N. Y. Ingredient in powder form used in brewing beer. 319,842; Dec. 4; Serial No. 355,510; published Oct. 2, 1934. Class 48.
Cravon Company. (See Crane, John J.)
Crawford Manufacturing Co., Inc., Richmond, Va. Slip-covers. 319,882; Dec. 4. Class 32.
Crystal Corporation, New York, N. Y. Face powders, rouges, creams, etc. 319,740; Dec. 4; Serial No. 344,842; published Sept. 18, 1934. Class 6.
David, John, New York, N. Y. Gin and whisky. 319,773; Dec. 4; Serial No. 351,396; published Oct. 2, 1934. Class 49.
Davies, William, Co., Inc., Chicago, Ill. Bacon and hams. 319,789; Dec. 4; Serial No. 355,057; published Oct. 2, 1934. Class 46.
Delorge, Ed., Baking and Ice Cream Co., Inc., Biddeford, Maine, assignor to Quality Bakers of America, Inc., New York, N. Y. Bread, rolls, cake, etc. 319,820; Dec. 4; Serial No. 352,314; published Oct. 2, 1934. Class 46.
Die Altstädtische Optische Industrie-Anstalt Nitsche & Günther, Rathenow, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Measuring and scientific appliances. 100,962–3; renewed Nov. 3, 1934.
Dubonnet Wine Corporation, New York, N. Y. Wines. 319,695; Dec. 4; Serial No. 353,710; published Sept. 25, 1934. Class 47.
Duplex Printing Press Co., Battle Creek, Mich. Rotary printing presses and parts thereof. 319,768; Dec. 4; Serial No. 351,973; published Sept. 25, 1934. Class 23.
Dutchess County Cider Corp., Poughkeepsie, N. Y. Applejack brandy. 319,750; Dec. 4; Serial No. 354,925; published Sept. 25, 1934. Class 49.
Du-Tone Ribbon Corporation, New York, N. Y. Ribbons of cellulose. 319,758; Dec. 4; Serial No. 354,983; published Oct. 2, 1934. Class 50.
Elder Manufacturing Company, St. Louis, Mo. Wearing apparel. 319,613; Dec. 4; Serial No. 354,194; published Sept. 25, 1934. Class 39.
Elmo, Inc., Philadelphia, Pa. Face powders and make-up lotions. 319,813; Dec. 4; Serial No. 352,067; published Sept. 25, 1934. Class 6.
Elte Laboratories. (See Tubin, Lillian S.)
Engelman Gardens Products Marketing Association, St. Louis, Mo., and Elsa, Tex. Fresh citrus fruits. 319,703–4; Dec. 4; Serial Nos. 354,434–5; published Sept. 25, 1934. Class 46.
Englander, Jacob, doing business as Federal Products Co., Newark, N. J. Gin. 319,812; Dec. 4; Serial No. 352,072; published Oct. 2, 1934. Class 49.
Esmond Mills, The, Esmond, R. I., to The Esmond Mills, New York, N. Y. Textile fabrics. 103,614; renewed Apr. 6, 1935.
Etablissements Léon Rigault, Societe Anonyme, Beaune, France. Wines. 319,874–6; Dec. 4. Class 47.
Etablissements Léon Rigault, Societe Anonyme, Beaune, France. Wines. 319,878; Dec. 4. Class 47.
Etablissements Léon Rigault, Societe Anonyme, doing business as Union Vinicole Beaunoise, Beaune, France. Wines. 319,879; Dec. 4. Class 47.

Faber, A. W., Stein, near Nuremberg, Germany, assignor to A. W. Faber, Inc., Newark, N. J. Pencils, rubber erasers, and penholders. 100,302; renewed Oct. 20, 1934.
Faulkner, Thomas K., Springfield, Mo. Candy. 319,717; Dec. 4; Serial No. 353,798; published Oct. 2, 1934. Class 46.
Fausz, Charles, jr., doing business as Charles Fausz Jr. & Co., Newport, Ky. Whiskey, gin, rum, etc. 319,832; Dec. 4; Serial No. 355,306; published Sept. 25, 1934. Class 49.
Feazel, Forest P., Indianapolis, Ind. Preparations for the treatment of cancers. 319,781; Dec. 4; Serial No. 353,631; published Sept. 25, 1934. Class 6.
Federal Products Co. (See Englander, Jacob.)
Ferrandiz, Marcial S., Alicante, Spain. Vermouth. 319,700; Dec. 4; Serial No. 353,509; published Sept. 25, 1934. Class 47.
Fleet-Wing Corporation, Cleveland, Ohio. Insecticides, insect sprays, and cattle sprays. 319,653; Dec. 4; Serial No. 354,151; published Sept. 25, 1934. Class 6.
Fleet-Wing Corporation, Cleveland, Ohio. Gasoline, lubricating oils, and greases. 319,772; Dec. 4; Serial No. 351,500; published Sept. 25, 1934. Class 15.
Flidden Company, The. (See Adams & Elting Co., The, assignor.)
Forstrem, Jeanne, Paris, France. Perfume, toilet water, bath salts, etc. 319,619; Dec. 4; Serial No. 350,795; published Sept. 18, 1934. Class 6.
France Packing Company, Philadelphia, Pa. Packings for use on engines and compressors. 319,877; Dec. 4. Class 35.
Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 319,856; Dec. 4; Serial No. 355,253; published Sept. 25, 1934. Class 49.
Freedman, Samuel, Corporation, The, Cincinnati, Ohio. Whiskey, gin, rum, etc. 319,855; Dec. 4; Serial No. 355,257; published Sept. 25, 1934. Class 49.
Ford, I. (See Oakglen Apple Growers' Association.)
Gantner & Mattern Co., San Francisco, Calif. Swimming suits, sun suits, etc. 319,620; Dec. 4; Serial No. 350,241; published Sept. 18, 1934. Class 39.
General Drug Company, New York, N. Y. Analgesic. 319,673; Dec. 4; Serial No. 354,374; published Sept. 25, 1934. Class 6.
General Electric Company, Schenectady, N. Y. Electric lamp sockets, switches, fuses, etc. 319,639; Dec. 4; Serial No. 352,727; published Sept. 25, 1934. Class 21.
General Electric Company, Schenectady, N. Y. Gas and oil burning furnaces. 319,640; Dec. 4; Serial No. 352,735; published Sept. 25, 1934. Class 34.
General Electric Company, Schenectady, N. Y. Clocks. 319,641; Dec. 4; Serial No. 352,733; published Oct. 2, 1934. Class 27.
General Electric Company, Schenectady, N. Y. Electric transformers, circuit controllers, switches, etc. 319,642; Dec. 4; Serial No. 352,736; published Sept. 25, 1934. Class 21.
Gerstendorfer Bros., by change of name to Sapolin Co. Inc., New York, N. Y. Enamels. 44,341; renewed Mar. 21, 1935.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. Hardware supplies. 103,059; renewed Mar. 16, 1935.
Goodier, Elwood J., doing business as Universal Laboratories, Dallas, Tex. Antiseptic powder. 319,654; Dec. 4; Serial No. 354,154; published Sept. 25, 1934. Class 6.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber packing for machinery. 102,402; renewed Feb. 9, 1935.
Gorham Manufacturing Co., Providence, to Gorham Manufacturing Company, Elmwood, R. I. Silver-polish. 101,446; renewed Dec. 15, 1934.
Grady-Travers Company, Incorporated, The, New York, N. Y. Cotton, fibre, and manila cord, rope and twine. 319,632; Dec. 4; Serial No. 354,795; published Oct. 2, 1934. Class 7.
Grady-Travers Company, Incorporated, The, New York, N. Y. Cord, rope, and twine. 319,633; Dec. 4; Serial No. 354,796; published Oct. 2, 1934. Class 7.
Graff, George B., Company, Boston, assignor to George B. Graff Company, Cambridge, Mass. Metallic pens, file-signals, index-tabs, etc. 103,233; renewed Mar. 23, 1935.
Grafinoyl Co., The, Bloomington, Ill. Colloidal graphited oil. 319,822; Dec. 4; Serial No. 352,461; published Sept. 25, 1934. Class 15.
Grant, William S. P., doing business as Thomas Grant & Sons, Maidstone, England. Creme de menthe. 319,817; Dec. 4; Serial No. 354,612; published Sept. 25, 1934. Class 49.
Great American Knitting Mills, Inc., Bechtelsville, Pa. Men's socks. 319,669; Dec. 4; Serial No. 354,441; published Sept. 25, 1934. Class 39.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Cocoa and salad dressing. 319,630; Dec. 4; Serial No. 354,798; published Sept. 25, 1934. Class 46.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Candy. 319,631; Dec. 4; Serial No. 354,797; published Sept. 25, 1934. Class 46.
Great Lite Laboratory, The. (See Mychuda, George.)
Gum-Num Company. (See Liss, Michael.)
H. W. Johns-Manville Co., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Rubber belting, rubber-fabric, and metallic hose, etc. 101,467; renewed Dec. 15, 1934.
H. W. Johns-Manville Co., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Electrical apparatus and supplies. 101,581; renewed Dec. 29, 1934.
Halper, Victor, doing business as Remogland Chemical Company, New York, N. Y. Preparation for treatment of obesity. 319,721; Dec. 4; Serial No. 354,086; published Sept. 18, 1934. Class 6.
Harlick Bag Co., The, South Norwalk, Conn. Ladies' handbags and pocketbooks. 319,637; Dec. 4; Serial No. 353,647; published Oct. 2, 1934. Class 3.
Harris, Maurice E., doing business as Continental Liquors, Los Angeles, Calif. Gin, whiskey, cognac, etc. 319,764; Dec. 4.; Serial No. 354,897; published Sept. 25, 1934. Class 49.
Haslauer, Adolf. (See Till, Anton & Adolf Haslauer.)
Hauser, Max, doing business as Modern Health-Product Supply Co., Milwaukee, Wis. Portable food grinders. 319,636; Dec. 4; Serial No. 353,648; published Sept. 25, 1934. Class 23.
Hecht & Co. to Hecht & Co., Washington, D. C., successor. Shoes. 100,326; renewed Oct. 20, 1934.
Hefefabrik Emmerthal, Gesellschaft mit beschrankter Haftung, Emmerthal, near Hameln, Germany, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Remedy for diabetes, gout, skin affections, etc. 101,161; renewed Nov. 19, 1934.
Henzerling, Herman L., doing business as Rutherford Laboratories, Rutherford, N. J. Germicide and antiseptic. 319,626; Dec. 4; Serial No. 349,280; published Sept. 25, 1934. Class 6.
Heyer Products Company, Inc., Belleville, N. J. Battery connectors. 319,694; Dec. 4; Serial No. 333,258; published Sept. 25, 1934. Class 21.
Highland Distilleries Products Corp., Jersey City, N. J. Whiskey. 319,719; Dec. 4; Serial No. 347,354; published Mar. 27, 1934. Class 49.
Hillcrest Distilling Corporation, Lawrenceburg, Ind. Whiskey, brandy, gin, etc. 319,751; Dec. 4; Serial No. 354,933; published Sept. 25, 1934. Class 49.
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 319,843; Dec. 4; Serial No. 355,473; published Oct. 2, 1934. Class 22.
Hi-Test Products Co. (See Animal Foods Company.)
Horton Cato Mfg. Co., The, Detroit, Mich., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Salad-dressing, chilli sauce, mustard, etc. 103,696; renewed Apr. 13, 1935.
Houghton, E. F. & Co., assingor to E. F. Houghton & Co., Philadelphia, Pa. Mechanical leathers. 43,988; renewed Jan. 10, 1935.
Houghton, E. F., & Co., Philadelphia, Pa. Carburizers for liquid baths. 319,710; Dec. 4; Serial No. 353,986; published Sept. 18, 1934. Class 6.
Howard, W. R., Company, The, Pikesville, Md. Whiskey. 319,806; Dec. 4; Serial No. 353,020; published Sept. 25, 1934. Class 49.
Howe, R. Q., doing business as R-Q Laboratories, Alhambra, Calif. Liquid treatment for athlete's foot, impetigo, etc. 319,801; Dec. 4; Serial No. 354,509; published Sept. 25, 1934. Class 6.
Hubinger Co., The, Keokuk, Iowa. Starches used in textile trade. 319,660; Dec. 4; Serial No. 354,683; published Sept. 18, 1934. Class 6.
Hubinger Co., The, Keokuk, Iowa. Mixed corn syrup. 319,680; Dec. 4; Serial No. 347,567; published Sept. 25, 1934. Class 46.
Hudnut, Richard, New York, N. Y. Compacts and combination vanity boxes, etc. 319,821; Dec. 4; Serial No. 352,376; published Oct. 2, 1934. Class 2.
Hughes, Henry L., Co., Inc., New York, N. Y. Brushes. 319,825; Dec. 4; Serial No. 352,618; published Oct. 2, 1934. Class 29.
Jardine, William H., Philadelphia, Pa. Ventilators. 100,829; renewed Oct. 27, 1934.
Jarvis, Anna, Philadelphia, Pa. Cartons, boxes, and paper bags. 103,855; renewed Apr. 20, 1935.
Jelke, John F., Company, Chicago, Ill. Mayonnaise and salad dressing. 319,752; Dec. 4; Serial No. 354,937; published Oct. 2, 1934. Class 46.
Johnson, B. J., Soap Company, Milwaukee, Wis., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 102,862; renewed Feb. 23, 1935.
Juilliard, A. D., & Company, Inc., New York, N. Y. Casket cloth. 319,853; Dec. 4; Serial No. 354,375; published Sept. 25, 1934. Class 42.
Kachan, Anthony, doing business as Kachan Laboratories, Northboro, Mass. Ointment. 319,824; Dec. 4; Serial No. 352,492; published Sept. 18, 1934. Class 6.
Kaits, Isidor, New York, N. Y. Ladies' shirt-waists. 100,835; renewed Oct. 27, 1934.
Kalle & Co., Biebrich-on-the-Rhine, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Saponifics. 43,656; renewed Nov. 8, 1934.
Kalle & Co., Aktiengesellschaft, Biebrich-on-the-Rhine, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Preparations for the treatment of diseases. 100,983; renewed Nov. 3, 1934.
Kamlee Company, The, assignor to McKane-Liss Company, Milwaukee, Wis. Trunks, suitcases, and traveling-bags. 100,557; renewed Oct. 20, 1934.

Kendall Company, The. (See Lewis Manufacturing Company, assignor.)
Knights, A. A., & Son Corporation, Malden, Mass. Preparations for making frozen desserts. 319,672; Dec. 4; Serial No. 354,377; published Sept. 25, 1934. Class 46.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Flavoring extracts. 103,818; renewed Apr. 13, 1935.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Flavoring extracts. 103,856; renewed Apr. 20, 1935.
Kolb Brewing Company, Bay City, Mich. Beer. 319,869; Dec. 4. Class 48.
Kolb Brewing Company, Bay City, Mich. Beer. 319,884; Dec. 4. Class 48.
Kruskal & Kruskal to Kruskal & Kruskal, Inc., New York, N. Y., successor. Fur garments. 100,562; renewed Oct. 20, 1934.
Lakeland Mfg. Co., Sheboygan, Wis. Snow suits and ski pants. 319,722; Dec. 4; Serial No. 354,466; published Sept. 18, 1934. Class 39.
Lambert, Marion, Inc., St. Louis, Mo. Creme deodorant. 319,635; Dec. 4; Serial No. 353,660; published Sept. 25, 1934. Class 6.
Lambert Pharmacal Company, Wilmington, Del. Tooth paste. 319,623; Dec. 4; Serial No. 349,729; published Sept. 25, 1934. Class 6.
Lane-Wells Co., The, Los Angeles, Calif. Oil well tools and parts thereof. 319,715; Dec. 4; Serial No. 353,897; published Sept. 25, 1934. Class 23.
Lanier Cone Company, Cincinnari, Ohio. Ice-cream cones. 319,776; Dec. 4; Serial No. 350,859; published Sept. 25, 1934. Class 46.
Laporte Bisquit & Co. (See Bisquit, Martial A. G. E. L.)
Lee, Edward E., Hollywood, Calif. Strip photograph machines and cameras. 319,883; Dec. 4. Class 26.
Lee, Lettie, Los Angeles, Calif. Dresses, coats, etc. 319,741; Dec. 4; Serial No. 344,436; published Sept. 25, 1934. Class 39.
Levy-Roth G. m. b. H., Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Cameras. 100,987; renewed Nov. 3, 1934.
Lewis, Mrs. Eva, doing business as Tivoli Vintage Co., Los Angeles, Calif. Wines. 319,698; Dec. 4; Serial No. 353,398; published Sept. 25, 1934. Class 47.
Lewis Manufacturing Company, Walpole, assignor to The Kendall Company, Boston, Mass. Absorbent cotton and gauze, bandages, etc. 103,242; renewed Mar. 23, 1935.
Lilly, Eli, and Company, Indianapolis, Ind. Seven kinds of bacterial antigens. 319,661; Dec. 4; Serial No. 354,660; published Sept. 25, 1934. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 319,701; Dec. 4; Serial No. 353,517; published Sept. 18, 1934. Class 6.
Linco Blade Co., Inc., Detroit, Mich. Safety-razor blades. 319,854; Dec. 4; Serial No. 332,193; published Sept. 25, 1934. Class 23.
Lingner Corporation. (See Lingner-Werke Aktiengesellschaft, assignor.)
Lingner-Werke Aktiengesellschaft, Dresden, Germany, assignor to Lingner Corporation, Brooklyn, N. Y. Soap. 97,429; renewed June 2, 1934.
Lionel Distilled Products, Inc., Chicago, Ill. Whiskey. 319,702; Dec. 4; Serial No. 353,519; published Oct. 2, 1934. Class 49.
Liss, Michael, doing business as Gum-Num Company, Newark, N. J. Liquid antiseptic and anesthetic. 319,723; Dec. 4; Serial No. 353,283; published Sept. 25, 1934. Class 6.
Lloyd Brothers Pharmacists, Inc., Cincinnati, Ohio. Specific medicines, preparations for hypodermic use, etc. 319,691; Dec. 4; Serial No. 340,687; published Mar. 20, 1934. Class 6.
Lukens, C. De Witt, Surgical Manufacturing Co., St. Louis, Mo. Surgical sutures. 100,366; renewed Oct. 20, 1934.
Lynndale Distillery Company, Louisville, Ky. Whiskey and gin. 319,753; Dec. 4; Serial No. 354,940; published Sept. 25, 1934. Class 49.
Lynndale Distillery Company, Louisville, Ky. Whiskey, brandy, gin, etc. 319,754; Dec. 4; Serial No. 354,941; published Sept. 25, 1934. Class 49.
Macleod, Ian, & Company, Limited, Glasgow and Isle of Skye, Scotland. Whisky. 319,697; Dec. 4; Serial No. 353,663; published Oct. 2, 1934. Class 49.
Macy, R. H., & Co., Inc., New York, N. Y. Underwear. 319,730; Dec. 4; Serial No. 353,219; published Sept. 18, 1934. Class 39.
Maier Pipe Company, Wilmington, Del. Smoking-pipes. 100,574; renewed Oct. 20, 1934.
Maison Ackerman-Laurance Societe Anonyme. (See Compagnie Generale des Vins Mousseux de Saumur, Maison Ackerman-Laurance.)
Maison Getaweiler & Fils, Societe Anonyme, Nuits-Saint-Georges (Cote d'Or), France. Wine. 319,645–7; Dec. 4; Serial Nos. 352,867–9; published Sept. 25, 1934. Class 47.
Maison, Pichel, Inc., New York, N. Y. Gin, whiskey, and brandy. 319,839–41; Dec. 4; Serial Nos. 355,028–30; published Sept. 25, 1934. Class 49.
Majestic Distilling Company, Baltimore, Md. Whiskey, gin, rum, etc. 319,765; Dec. 4; Serial No. 354,902; published Sept. 25, 1934. Class 49.
Majestic Wine & Spirits, Inc., Camden, N. J. Whiskey, gin, rum, etc. 319,792; Dec. 4; Serial No. 355,109; published Sept. 25, 1934. Class 49.
Manville Company, Providence, assignor, by mesne assignments, to Manville Jenckes Corporation, Manville, R. I. Piece goods of silk, cotton, linen, etc. 103,438; renewed Apr. 6, 1935.
Mar-Dis Wines & Spirits Corporation, Baltimore, Md. Whiskey, gin, rum, etc. 319,790; Dec. 4; Serial No. 355,071; published Sept. 25, 1934. Class 49.
Mary Elizabeth's, assignor to Mary Elizabeth's, Ltd., New York, N. Y. Candies, chocolates, jellies, etc. 101,703; renewed Jan. 5, 1935.
Maskey's, Inc., to Anna Maskey, San Francisco, Calif., successor. Candy. 100,579; renewed Oct. 20, 1934.
Mattei, François, Bastia, France. Wines. 319,771; Dec. 4; Serial No. 351,925; published Sept. 25, 1934. Class 47.
May, D. W., Corporation, Newark, N. J. Radio dials. 319,865; Dec. 4; Serial No. 355,148; published Sept. 25, 1934. Class 21.
McKane-Lins Company. (See Kamlee Company, The, assignor.)
McKenna, John F., Los Angeles, Calif. Mineral food supplement for dogs, cats, etc. 319,733; Dec. 4; Serial No. 354,315; published Sept. 18, 1934. Class 6.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Medical preparation. 319,782; Dec. 4; Serial No. 353,613; published Sept. 18, 1934. Class 6.
Medico Chemical Corporation of America, New York, N. Y. Pharmaceutical preparations. 319,784; Dec. 4; Serial No. 353,527; published Sept. 25, 1934. Class 6.
Meier, Mae A., St. Louis, to Mae Alice Meier, Hillsboro, Mo. Salad-dressings. 100,582; renewed Oct. 20, 1934.
Meincke, A. M., & Son, Inc., Chicago, Ill., assignor to Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Starch for use in the manufacture of paper. 319,689; Dec. 4; Serial No. 346,313; published Sept. 18, 1934. Class 6.
Mendenhall No. 1 Pharmacy, Inc., Brazil, Ind. Hand lotion. 319,686; Dec. 4; Serial No. 346,443; published Sept. 25, 1934. Class 6.
Mercirex Co., The, Milford, Del. Soap for dogs. 319,708; Dec. 4; Serial No. 354,049; published Sept. 25, 1934. Class 4.
Mexican American Habanero Corporation, New York, N. Y. Fabrication of aguardiente (alcohol distilled from sugar cane) and wine. 319,806; Dec. 4; Serial No. 353,151; published Sept. 25, 1934. Class 49.
Miriam Gross Co., Milwaukee, Wis. Knitted garments. 319,651; Dec. 4; Serial No. 354,050; published Sept. 25, 1934. Class 39.
Modern Health-Product Supply Co. (See Hauser, Max.)
Montebello Distillers, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 319,656–9; Dec. 4; Serial Nos. 354,694–7; published Sept. 25, 1934. Class 49.
Montgomerie, Stobo & Co., Ltd., Glasgow, Scotland, and Northern Ireland. Dry cleaning soap. 99,897; renewed Sept. 22, 1934.
Morgado & Silva, Villa Nova de Gaya, Portugal. Port wines. 319,775; Dec. 4; Serial No. 351,077; published Sept. 25, 1934. Class 47.
Moroney, James E., doing business as James Moroney, Philadelphia, Pa. Whiskies and gins. 319,677–8; Dec. 4; Serial Nos. 342,617–18; published Oct. 2, 1934. Class 49.
Mutual Service. (See Braeutigam, Henry D.)
Mychuda, George, doing business as The Green Lite Laboratory, Northampton, Pa. Soap and a household cleaning preparation. 319,707; Dec. 4; Serial No. 354,051; published Sept. 25, 1934. Class 4.
Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken. (See Meincke, A. M., & Son, Inc., assignor.)
National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 103,730; renewed Apr. 13, 1935.
National Fruit Canning Co., Seattle, Wash. Canned fruits. 319,629; Dec. 4; Serial No. 354,805; published Sept. 25, 1934. Class 46.
Neumann, R., & Company, Hoboken, N. J. Leather. 319,835; Dec. 4; Serial No. 355,318; published Oct. 2, 1934. Class 1.
New England Grain Products Co. (See Cox, Chas. M., Co., assignor.)
Nicholson File Company, Providence, R. I. Files and rasps. 101,408; renewed Dec. 8, 1934.
North American Rayon Corporation, New York, N. Y. Thread and yarn of artificial origin. 319,662; Dec. 4; Serial No. 354,629; published Sept. 25, 1934. Class 43.
North American Rayon Corporation, New York, N. Y. Thread and yarn of artificial origin. 319,778; Dec. 4; Serial No. 354,631; published Sept. 25, 1934. Class 43.
North American Rayon Corporation, New York, N. Y. Thread and yarn of artificial origin. 319,816; Dec. 4; Serial No. 354,627; published Sept. 25, 1934. Class 43.
Northern Research Laboratories, Inc., Minneapolis, Minn. Germicide. 319,693; Dec. 4; Serial No. 340,282; published Sept. 25, 1934. Class 6.
Norton Company, Worcester, Mass. Refractory bricks or blocks. 100,877–8; renewed Oct. 27, 1934.
Norton Company, Worcester, Mass. Heat-refractory plates, tubes, muffles, etc. 100,998–9; renewed Nov. 3, 1934.
Nyal Company, Detroit, Mich. Medical and surgical appliances. 103,790; renewed Apr. 13, 1935.

O. D. C. Corporation, New York, N. Y. Depilatories and body deodorants. 319,671; Dec. 4; Serial No. 354,385; published Sept. 25, 1934. Class 6.
Oakglen Apple Growers' Association, Oakglen, to I. Ford, Redlands, Calif., successor. Apples. 100,601; renewed Oct. 20, 1934.
Old Colony Wine Company. (See Pafford, H. R.)
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,617; Dec. 4; Serial No. 354,734; published Sept. 25, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,655; Dec. 4; Serial No. 354,698; published Sept. 25, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,796–8; Dec. 4; Serial Nos. 354,860–2; published Sept. 25, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,799; Dec. 4; Serial No. 354,865; published Sept. 25, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, brandy, gin, etc. 319,830; Dec. 4; Serial No. 354,864; published Dec. 5, 1933. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,845–6; Dec. 4; Serial Nos. 355,409–10; published Sept. 25, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 319,848–51; Dec. 4; Serial Nos. 355,369–72; published Sept. 25, 1934. Class 49.
P. & D. Manufacturing Company, Inc., Long Island City, N. Y. Electric starting, lighting, generating and ignition parts and supplies. 319,706; Dec. 4; Serial No. 353,723; published Sept. 25, 1934. Class 21.
Pacific Coast Wineries Inc., Los Angeles, Calif. Brandy. 319,760; Dec. 4; Serial No. 354,866; published Sept. 25, 1934. Class 49.
Pacific Liquor Company, Los Angeles, Calif. Whiskey. 319,730; Dec. 4; Serial No. 354,258; published Sept. 25, 1934. Class 49.
Pafford, H. R., doing business as Old Colony Wine Company, Los Angeles, Calif. Wines. 319,747; Dec. 4; Serial No. 344,802; published Jan. 23, 1934. Class 47.
Parsons Paper Company, Holyoke, Mass. Paper. 103,675; renewed Apr. 13, 1935.
Paso Robles Concentrates, Inc., Los Angeles, Calif. Concentrate of the Paso Roblea Hot Springs Sulphur Water, a diuretic. 319,808; Dec. 4; Serial No. 353,110; published Sept. 18, 1934. Class 6.
Pasquier-Desvignes et Cie Société Anonyme, St. Lager, France. Wines. 319,744; Dec. 4; Serial No. 342,850; published Dec. 5, 1933. Class 47.
Pasquier-Desvignes et Cie, Société Anonyme, St. Lager, Rhone, France. Wines. 319,648; Dec. 4; Serial No. 352,872; published Sept. 25, 1934. Class 47.
Patent Button Company, The, Waterbury, Conn. Receptacles and cases. 319,805; Dec. 4; Serial No. 353,034; published Oct. 2, 1934. Class 2.
Pathe-Cinema, Anciens Etablissements Pathe Freres. (See Compagnie Générale des Établissements Pathé Frères, Phonographe et Cinématographe.)
Patou, Jean, Inc., New York, N. Y. Perfumes and toilet waters. 319,634; Dec. 4; Serial No. 353,682; published Sept. 25, 1934. Class 6.
Patou, Jean, Inc., New York, N. Y. Perfumes and toilet waters. 319,696; Dec. 4; Serial No. 352,683; published Sept. 25, 1934. Class 6.
Pautauberge, L., Société à Responsabilité Limitée, Paris, France. Preparations for colds, coughs, etc. 319,650; Dec. 4; Serial No. 352,021; published Sept. 25, 1934. Class 6.
Pellenberg, Isidore, doing business as Allied Wines, New York. N. Y. Wine. 319,809; Dec. 4; Serial No. 352,264; published Sept. 4, 1934. Class 47.
Pellenberg, Isidore, doing business as Allied Wines, New York, N. Y. Wine. 319,835; Dec. 4; Serial No. 352,265; published Sept. 4, 1934. Class 47.
Penn-Maryland, Inc. (See American Medicinal Spirits Company, The, assignor.)
Penola, Inc., Pittsburgh, Pa. Marine lubricating greases. 319,621; Dec. 4; Serial No. 350,389; published Sept. 25, 1934. Class 15.
Penola Inc., Pittsburgh, Pa. Caulking compounds and stearate paste. 319,826; Dec. 4; Serial No. 355,116; published Sept. 25, 1934. Class 12.
Perloff Bros., Philadelphia, Pa. Flour, grape jelly, fruit preserves, etc. 319,785; Dec. 4; Serial No. 355,036; published Oct. 2, 1934. Class 46.
Pfalts & Bauer, Inc., New York, N. Y. Lanoline wool-fats and mixtures containing the same. 319,688; Dec. 4; Serial No. 346,374; published Sept. 25, 1934. Class 6.
Pfeffer, David, New York, N. Y. Jewelry. 319,720; Dec. 4; Serial No. 354,135; published Sept. 25, 1934. Class 28.
Philadelphia Pure Rye Whiskey Distilling Company of Pennsylvania, Limited, Eddington, Pa. Whiskey. 319,786; Dec. 4; Serial No. 355,038; published Sept. 25, 1934. Class 49.
Philco Oil Co., Philadelphia, Pa. Lubricating oil. 319,857; Dec. 4; Serial No. 355,231; published Sept. 25, 1934. Class 15.
Planters Nut & Chocolate Co., Wilkes-Barre, Pa., and Suffolk, Va. Salted peanuts. 319,615; Dec. 4; Serial No. 354,773; published Oct. 2, 1934. Class 46.
Polan, Katz & Company, Baltimore, Md. Umbrellas with detachable handles. 319,880; Dec. 4. Class 41.
Polar Ware Company, Sheboygan, Wis. Vitreous enamel pots, pans, and kettles. 319,618; Dec. 4; Serial No. 350,808; published Sept. 25, 1934. Class 18.
Polefsky, Jacob S., doing business as The Continental Pure Products Co., Jersey City, N. J. Whiskey, gin, alcoholic cordials, etc. 319,675; Dec. 4; Serial No. 355,000; published Sept. 25, 1934. Class 49.
Poliak, Henry, Inc., New York, N. Y. Hat bodies for hats. 319,609; Dec. 4; Serial No. 354,169; published Sept. 25, 1934. Class 39.
Popper Morson Co. Inc., Jersey City, N. J. Alcoholic cordials. 319,770; Dec. 4; Serial No. 351,931; published Sept. 25, 1934. Class 49.
Printz-Biederman Company, The, Cleveland, Ohio. Women's wearing apparel. 319,638; Dec. 4; Serial No. 352,676; published Sept. 18, 1934. Class 39.
Quality Bakers of America, Inc. (See Delorge, Ed., Baking and Ice Cream Co., Inc., assignor.)
R-Q Laboratories. (See Howe, R. Q.)
Rawlings & Sons (London) Limited, London, England. Wines. 319,810; Dec. 4; Serial No. 352,104; published Sept. 25, 1934. Class 47.
Reckitt's (U. S. A.), Ltd., Hull, England, and Rochester, N. Y. Bluing. 319,716; Dec. 4; Serial No. 353,859; published Sept. 25, 1934. Class 6.
Reilly, Frank C., New York, N. Y. Astringents, bleach creams, cold creams, etc. 319,610; Dec. 4; Serial No. 354,176; published Sept. 25, 1934. Class 6.
Remogland Chemical Company. (See Halper, Victor.)
Renouard-Larivière & Cie, to Renouard Larivière & Cie, Paris, France, successor. Melissa water. 101,492; renewed Dec. 15, 1934.
Renz, J. F., and Sons, Lima, Ohio. Bread. 319,787; Dec. 4; Serial No. 355,040; published Sept. 25, 1934. Class 46.
Rich Maid Manufacturing Company, Inc., Richmond, Va. Coffee. 319,670; Dec. 4; Serial No. 354,388; published Sept. 25, 1934. Class 46.
Riker & Hegeman Co., New York, N. Y., assignor, by mesne assignments, to United Drug Company, Boston, Mass. Nutritive tonics. 102,983; renewed Mar. 9, 1935.
Riker & Hegeman Co., New York, N. Y., assignor, by mesne assignments, to United Drug Company, Boston, Mass. Preparations for the feet. 102,984; renewed Mar. 9, 1935.
Rivas & Co., Inc., New York, N. Y. Tonic for body building. 319,709; Dec. 4; Serial No. 354,004; published Sept. 25, 1934. Class 6.
Rivera, Nicanor P., doing business as Central Converting Company, New York, N. Y. Cotton broadcloths. 319,783; Dec. 4; Serial No. 353,539; published Sept. 25, 1934. Class 42.
Roguet, Albert, Courtenay, France. Alcoholic bitters, cordials, etc. 319,684; Dec. 4; Serial No. 347,025; published Sept. 25, 1934. Class 49.
Rossano, A., Inc., New York, N. Y. Whiskey and gin. 319,836; Dec. 4; Serial No. 352,268; published Oct. 2, 1934. Class 49.
Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. 103,679; renewed Apr. 13, 1935.
Royster, F. S., Guano Co., Norfolk, Va. Fertilizers. 102,448; renewed Feb. 9, 1935.
Rum Company, Ltd., Basel, Switzerland. Rum. 319,627; Dec. 4; Serial No. 354,808; published Sept. 25, 1934. Class 49.
Rum Company, Ltd., Basel, Switzerland. Rum. 319,628; Dec. 4; Serial No. 354,806; published Sept. 25, 1934. Class 49.
Rum Company, Ltd., Basel, Switzerland. Rum. 319,827; Dec. 4; Serial No. 354,809; published Sept. 25, 1934. Class 49.
Rutherford Laboratories. (See Henzerling, Herman L.)
Saftlas, Joseph, Philadelphia, Pa. Skirts, blouses, sweaters, etc. 319,683; Dec. 4; Serial No. 347,190; published Mar. 27, 1934. Class 39.
Sambrooks Limited, New York, N. Y. Men's neckties and mufflers. 319,745; Dec. 4; Serial No. 342,816; published Sept. 18, 1934. Class 39.
Sandeman, Geo. G., Sons & Co. Limited, London, England. Whiskey. 319,713; Dec. 4; Serial No. 353,948; published Sept. 25, 1934. Class 49.
San-Knit-ary Textile Mills Incorporated, assignor to San-Knit-ary Textile Mills, Philadelphia, Pa. Towels, wash-cloths, bath-mitts, etc. 100,426; renewed Oct. 20, 1934.
Sapolin Co. Inc. (See Gerstendorfer Bros.)
Schenley Wine & Spirit Import Corporation, New York, N. Y. Port wines. 319,800; Dec. 4; Serial No. 354,577; published Sept. 25, 1934. Class 47.
Schieren, Chas. A., Company, New York, N. Y. Cut belt-lacing. 103,680; renewed Apr. 13, 1935.
Schmidt, Anthony, doing business as The Club Cheese Co., Chicago, Ill. Cheese product. 319,815; Dec. 4; Serial No. 354,358; published Sept. 25, 1934. Class 46.
Schmincke, H., & Co., Dusseldorf-Grafenberg, Germany, assignor, by meane assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Oil-colors in tubes and water colors. 101,014; renewed Nov. 3, 1934.

Schoenhofen, Peter, Brewing Company, The, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Malt extract. 100,729; renewed Oct. 20, 1934.
Schulze, Paul, Biscuit Co., Chicago, Ill. Crackers. 319,734; Dec. 4; Serial No. 354,322; published Sept. 25, 1934. Class 46.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey. 319,761; Dec. 4; Serial No. 354,875; published Sept. 25, 1934. Class 49.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey, brandy, gin, etc. 319,831; Dec. 4; Serial No. 354,876; published Sept. 25, 1934. Class 49.
Selected Kentucky Distillers, Inc., Louisville, Ky. Whiskey, gin, and brandy. 319,755; Dec. 4; Serial No. 354,955; published Sept. 25, 1934. Class 49.
Senzodor, Inc., Rochester, N. Y. Incense. 319,731; Dec. 4; Serial No. 354,268; published Sept. 25, 1934. Class 6.
Serum Laboratorium Ruete-Enoch, Hamburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Curative serum. 43,703; renewed Nov. 15, 1934.
Service Laboratories, St. Louis, Mo. Hair preparations, creams, lotions, etc. 319,767; Dec. 4; Serial No. 352,001; published Sept. 25, 1934. Class 6.
Shellabarger Grain Products Company, Decatur, Ill. Specially processed soy-bean flour. 319,788; Dec. 4; Serial No. 355,042; published Sept. 25, 1934. Class 46.
Silverman, Louis J., Chicago, Ill. Shirts and pajamas. 319,625; Dec. 4; Serial No. 349,444; published Sept. 18, 1934. Class 39.
Simson & Frey, Inc., New York, N. Y. Musical instrument accessories. 319,818; Dec. 4; Serial No. 354,578; published Sept. 25, 1934. Class 36.
Sindicato Agricola de Vinadores de Albarizas, Jerez de la Frontera, Spain. Wines. 319,643; Dec. 4; Serial No. 352,756; published Sept. 25, 1934. Class 47.
Sleepwell Metal Bed Co., Inc., Brooklyn, N. Y. Bed springs. 319,766; Dec. 4; Serial No. 354,911; published Sept. 25, 1934. Class 32.
Snider Packing Corporation, Rochester, N. Y. Frozen fruits and vegetables. 319,873; Dec. 4. Class 46.
Società Anonima Fratelli Branca, Milan, Italy. Stomach bitters. 319,742; Dec. 4; Serial No. 343,799; published Sept. 25, 1934. Class 6.
Société Anonyme Felix Potin, Paris, France. Brandy. 319,649; Dec. 4; Serial No. 352,877; published Sept. 25, 1934. Class 49.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum wax. 319,701; Dec. 4; Serial No. 355,078; published Sept. 25, 1934. Class 15.
Sonneborn, L., Sons, Inc., New York, N. Y. Amorphous wax. 319,814; Dec. 4; Serial No. 354,359; published Sept. 25, 1934. Class 6.
Southern California Distilleries, Ltd., Hawthorne, Calif. Whiskey, brandy, gin, etc. 319,732; Dec. 4; Serial No. 354,269; published Sept. 25, 1934. Class 49.
Spaulding-Gorham, Inc., Chicago, Ill. Knives, forks, spoons, and carving sets. 319,871; Dec. 4. Class 28.
Spellman, E. L., Co., Inc., Hoboken, N. J. Wine. 319,769; Dec. 4; Serial No. 351,942; published Sept. 25, 1934. Class 47.
Sperry & Barnes Co., The, assignor to The Sperry & Barnes Co., New Haven, Conn. Foods. 102,315; renewed Feb. 2, 1935.
Spiegel, May, Stern Company to Spiegel, May, Stern Company, Inc., Chicago, Ill., Successor. Suction-sweepers. 101,017; renewed Nov. 3, 1934.
"Stabag" Stahlbüchsen A. G., Zug, Switzerland. Bushes or bushings, millers, reamers, etc. 319,837; Dec. 4; Serial No. 352,296; published Sept. 25, 1934. Class 28.
Stagg, Geo. T., Company, The, Frankfort, Ky. Whiskey, gin, rum, etc. 319,847; Dec. 4; Serial No. 355,375; published Sept. 25, 1934. Class 49.
Standard Brands Incorporated. (See Horton Cato Mfg. Co., The, assignor.)
Standard Brands Incorporated. (See Widlar Co., The.)
Standard Cap and Seal Corporation, Chicago, Ill. Bottle closures. 319,870; Dec. 4. Class 50.
Standard Oil Company, Richmond, Calif., assignor to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating-oils, greases, refined oil, and gasolene. 101,430; renewed Dec. 8, 1934.
Standard Oil Company, Richmond, Calif., assignor to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Asphaltum product of crude oil. 101,882; renewed Jan. 12, 1935.
Standard Oil Company of New Jersey, Wilmington, Del. Transformer oils. 319,614; Dec. 4; Serial No. 354,777; Sept. 25, 1934. Class 15.
Storrs, Robert W., jr., Richmond, Va. Shaving cream and the like. 319,762; Dec. 4; Serial No. 354,878; published Sept. 25, 1934. Class 4.
Sunliffe Chlorophyllian Laboratories, Long Beach, Calif. Nonirritant oil, bath salts, tissue cream, etc. 319,803; Dec. 4; Serial No. 353,106; published Sept. 18, 1934. Class 6.
Sunny Hill Wineries, Chicago, Ill. Wine. 319,828; Dec. 4; Serial No. 354,813; published Sept. 25, 1934. Class 47.
Superior Peanut Company, assignor to The Superior Peanut Company, Cleveland, Ohio. Salted peanuts. 100,647; renewed Oct. 20, 1934.
Tailby-Nason Company, Cambridge, Mass. Preparations for hay fever, asthma, etc. 319,682; Dec. 4; Serial No. 347,424; published Apr. 3, 1934. Class 6.
Tasso Company, The, South Bend, Ind. Cleaning preparation. 319,699; Dec. 4; Serial No. 353,489; published Sept. 25, 1934. Class 4.
Texas Company, The, New York, N. Y. Gasoline. 319,829; Dec. 4; Serial No. 354,815; published Sept. 25, 1934. Class 15.
Till, Anton, & Adolf Haslauer, East Orange, N. J. Abrasive stones and abrasive grinding or sharpening wheels. 319,802; Dec. 4; Serial No. 354,483; published Sept. 25, 1934. Class 4.
Tivoli Vintage Co. (See Lewis, Mrs. Eva.)
Tonkin Distributing Co., San Francisco, Calif. Whiskey. 319,735; Dec. 4; Serial No. 354,330; published Oct. 2, 1934. Class 49.
Transamerica Wine & Liquor Corp., Brooklyn, N. Y. Gin and whiskey. 319,724; Dec. 4; Serial No. 353,306; published Sept. 25, 1934. Class 49.
Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry. 319,748; Dec. 4; Serial No. 354,913; published Sept. 25, 1934. Class 28.
Trimble, Edward M., assignor, by mesne assignments, to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Folding crib for children. 101,548; renewed Dec. 22, 1934.
Truscon Laboratories, The, Detroit, Mich. Liquid sealer and filler for concrete and masonry. 319,681; Dec. 4; Serial No. 347,762; published Sept. 25, 1934. Class 12.
Tubin, Lillian S., doing business as Elite Laboratories, Chicago, Ill. Mentholuted salt. 319,738; Dec. 4; Serial No. 353,197; published Sept. 18, 1934. Class 6.
Union Vinicole Beaunoise. (See Etablissements Léon Rigault, Societe Anonyme.)
United Drug Company. (See Riker & Hegeman Co., assignor.)
Universal Camera Corporation, New York, N. Y. Photographic cameras. 319,692; Dec. 4; Serial No. 340,246; published Sept. 25, 1934. Class 20.
Universal Laboratories. (See Goodier, Elwood J.)
Van Dissen, James, Distilling Co., Los Angeles, Calif. Gin. 319,777; Dec. 4; Serial No. 354,044; published Oct. 2, 1934. Class 49.
Veldown Company, Inc., New York, N. Y. Cleansing tissues. 319,881; Dec. 4. Class 37.
Vita-Ray Corporation, Lowell, Mass. Complexion cream. 319,612; Dec. 4; Serial No. 354,181; published Sept. 25, 1934. Class 6.
Vocke, Aloysius J., Tippecanoe City, Ohio. Noninjurious animal repellent in the form of a spray preparation. 319,807; Dec. 4; Serial No. 353,180; published Sept. 18, 1934. Class 6.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 319,804; Dec. 4; Serial No. 353,049; published Oct. 2, 1934. Class 49.
Walker, John & Sons, Limited, London, England. Whisky. 319,712; Dec. 4; Serial No. 353,902; published Oct. 2, 1934. Class 49.
Washington Wholesale Liquor Corporation, Washington, D. C. Whiskey. 319,750; Dec. 4; Serial No. 354,965; published Sept. 25, 1934. Class 49.
Wax & Vitale, Genoa, Italy. Wines. 319,679; Dec. 4, 1934; Serial No. 348,308; published Sept. 25, 1934. Class 47.
Weideman Co., The, Cleveland, Ohio. Whiskey. 319,668; Dec. 4, 1934; Serial No. 354,582; published Sept. 25, 1934. Class 49.
Wellcome, Henry S., London, England, assignor, by mesne assignments, to Burroughs, Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Chemicals used in photographic processes. 44,219; renewed Feb. 21, 1934.
Wells, Albert A., to W. B. Wilson, doing business as Wells Medicine Company, La Fayette, Ind., successor. Remedies for diseases of animals. 99,923; renewed Sept. 22, 1934.
Western Distillers Corporation, Los Angeles, Calif. Whiskey. 319,844; Dec. 4; Serial No. 355,419; published Sept. 25, 1934. Class 49.
Westmoreland Chemical and Color Company, The, assignor to Edward G. Costello, Philadelphia, Pa. Ferric sulfate. 102,990–1; renewed Mar. 9, 1935.
Widlar Co., The, Cleveland, Ohio, to Standard Brands Incorporated, New York, N. Y., successor. Mustard relish. 103,773; renewed Apr. 13, 1935.
Wilhelm, A., Company, The, Reading, Pa., to The A. Wilhelm Company, Cleveland, Ohio. Enamel. 103,307; renewed Mar. 30, 1935.
Wilhelm, A., Company, The, Reading, Pa., to The A. Wilhelm Company, Cleveland, Ohio. Paints. 103,308; renewed Mar. 30, 1935.
Wilson Chemical Company, Inc., The, Tyrone, Pa. Cough drops. 319,652; Dec. 4; Serial No. 354,145; published Sept. 25, 1934. Class 6.
Wilson, W. B. (See Wells, Albert A.)
Yozo Co., by change of name to Chattanooga Drug & Chemical Company, Chattanooga, Tenn. Pharmaceutical preparations. 101,244; renewed Nov. 17, 1934.

LIST OF REGISTRANTS OF LABELS

Bliz-Em Toys, Inc., Port Huron, Mich. Bliz-Em Builds Anything. For Toys, More Particularly Sets From Which Different Toys May Be Built. 44,701; Dec. 4.
German Brewing Co., The, Cumberland, Md. Old German. For Beer. 44,702; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Hi-Arch. For Boxes. 44,703; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Wilby's. For Boxes. 44,704; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Arch Built. For Boxes. 44,705; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Outdoor Girl. For Boxes. 44,706; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Marchioness. For Boxes. 44,707; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Clyde's. For Boxes. 44,708; Dec. 4.
Hoague-Sprague Corporation, Lynn, Mass. Fraser's Comf-Aid. For Boxes. 44,709; Dec. 4.
Hygienic Products Company, The, Canton, Ohio. Sani-Flush. For Powdered Compound For Cleaning Water-Closet Bowls and Automobile Radiators. 44,710; Dec. 4.
Irwin Paper Co., Quincy, Ill. Parkland. For Embossed Tissue. 44,711; Dec. 4.
Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif. Three Star. For Oranges. 44,712; Dec. 4.
Nu-Art Fibre Products Company Branch of American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Nu-Art Agave and Kraft Fibre Products. For Fibre Products. 44,713; Dec. 4.
Petersen, P. F. Baking Co., Omaha, Nebr. Peter Pan. For Sliced Bread. 44,714; Dec. 4.
Russell-Miller Milling Co., Minneapolis, Minn. Occident Biscuit Mix. For Prepared Flour. 44,715; Dec. 4.
Vitab Products, Inc., New York, N. Y. Sesame Bread. For Bread. 44,716; Dec. 4.

LIST OF REGISTRANTS OF PRINTS

Bond, W. G., Inc., Baltimore, Md. The House of Bond. For Wines and Liquors. 14,929; Dec. 4.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Carload Sale. For Soap. 14,930; Dec. 4.
Cook, Roger A., San Antonio, Tex. Cruising Accelerator. For Cruising Accelerators. 14,931; Dec. 4.
Cream of Wheat Corporation, The, Minneapolis, Minn. Every Day He Burns Up As Much Energy As a Football Player! For Wheat Breakfast Food. 14,932; Dec. 4.
Howard Coal & Coke Co. Inc., Brooklyn, N. Y. Howard's Prestcoal. For Coal, Coke, Fuel Oil and Concentrated Anthracite Hard-Pressed Into Convenient Stove Size Nuggets. 14,933; Dec. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. R. Neumann & Company. 319,833; Dec. 4; Serial No. 355,318; published Oct. 2, 1934.
Leathers, Mechanical. E. F. Houghton & Co. 43,988; renewed Jan. 10, 1935.
Seeds, Grass, field and agricultural. E. W. Conklin & Son, Inc. 101,307; renewed Dec. 8, 1914.

CLASS 2

Cartons, boxes, and paper bags. A. Jarvis. 103,855; renewed Apr. 20, 1935.
Compacts and combination vanity boxes, etc. Richard Hudnut. 319,821; Dec. 4; Serial No. 352,376; published Oct. 2, 1934.
Receptacles and cases. Patent Button Company. 319,805; Dec. 4; Serial No. 353,034; published Oct. 2, 1934.

CLASS 3

Handbags and pocketbooks, Ladies'. Harlic Bag Co. 319,637; Dec. 4; Serial No. 353,647; published Oct. 2, 1934.
Trunks, suitcases, and traveling-bags. Kamlee Company. 100,557; renewed Oct. 20, 1934.

CLASS 4

Abrasive stones and abrasive grinding or sharpening wheels. Anton Till & Adolf Haslauer. 319,802; Dec. 4; Serial No. 354,483; published Sept. 25, 1934.
Cleaning preparation. Tasso Company. 319,699; Dec. 4; Serial No. 353,489; published Sept. 25, 1934.
Cream and the like, Shaving. R. W. Storrs, jr. 319,762; Dec. 4; Serial No. 354,878; published Sept. 25, 1934.
Polish, Silver. Gorham Manufacturing Co. 101,446; renewed Dec. 15, 1934.
Soap. B. J. Johnson Soap Company. 102,862; renewed Feb. 23, 1935.
Soap. Lingner-Werke Aktiengesellschaft. 97,429; renewed June 2, 1934.
Soap. Montgomerie, Stobo & Co. 99,897; renewed Sept. 22, 1934.
Soap and a household cleaning preparation, Hand. G. Mychuda. 319,707; Dec. 4; Serial No. 354,051; published Sept. 25, 1934.
Soap for dogs. Mercirex Co. 319,708; Dec. 4; Serial No. 354,049; published Sept. 25, 1934.

CLASS 6

Amorphous wax. L. Sonneborn Sons, Inc. 319,814; Dec. 4; Serial No. 354,359; published Sept. 25, 1934.
Analgesic. General Drug Company. 319,673; Dec. 4; Serial No. 354,374; published Sept. 25, 1934.
Anti-freeze compounds. Carbide and Carbon Chemicals Corporation. 319,794; Dec. 4; Serial No. 354,838; published Sept. 25, 1934.
Antiseptic and anesthetic. M. Liss. 319,723; Dec. 4; Serial No. 353,283; published Sept. 25, 1934.
Antiseptic powder. E. J. Goodier. 319,654; Dec. 4; Serial No. 354,154; published Sept. 25, 1934.
Astringents, bleach creams, cold creams, etc. F. C. Reilly. 319,610; Dec. 4; Serial No. 354,176; published Sept. 25, 1934.
Bacterial antigens, Seven kinds of. Eli Lilly and Company. 319,661; Dec. 4; Serial No. 354,660; published Sept. 25, 1934.
Bitters, Stomach. Società Anonima Fratelli Branca. 319,742; Dec. 4; Serial No. 343,799; published Sept. 25, 1934.
Bluing. Reckitt's (U. S. A.), Ltd. 319,716; Dec. 4; Serial No. 353,859; published Sept. 25, 1934.
Carburizers for liquid baths. E. F. Houghton & Co. 319,710; Dec. 4; Serial No. 353,086; published Sept. 18, 1934.
Chemical inhibitor. American Chemical Paint Company. 319,674; Dec. 4; Serial No. 354,363; published Sept. 18, 1934.
Chemicals used in photographic processes. H. S. Wellcome. 44,219; renewed Feb. 21, 1935.
Concentrate of the Paso Robles Mineral Hot Springs Sulphur water, a diuretic. Pasco Robles Concentrates, Inc. 319,808; Dec. 4; Serial No. 353,110; published Sept. 18, 1934.
Cough drops. Wilson Chemical Company. 319,652; Dec. 4; Serial No. 354,145; published Sept. 25, 1934.
Cream, Complexion. Vita-Ray Corporation. 319,612; Dec. 4; Serial No. 354,181; published Sept. 25, 1934.
Deodorant, Creme. M. Lambert. 319,635; Dec. 4; Serial No. 353,660; published Sept. 25, 1934.
Deodorizers. Cando Corporation. 319,736; Dec. 4; Serial No. 354,344; published Sept. 25, 1934.
Depilatories and body deodorants. O. D. C. Corporation. 319,671; Dec. 4; Serial No. 354,385; published Sept. 25, 1934.
Dyes and chemical preparations for dyeing purposes. Actien-Gesellschaft für Anilin-Fabrikation. 43,705; renewed Nov. 15, 1934.
Food supplement for dogs, cats, etc., Mineral. J. F. McKenna. 319,733; Dec. 4; Serial No. 354,315; published Sept. 18, 1934.
Germicide. Northern Research Laboratories, Inc. 319,693; Dec. 4; Serial No. 340,232; published Sept. 25, 1934.
Germicide and antiseptic. H. L. Henzerling. 319,620; Dec. 4; Serial No. 349,280; published Sept. 25, 1934.
Hair and scalp tonic. S. A. Baker. 319,711; Dec. 4; Serial No. 353,967; published Sept. 25, 1934.
Hair preparations, creams, lotions, etc. Service Laboratories. 319,767; Dec. 4; Serial No. 352,001; published Sept. 25, 1934.
Incense. Senzodor, Inc. 319,731; Dec. 4; Serial No. 354,268; published Sept. 25, 1934.
Insecticides, insect sprays, and cattle sprays. Fleet-Wing Corporation. 319,653; Dec. 4; Serial No. 354,151; published Sept. 25, 1934.
Lanoline wool-fats and mixtures containing the same. Pfaltz & Bauer, Inc. 319,688; Dec. 4; Serial No. 346,374; published Sept. 25, 1934.
Liquid treatment for athlete's foot, impetigo, etc. R. Q. Howe. 319,801; Dec. 4; Serial No. 354,509; published Sept. 25, 1934.

Lotion, Hand. Mendenhall No. 1 Pharmacy, Inc. 319,686; Dec. 4; Serial No. 346,443; published Sept. 25, 1934.
Malt extract. Peter Schoenhofen Brewing Company. 100,729; renewed Oct. 20, 1934.
Medical preparation. McKesson & Robbins, Incorporated. 319,782; Dec. 4; Serial No. 353,613; published Sept. 18, 1934.
Medical compounds. Actien-Gesellschaft für Anilin-Fabrikation. 43,628; renewed Nov. 1, 1934.
Medicinal fluid extracts. Burroughs, Wellcome & Co. 11,863; renewed Jan. 20, 1935.
Medicinal preparation. Eli Lilly and Company. 319,701; Dec. 4; Serial No. 353,517; published Sept. 18, 1934.
Medicinal preparations. P. W. Camphausen. 101,034; renewed Nov. 10, 1934.
Medicines. B. Belfanti. 44,056; renewed Jan. 24, 1935.
Medicines, Preparations for hypodermic use, etc., Specific. Lloyd Brothers Pharmacists. 319,691; Dec. 4; Serial No. 340,687; published Mar. 20, 1934.
Melissa water. Renouard-Larivière & Cie. 101,492; renewed Dec. 15, 1934.
Oil, bath salts, tissue cream, etc., Nonirritant. Sunlife Chlorophyllian Laboratories. 319,803; Dec. 4; Serial No. 353,106; published Sept. 18, 1934.
Ointment. A. Kachan. 319,824; Dec. 4; Serial No. 352,492; published Sept. 18, 1934.
Perfume, toilet water, bath salts, etc. J. Forstrem. 319,619; Dec. 4; Serial No. 350,795; published Sept. 18, 1934.
Perfumes and toilet waters. Jean Patou, Inc. 319,694; Dec. 4; Serial No. 353,682; published Sept. 25, 1934.
Perfumes and toilet waters. J. Patou. 319,696; Dec. 4; Serial No. 353,683; published Sept. 25, 1934.
Pharmaceutical preparations. Medico Chemical Corporation of America. 319,784; Dec. 4; Serial No. 353,527; published Sept. 25, 1934.
Pharmaceutical preparations. Yozo Co. 101,244; renewed Nov. 17, 1934.
Powders and make-up lotions, Face. Elmo, Inc. 319,813; Dec. 4; Serial No. 352,607; published Sept. 25, 1934.
Powders, rouges, creams, etc. Crystal Corporation. 319,740; Dec. 4; Serial No. 344,842; published Sept. 18, 1934.
Preparation for coughs, colds, etc. L. Pautauberge Société A Responsabilité Limitée. 319,650; Dec. 4; Serial No. 352,921; published Sept. 25, 1934.
Preparation for treatment of obesity. V. Halper. 319,721; Dec. 4; Serial No. 354,086; published Sept. 18, 1934.
Preparations for hay fever, asthma, etc. Talby-Nason Company. 319,682; Dec. 4; Serial No. 347,424; published Apr. 3, 1934.
Preparations for the feet. Riker & Hegeman Co. 102,984; renewed Mar. 9, 1935.
Preparations for the treatment of cancers. F. P. Feazel. 319,781; Dec. 4; Serial No. 353,631; published Sept. 25, 1934.
Preparations for the treatment of diseases. Kalle & Co., Aktiengesellschaft. 100,983; renewed Nov. 3, 1934.
Remedies for diseases of animals. A. A. Wells. 99,923; renewed Sept. 22, 1934.
Remedy for diabetes, gout, skin affections, etc. Hefefabrik Emmerthal, Gesellschaft mit beschränkter Haftung. 101,161; renewed Nov. 19, 1934.
Repellent in the form of a spray preparation, Noninjurious animal. A. J. Vocke. 319,807; Dec. 4; Serial No. 353,189; published Sept. 18, 1934.
Salt, Mentholated. L. S. Tubin. 319,738; Dec. 4; Serial No. 353,197; published Sept. 18, 1934.
Serum, Curative. Serum Laboratorium Ruete-Enoch. 43,703; renewed Nov. 15, 1934.
Soporifics. Kalle & Co. 43,656; renewed Nov. 8, 1934.
Starch for use in the manufacture of paper. A. M. Meincke & Son, Inc. 319,689; Dec. 4; Serial No. 346,318; published Sept. 18, 1934.
Starches used in textile trade. Hubinger Co. 319,660; Dec. 4; Serial No. 354,683; published Sept. 18, 1934.
Sulfate, Ferric. Westmoreland Chemical and Color Company. 102,990–1; renewed Mar. 9, 1935.
Tonic for body building. Rivas & Co., Inc. 319,709; Dec. 4; Serial No. 354,004; published Sept. 25, 1934.
Tonics, Nutritive. Riker & Hegeman Co. 102,983; renewed Mar. 9, 1935.
Tooth paste. Lambert Pharmacal Company. 319,623; Dec. 4; Serial No. 349,729; published Sept. 25, 1934.
Tooth powder. B. Brock. 319,622; Dec. 4; Serial No. 349,769; published Sept. 25, 1934.

CLASS 7

Cord, rope and twine. Grady-Travers Company. 319,632; Dec. 4; Serial No. 354,795; published Oct. 2, 1934.
Cord, rope and twine. Grady-Travers Company. 319,633; Dec. 4, 1934. Serial No. 354,796; published Oct 2., 1934.

CLASS 8

Pipes, Smoking. Maier Pipe Company. 100,574; renewed Oct. 20, 1934.

CLASS 10

Fertilizers. F. S. Royster Guano Co. 102,448; renewed Feb. 9, 1935.

CLASS 11

Inks, silk screen process colors, etc. Ruxton Products, Inc. 319,793; Dec. 4; Serial No. 355,120; published Oct. 2, 1934.

CLASS 12

Asphaltum product of crude oil. Standard Oil Company. 101,882; renewed Jan. 12, 1935.
Bricks or blocks, Refractory. Norton Company. 100,877–8; renewed Oct. 27, 1934.
Caulking compounds and stearate paste. Penola Inc. 319,826; Dec. 4; Serial No. 355,116; published Sept. 25, 1934.
Sealer and filler for concrete and masonry, Liquid. Truscon Laboratories. 319,681; Dec. 4; Serial No. 347,762; published Sept. 25, 1934.

CLASS 13

Hardware supplies. Geuder, Paeschke & Frey Co. 103,059; renewed Mar. 16, 1935.
Pots, pans, and kettles, Vitreous enamel. Polar Ware Company. 319,618; Dec. 4; Serial No. 350,808; published Sept. 25, 1934.

CLASS 14

Aluminum castings. Aluminum Castings Company. 100,741; renewed Oct. 27, 1934.

CLASS 15

Enamel. A. Wilhelm Company. 103,307; renewed Mar. 30, 1935.
Enamels. Gerstendorfer Bros. 44,341; renewed Mar. 21, 1935.
Gasoline. Texas Company. 319,829; Dec. 4; Serial No. 354,315; published Sept. 25, 1934.
Gasoline, lubricating oils and greases. Fleet-Wing Corporation. 319,772; Dec. 4; Serial No. 351,500; published Sept. 25, 1934.
Greases, Marine lubricating. Penola Inc. 319,621; Dec. 4; Serial No. 350,389; published Sept. 25, 1934.
Oil, Colloidal graphited. Grafinoyl Co. 319,822; Dec. 4; Serial No. 352,461; published Sept. 25, 1934.
Oil-colors in tubes and water colors. H. Schmincke & Co. 101,014; renewed Nov. 3, 1934.
Oil, Lubricating. Philco Oil Co. 319,857; Dec. 4; Serial No. 355,231; published Sept. 25, 1934.
Oil made from petroleum; and lubricating greases. Compagnie Financière Belge des Pétroles Société Anonyme. 319,685; Dec. 4; Serial No. 346,951; published Sept. 25, 1934.
Oils and greases, refined oil and gasoline, Lubricating. Standard Oil Company. 101,430; renewed Dec. 8, 1934.
Oils, Transformer. Standard Oil Company of New Jersey. 319,614; Dec. 4; Serial No. 354,777; published Sept. 25, 1934.
Paint and varnish remover. Adams & Elting Co. 43,811; renewed Dec. 6, 1934.
Paints. A. Wilhelm Company. 103,308; renewed Mar. 30, 1935.
Petroleum wax. Socony-Vacuum Oil Company. 319,791; Dec. 4; Serial No. 355,078; published Sept. 25, 1934.
Petroleum waxes. Atlantic Refining Company. 319,665–7; Dec. 4; Serial Nos. 354,555–7; published Sept. 25, 1934.

CLASS 21

Battery connectors. Heyer Products Company. 319,694; Dec. 4; Serial No. 333,258; published Sept. 25, 1934.
Electric lamp sockets, switches, fuses, etc. General Electric Company. 319,639; Dec. 4; Serial No. 352,727; published Sept. 25, 1934.
Electric starting, lighting, generating, and ignition parts and supplies. P. & D. Manufacturing Company. 319,706; Dec. 4; Serial No. 353,723; published Sept. 25, 1934.
Electric transformers, circuit controllers, switches, etc. General Electric Company. 319,642; Dec. 4; Serial No. 352,736; published Sept. 25, 1934.
Electrical apparatus and supplies. H. W. Johns-Manville Co. 101,581; renewed Dec. 29, 1934.
Radio dials. D. W. May Corporation. 319,865; Dec. 4; Serial No. 355,148; published Sept. 25, 1934.

CLASS 22

Baseball bats. Hillerich & Bradsby Co. 319,843; Dec. 4; Serial No. 355,473; published Oct. 2, 1934.

CLASS 23

Bûshes or bushings, millers, reamers, etc. "Stabag" Stahlbüchsen A. G. 319,837; Dec. 4; Serial No. 352,296; published Sept. 25, 1934.
Files and rasps. Nicholson File Company. 101,408; renewed Dec. 8, 1934.
Grinders, Portable food. M. Hauser. 319,636; Dec. 4; Serial No. 353,648; published Sept. 25, 1934.
Printing presses and parts thereof, Rotary. Duplex Printing Press Co. 319,768; Dec. 4; Serial No. 351,973; published Sept. 25, 1934.
Razor blades, Safety. Linco Blade Co. 319,854; Dec. 4; Serial No. 332,193; published Sept. 25, 1934.
Sweepers, Suction. Spiegel, May, Stern Company. 101,017; renewed Nov. 3, 1934.
Tools and parts thereof, Oil well. Lane-Wells Co. 319,715; Dec. 4; Serial No. 353,897; published Sept. 25, 1934.
Type-writing machines and parts thereof. Royal Typewriter Company. 103,679; renewed Apr. 13, 1935.

CLASS 26

Cameras. Levy-Roth G. m. b. H. 100,987; renewed Nov. 3, 1934.
Cameras, Photographic. Universal Camera Corporation. 319,692; Dec. 4; Serial No. 340,246; published Sept. 25, 1934.
Heat-refractory plates, tubes, muffles, etc. Norton Company. 100,998–9; renewed Nov. 3, 1934.
Measuring and scientific appliances. Die Altstädtische Optische Industrie-Anstalt Nitsche & Günther. 100,962–3; renewed Nov. 3, 1934.
Science set, Student's. N. H. M. Campbell. 319,687; Dec. 4; Serial No. 346,390; published Sept. 25, 1934.
Scientific appliances, and supplies therefor. Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe. 99,281; renewed Aug. 25, 1934.
Strip photograph machines and cameras. E. E. Lee. 319,883; Dec. 4.

CLASS 27

Clocks. General Electric Company. 319,641; Dec. 4; Serial No. 352,733; published Oct. 2, 1934.

CLASS 28

Jewelry. D. Pfeffer. 319,720; Dec. 4; Serial No. 354,135; published Sept. 25, 1934.
Jewelry. Trifari, Krussman & Fishel, Inc. 319,748; Dec. 4; Serial No. 354,913; published Sept. 25, 1934.
Knives, forks, spoons, and carving sets. Spaulding-Gorham, Inc. 319,871; Dec. 4.

CLASS 29

Brushes. Henry L. Hughes Co. 319,825; Dec. 4; Serial No. 352,618; published Oct. 2, 1934.

CLASS 32

Bed springs. Sleepwell Metal Bed Co., Inc. 319,760; Dec. 4; Serial No. 354,911; published Sept. 25, 1934.
Crib for children, Folding. E. M. Trimble. 101,548; renewed Dec. 22, 1934.
Mattresses, bed springs, pillows, etc. Ludwig Baumann & Company. 319,811; Dec. 4; Serial No. 352,088; published Sept. 25, 1934.
Slip covers. Crawford Manufacturing Co. 319,882; Dec. 4.

CLASS 34

Furnaces, Gas and oil burning. General Electric Company. 319,640; Dec. 4; Serial No. 352,735; published Sept. 25, 1934.
Ventilators. W. H. Jardine. 100,829; renewed Oct. 27, 1934.

CLASS 35

Belt-lacing, Cut. Chas. A. Schieren Company. 103,680; renewed Apr. 13, 1935.
Belting, rubber-fabric, metallic hose, etc., Rubber. H. W. Johns-Manville Co. 101,467; renewed Dec. 15, 1934.
Packings for use on engines and compressors. France Packing Company. 319,877; Dec. 4.
Rubber packing for machinery. Goodyear Tire & Rubber Company. 102,402; renewed Feb. 9, 1935.

CLASS 36

Musical instrument accessories. Simson & Frey. 319,818; Dec. 4; Serial No. 354,578; published Sept. 25, 1934.

CLASS 37

Erasers, Rubber. American Lead Pencil Company. 101,614; renewed Jan. 5, 1935.
Paper. Parsons Paper Company. 103,675; renewed Apr. 13, 1935.
Pencils. American Lead Pencil Company. 44,184; renewed Feb. 14, 1935.
Pencils, rubber erasers, and pen-holders. A. W. Faber. 100,302; renewed Oct. 20, 1934.
Pens, file-signals, index-tabs, etc., Metallic. George B. Graff Company. 103,233; renewed Mar. 23, 1935.
Tissues, Cleansing. Veldown Company. 319,881; Dec. 4.

CLASS 38

Magazine. F. E. Atwood. 319,743; Dec. 4; Serial No. 343,381; published Dec. 19, 1933.

CLASS 39

Apparel, Wearing. Elder Manufacturing Company. 319,613; Dec. 4; Serial No. 354,194; published Sept. 25, 1934.
Apparel, Women's wearing. Printz-Biederman Company. 319,638; Dec. 4; Serial No. 352,676; published Sept. 18, 1934.
Dresses, coats, etc. L. Lee. 319,741; Dec. 4; Serial No. 344,436; published Sept. 25, 1934.
Garments, Fur. Kruskal & Kruskal. 100,562; renewed Oct. 20, 1934.
Garments, Knitted. Miriam Grosa Co. 319,651; Dec. 4; Serial No. 354,050; published Sept. 25, 1934.
Gloves. Boss Manufacturing Company. 103,720–2; renewed Apr. 13, 1935.
Hat bodies. Henry Pollak, Inc. 319,609; Dec. 4; Serial No. 354,169; published Sept. 25, 1934.
Hosiery. Benal Hosiery Company. 319,616; Dec. 4; Serial No. 354,741; published Sept. 25, 1934.
Neckties. Berck Neckwear Company. 319,774; Dec. 4; Serial No. 351,343; published Sept. 25, 1934.
Neckties and mufflers, Men's. Sambrooks Limited. 319,745; Dec. 4; Serial No. 342,816; published Sept. 18, 1934.
Shirt-waists, Ladies'. I. Kaits. 100,835; renewed Oct. 27, 1934.
Shirts and pajamas. L. J. Silverman. 319,625; Dec. 4; Serial No. 349,444; published Sept. 18, 1934.
Shoes. Hecht & Co. 100,326; renewed Oct. 20, 1934.
Skirts, blouses, sweaters, etc. J. Saftlas. 319,683; Dec. 4; Serial No. 347,190; published Mar. 27, 1934.
Slips, petticoats, gowns, etc. Bonnie Fide Undergarment Co. Inc. 319,819; Dec. 4; Serial No. 352,309; published Sept. 18, 1934.
Socks, Men's. Great American Knitting Mills, Inc. 319,669; Dec. 4; Serial No. 354,441; published Sept. 25, 1934.
Suits and ski pants, Snow. Lakeland Mfg. Co. 319,722; Dec. 4; Serial No. 354,466; published Sept. 18, 1934.
Suits, sun suits, etc., Swimming. Gantner & Mattern Co. 319,620; Dec. 4; Serial No. 350,241; published Sept. 18, 1934.
Underwear. R. H. Macy & Co. 319,739; Dec. 4; Serial No. 353,219; published Sept. 18, 1934.

CLASS 40

Toilet sets, Dresser and bag. Amerith Incorporated. 319,725; Dec. 4; Serial No. 354,233; published Sept. 25, 1934.
Toilet sets, Dresser and bag. Art Ivory, Incorporated. 319,726–7; Dec. 4; Serial Nos. 354,234–5; published Sept. 25, 1934.
Buckles for hose supporters, suspenders, and the like. Ansonia O & C Company. 319,705; Dec. 4; Serial No. 353,744; published Sept. 25, 1934.

CLASS 41

Umbrellas with detachable handles. Polan, Kats & Company. 319,880; Dec. 4.

CLASS 42

Cloth, Casket. A. D. Juilliard & Company. 319,853; Dec. 4; Serial No. 354,375; published Sept. 25, 1934.
Cotton broadcloths. N. P. Rivera. 319,783; Dec. 4; Serial No. 353,539; published Sept. 25, 1934.
Piece goods of silk, cotton, linen, etc. Manville Company. 103,438; renewed Apr. 6, 1935.
Textile fabrics. Esmond Mills. 103,614; renewed Apr. 6, 1935.
Towels, wash-cloths, bath-mitts, etc. San-Knit-ary Textile Mills Incorporated. 100,426; renewed Oct. 20, 1934.

CLASS 43

Thread and yarn of artificial origin. North American Rayon Corporation. 319,662; Dec. 4; Serial No. 354,629; published Sept. 25, 1934.
Thread and yarn of artificial origin. North American Rayon Corporation. 319,778; Dec. 4; Serial No. 354,631; published Sept. 25, 1934.
Thread and yarn of artificial origin. North American Rayon Corporation. 319,816; Dec. 4; Serial No. 354,627; published Sept. 25, 1934.

CLASS 44

Absorbent cotton and gauze, bandages, etc. Lewis Manufacturing Company. 103,242; renewed Mar. 23, 1935.
Bandages. E. Bender. 100,947; renewed Nov. 8, 1934.
Medical and surgical appliances. Nyal Company. 103,790; renewed Apr. 13, 1935.
Rugae-molds. Columbus Dental Manufacturing Co. 103,417; renewed Apr. 6, 1935.
Surgical sutures. C. De Witt Lukens Surgical Manufacturing Co. 100,366; renewed Oct. 20, 1934.
Teeth and teeth-facings, Artificial. Columbus Dental Manufacturing Co. 100,277; renewed Oct. 20, 1934.

CLASS 46

Apples. Oakglen Apple Growers' Association. 100,601; renewed Oct. 20, 1934.
Bacon and hams. William Davies Co. 319,789; Dec. 4; Serial No. 355,057; published Oct. 2, 1934.
Baking powder, pudding powder, food drinks, extracts, etc. H. D. Braeutigam. 319,690; Dec. 4; Serial No. 345,853; published Sept. 25, 1934.
Biscuit. National Biscuit Company. 103,730; renewed Apr. 13, 1935.
Bread. J. F. Renz and Sons. 319,787; Dec. 4; Serial No. 355,040; published Sept. 25, 1934.
Bread, rolls, cake, etc. Ed. Delorge Baking and Ice Cream Co. 319,820; Dec. 4; Serial No. 352,314; published Oct. 2, 1934.
Candies, chocolates, jellies, etc. Mary Elizabeth's. 101,703; renewed Jan. 5, 1935.
Candy. T. K. Faulkner. 319,717; Dec. 4; Serial No. 353,798; published Oct. 2, 1934.
Candy. Great Atlantic & Pacific Tea Company. 319,681; Dec. 4; Serial No. 354,797; published Sept. 25, 1934.
Candy. Maskey's, Inc. 100,579; renewed Oct. 20, 1934.
Canned dog and cat food. Animal Foods Company. 319,763; Dec. 4; Serial No. 354,884; published Sept. 25, 1934.

Canned fruits. National Fruit Canning Co. 319,629; Dec. 4; Serial No. 354,805; published Sept. 25, 1934.
Canned herrings in tomato sauce. Chr. Bjelland & Co. 103,087; renewed Mar. 16, 1934.
Canned sardines. Chr. Bjelland & Co. 102,030; renewed Jan. 26, 1935.
Canned sardines. Chr. Bjelland & Co. 102,360; renewed Feb. 9, 1935.
Canned sardines. Chr. Bjelland & Co. 103,084–6; renewed Mar. 16, 1935.
Canned sardines. Chr. Bjelland & Co. 103,088; renewed Mar. 16, 1935.
Canned sardines. Chr. Bjelland & Co. 103,745–6; renewed Apr. 13, 1935.
Cheese product. A. Schmidt. 319,815; Dec. 4; Serial No. 354,358; published Sept. 25, 1934.
Cocoa and salad dressing. Great Atlantic & Pacific Tea Company. 319,630; Dec. 4; Serial No. 354,798; published Sept. 25, 1934.
Coffee. Coffeepak Company. 319,872; Dec. 4.
Coffee. Rich Maid Manufacturing Company. 319,670; Dec. 4; Serial No. 354,388; published Sept. 25, 1934.
Crackers. Paul Schulze Biscuit Co. 319,734; Dec. 4; Serial No. 354,322; published Sept. 25, 1934.
Cream bar, Chocolate covered frozen. L. G. Baker. 319,718; Dec. 4; Serial No. 353,745; published Sept. 25, 1934.
Extracts, Flavoring. H. Kohnstamm & Co. 103,818; renewed Apr. 13, 1935.
Extracts, Flavoring. H. Kohnstamm & Co. 103,856; renewed Apr. 20, 1935.
Feeds, Poultry. Chas. M. Cox Co. 100,516; renewed Oct. 20, 1934.
Feeds, Poultry and stock. Chas. M. Cox Co. 100,284; renewed Oct. 20, 1934.
Flour, grape jelly, fruit preserves, etc. Perloff Bros. 319,785; Dec. 4; Serial No. 355,036; published Oct. 2, 1934.
Flour, Soy-bean. Shellabarger Grain Products Company. 319,788; Dec. 4; Serial No. 355,042; published Sept. 25, 1934.
Flour, Wheat. Amendt Milling Co. 101,498; renewed Dec. 22, 1934.
Foods. Sperry & Barnes Co. 102,315; renewed Feb. 2, 1935.
Fruits and vegetables, Frozen. Snider Packing Corporation. 319,873; Dec. 4.
Fruits, Fresh citrus. Engelman Gardens Products Marketing Association. 319,703–4; Dec. 4; Serial Nos. 354,434–5; published Sept. 25, 1934.
Ice cream cones. Lanier Cone Company. 319,776; Dec. 4; Serial No. 350,859; published Sept. 25, 1934.
Mayonnaise and salad dressing. John F. Jelke Company. 319,752; Dec. 4; Serial No. 354,937; published Oct. 2, 1934.
Mustard relish. Widlar Co. 103,773; renewed Apr. 13, 1935.
Peanuts, Salted. Planters Nut & Chocolate Co. 319,615; Dec. 4; Serial No. 354,773; published Oct. 2, 1934.
Peanuts, Salted. Superior Peanut Company. 100,647; renewed Oct. 20, 1934.
Preparations for making frozen desserts. A. A. Knights & Son Corporation. 319,672; Dec. 4; Serial No. 354,377; published Sept. 25, 1934.
Salad-dressing, chilli sauce, mustard, etc. Horton Cato Mfg. Co. 103,696; renewed Apr. 13, 1935.
Salad-dressings. M. A. Meier. 100,582; renewed Oct. 20, 1934.
Salt, Table. Anthony Salt Company. 319,624; Dec. 4; Serial No. 349,704; published Oct. 2, 1934.
Syrup. American Maize-Products Company. 319,838; Dec. 4; Serial No. 352,308; published Oct. 2, 1934.
Syrup, Mixed corn. Hubinger Co. 319,680; Dec. 4; Serial No. 347,567; published Sept. 25, 1934.

CLASS 47

Vermouth. M. S. Ferrandiz. 319,700; Dec. 4; Serial No. 353,509; published Sept. 25, 1934.
Wine. Maison Geisweiler & Fils, Societe Anonyme. 319,645–7; Dec. 4; Serial Nos. 352,867–9; published Sept. 25, 1934.
Wine. I. Pellenberg. 319,809; Dec. 4; Serial No. 352,264; published Sept. 4, 1934.
Wine. I. Pellenberg. 319,835; Dec. 4; Serial No. 352,265; published Sept. 4, 1934.
Wine. E. L. Spellman Co., Inc. 319,769; Dec. 4; Serial No. 351,942; published Sept. 25, 1934.
Wine. Sunny Hill Wineries. 319,828; Dec. 4; Serial No. 354,813; published Sept. 25, 1934.
Wines. W. Beckel. 319,823; Dec. 4; Serial No. 352,465; published Sept. 25, 1934.
Wines. California Importing Company. 319,714; Dec. 4; Serial No. 353,912; published Sept. 25, 1934.
Wines. Dubonnet Wine Corporation. 319,695; Dec. 4; Serial No. 353,710; published Sept. 25, 1934.
Wines. Etablissements Léon Rigault, Societe Anonyme. 319,874–6; Dec. 4.
Wines. Etablissements Léon Rigault, Societe Anonyme. 319,878; Dec. 4.
Wines. Etablissements Léon Rigault, Societe Anonyme. 319,879; Dec. 4.
Wines. G. & L. Fili Cora. 319,779; Dec. 4; Serial No. 352,069; published Sept. 25, 1934.
Wines. Mrs. E. Lewis. 319,698; Dec. 4; Serial No. 353,398; published Sept. 25, 1934.
Wines. F. Mattei. 319,771; Dec. 4; Serial No. 351,925; published Sept. 25, 1934.
Wines. H. R. Pafford. 319,747; Dec. 4; Serial No. 344,802; published Jan. 23, 1934.
Wines. Pasquier Desvignes et Cie., Societe Anonyme. 319,648; Dec. 4; Serial No. 352,872; published Sept. 25, 1934.
Wines. Pasquier-Desvignes et Cie., Société Anonyme. 319,744; Dec. 4; Serial No. 342,850; published Dec. 5, 1933.
Wines. Rawlings & Sons (London) Limited. 319,810; Dec. 4; Serial No. 352,104; published Sept. 25, 1934.
Wines. Sindicato Agricola de Vinadores de Albarizas. 319,643; Dec. 4; Serial No. 352,756; published Sept. 25, 1934.
Wines. Wax & Vitale. 319,679; Dec. 4; Serial No. 348,308; published Sept. 25, 1934.
Wines, Port. Morgado & Silva. 319,775; Dec. 4; Serial No. 351,077; published Sept. 25, 1934.
Wines, Port. Schenley Wine & Spirit Import Corporation. 319,800; Dec. 4; Serial No. 354,577; published Sept. 25, 1934.
Wines, Sparkling. Compagnie Generale des Vins Mousseux de Saumur, Maison Ackerman-Laurance. 102,376; renewed Feb. 9, 1935.

CLASS 48

Beer. Kolb Brewing Company. 319,869; Dec. 4.
Beer. Kolb Brewing Company. 319,884; Dec. 4.
Ingredient in powder form used in brewing beer. J. J. Crane. 319,842; Dec. 4; Serial No. 355,510; published Oct. 2, 1934.

CLASS 49

Aguardiente (alcohol distilled from sugar cane) and wine, Fabrication of. Mexican American Habanero Corporation. 319,866; Dec. 4; Serial No. 355,151; published Sept. 25, 1934.
Applejack brandy. Dutchess County Cider Corp. 319,750; Dec. 4; Serial No. 354,925; published Sept. 25, 1934.
Bitters, cordials, etc., Alcoholic. A. Roguet. 319,684; Dec. 4; Serial No. 347,025; published Sept. 25, 1934.
Brandies. M. A. G. E. L. Bisquit. 319,644; Dec 4; Serial No. 352,866; published Oct. 2, 1934.
Brandy. Pacific Coast Wineries Inc. 319,760; Dec. 4; Serial No. 354,866; published Sept. 25, 1934.
Brandy. Société Anonyme Felix Potin. 319,649; Dec. 4; Serial No. 352,877; published Sept. 25, 1934.
Cordials, Alcoholic. Popper Morson Co. Inc. 319,770; Dec. 4; Serial No. 351,931; published Sept. 25, 1934.
Crème de menthe. W. S. P. Grant. 319,817; Dec. 4; Serial No. 354,612; published Sept. 25, 1934.
Gin. Bunce Allen, Inc. 319,759; Dec. 4; Serial No. 355,005; published Sept. 25, 1934.
Gin. J. Englander. 319,812; Dec. 4; Serial No. 352,072; published Oct. 2, 1934.
Gin. James Van Dissen Distilling Co. 319,777; Dec. 4; Serial No. 354,644; published Oct. 2, 1934.
Gin and whiskey. Chesapeake Distilling and Distributing Company. 319,749; Dec. 4; Serial No. 354,922; published Sept. 25, 1934.
Gin and whiskey. Transamerica Wine & Liquor Corp. 319,724; Dec. 4; Serial No. 353,306; published Sept. 25, 1934.
Gin and whisky. J. David. 319,773; Dec. 4; Serial No. 351 396; published Oct. 2, 1934.
Gin, whiskey, and brandy. Maison Pichel. 319,839–41; Dec. 4; Serial Nos. 355,028–30; published Sept. 25, 1934.
Gin, whiskey, cognac, etc. M. E. Harris. 319,764; Dec. 4; Serial No. 354,897; published Sept. 25, 1934.
Highballs, Whiskey. Tom Collins Corporation. 319,737; Dec. 4; Serial No. 354,348; published Oct. 2, 1934.
Mint julep, Alcoholic. Tom Collins Corporation. 319,663; Dec. 4; Serial No. 354,561; published Oct. 2, 1934.
Rum. Rum Company. 319,627; Dec. 4; Serial No. 354,808; published Sept. 25, 1934.
Rum. Rum Company. 319,628; Dec. 4; Serial No. 354,806; published Sept. 25, 1934.
Rum. Rum Company. 319,827; Dec. 4; Serial No. 354,809; published Sept. 25, 1934.
Whiskey. American Medicinal Spirits Company. 319,676; Dec. 4; Serial No. 342,330; published Dec. 19, 1933.
Whiskey. American Medicinal Spirits Company. 319,746; Dec. 4; Serial No. 342,564; published Dec. 5, 1933.
Whiskey. Frankfort Distilleries, Incorporated. 319,856; Dec. 4; Serial No. 355,253; published Sept. 25, 1934.
Whiskey. Highland Distilleries Products Corp. 319,719; Dec. 4; Serial No. 347,354; published Mar. 27, 1934.
Whiskey. W. R. Howard Company. 319,806; Dec. 4; Serial No. 353,020; published Sept. 25, 1934.
Whiskey. Lionel Distilled Products, Inc. 319,702; Dec. 4; Serial No. 353,519; published Oct. 2, 1934.
Whiskey. Pacific Liquor Company. 319,730; Dec. 4; Serial No. 354,258; published Sept. 25, 1934.
Whiskey. Philadelphia Pure Rye Whiskey Distilling Company of Pennsylvania, Limited. 319,786; Dec. 4; Serial No. 355,038; published Sept. 25, 1934.

Whiskey. Geo. G. Sandeman Sons & Co. Limited. 319,713; Dec. 4; Serial No. 353,948; published Sept. 25, 1934.
Whiskey. Joseph E. Seagram & Sons, Inc. 319,761; Dec. 4; Serial No. 354,875; published Sept. 25, 1934.
Whiskey. Tonkin Distributing Co. 319,735; Dec. 4; Serial No. 354,330; published Oct. 2, 1934.
Whiskey. Hiram Walker & Sons, Inc. 319,804; Dec. 4; Serial No. 353,049; published Oct. 2, 1934.
Whiskey. Washington Wholesale Liquor Corporation. 319,756; Dec. 4; Serial No. 354,965; published Sept. 25, 1934.
Whiskey. Weideman Co. 319,668; Dec. 4; Serial No. 354,532; published Sept. 25, 1934.
Whiskey. Western Distillers Corporation. 319,844; Dec. 4; Serial No. 355,419; published Sept. 25, 1934.
Whiskey and gin. James Clark Distilling Corporation. 319,795; Dec. 4; Serial No. 354,839; published Sept. 25, 1934.
Whiskey and gin. Lynndale Distillery Company. 319,753; Dec. 4; Serial No. 354,940; published Sept. 25, 1934.
Whiskey and gin. A. Rossano, Inc. 319,836; Dec. 4; Serial No. 352,268; published Oct. 2, 1934.
Whiskey, brandy, gin, etc. Brown-Forman Distillery Company. 319,757; Dec. 4; Serial No. 354,976; published Sept. 25, 1934.
Whiskey, brandy, gin, etc. California Orange Products Laboratories, Ltd. 319,728–9; Dec. 4; Serial Nos. 354,241–2; published Sept. 25, 1934.
Whiskey, brandy, gin, etc. Capitol Distributors Corporation. 319,834; Dec. 4; Serial No. 355,350; published Sept. 25, 1934.
Whiskey, brandy, gin, etc. Hillcrest Distilling Corporation. 319,751; Dec. 4; Serial No. 354,933; published Sept. 25, 1934.
Whiskey, brandy, gin, etc. Lynndale Distillery Company. 319,754; Dec. 4; Serial No. 354,941; published Sept. 25, 1934.
Whiskey, brandy, gin, etc. Old Quaker Company. 319,830; Dec. 4; Serial No. 354,864; published Dec. 5, 1933.
Whiskey, brandy, gin, etc. Joseph E. Seagram & Sons. 319,831; Dec. 4; Serial No. 354,876; published Sept. 25, 1934.
Whiskey, brandy, gin, etc. Southern California Distilleries, Ltd. 319,732; Dec. 4; Serial No. 354,269; published Sept. 25, 1934.
Whiskey, Corn. Philip Blum & Co. 319,852; Dec. 4; Serial No. 355,347; published Sept. 25, 1934.
Whiskey, gin, alcoholic cordials, etc. J. S. Polefsky. 319,675; Dec. 4; Serial No. 355,000; published Sept. 25, 1934.
Whiskey, gin, and brandy. Selected Kentucky Distillers, Inc. 319,755; Dec. 4; Serial No. 354,955; published Sept. 25, 1934.
Whiskey, gin, brandy, etc. Montebello Distillers. 319,656–9; Dec. 4; Serial Nos. 354,694–7; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 319,611; Dec. 4; Serial No. 355,177; published Oct. 2, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 319,858; Dec. 4; Serial No. 355,182; published Oct. 2, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 319,859–61; Dec. 4; Serial Nos. 355,178–80; published Oct. 2, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 319,862–3; Dec. 4; Serial Nos. 355,175–6; published Oct. 2, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 319,864; Dec. 4; Serial No. 355,169; published Oct. 2, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 319,867–8; Dec. 4; Serial Nos. 355,167–8; published Oct. 2, 1934.
Whiskey, gin, rum, etc. William Edward and Theresa Isobel Berard. 319,664; Dec. 4; Serial No. 354,558; published Sept. 25, 1934.
Whiskey, gin, rum, etc. C. Fausz, jr. 319,832; Dec. 4; Serial No. 355,306; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Samuel Freedman Corporation. 319,855; Dec. 4; Serial No. 355,257; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Majestic Distilling Company. 319,765; Dec. 4; Serial No. 354,902; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Majestc Wine & Spirits, Inc. 319,792; Dec. 4; Serial No. 355,109; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Mar-Dis Wines & Spirits Corporation. 319,790; Dec. 4; Serial No. 355,071; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 319,617; Dec. 4; Serial No. 354,734; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 319,655; Dec. 4; Serial No. 354,698; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 319,796–8; Dec. 4; Serial Nos. 354,860–2; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 319,799; Dec. 4; Serial No. 354,865; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 319,845–6; Dec. 4; Serial Nos. 355,409–10; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 319,848–51; Dec. 4; Serial Nos. 355,369–72; published Sept. 25, 1934.
Whiskey, gin, rum, etc. Geo. T. Stagg Company. 319,847; Dec. 4; Serial No. 355,375; published Sept. 25, 1934.
Whiskies and gins. James E. Moroney. 319,677–8; Dec. 4; Serial Nos. 342,617–18; published Oct. 2, 1934.
Whisky. Ainslie & Heilbron (Distillers) Limited. 319,780; Dec. 4; Serial No. 352,063; published Sept. 25, 1934.
Whisky. Ian Macleod & Company. 319,697; Dec. 4; Serial No. 353,663; published Oct. 2, 1934.
Whisky. John Walker & Sons, Limited. 319,712; Dec. 4; Serial No. 353,062; published Oct. 2, 1934.

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Bottle closures. Standard Cap and Seal Corporation. 319,870; Dec. 4.
Ribbons of cellulose. Du-Tone Ribbon Corporation. 319,758; Dec. 4; Serial No. 354,983; published Oct. 2, 1934.

LIST OF LABELS

Arch Built. For Boxes. Hoague-Sprague Corporation. 44,705; Dec. 4.
Bliz-Em Builds Anything. For Toys, More Particularly Sets From Which Different Toys May Be Built. Bliz-Em Toys, Inc. 44,701; Dec. 4.
Clyde's. For Boxes. Hoague-Sprague Corporation. 44,708; Dec. 4.
Fraser's Comf-Aid. For Boxes. Hoague-Sprague Corporation. 44,709; Dec. 4.
Hi-Arch. For Boxes. Hoague-Sprague Corporation. 44,703; Dec. 4.
Marchioness. For Boxes. Hoague-Sprague Corporation. 44,707; Dec. 4.
Nu-Art Agave and Kraft Fibre Products. For Fibre Products. Nu-Art Fibre Produces Company Branch of American Manufacturing Company. 44,713; Dec. 4.
Occident Biscuit Mix. For Prepared Flour. Russell-Miller Milling Co. 44,715; Dec. 4.
Old German. For Beer. The German Brewing Co. 44,702; Dec. 4.
Outdoor Girl. For Boxes. Hoague-Sprague Corporation. 44,706; Dec. 4.
Parkland. For Embossed Tissue. Irwin Paper Co. 44,711; Dec. 4.
Peter Pan. For Sliced Bread. P. F. Petersen Baking Co. 44,714; Dec. 4.
Sani-Flush. For Powdered Compound. For Cleaning Water-Closet Bowls and Automobile Radiators. The Hygienic Products Company. 44,710; Dec. 4.
Sesame Bread. For Bread. Vitab Products, Inc. 44,716; Dec. 4.
Three Star. For Oranges. Murphy Oil Company. 44,712; Dec. 4.
Wilby's. For Boxes. Hoague-Sprague Corporation. 44,704; Dec. 4.

LIST OF PRINTS

Carload Sale. For Soap. Colgate-Palmolive-Peet Company. 14,930; Dec. 4.
Cruising Accelerator. For Cruising Accelerators. R. A. Cook. 14,931; Dec. 4.
Every Day He Burns Up As Much Energy As A Football Player! For Wheat Breakfast Food. The Cream of Wheat Corporation. 14,932; Dec. 4.
Howard's Prestcoal. For Coal, Coke, Fuel Oil and Concentrated Anthracite Hard-Pressed Into Convenient Stove Size Nuggets. Howard Coal & Coke Co. 14,933; Dec. 4.
The House of Bond. For Wines and Liquors. W. G. Bond, Inc. 14,929; Dec. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accounting & Tabulating Corporation of Great Britain Limited. (See English, Francis G. S., assignor.)
Accounting & Tabulating Corporation of Great Britain Limited, The. (See Thomas, A., and Blamey, assignors.)
Aceves, Julius G., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Current amplifying system. 1,982,777; Dec. 4.
Ackerman, Paul C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,982,896; Dec. 4.
Acmeline Manufacturing Company. (See Novak, John L., assignor.)
Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Apparatus for welding. 1,983,159; Dec. 4.
Adams, James L., jr., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Electric welding apparatus. 1,983,160; Dec. 4.
Agfa Ansco Corporation. (See Goldacker, Paul, assignor.)
Agfa Ansco Corporation. (See Kaden, W., and Steifenhofer, assignors.)
Aiken, Daniell, assignor of one-half to A. O. Slogan, San Antonio, Tex. Process and tool for eradicating termites. 1,982,974; Dec. 4.
Aiken, Daniell, assignor of one-half to A. O. Slogan, San Antonio, Tex. Process and tool for eradicating termites. 1,982,975; Dec. 4.
Air Ice Research & Development Corp. (See Clark, Walter G., assignor.)
Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Numbering machine. 1,983,012; Dec. 4.
Aktiebolaget Lesto. (See Nilsson, Richard, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Jonas, Julius, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Van Rijswijk, Willem, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Widmer, S., and Brunner, assignors.)
Alborn, Frank G. (See Schreckengost, V., and Alborn.)
Alborn, Frank G., and V. Schreckengost, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,959; Dec. 4.
Alborn, Frank G., and V. Schreckengost, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,960; Dec. 4.
Albright, Joseph C., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Regulating system. 1,983,429; Dec. 4.
Albright, William M., Hemet, Calif. Cushion stop for shears. 1,982,942; Dec. 4.
Aldrich Pump Company. (See Holveck, Joseph E., assignor.)
Allbestos Corporation. (See Kitchen, William G., assignor.)
Alleman, Gellert, Wallingford, and A. F. S. Musante, Media, assignors to Sun Oil Company, Philadelphia, Pa. Apparatus for determining critical temperatures. 1,982,620; Dec. 4.
Allen, Edward B., and M. D. Knox, Newton, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Pull-off mechanism for sewing machines. 1,983,263; Dec. 4
All-Steel-Equip Company. (See Knell, John, assignor.)
Alltrec, Arthur, Pressall, near Fleetwood, England. Change speed gearing. 1,982,976; Dec. 4.
Altmayer, John. (See Rose, C. C., and Altmayer.)
Altvater, Arthur W., University City, Mo. Device for forming cut-outs. 1,982,943; Dec. 4.
Amalgamated Roofing Company. (See Maclean, Robert, assignor.)
Ambroz, Joseph G., and L. L. Fish, Chicago, Ill. Quick action float valve. 1,983,061; Dec. 4.
American Bank Note Company. (See Aitchison, Peter, assignor.)
American Engineering Company. (See Koons, Charles V., assignor.)
American Forging and Socket Company, The. (See Saunders, W. S., and McGregor, assignors.)
American Fork & Hoe Company, The. (See Cowdery, Robert H., assignor.)
American Fork & Hoe Company, The. (See Durell, George B., assignor.)
American Laundry Machinery Company, The. (See Heidenfelder, Fred A., assignor.)
American Moistening Company. (See Cable, Julius L., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Steel & Wire Company. (See Czemba, Frank, assignor.)
American Telephone and Telegraph Company. (See Heitsmith, William J., assignor.)
American Telephone and Telegraph Company. (See Schreiber, Ernst H., assignor.)
Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Multipole switch. 1,983,331; Dec. 4.
Andersen, Bjorn, Maplewood, N. J., assignor to Celluloid Corporation. Cellulose derivative articles and preparing the same. 1,982,778; Dec. 4.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, Cyrus W., Denver, Colo. Medical arts sterility slide rule. 1,983,062; Dec. 4.
Anderson, Earl R., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Preparing spinach for canning. 1,982,944; Dec. 4.
Angelo, Andrew, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the packing of glass sheets. 1,982,621; Dec. 4.
Anger, Edward W., Chicago, Ill. Fluid pressure system. 1,982,622; Dec. 4.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Magnetic duo-servo brake. 1,983 332; Dec. 4.
Appleton Electric Company. (See Goetzelman, William, assignor.)
Arden Box Toe Company. (See Lovell, Stanley P., assignor.)
Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,961; Dec. 4.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Antislagging arrangement. 1,983,333; Dec. 4.
Armstrong Cork Company. (See McCarthy, J. Clarence, assignor.)
Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 1,982,945; Dec. 4.
Arnao, Charles, Co., Inc., The. (See Davis, Rex E., assignor.)
Arnao, Charles Company, Inc. (See Davis, R. E., and Nielsen, assignors.)
Ashcraft, Clarence S., Los Angeles, Calif. Electric arc and producing same. 1,983,430; Dec. 4.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread supply and handling device. 1,983,161; Dec. 4.
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Aster, Johanna E., New York, N. Y. Cigarette holder. 1,983,013; Dec. 4.
Atlas Powder Company. (See McFarland, David M., assignor.)
Atwater Kent Manufacturing Company. (See Silva, Albert D., assignor.)
Auditorium Conditioning Corporation. (See Fleisher, Walter L., assignor.)
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Forming insulator caps. 1,983,334; Dec. 4.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 1,983,335; Dec. 4.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Pothead. 1,983,336; Dec. 4.
Austin, Harold R., South Norwalk, Conn., assignor to M. W. Kellogg Co., New York, N. Y. X-ray apparatus. 1,983,014; Dec. 4.
Austral Window Company. (See Ellison, Edward H., assignor.)
Automatic Electric Company Limited. (See Saxby, Robert N., assignor.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Tomato coring machine. 1,982,779; Dec. 4.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
B. & D. Manufacturing Company. (See Buckman, Harold W., assignor.)
Badger, Thomas N., Berkeley, Calif. Dustpan. 1,982,849; Dec. 4.
Baer, Robert N. (See Troll, Frederick J., assignor.)
Bailey, Ervin G., Easton, assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace wall. 1,982,623; Dec. 4.
Bailey, James H., New Canaan, assignor to Hart, Cooley, Highton, Co., New Britain, Conn. Air control register. 1,983,015; Dec. 4.

Bailey Meter Company. (See Albright, Joseph C., assignor.)
Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Motor vehicle transmission. 1,983,063; Dec. 4.
Bakelite Gesellschaft mit beschrankter Haftung. (See Florenz, Martin, assignor.)
Baker, Harold T. (See Olsen, M. W., and Baker.)
Bancroft Walker Co. (See Arkin, Bertha, assignor.)
Banke, Marcel. (See Gloor, G., and Banke.)
Banks, Reeve H., Pittsburgh, Pa. Making metal fittings. 1,982,850; Dec. 4.
Bantleon, Herbert G., and C. A. Schubert, Rochester, N. Y. Decorative device for cakes or the like. 1,982,723; Dec. 4.
Baribeau, Frederick H., et al. (See Tabor, William H., assignor.)
Barker, Ernest L., Houston, Tex. Well screen. 1,983,016; Dec. 4.
Barker, George A., Rochester, N. Y. Windshield cleaner. 1,982,624; Dec. 4.
Barker, George A., Rochester, N. Y. Dual manifold construction. 1,982,625; Dec. 4.
Barmer Maschinenfabrik Aktiengesellschaft. (See Lenk, Wilhelm, assignor.)
Barr, Clarence D., and S. D. Moxley, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Centrifugal casting machine for casting hollow metal bodies. 1,983,431; Dec. 4.
Barthelemy, René, Fonteany-Aux-Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz, Montrouge, France. Synchronizing system for television. 1,983,432; Dec. 4.
Bassett, Preston R., Rockville Centre, and E. A. Sperry, jr., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Flight indicator. 1,982,851; Dec. 4.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bates, Ralph I., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pressure release valve. 1,983,064; Dec. 4.
Bauer, Walter. (See Röhm, O., and Bauer.)
Bauer, Walter, Darmstadt, Germany, assignor, by mesne assignments, to Charles Lennig & Company, Inc. Adhesive. 1,982,946; Dec. 4.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling trackway devices from a rail vehicle. 1,982,626; Dec. 4.
Baum, David, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Electric light socket. 1,982,627; Dec. 4.
Beam, James R. (See Turner, C., Beam, and McAfee.)
Becherer, Fritz, Riehen, near Basel, assignor to the firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of water soluble condensation products of phenol-urea-formaldehyde. 1,982,619; Dec. 4.
Beensen, Charles H. (See Warren, J. P., and Beensen.)
Behrens, Albert I., assignor to Trautmann, Bailey & Blampey, Inc., New York, N. Y. Combination container. 1,982,780; Dec. 4.
Belger, Fred S. (See Eustis, R. I., and Belger.)
Belcher, Harold H., assignor to Philadelphia Drying Machinery Company, Philadelphia, Pa. Tentering and drying machine. 1,983,264; Dec. 4.
Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Buckley, Oliver E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., Davis, and Richard, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hickman, Clarence N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Van Inwagen, Charles L., jr., assignor.)
Bellows, Warren S., Shaker Heights, Ohio. Table construction. 1,983,065; Dec. 4.
Belsinger, Samuel P., Atlanta, Ga. Shipping container. 1,983,265; Dec. 4.
Benbow, James D., and J. B. Green, assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill. Dump wagon. 1,983,433; Dec. 4.
Bendix Aviation Corporation. (See Kliesrath, Victor W., assignor.)
Bendix Aviation Corporation. (See Seward, Clarence L., jr., assignor.)
Bendix Brake Company. (See Apple, Vincent G., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See Sanford, Roy S., assignor.)
Bendix Research Corporation. (See Gregg, David, assignor.)
Benevento, Giuseppe S., Pittsburgh, Pa. Brick veneer. 1,982,724; Dec. 4.
Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Searchlight. 1,983,337; Dec. 4.
Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,962; Dec. 4.
Benjamin Electric Mfg. Co. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Mfg. Co., Des Plaines, Ill. Shock absorbing socket. 1,982,781; Dec. 4.
Benner, Raymond C., and H. E. Stowell, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive wheel. 1,982,628; Dec. 4.
Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Extension handle. 1,982,629; Dec. 4.
Bent, Jesse A., assignor of one-third to S. Q. Shannon and one-third to L. M. Hinds, Los Angeles, Calif. Wire binding. 1,982,630; Dec. 4.
Bergdolt, Alfred, Cologne-on-the-Rhine, G. Schrader, Opladen, and M. Corell, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs containing a pyrene nucleus. 1,982,977; Dec. 4.
Bergert, Henry A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway truck. 1,982,897; Dec. 4.
Bergmann, Friedrich. (See Winkler, F., Hochheim and Bergmann.)
Bergstrom, Eric M., Goring-On-Thames, and W. P. Digby, London, England. Pipe. 1,982,852; Dec. 4.
Berkowitz, Max, Lawrence, N. Y. Pocketbook. 1,983,266; Dec. 4.
Biberman, Eva G., Philadelphia, Pa. Work basket. 1,983,116; Dec. 4.
Binder, Fritz, Kansas City, Mo. Hair waver. 1,982,948; Dec. 4.
Binkert, August. (See Stoll, A., and Binkert.)
Bishop, Edward H., Waverley, near Sydney, New South Wales, Australia. Mold for casting of pipes of cementitious materials. 1,983,117; Dec. 4.
Bissell, Wayne W., New Castle, Pa. Invertible container. 1,982,814; Dec. 4.
Bjornson, Bjorn G., Brooklyn, assignor to Bell Laboratories, Incorporated, New York, N. Y. Gas-filled tube circuit. 1,982,782; Dec. 4.
Black, Theodore, and J. Drew, assignors to The Molaska Corporation, Cleveland, Ohio. Manufacture of powdered molasses. 1,983,434; Dec. 4.
Black, William A., Toronto, Ontario, Canada. Valve lubricating device for combustion engines. 1,983,066; Dec. 4.
Blamey, Reginald C. E. (See Thomas, A., and Blamey.)
Blaw-Knox Company. (See McCrery, Harold E., assignor.)
Blondel, André, Paris, France. Radio signaling system. 1,983,435; Dec. 4.
Blum, Hosmer L., San Francisco, Calif. Toaster. 1,982,631; Dec. 4.
Bodenschatz, August, assignor, by mesne assignments, of sixty one-hundredths to E. M. de Scherbinin, Philadelphia, Pa., twenty one-hundredths to H. B. Walker, Toronto, Ontario, Canada, and twenty one-hundredths to G. Kroupsky, Buffalo, N. Y. Automatic stop mechanism. 1,982,632; Dec. 4.
Boever, Anne M., Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,983,208; Dec. 4.
Bonath, Richard, Bussum, assignor to Werkspoor N. V., Amsterdam, Netherlands. Apparatus for crystallizing solutions by evaporation or cooling. 1,982,978; Dec. 4.
Boonton Molding Company. (See Scribner, George K., assignor.)
Boothby Fibre Can Company. (See Gazette, Marshall E., assignor.)
Borger, Samuel, Brooklyn, N. Y. Dress. Des. 93,963; Dec. 4.
Boston Wire Stitcher Company. (See McClure, Harry T., assignor.)
Bouchard, Blanche E. (See Du Grenier, Francis C., assignor.)
Bourque, Philip, Detroit, Mich. Cooking vessel. 1,893,118; Dec. 4.
Bouwens, Alexander J. W., Inglewood, Calif. Electric lamp or the like. Des. 93,964; Dec. 4.
Bowland, Andrew, Mount Lebanon, Pa. Blast-Furnace stove. 1,983,017; Dec. 4.
Bowser, Sylvanus F., Fort Wayne, Ind. Display box. Des. 93,965; Dec. 4.
Boyd, Randolph, Galva, Ill. Auto bed. 1,983,119; Dec. 4.
Brach, Leon S. (See Brown, W. E., and Brach.)
Brady, Adele S., administratrix. (See Brady, E. J., and Hall.)
Brady, Adele S., administratrix. (See Hall, E. L., Perry, and Brady.)
Brady, Edward J. (See Hall, E. L., Perry, and Brady.)
Brady, Edward J., deceased, Lansdowne, A. S. Brady, administratrix, and E. L. Hall, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas burner control. 1,983,213; Dec. 4.
Bragg, Gilbert A., deceased, by Fidelity Trust Company, executor, assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Treatment of Gas. 1,983,338; Dec. 4.
Brainard, Kenneth A., Santa Monica, Calif. Vehicle. 1,982,853; Dec. 4.
Brandenburger, Leo, Berlin-Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Remote control plant. 1,983,339; Dec. 4.
Breese, James L., jr., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Chicago, Ill. Automatic cut-off device. 1,983,340; Dec. 4.
Brenneis Manufacturing Company, Inc. (See Furrer, Samuel S., assignor.)
Bressler, Albert M., New York, N. Y. Shoe or similar article. Des. 93,966; Dec. 4.

Briggs & Stratton Corporation. (See Armstrong, Werner E., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Brooks, Winfred M., West Orange, N. J. Sealing means. 1,982,783; Dec. 4.
Brosilow, Louis, W. Markoff, and J. Orosz, assignors to Rembrandt Lamp Corporation, Chicago, Ill. Combined break-joint and electric-cord reel casing. 1,982,854; Dec. 4.
Brower, John M., Grand Rapids, Mich. Chair. Des. 93,967; Dec. 4.
Brower, John M., Grand Rapids, Mich. Table. Des. 93,968; Dec. 4.
Brower, William M., Palo Alto, assignor to Stanford Products, Ltd., San Francisco, Calif. Electric clock. 1,983,162; Dec. 4.
Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 93,969; Dec. 4.
Brown, Paul D., Garden City, N. Y. Game. 1,982,633; Dec. 4.
Brown, William E., Milwaukee, Wis., and L. S. Brach, East Orange, N. J.; said Brown assignor to said Brach. Apparatus for and method of testing the condition of the high-tension ignition system of an operating internal combustion engine. 1,983,341; Dec. 4.
Browne, Theodore C., Chicago, Ill., and E. Brugmann, Cambridge, Mass. Electrical conductive element and manufacture. 1,983,267; Dec. 4.
Brugmann, Elmer. (See Browne, T. C., and Brugmann.)
Brunaa, Oluf U. B. J., Jyderup, Denmark, assignor to Gerrard Industries Limited, London, England. Packing box for butter and other goods. 1,983,436; Dec. 4.
Brunner, Gustav. (See Widmer, S., and Brunner.)
Brunner, Walter, and J. J. Mulkern, Glendale, Calif. Combination cigarette case and match holder. 1,982,855; Dec. 4.
Brylski, Lukas, Mikultschutz, Germany. Apparatus for grinding and stropping hollow ground razor blades. 1,983,214; Dec. 4.
Buckeye Incubator Manufacturing Company, The. (See Sturgis, La Verne C., assignor.)
Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine cable. 1,982,784; Dec. 4.
Buckman, Harold W., Pittsburgh, Pa., assignor to B. & D. Manufacturing Company, Inc. High pressure valve seating structure. 1,983,163; Dec. 4.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck for locomotives, passenger cars, and the like. 1,982,898; Dec. 4.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage. 1,982,899; Dec. 4.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Brake drum. 1,982,900; Dec. 4.
Buhrmaster, Frederick R., Webster Groves, assignor to St. Louis Basket & Box Corporation, St. Louis, Mo. 1,982,785; Dec. 4.
Buller, David W., Reedley, Calif. Automatic hair clipping attachment. 1,982,979; Dec. 4.
Burch, Julian R., St. Louis, Mo. Electric grill. 1,982,947; Dec. 4.
Burger, Leo X. (See Werner, E. C., and Burger.)
Burke, James P., Knoxville, Tenn. Nonrefillable closure. 1,982,786; Dec. 4.
Burr, Charles H., East Millinocket, assignor to Great Northern Paper Company, Millinocket, Maine. Conveying system for wood grinders. 1,982,901; Dec. 4.
Bush, A. G. (See Criner, Harry J., assignor.)
Bush, Grant A., San Diego, Calif. Paint-mixing machine. 1,983,164; Dec. 4.
Butler Manufacturing Company. (See Norquist, Victor C., assignor.)
Butner, James C., Petaluma, Calif. Egg fork. 1,983,067; Dec. 4.
Byler, Claude, Buffalo, Wyoming. Salvaging grapple. 1,983,215; Dec. 4.
Cable, Julius L., Boston, Mass., assignor, by mesne assignments, to American Moistening Company, Providence, R. I. Humidifying radiator. 1,983,120; Dec. 4.
Caldwell, Dave L., La Canada, Calif. Pumping unit. 1,982,634; Dec. 4.
Campbell, Howard H. (See Duceska, J., and Campbell.)
Cameron, Donald A., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 1,983,165; Dec. 4.
Cammann, Oswald. (See Lothrop, C., and Cammann.)
Cantilever Seat Company, Incorporated. (See Cucuel, Arthur L., assignor.)
Carbide and Carbon Chemicals Corporation. (See Law, George H., assignor.)
Carbondale Machine Co., The. (See Morgan, William M., assignor.)
Carborundum Company, The. (See Benner, R. C. and Stowell, assignors.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Cardone, Eugene, Brooklyn, N. Y. Electric bell. 1,983,068; Dec. 4.
Cardullo, Forrest E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Mechanism for controlling the movements of a head or carriage of a machine tool. 1,982,856; Dec. 4.
Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
Carlson, Bert G., Elmhurst, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air driven gyro vertical. 1,982,636; Dec. 4.
Carlson, Bert G., Elmhurst, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Directional gyroscope. 1,982,637; Dec. 4.
Carlson, Bert G., Elmhurst, N. Y., and H. H. Thompson, Mountain Lakes, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air driven Gyroscope. 1,982,635; Dec. 4.
Carmody, William H. (See Thomas, C. A., and Carmody.)
Carr, William C., assignor to The William C. Carr Corporation, Richmond, Va. Heat radiating unit. 1,983,437; Dec. 4.
Carr, William C., Corporation, The. (See Carr, William C., assignor.)
Carter, Samuel C., and F. H. Metke, Glendale, Calif. Rotary steam or fluid motor. 1,983,216; Dec. 4.
Caruso, Elio R. (See Lamonica, S. and Caruso.)
Cary, Joseph B. (See Chater, J. A., Cary and Hollinger.)
Cash, A. W., Company. (See Terry, Charles M., assignor.)
Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)
Caterpillar Tractor Co. (See Rosén, Carl G. A., assignor.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celanese Corporation of America. (See Welch, Sidney A., assignor.)
Celluloid Corporation. (See Andersen, Bjorn, assignor.)
Centa Trading Corporation. (See Fletcher, William, assignor.)
Centa Trading Corporation. (See Schlumbohm, Peter, assignor.)
Chambers, Dudley E., Schenectady, N. Y., assignor to General Electric Company. Carrier conveyer system. 1,983,342; Dec. 4.
Chaney, John L., Springfield, Ohio, and W. K. Yates, Chicago, Ill. Thermometer. 1,983,166; Dec. 4.
Chapman, Verni J. (See Stephens, R. M. and Chapman.)
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,983,343; Dec. 4.
Chase Companies, Incorporated, The. (See Wright, Russel, assignor.)
Chater, John A., Medina, J. B. Cary, Buffalo, and J. E. Hollinger, assignors to Niagara Sprayer and Chemical Co. Inc., Middleport, N. Y. Hand blower dust gun. 1,982,638; Dec. 4.
Chemische Forschungsgesellschaft m. b. H. (See Herrmann, Willy O., assignor.)
Chenoweth, Jesse W. (See Mann, O. O., and Chenoweth.)
Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 93,970; Dec. 4.
Cherry, Oscar A., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Hot molding composition. 1,982,787; Dec. 4.
Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Synthetic resin. 1,982,788; Dec. 4.
Chicago Pneumatic Tool Company. (See Olson, John, assignor.)
Chicago Steel Foundry Co. (See Evans, David, assignor.)
Chiritescu, Steve. (See Stampfli, L. T., and Chiritescu.)
Chisolm, Theodore R., Detroit, Mich. Cloth display stand. 1,983,167; Dec. 4.
Christina, Vincent, Bayside, assignor to Intravenous Products Co. of America, Inc., New York, N. Y. Manufacture of therapeutic calcium preparations. 1,983,344; Dec. 4.
Christofferson, Charles, assignor to Universal Air Filter Corporation, Duluth, Minn. Air filter. 1,982,639; Dec. 4.
Cincinnati Ball Crank Company, The. (See Munday, Richard B., assignor.)
Citizens National Trust and Savings Bank of Riverside, administrators, et al. (See Leaver, James H., jr., assignor.)
Claassen, Alvin A., Chicago, Ill. Checkerwork. Re19,388; Dec. 4.
Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Feeding mechanism. 1,982,902; Dec. 4.
Clark, Lancaster P., Fairfield, Conn., assignor to B. L. Coley, New York, N. Y. Card package. 1,982,640; Dec. 4.
Clark, Leonard, Dundas, Ontario, Canada. Novelty door stop. Des. 93,971; Dec. 4.
Clark, Walter G., assignor to Air Ice Research & Development Corp., Los Angeles, Calif. Refrigeration and apparatus therefor. 1,982,789; Dec. 4.
Clark, Walter G., assignor to Air Ice Research & Development Corp., Los Angeles, Calif. Refrigeration apparatus. 1,982,791; Dec. 4.
Clark, William L., Oklahoma City, Okla. Well flowing apparatus. 1,983,217; Dec. 4.
Clarke, George, and W. J. Lund, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe and method of manufacture. 1,982,725; Dec. 4.
Clausen, Carl F., Grayslake, Ill. Combination antiskid and jack mechanism for automobiles. 1,982,792; Dec. 4.

Clemmensen, Erik, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Organic esters of thiophosphoric acid. 1,982,903; Dec. 4.
Cleveland Automatic Machine Company, The. (See Ruple, Harry W., assignor.)
Cleveland Trust Company, The. (See Hartog, Stephen D., assignor.)
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Cobb, James F., Portland, Oreg. Dry kiln. 1,982,980; Dec. 4.
Cocker, George B., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Winding machine. 1,983,508; Dec. 4.
Cocker Machine and Foundry Company. (See Cocker, George B., assignor.)
Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Photo-electric relay. 1,983,345; Dec. 4.
Cole, Harry C., Philadelphia, and A. L. Grammer, Meadowbrook, Pa. Dispensing container for powder. 1,982,949; Dec. 4.
Coley, Bradley L. (See Clark, Lancaster P., assignor.)
Compagnie pour la Fabrication des Compteurs et Material d'Usines a. Gaz. (See Barthelemy, René, assignor.)
Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Hard cemented carbide material. 1,982,857; Dec. 4.
Conrad, Karl F. (See Payne, R., and Conrad.)
Continental Can Company, Inc. (See Troyer, Nelson, assignor.)
Continental Can Company, Inc. (See Troyer, N., and Pearson, assignors.)
Continental-Diamond Fibre Company. (See Simons, Frank K., assignor.)
Continental Scale Works. (See Weber, Mathias J., assignor.)
Cook Electric Company. (See Schultz, Roy M., assignor.)
Corell, Martin. (See Bergdolt, A., Schrader, and Corell.)
Countryman, Arthur, jr., et al., administrators. (See Hart, Gerard W.)
Coyyeow, Daniel L., Chicago, Ill. Charge treating device for internal combustion engines. 1,983,268; Dec. 4.
Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf club. 1,983,069; Dec. 4.
Cox, Leonard, Birmingham, England, assignor to Hookless Fastener Company. Slide fastener and making same. 1,983,070; Dec. 4.
Cramer, Stanley S., and E. D. Koepping, Haddon Heights, assignors to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,983,121; Dec. 4.
Crane Co. (See Crane, Charles R., 2d, assignor.)
Crane, Charles R., 2d., assignor to Crane Co., Chicago, Ill. Handwheel. Des. 93,972; Dec. 4.
Crane, Donald L., Tacoma, Wash. Carton. 1,982,981; Dec. 4.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Lifter for hot dishes. 1,983,168; Dec. 4.
Crompton & Knowles Loom Works. (See Vose, Lewis S., assignor.)
Crowley, Joseph P., assignor to The Libbey-Owens-Ford Glass Company, Toledo, Ohio. Supporting means for glass surfacing apparatus. 1,982,641; Dec. 4.
Crown Cork & Seal Company, Inc. (See Kramer, Eric B., assignor.)
Crozier, John L., Renton, Wash. Schedule signal clock. 1,982,982; Dec. 4.
Cucuel, Arthur L., Bristol, assignor, by mesne assignments, to Cantilever Seat Company, Incorporated, Wallingford, Conn. Spring cushion. 1,983,346; Dec. 4.
Curok, Julius, Chaplin, Saskatchewan, Canada. Lifting jack. 1,982,642; Dec. 4.
Curtis, Helen B. (See Curtis, James D., assignor.)
Curtis, James D., Collingswood, assignor, by mesne assignments, to H. B. Curtis, Camden, N. J. Spark intensifying device. 1,982,950; Dec. 4.
Curtiss Aeroplane & Motor Company, Inc. (See Fink, Frank W., assignor.)
Curtiss Aeroplane & Motor Company, Inc. (See Hathorn, Charles E., assignor.)
Cushman, Abe L., Concord, N. H. Routing machine. 1,983,438; Dec. 4.
Cutler, Joseph W., assignor to Cutler Mail Chute Co., Rochester, N. Y. Mail chute. 1,983,071; Dec. 4.
Cutler Mail Chute Co. (See Cutler, Joseph W., assignor.)
Czemba, Frank, Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill. Scroll cutting machine. 1,982,983; Dec. 4.
Dahlen, Miles A. (See Hitch, E. F., Dahlen, and Friedrich.)
Daley, James C., River Forest, and E. Goddard, assignors to Jefferson Electric Company, Chicago, Ill. Bushing means. 1,983,347; Dec. 4.
Davis, Benjamin F., trustee. (See Davis, Donald C.)
Davis, Charles A., Youngstown, Ohio. Method of and apparatus for rolling sheets. 1,983,018; Dec. 4.
Davis, Charles H., jr., deceased, by J. T. Fitzsimmons, Anderson, Ind., administrator, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,983,072; Dec. 4.
Davis, Donald C., deceased, by B. F. Davis, trustee, Buffalo, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,982,858; Dec. 4.
Davis, Howard C., Elizabeth, N. J. Boiler. 1,982,793; Dec. 4.
Davis, Kenneth. (See Peale, R., and Davis.)
Davis, Nathan H., Philadelphia, Pa. Brake beam and making the same. 1,983,122; Dec. 4.
Davis, Rex E., Anoka, assignor to The Charles Arnao Co., Inc., Minneapolis, Minn. Scalp steamer. 1,982,905; Dec. 4.
Davis, Rex E., and A. H. Nielsen, assignors to Charles Arnao Company, Minneapolis, Minn. Steaming apparatus. 1,982,904; Dec. 4.
Davis, Roy W. (See Hampton, L. N., Davis, and Richard.)
Dawes, Robert T., Hudson, Mass. Fastener. 1,982,906; Dec. 4.
Dayton Synthetic Chemicals, Incorporated. (See Thomas, Charles A., assignor.)
Dayton Synthetic Chemicals, Inc. (See Thomas, C. A., and Carmody, assignors.)
Dayton Veneer & Lumber Mills. (See Morgan, Walter E., assignor.)
Dearborn, Frank W., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Train pipe coupler. 1,982,643; Dec. 4.
Dearing, Melville C., Palatine, assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Urea-formaldehyde reaction product and preparing same. 1,982,794; Dec. 4.
Dearing, Melville C., Palatine, assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Urea-formaldehyde reaction product and making same. 1,982,795; Dec. 4.
Dearing, Melville C., Palatine, assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Urea-formaldehyde reaction product and making same. 1,982,796; Dec. 4.
De Florez, Luis, Pomfret, Conn. Fluid valve. 1,982,644; Dec. 4.
De Leeuw, Adolph L., Plainfield, N. J. Gear cutting machine and method. 1,983,019; Dec. 4.
Delphos Bending Company, The. (See Sweet, Clifford I., assignor.)
Denny, Robert C., assignor to M. H. Detrick Company, Chicago, Ill. Stoker furnace construction. 1,982,797; Dec. 4.
Derby, John H., Scarsdale, N. Y. Alloy. 1,982,645; Dec. 4.
Derby, Norman L., Jackson Heights, N. Y. Thermostatic element. 1,983,269; Dec. 4.
Derbyshire, William, Los Angeles, Calif. Combination bath and service table. 1,982,859; Dec. 4.
Desautels, Charles H., Springfield, Mass., assignor, by mesne assignments, to The Fisk Rubber Corporation. Manufacture of pneumatic tire casings. 1,982,860; Dec. 4.
De Sherbiner, Eric M., et al. (See Bodenschatz, August, assignor.)
Detrick, M. H., Company. (See Denny, Robert C., assignor.)
Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Detroit Lubricator Company. (See Cameron, Donald A., assignor.)
Detroit Lubricator Company. (See Vaughan, Henry P., assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Gorhan, Adolf, assignor.)
De Vol, James C., Louisville, Ky., assignor, by mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio. Building construction. 1,983,020; Dec. 4.
De Vore, Ross A., Atlanta, Ga. Reading outfit. 1,983,439; Dec. 4.
Dexter Folder Company. (See Meredith, Ross, assignor.)
Dick, Este L., Great Falls, Mont. Weed exterminator. 1,982,646; Dec. 4.
Dictaphone Corporation. (See Lucarelle, J. M., and Renholdt, assignors.)
Dictograph Products Company. (See Koch, Henry, assignor.)
Dieges & Clust. (See Dieger, Robert T., assignor.)
Dieges, Robert T., assignor to Dieges & Clust, New York, N. Y. Finger ring. 1,983,348; Dec. 4.
Dietz, Albert E., Washington, D. C. Safety automobile tire. 1,982,861; Dec. 4.
Digby, William P. (See Bergstrom, E., and Digby.)
Dillingham, Perry A., Asheville, N. C., assignor to Sayles Biltmore Bleacheries, Inc., Biltmore, N. C. Brake for controlling unrolling of cloth. 1,983,440; Dec. 4.
Ditisheim, Paul, Paris, France. Manufacturing bimetallic appendixes for monometallic balances. 1,982,726; Dec. 4.
Ditto, Incorporated. (See Henderson, Kenneth M., assignor.)
Dodge, Adiel Y., South Bend, Ind. Reversible reactance clutch. 1,983,123; Dec. 4.
Dodge, Adiel Y., South Bend, Ind. Electric switch. 1,983,124; Dec. 4.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,982,798; Dec. 4.
Donaldson Company, Inc. (See Schulz, William H., assignor.)
Donath, Ernst. (See Pier, M., and Donath.)
Dow Chemical Company, The. (See Strosacker, C. J., and Kendall, assignors.)
Dowling, Dempsey L., Bainbridge, Ga. Nut shelling machine. 1,983,441; Dec. 4.
Downingtown Manufacturing Company. (See Farrell, John J., assignor.)

Drake, Harcourt C., Hempstead, assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Fissure detector for rails. 1,983,442; Dec. 4.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Table coupling apparatus. 1,982,647; Dec. 4.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polishing apparatus. 1,982,648; Dec. 4.
Drew, Jack. (See Black, T., and Drew.)
Dreyfus, Camille, New York, N. Y. Textile material and making same. 1,983,349; Dec. 4.
Dry, William A., Hodge, La. Pneumatic pump and jack. 1,983,444; Dec. 4.
Duceska, Joseph, and H. H. Campbell, Dayton, Ohio. Memorandum support for cradle type telephones. 1,983,443; Dec. 4.
Dugan, Hugh G., Hinsdale, Ill. Coat shield. 1,982,649; Dec. 4.
Du Grenier, Francis C., assignor of one-half to B. E. Bouchard, Haverhill, Mass. Coin controlled mechanism. 1,983,073; Dec. 4.
Dunbar, Chester C., Kansas City, Kans. Sled cultivator. 1,983,350; Dec. 4.
Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heating system. 1,983,218; Dec. 4.
Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery container. 1,983,219; Dec. 4.
Du Pont Cellophane Company. (See Müller, Rudolf, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hitch, E. F., Dahlen, and Friedrich, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., and Stewart, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)
Durafer (Inc.). (See Geisler, William A., assignor.)
Durafer (Inc.). (See Sargent, William D., assignor.)
Durant, Albert A., Honolulu, Hawaii. Thermally controlled circuit breaker. 1,982,984; Dec. 4.
Durell, George B., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Making golf club shafts. 1,983,074; Dec. 4.
Earle, Theodore, Denver, Colo. Process for the purification of sand. 1,983,270; Dec. 4.
Earle, Theodore, Denver, Colo. Purification of sand. 1,983,271; Dec. 4.
Earle, Theodore, Denver, Colo. Purification of sand. 1,983,272; Dec. 4.
Earle, Theodore, Denver, Colo. Milling process. 1,983,273; Dec. 4.
Earle, Theodore, Denver, Colo. Ore leaching. 1,983,274; Dec. 4.
Easlea, Walter, Leigh-on-Sea, England, assignor to C. H. Totty, Madison, N. J. Rose. Pl. Pt. 114; Dec. 4.
Eaton, Leslie B., Los Angeles, assignor, by mesne assignments, to Kalite Company, Limited, Pasadena, Calif. Acoustical concrete. 1,983,021; Dec. 4.
Eaton, Leslie B., Los Angeles, assignor to Kalite Company, Limited, Pasadena, Calif. Acoustical plaster. 1,983,022; Dec. 4.
Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 1,982,727; Dec. 4.
Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Roller. 1,982,729; Dec. 4.
Ebert, Lyda G., Lakewood, Ohio, and M. K. Grable, Pittsburgh, Pa. Table and shelf protector. 1,982,728; Dec. 4.
Ebling, Walter E., assignor to E. P. Reed & Co., Rochester, N. Y. Shoe. Des. 93,973; Dec. 4.
Eckey, Eddy W., Wyoming, assignor to The Proctor & Gamble Company, Cincinnati, Ohio. Stabilizing the flavor and odor of fatty materials. 1,982,907; Dec. 4.
Economy Fuse & Manufacturing Company. (See Cherry, Oscar A., assignor.)
Economy Fuse & Manufacturing Co. (See Dearing, Melville C., assignor.)
Economy Fuse & Manufacturing Company. (See Herbst, C. A., and Endriz, assignors.)
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,983,351; Dec. 4.
Egloff, Hans C., assignor to firm of Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Steam power plant. 1,983,275; Dec. 4.
Egry Register Company, The. (See Pfeiffer, Frank E. and W. C., assignors.)
Ehrenhaft, Franz, Berlin-Wilmersdorf, assignor to N. V. Küchenmeister's Internationale Maatschappij voor Sprekende Films, Amsterdam-Berlin, Berlin, Germany. Driving apparatus for sound films. 1,983,276; Dec. 4.
Eisenhut, Hugo, assignor to Carl Zeiss, Jena, Germany. Device for signal purposes. 1,983,356; Dec. 4.
Eisenmann, Karl. (See Pungs, W., and Eisenmann.)
Electric Household Utilities Corporation. (See Hume, John T., assignor.)
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Electrical Research Laboratories, Inc. (See Schnell, William J., assignor.)
Electrolux Servel Corporation. (See Köhler, Peter, assignor.)
Electro Metallurgical Company. (See Kuhlmann, August M., assignor.)
Ellis, Theodore T., assignor to New England Fibre Blanket Company, Worcester, Mass. Printer's blanket and making. 1,983,352; Dec. 4.
Ellison, Edward H., Jamestown, assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Adjustable hinge. 1,983,125; Dec. 4.
Ely, Walter S., New York, and E. Peremi, Manhasset, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 1,983,353; Dec. 4.
Emmons, Arthur N., assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Disk sander. 1,983,277; Dec. 4.
Endriz, John D. (See Herbst, C. A., and Endriz.)
English, Francis G. S., West Croydon, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Interchangeable connection box for card tabulators. 1,983,354; Dec. 4.
Ensemble Manufacturing Company. (See Simpson, John F., assignor.)
Erdman, Theodore J., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Cultivator. 1,982,862; Dec. 4.
Erkman, John, Peru, Ind. Concrete block machine. 1,982,730; Dec. 4.
Ernst, Otto, and L. Mack, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing hydrogenated amines. 1,982,985; Dec. 4.
Erny, Charles G., Philadelphia, Pa. Spark plug. 1,983,445; Dec. 4.
Escher, Gustav E., Summit, N. J., assignor to White Construction Co., Inc., New York, N. Y. Structural tank unit and assembly thereof. 1,983,355; Dec. 4.
Eustis, Robert I., and F. S. Beiger, assignors to Eustis Specialty Company, Inc., Los Angeles, Calif. Track for sliding sashes. 1,982,908; Dec. 4.
Eustis Specialty Company. (See Eustis, R. I., and Beiger, assignors.)
Evans, David, assignor to Chicago Steel Foundry Co., Chicago, Ill. Conveyer screw for locomotive stokers. 1,982,799; Dec. 4.
Fairbairn Lawson Combe Barbour Limited. (See Paul, Moriz J. A., assignor.)
Falconer, William S., Preston East, near Melbourne, Victoria, assignor to International Motor Patents Proprietary Limited, Melbourne, Victoria, Australia. Charge-forming device. 1,983,357; Dec. 4.
Falk, Morris, Leominster, assignor to Independent Lock Co., Fitchburg, Mass. Rotary bolt lock. 1,983,440; Dec. 4.
Farrell, John J., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Press roll drive. 1,983,126; Dec. 4.
Fear, Fred, Company. (See Lowenstein, Gabriel, assignor.)
Felton, Willard B., Pueblo, Colo. Slicing machine. 1,982,731; Dec. 4.
Ferro Enamel Corporation. (See De Vol, James C., assignor.)
Fidelity Trust Company, executor. (See Bragg, Gilbert A., assignor.)
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,983,509; Dec. 4.
Field, Robert F., Watertown, assignor to General Radio Company, Cambridge, Mass. Frequency meter. 1,983,447; Dec. 4.
Fields, John D., Los Angeles, Calif. Refining petroleum oil distillates. 1,983,220; Dec. 4.
Fink, Frank W., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aircraft landing gear holding device. 1,983,358; Dec. 4.
Firth-Sterling Steel Company. (See Comstock, Gregory J., assignor.)
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing material. 1,983,494; Dec. 4.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roof covering and manufacturing same. 1,983,495; Dec. 4.
Fish, Lawrence L. (See Ambroz, J. G., and Fish.)
Fisk Rubber Corporation, The. (See Desautels, Charles H., assignor.)
Fitzsimmons, John T., administrator. (See Davis, Charles H., jr.)
Flanigan, John J., Oak Park, Ill., assignor to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y. Container. 1,983,278; Dec. 4.
Flath, Otto S. (See Wiegand, F. B., Schwendt, and Flath.)
Fleisher, Walter L., assignor to Auditorium Conditioning Corporation, New York, N. Y. Method and apparatus for ventilation. 1,983,023; Dec. 4.
Fletcher, Charles W., New York, N. Y., and R. H. Stone, Irvington, N. J., assignors to Titeflex Metal Hose Co. Tube coupling. 1,982,732; Dec. 4.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Pipe thread gauge. 1,983,279; Dec. 4.
Fletcher, William, London, England, assignor to Centa Trading Corporation, New York, N. Y. Optical device. 1,982,650; Dec. 4.
Flinn, Arthur C., Los Angeles, Calif., assignor to Sherman Paper Products Corporation, Newton, Mass. Ornamented box and ornamental strip therefor. 1,982,952; Dec. 4.

Flint, Wesley P., and G. L. Hockenyos, Urbana, Ill., assignors, by mesne assignments, to Monsanto Chemical Company. Insecticide composition and its application. 1,982,909; Dec. 4.
Florenz, Martin, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany. Preparation of resinous condensation products from phenols and aldehydes. 1,982,651; Dec. 4.
Florman, Irving, New York, N. Y. Alarm clock. 1,983,448; Dec. 4.
Flowers, Henry F., Findlay, Ohio. Dump vehicle having a fluid-medium door control. 1,983,280; Dec. 4.
Foley, Harry W., Fresno, Calif. Adjustable fruit box lid. 1,982,652; Dec. 4.
Food Machinery Corporation. (See Anderson, Earl R., assignor.)
Food Machinery Corporation. (See Moe, Andrew O., assignor.)
Food machinery Corporation. (See Rogers, Jabin V., assignor.)
Forbes, Gertrude K., and F. A. Speik, South Pasadena, Calif. Mop handle. 1,982,910; Dec. 4.
Forman, Samuel B., Long Island City, N. Y. Fire alarm and extinguisher. 1,982,653; Dec. 4.
Forster, Thomas E., Wichita, Kans. Air and dust separator. 1,982,733; Dec. 4.
Foss, Antonius, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Treatment of crude phosphates. 1,983,024; Dec. 4.
Foss, Benjamin Q. P., deceased, by C. G. Foss, administratrix, San Francisco, Calif. Apparatus for destructive distillation of hydrocarbons. 1,982,863; Dec. 4.
Foss, Clarindo G., administratrix. (See Foss, Benjamin Q. P.)
Frank, Otto H., Brooklyn, N. Y. Switch box. 1,983,449; Dec. 4.
Fredrickson, Oscar F., Chicago, Ill. Self-adjusting pusher rod. 1,983,127; Dec. 4.
Friedman, Louis, Brooklyn, N. Y. Steel wool cleaner. 1,982,654; Dec. 4.
Friedmann, Albert, Wyomissing, Pa., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Knitting fabric. 1,982,800; Dec. 4.
Friedrich, Martin E. (See Hitch, E. F., Dahlen, and Friedrich.)
Fries, Samuel W., and E. E. Malott, Kansas City, Mo. Grip attachment for fuse clips. 1,983,281; Dec. 4.
Frigidaire Corporation. (See Hvid, Rasmus M., assignor.)
Fuchs, Charles A., Hollis, N. Y., and F. Spaloss, Teaneck, N. J., assignors, by mesne assignments, to Projector Improvement Company, Inc., New York, N. Y. Carbon holder. 1,983,282; Dec. 4.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 93,974; Dec. 4.
Fuller, Earl E., Buffalo, N. Y. Arch support. 1,982,911; Dec. 4
Fuller Lehigh Company. (See Bailey, Ervin G., assignor.)
Funk, Samuel W., Charter Oak, Calif. Window. 1,982,655; Dec. 4.
Furness Corporation. (See Furness, William H., assignor.)
Furness, William H., National Park, assignor to Furness Corporation, Gloucester, N. J. Continuous process and apparatus for making rayon. 1,983,221; Dec. 4.
Furrer, Samuel S., assignor to Brenneis Manufacturing Company Inc., Oxnard, Calif. Disk harrow. 1,982,951; Dec. 4.
Fuwa, Kitsuzo, and F. Suzuki, Tokyo, Japan, assignors to General Electric Company. Ultra violet ray transmitting glass. 1,983,359; Dec. 4.
Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Mattress tufting apparatus. 1,983,169; Dec. 4.
Galion Metallic Vault Co., The. (See Smith, Ralph E., assignor.)
Gamache, Homer. (See Gamache, H., and Hance.)
Gamache, Homer, and H. Hance, Newark, N. J.; said Hance assignor to said Gamache. Tobacco pipe. 1,983,360; Dec. 4.
Gamba, Alfred, Wildegg, Switzerland. Braiding machine. 1,983,222; Dec. 4.
Gamba, Alfred, Wildegg, Switzerland. Braiding machine. 1,983,223; Dec. 4.
Gamba, Alfred, Wildegg, Switzerland. Braiding machine. 1,983,224; Dec. 4.
Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Box. Des. 93,975; Dec. 4.
Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Sachet powder container. 1,983,496; Dec. 4.
Gardner Machine Company. (See Hall, Donald R., assignor.)
Garfield, Lewis E. (See Scott, F., and Garfield.)
Garfield, Lewis E., assignor to Hughes Tool Company, Houston, Tex. Bearing for drill cutters. 1,983,283; Dec. 4.
Garlington, William L., St. Petersburg, Fla. Sectionalizing relay apparatus. 1,982,986; Dec. 4.
Gaskill, Alfred T. (See Geiger, W. J., and Gaskill.)
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Runproof knitted fabrics and articles, such as stockings, and making the same. 1,983,128; Dec. 4.
Gazette, Marshall E., assignor to Boothby Fibre Can Company, Boston, Mass. Container made of paper and producing it. 1,983,361; Dec. 4.
Gebruder Brehmer. (See Kleinschmit, Oscar, assignor.)
Gebruder Brehmer. (See Kleinschmit, O., and Kugler, assignors.)
Geiger, Walter J., and A. T. Gaskill, Cleveland Heights, Ohio, assignors to General Electric Company. Electric incandescent lamp. 1,983,362; Dec. 4.
Geigy, J. R., S. A. (See Becherer, Fritz, assignor.)
Geise, George E., South Fort Mitchell, assignor to The Kelley-Koeth Manufacturing Company, Covington, Ky. Hand driven self-locking clutch. 1,983,284; Dec. 4.
Geisler, William A., Newark, N. J., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Centrifugal casting machine. 1,983,075; Dec. 4.
Geller, Harry, New York, N. Y. Shoe. Des. 93,976; Dec. 4.
General Aniline Works, Inc. (See Bergdolt, A., Schrader, and Corell, assignors.)
General Aviation Manufacturing Corporation. (See Kindelberger, James H., assignor.)
General Bronze Corporation. (See Ely, W. S., and Peremi, assignors.)
General Bronze Corporation. (See Peremi, E., and Kish, assignors.)
General Electric Company. (See Amsden, Ralph D., assignor.)
General Electric Company. (See Benford, Frank A., assignor.)
General Electric Company. (See Chambers, Dudley E., assignor.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Cockrell, William D., assignor.)
General Electric Company. (See Fuwa, K., and Suzuki, assignors.)
General Electric Company. (See Geiger, W. J., and Gaskill, assignors.)
General Electric Company. (See Harrington, Richards H., assignor.)
General Electric Company. (See Kellogg, Edward W., assignor.)
General Electric Company. (See Leach, Edward A., assignor.)
General Electric Company. (See Lynn, Lambert H., assignor.)
General Electric Company. (See McLaughlin, R. Wayne, assignor.)
General Electric Company. (See Mikeska, Peter L., assignor.)
General Electric Company. (See Mohler, Francis, assignor.)
General Electric Company. (See Moore, Abram J., assignor.)
General Electric Company. (See Müller, Kurt E., assignor.)
General Electric Company. (See Ostermeier, Johannes, assignor.)
General Electric Company. (See Stephens, R. M., and Chapman, assignors.)
General Electric Company. (See Ungellenk, Alfred, assignor.)
General Electric X-Ray Corporation. (See Grobe, Julius J., assignor.)
General Motors Corporation. (See Bates, Ralph I., assignor.)
General Motors Corporation. (See Davis, Charles H., jr., assignor.)
General Motors Corporation. (See Loudon, Warren P., assignor.)
General Motors Corporation. (See Parker, Leslie O., assignor.)
General Motors Corporation. (See Thompson, Earl A., assignor.)
General Motors Corporation. (See Williams, Hubert L., assignor.)
General Radio Company. (See Field, Robert F., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Hitchcock, Forest B., assignor.)
General Railway Signal Company. (See Kempster, Ernest B., jr., assignor.)
General Railway Signal Company. (See Willing, Joseph E., assignor.)
Gerking, Ardis D., Freewater, Oreg. Interchangeable battery cell. 1,982,801; Dec. 4.
Gerrard Industries Limited. (See Brunaa, Olof U. B. J., assignor.)
Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H. (See Koenemann, Ernst, assignor.)
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Thermostatic switch. 1,983,076; Dec. 4.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Adjustable thermostatic switch. 1,983,077; Dec. 4.
Gibson Electric Refrigerator Corporation. (See Tarleton, Frederic L., assignor.)
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gilman, George H., Belmont, Mass., assignor to Worthington Pump and Machinery Corporation. Drilling machine. 1,982,656; Dec. 4.

Ginder, Philip M., and E. C. Handwerk, Palmerton, Pa., assignors to The New Jersey Zinc Company. Reduction of zinciferous materials. 1,983,025; Dec. 4.
Gloor, George A., Dearborn, and M. Banke, Detroit, Mich. Cooling device. 1,983,285; Dec. 4.
Glover, John, assignor to Midway Chemical Company, Chicago, Ill. Floor polishing device. 1,983,363; Dec. 4.
Goddard, Edwin. (See Daley, J. C., and Goddard.)
Godziewski, Hermann, Eichwalde, near Teltow, Germany. Apparatus for compensating for play in machines for cutting screw threads. 1,983,286; Dec. 4.
Goetzelman, William, Chicago, Ill., assignor to Appleton Electric Company. Conduit clamp for connecting boxes. Re19,389; Dec. 4.
Gold Car Heating & Lighting Company. (See Dearborn, Frank W., assignor.)
Goldacker, Paul, Berlin-Neukolln, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Sensitizing of photographic emulsions. 1,982,987; Dec. 4.
Goldberg Bros. Inc. (See Goldberg, Herman, assignor.)
Goldberg, Herman, assignor to Goldberg Bros. Inc., Haverhill, Mass. Shoe. Des. 93,977; Dec. 4.
Goldberg, Julius A., Highland Park, Ill. Shoe or similar article. Des. 93,978; Dec. 4.
Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Superheater. 1,983,364; Dec. 4.
Gorhan, Adolf, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Production of alcohol free from fusel oil. 1,982,988; Dec. 4.
Gorhan, Adolf, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Production of water-free alcoholic liquid mixtures. 1,982,989; Dec. 4.
Goss Printing Press Company. (See Richter, Charles J., assignor.)
Gould Coupler Company. (See Davis, Donald C.)
Govett, Ernest, assignor to Govett, Ltd., New York, N. Y. Photographic emulsion and making same. 1,982,802; Dec. 4.
Govett, Ltd. (See Govett, Ernest, assignor.)
Grable, Minnie K. (See Ebert, L., and Grable.)
Grammer, Allen L. (See Cole, H. C., and Grammer.)
Granat, Joseph, San Francisco, Calif. Ring ensemble. 1,982,864; Dec. 4.
Grant, Robert S., Providence, R. I. Drawing implement. Des. 93,979; Dec. 4.
Graves, Rose M., assignor to Venus Brassiere Co. Inc., Chicago, Ill. Garment. 1,982,657; Dec. 4.
Graves, Samuel A., Worcester, Mass. Trick pencil. 1,982,734; Dec. 4.
Graves, Shirrell W., San Francisco, Calif. Container. 1,982,912; Dec. 4.
Gray, G. A. Company, The. (See Cardullo, Forrest E., assignor.)
Gray, Philip P. (See Himebaugh, L. C., and Gray.)
Great Northern Paper Company. (See Burr, Charles H., assignor.)
Greear, Thomas H. (See Lee, Norman, assignor.)
Green, James B. (See Benbow, J. D., and Green.)
Green, Lee B., Lakewood, Ohio. Parallel-blade radiator grille. 1,982,953; Dec. 4.
Greenawalt, John E., New York, N. Y. Process and furnace for disposing of refuse matter. 1,982,803; Dec. 4.
Greenfield Tap & Die Corporation. (See Judge, Franklin, assignor.)
Greenleaf, William H., Chicago, assignor to Western Clock Company, Peru, Ill. Accelerator switch for clocks. 1,983,026; Dec. 4.
Gregg, David, Caldwell Burrough, assignor to Bendix Research Corporation, East Orange, N. J. Internal combustion engine. 1,983,225; Dec. 4.
Gretsch-Unitas G. m. b. H. (See Gretsch, Viktor, assignor.)
Gretsch, Viktor, deceased; Adolf Hofer, executor, assignor to Gretsch-Unitas, G. m. b. H., Stuttgart-Feuerbach, Germany. Ski tie. 1,983,226; Dec. 4.
Griffin, Frank H., Wawa, assignor to The Viscose Company, Marcus Hook, Pa. Delustered rayon and spinning solution therefor. 1,983,450; Dec. 4.
Griffin, Joseph F., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Injector. 1,983,365; Dec. 4.
Grinnell, Samuel H., and A. C. Rubel, assignors to Union Oil Company of California, Los Angeles, Calif. Drilling structure and circulating pump. 1,983,287; Dec. 4.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Rubber mounted flywheel. 1,982,658; Dec. 4.
Grobe, Julius J., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Fluoroscopic screen holder. 1,982,954; Dec. 4.
Gro, Joseph C., Allentown, Pa. Performance gauging means for prime movers. 1,982,659; Dec. 4.
Gross, Edward, Portland, Oreg. Fire escape. 1,982,865; Dec. 4.
Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Miniature phonograph. 1,983,078; Dec. 4.
Grundmann, Erich. (See Meier, H., and Grundmann.)
Gury, J. B., Mfg. Co. (See Gury, John B., jr., assignor.)
Gury, John B., jr., assignor to J. B. Gury Mfg. Co., St. Louis, Mo. Cloth cutting machine. 1,983,129; Dec. 4.
Guziel, Alexander A, and A. Korff, Hollywood, Calif. Spark plug. 1,982,866; Dec. 4.
Gwaltney, Eugene C., Laurinburg, N. C. Laundry bag. 1,983,451; Dec. 4.
Gwaltney, Eugene C., Laurinburg, N. C. Laundry bag. 1,983,452; Dec. 4.
Haglund, Edward R. (See Westburgh, Arthur E., assignor.)
Häble, Herbert. (See Schladebach, H., and Häble.)
Hall, Donald R., assignor to Gardner Machine Company, Beloit, Wis. Work supporting fixture. 1,982,804; Dec. 4.
Hall, Edwin L. (See Brady, E. J., and Hall.)
Hall, Edwin L., assignor to The United Gas Improvement Company, Philadelphia, Pa. Bolted pipe joint. 1,983,228; Dec. 4.
Hall, Edwin L., Philadelphia, J. A. Perry, Swarthmore, and E. J. Brady, deceased, Lansdowne; A. S. Brady, administratrix, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas pilot light control. 1,983,227; Dec. 4.
Hall, Nathan I., Elkins, W. Va. Piccolo. 1,983,288; Dec. 4.
Hall, Stephen E., assignor of one-half to G. G. Lee, Concord, N. H. Valve operating mechanism. 1,982,867; Dec. 4.
Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Control for machine tools. 1,983,200; Dec. 4.
Hamilton, Joseph Y., Clarksburg, W. Va. Bridge reminder. Des. 93,980; Dec. 4.
Hamilton Standard Propeller Company. (See Jamison, John K., assignor.)
Hamner, Elgin A., Shreveport, La. Towel cabinet. 1,983,289; Dec. 4.
Hampton, Leon N., and R. W. Davis, New York, and C. D. Richard, West New Brighton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic ticket distributing system. 1,982,805; Dec. 4.
Hamren, Eric O. (See Leach, E. C., and Hamren.)
Handwerk, Erwin C. (See Ginder, P. M., and Handwerk.)
Handy, John P., Long Prairie, Minn. Toothbrush. 1,982,660; Dec. 4.
Hanna, Walter G., Oakland, Calif. Water heater. 1,983,170; Dec. 4.
Hansen, Edmund H., Los Angeles, Calif. Method and means for use in navigation. 1,983,079; Dec. 4.
Hansen, Gurney T., Colonie, N. Y. Water ball. 1,982,913; Dec. 4.
Harbo, Alf F., Minneapolis, Minn. Music printing stamp. 1,982,790; Dec. 4.
Harbor Plywood Corporation. (See Welch, Arthur R., assignor.)
Harding, Clyde R., Council Bluffs, Iowa. Convertible aircraft. 1,983,171; Dec. 4.
Hargraves, John, Durban, Union of South Africa. Printer's rule. 1,983,453; Dec. 4.
Harlow, Earl V., East Orange, N. J., assignor to The Koppers Company of Delaware. Treatment of gas. 1,983,366; Dec. 4.
Harnett, Lewis D., Columbus, Ohio. Use of ice in connection with air conditioning. 1,983,080; Dec. 4.
Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Insulation material. 1,983,367; Dec. 4.
Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Casing machine. 1,982,990; Dec. 4.
Hart, Cooley, Highton, Co. (See Bailey, James H., assignor.)
Hart, Gerald W., deceased, Hartford, by T. Hewes, Farmington, and W. A. Countryman, jr., Hartford, Conn. administrators. Thermostatically operated electric switch. 1,982,955; Dec. 4.
Hartog, Stephen D., St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston strut. 1,983,290; Dec. 4.
Harvey, Raymond. (See Reynolds, W. E., and Harvey.)
Haskell, Howze, assignor to James River Paper Products, Inc., Richmond, Va. Sealed bag. 1,983,291; Dec. 4.
Hathorn, Charles E., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company. Sealing means for control rods. 1,983,368; Dec. 4.
Hathorn, Elmer F., assignor to Highway Trailer Company, Edgerton, Wis. Operating means for locking jaws. 1,982,914; Dec. 4.
Haubold, Werner R. (See Neumann, F. J. G., and Haubold.)
Hayes, Philip J., Spokane, Wash. Stamp retaining clamp. 1,982,806; Dec. 4.
Haynes, Joseph E., Medellin, Colombia. Decorticating and defiberating machine. 1,983,454; Dec. 4.
Hazel-Atlas Glass Company. (See Ross, James W., assignor.)
Health Products Corporation of America. (See Hudgings, William F., assignor.)
Heidenfelder, Fred A., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press. 1,983,455; Dec. 4.
Heidenfelder, Fred A., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press. 1,983,456; Dec. 4.
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)

Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Modulating system. 1,983,172; Dec. 4.

Heitsmith, William J., Ridgefield Park, N. J., assignor to American Telephone and Telegraph Company. Telephone coin system. 1,982,735; Dec. 4.

Hendersen, Otto A., Racine, Wis. Practice golf ball device. 1,982,808; Dec. 4.

Henderson, Kenneth M., Winnetka, assignor to Ditto, Incorporated, Chicago, Ill. Fastening gelatinized bands. 1,982,807; Dec. 4.

Henninger, Albert B., Berlin-Halensee, Germany. Self-supporting car body made of sheet metal. 1,983,497; Dec. 4.

Henry, Donald E. (See Rentschler, H. C., and Henry.)

Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Heat treatment of petroleum oil vapor and other hydrocarbonaceous starting material. 1,983,027; Dec. 4.

Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Oil cracking apparatus. 1,983,028; Dec. 4.

Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Oil heating apparatus. 1,983,029; Dec. 4.

Herbst, Clarence A., Park Ridge, and J. D. Endriz, Berwyn, assignors to Economy Fuse & Manufacturing Company, Chicago, Ill. Composition of matter adapted for cold molding, molded products produced therefrom, and making same. 1,982,809; Dec. 4.

Hering, George, Larchmont, N. Y. Ore separator. 1,983,457; Dec. 4.

Hermann, Charles E., St. Louis, Mo. Journal. 1,983,130; Dec. 4.

Herold, Walter F., Fairfield, assignor to The Bassick Company, Bridgeport, Conn. Caster mounting socket. 1,982,868; Dec. 4.

Herrmann, Willy O., assignor, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany. Sound record and preparing same. 1,983,030; Dec. 4.

Hewes, Thomas, et al., administrators. (See Hart, Gerald W.)

Heyer, Don, assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Flexible belt and making it. 1,982,869; Dec. 4.

Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,982,810; Dec. 4.

Highway Trailer Company. (See Hathorn, Elmer F., assignor.)

Highway Trailer Company. (See Robb, John F., assignor.)

Hill, Abram A., Prattsville, N. Y. Churn. 1,983,458; Dec. 4.

Hill, Walter M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,982,811; Dec. 4.

Hillebrand, William A., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 1,983,370; Dec. 4.

Hillebrand, William A., Berkeley, Calif., assignor to The Ohio Brass Company, Mansfield, Ohio. Temperature control for oil filled bushings. 1,983,371; Dec. 4.

Hillebrand, William A., Akron, and A. M. Morris, Barberton, assignors to The Ohio Brass Company, Mansfield, Ohio. Fitting for strain insulators. 1,983,369; Dec. 4.

Hillier, Harold, and J. C., and W. A. Macfarlane, Cathcart, Glasgow, assignors to G. & J. Weir., Limited, Glasgow, Scotland. Displacement pump. 1,983,229; Dec. 4.

Himebaugh, Lester C., and P. P. Gray, Hollis, assignors, by mesne assignments, to Parker, White, and Heyl, Inc., New York, N. Y. Sterilizing composition. 1,983,031; Dec. 4.

Hinds, Lolita M., et al. (See Bent, Jesse A., assignor.)

Hirsch, Louis, Textile Machines, Inc. (See Friedmann, Albert, assignor.)

Hitch, Emmet F., M. A. Dahlen, and M. E. Friedrich, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorinated arylamides. 1,982,661; Dec. 4.

Hitchcock, Forest B., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,983,510; Dec. 4.

Hochheim, Ernst. (See Winkler, F., Hochheim, and Bergmann.)

Hockenyos, George L. (See Flint, W. P., and Hockenyos.)

Hockman, Ashby J., Portsmouth, Va. Steering gear safety device. 1,983,459; Dec. 4.

Hodson, Walter D., Chicago, Ill. Lime soap grease. 1,982,662; Dec. 4.

Hoe, R., & Co., Inc. (See Strain, William J., assignor.)

Hoe, Robert, Hyde Park, N. Y. Power unit. 1,983,292; Dec. 4.

Hofer, Adolf, executor. (See Gretsch, Viktor.)

Hoffmaster, Byron T., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Counter display package. 1,982,663; Dec. 4.

Hollinger, Jacob E. (See Chater, J. A., Cary, and Hollinger.)

Holveck, Joseph E., Crafton, Pa., assignor to The Aldrich Pump Company. System and apparatus for delivering feed water to steam boilers. 1,983,032; Dec. 4.

Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)

Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Compound gas turbine and producing power therewith. 1,982,664; Dec. 4.

Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion turbine. 1,982,665; Dec. 4.

Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Apparatus for charging explosion chambers. 1,982,666; Dec. 4.

Home Facilities, Inc. (See van Roosendael, August, assignor.)

Hookless Fastener Company. (See Cox, Leonard, assignor.)

Hope Webbing Co., Inc. (See Horton, Charles A., assignor.)

Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Home seaming machine. 1,983,081; Dec. 4.

Hopkins, Charles, Detroit, Mich. Pneumatic bumping tool for sheet metal. 1,982,667; Dec. 4.

Hopkins, Horace H., Springfield, and F. S. Stewart, Aldan, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonyellowing baking enamel. 1,983,460; Dec. 4.

Horsley, James H., Chicago, assignor to Shanklin Manufacturing Co., Springfield, Ill. Torch. 1,983,372; Dec. 4.

Horton, Charles A., Providence, assignor to Hope Webbing Co., Inc., Pawtucket, R. I. Tape fastener. 1,983,373; Dec. 4.

Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)

Howe, Wallace L., West Boylston, and R. H. Martin, assignors to Norton Company, Worcester, Mass. Article of bonded granular material and making the same. 1,983,082; Dec. 4.

Howett, Charles E., Lancaster, Pa. Liquid projecting device. 1,983,461; Dec. 4.

Howie, Kenneth, and C. C. Krieble, assignors to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 1,982,991; Dec. 4.

Howland, Winthrop P., Pacific Beach, Calif. Animal trap. 1,982,870; Dec. 4.

Hubbard, William A., Minneapolis, Minn. Nozzle for liquid fuel burners. 1,982,871; Dec. 4.

Hudgings, William F., Brooklyn, N. Y., assignor to Health Products Corporation of America. Medical apparatus. 1,983,298; Dec. 4.

Hudson Motor Car Company. (See Balts, Stuart G., assignor.)

Hughes Tool Company. (See Fletcher, Harold W., assignor.)

Hughes Tool Company. (See Garfield, Lewis E., assignor.)

Hughes Tool Company. (See Scott, Floyd L., assignor.)

Hughes Tool Company. (See Scott, F., and Garfield,, assignors.)

Hume, John T., Chicago, assignor to Electric Household Utilities Corporation, Cicero, Ill. Fluid pump. 1,983,131; Dec. 4.

Husted, Harry F., assignor to H. H. Newton, Galeton, Pa. Exerciser. 1,982,872; Dec. 4.

Hutchison, Miller R., jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, or the like. 1,983,033; Dec. 4.

Hutchison, Miller R., jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, engine and the like. 1,983,034; Dec. 4.

Huttenmiller, Philip, Cincinnati, Ohio. Air conditioning unit. 1,983,294; Dec. 4.

Hvid, Rasmus M., Chicago, Ill., assignor to Frigidaire Corporation. Dayton, Ohio. Refrigerating apparatus. 1,982,668; Dec. 4.

Hygrade Sylvania Corporation. (See Marsden, C. P., and Wheeler, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Mack, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Eisenmann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, L., and Leughs, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schladebach, H., and Hähle, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schönburg, Curt, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F., Hochheim and Bergmann, assignors.)

Illinois Watch Case Company. (See Irelan, Ellison S., assignor.)

Independent Lock Co. (See Falk, Morris, assignor.)

Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)

Industrial Improvements Incorporated. (See Kirby, James B., assignor.)

Intemann, William, Brooklyn, N. Y. Advertising device. 1,983,374; Dec. 4.

International Motor Patents Proprietary Limited. (See Falconer, William S., assignor.)

Intertype Corporation. (See Sylte, Richard E., assignor.)

Intravenous Products Co. of America. (See Christina, Vincent, assignor.)

Ionizing Corporation of America. (See Henry, Ira W., assignor.)

Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Contact material. 1,982,812; Dec. 4.

Irelan, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Lip stick container. 1,983,083; Dec. 4.

Irving Trust Company, temporary trustee. (See Strain, William J., assignor.)

Iskin, Herman, Jamaica, assignor to Sackman Brothers Company, New York, N. Y. Boy's pistol holster or similar article. Des. 93,981; Dec. 4.

Ives, Clifford E., Chicago, Ill. Variable speed drive. 1,983,132; Dec. 4.

Izawa, Riichiro, Kyoto, Japan. Manufacturing brush handles. 1,983,035; Dec. 4.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,982,813; Dec. 4.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,982,956; Dec. 4.

Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Gas purification. 1,983,375; Dec. 4.

James, Charles, deceased, Durham, N. H.; M. E. James, executrix, assignor to Skinner & Sherman, Inc., Boston, Mass. Treatment of beryllium-bearing ores. 1,982,873; Dec. 4.

James, Marion E., executrix. (See James, Charles.)

James River Paper Products, Inc. (See Haskell, Howze, assignor.)

Jamison, John K., Monessen, Pa., assignor to Hamilton Standard Propeller Company, Hartford, Conn. Tapering tubes. 1,982,874; Dec. 4.

Janus, Bernard, Sarnia, Ontario, Canada. Radiator cleaning apparatus. 1,983,084; Dec. 4.

Jean, Charles W., New York, N. Y. Copying machine. 1,983,133; Dec. 4.

Ject-In Limited. (See Kauzal, Gabriel P., assignor.)

Jefferson Electric Company. (See Daley, J. C., and Goddard, assignors.)

Jenkins, Bernard F., U. S. Navy. Device for testing impact tools. 1,982,669; Dec. 4.

Jenks, Abbott B., Taft, Calif. Safety joint. 1,982,915; Dec. 4.

Jensen, Aage, Los Angeles, Calif. Pressure circulator and scalder. 1,983,173; Dec. 4.

Joerger, William, Glendale, J. S. Sheehan, Cincinnati, and F. J. Jones, Middletown, Ohio. Sign standard. 1,983,174; Dec. 4.

Johnson, Frank E., assignor to John I. Paulding, Inc., New Bedford, Mass. Attachment plug receptacle. 1,983,511; Dec. 4.

Johnson, James P., Cleveland, Ohio. Variable speed mechanism. 1,982,670; Dec. 4.

Johnson, James P., Cleveland, Ohio. Producing roller bearings. 1,983,134; Dec. 4.

Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)

Johnson, Manfred J., Naugatuck, Conn. Instrument panel. Des. 93 982; Dec. 4.

Johnson, Stanley G., Hartford, Conn. Ejector for the contents of collapsible tubes. 1,983,462; Dec. 4.

Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Grounding protection system for high voltage systems. 1,983,085; Dec. 4.

Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric transmission line protective system. 1,983,086; Dec. 4.

Jones, Charles T. (See Keall, F. B., and Jones.)

Jones, Fred J. (See Joerger, W., Sheehan, and Jones.)

Jones & Laughlin Steel Corporation. (See Littler, Carl W., assignor.)

Jones, Lester L., Oradell, N. J. Phonograph. 1,983,087; Dec. 4.

Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Apparatus for making a tap. 1,982,736; Dec. 4.

Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Apparatus for removing metal in a threading operation. 1,982,737; Dec. 4.

Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Making a tap. 1,982,738; Dec. 4.

Julian & Kokenge Co., The. (See Stock, Otto F., assignor.)

Kaden, Willy, and F. Stiefenhofer, Munich, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Motion picture apparatus. 1,982,739; Dec. 4.

Kaess, Louis L., New York, N. Y. Radio direction finder. 1,983,230; Dec. 4.

Kalle Inc. (See Lieberknecht, Karl W., assignor.)

Kalite Company, Limited. (See Eaton, Leslie B., assignor.)

Kalman Steel Company. (See White, William E., assignor.)

Karthaus, Ferdinand J. F., Probolinggo, Java. Purifying used mineral lubricating oils. 1,982,992; Dec. 4.

Kaufmann, Ary, South Orange, N. J., assignor to K. Kaufman & Co., Inc. Portfolio. 1,983,036; Dec. 4.

Kaufmann, K. & Co., Inc. (See Kaufmann, Ary, assignor.)

Kauzal, Gabriel P., assignor to Ject-In Limited, Sydney, New South Wales, Australia. Stock drenching instrument. 1,982,993; Dec. 4.

Keall, Frank B., and C. T. Jones, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Edge burnishing machine. 1,982,740; Dec. 4.

Keen, Thomas A., St. Louis, Mo., assignor to H. M. Smith, River Forest, Ill. Dog starting apparatus. 1,983,376; Dec. 4.

Keenan, Edward T., Frostproof, Fla. Fruit juice extractor. 1,982,741; Dec. 4.

Keenan, Edward T., Frostproof, Fla. Fruit juice extractor. 1,982,742; Dec. 4.

Keitel, Hans J., Friedrichshafen, Germany. Fluid meter. 1,983,231; Dec. 4.

Keller, Andreas R., Lombard, Ill. Washing and cleaning apparatus for mash and strainer tubs. 1,983,232; Dec. 4.

Keller, Ernst, Basel, Switzerland. Stirring vessel. 1,983,233; Dec. 4.

Kelley-Koeth Manufacturing Company, The. (See Geise, George E., assignor.)

Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Production of sound. 1,983,377; Dec. 4.

Kellogg, John H., Battle Creek, Mich. Making acidophilus milk. 1,982,994; Dec. 4.

Kellogg, M. W., Co. (See Austin, Harold R., assignor.)

Kempster, jr., Ernest B., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,983,512; Dec. 4.

Kempster, jr., Ernest B., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,983,513; Dec. 4.

Kendall, Harold S. (See Strosacker, C. J., and Kendall.)

Kennedy, William D., Clifton, N. J., assignor to Wright Aeronautical Corporation. Valve gear servicing device. 1,983,378; Dec. 4.

Kerr, John B., St. Marys, Pa. Pipe. 1,983,135; Dec. 4.

Kiely, James, Gallup, N. Mex. Journal box hub liner. 1,982,671; Dec. 4.

Kiesel, William F., jr., Hollidaysburg, Pa. Railway car truck. 1,983,088; Dec. 4.

Kindelberger, James H., Los Angeles, Calif., assignor to General Aviation Manufacturing Corporation, Dundalk, Md. Airplane. Des. 93,983; Dec. 4.

Kingsbury, Harry T., assignor to Kingsbury Mfg. Company, Keene, N. H. Tape of checks. 1,983,463; Dec. 4.

Kingsbury Mfg. Company. (See Kingsbury, Harry T., assignor.)

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries. Chicago, Ill. Coupler operating mechanism. 1,983,136; Dec. 4.

Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction cleaner. 1,983,175; Dec. 4.

Kish, Charles. (See Peremi, E., and Kish.)

Kitchen, William G., assignor to Allbestos Corporation, Philadelphia, Pa. Making a flexible molded brake lining. 1,983,464; Dec. 4.

Kitson Company. (See Lovekin, Luther D., assignor.)

Kleinschmit, Oscar, Leipzig-Plagwitz, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany. Thread-severing mechanism. 1,983,465; Dec. 4.

Kleinschmit, Oscar, and K. Kugler, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany. Wire stitching or stapling machine. 1,982,743; Dec. 4.

Kliesrath, Victor W., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 1,982,815; Dec. 4.

Kliesrath, Victor W., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake mechanism. 1,982,816; Dec. 4.

Kline, Joseph E., Alpena, Mich. Oil cooler. 1,983,466; Dec. 4.

Klomparens, Jacob, Holland, Mich. Display receptacle. 1,983,176; Dec. 4.

Klüglein, Theobald, Woodside, N. Y. Adjustable device for curtains and draperies. 1,983,467; Dec. 4.

Knab, Max, New York, N. Y., assignor to Sprague Specialties Company, Quincy, Mass. Process and apparatus for making corrugated tubes. 1,983,468; Dec. 4.

Knab, Max, New York, N. Y., assignor to Sprague Specialties Co., North Adams, Mass. Corrugated tube. 1,983,469; Dec. 4.

Knape, Joseph J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Bracket. 1,983,470; Dec. 4.

Knape & Vogt Manufacturing Company. (See Knape, Joseph J., assignor.)

Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Safety receptacle for checks, coins, and the like. 1,983,089; Dec. 4.

Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Outlet box and hanger bar. 1,982,957; Dec. 4.

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,982,744; Dec. 4.

Knox, Maurice D. (See Allen, E. B., and Knox.)

Koch, Henry, assignor to Dictograph Products Company, Inc., Jamaica, N. Y. Dry battery packet. 1,983,037; Dec. 4.

Koenemann, Ernst, Halensee, near Berlin, Germany, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany. Simultaneous generation of coldness and steam under pressure. 1,982,672; Dec. 4.

Koenemann, Ernst, Berlin-Halensee, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany. Transforming heat energy. 1,982,745; Dec. 4.

Koepping, Emil D. (See Cramer, S. S., and Koepping.)

Köhler, Peter, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Absorber for refrigeration systems. 1,983,295; Dec. 4.

Kölsch, Reinhard, Pforzheim, Germany. Machine for universally milling, grinding, and drilling workpieces of all kinds. 1,983,090; Dec. 4.

Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Reversing mechanism. 1,983,137; Dec. 4.

Koppers Company of Delaware, The. (See Bragg, Gilbert A., assignor.)

Koppers Company of Delaware, The. (See Harlow, Earl V., assignor.)

Koppers Company of Delaware, The. (See Jacobson, David L., assignor.)

Koppers Company of Delaware, The. (See Lux, Elisabeth, assignor.)

Koppers Company of Delaware, The. (See Ramsburg, Charles J., assignor.)

Koppers Company of Delaware, The. (See Sperr, Frederick W., jr., assignor.)

Koppitz, Carl G., assignor to Railway & Industrial Engineering Co., Greensburg, Pa. Alternating current transmission system. 1,982,875; Dec. 4.

Korff, Arnold. (See Guziel, A. A., and Korff.)

Kovar, John R., Anoka, Minn. Cultivator shovel with sweep attachment. 1,982,746; Dec. 4.

Kramer, Eric B., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Conveyer mechanism. 1,983,471; Dec. 4.

Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, Germany, assignors to Standard-I. G. Company, Linden, N. J. Conversion of solid fuels and product derived therefrom or other materials into valuable liquids. 1,983,234; Dec. 4.

Kraus, Charles E., Ann Arbor, Mich. Variable pump. 1,982,958; Dec. 4.

Krieble, Charles C. (See Howie, K., and Krieble.)

Kroupsky, George, et al. (See Bodenschatz, August, assignor.)

Kruth, Frank, administrator. (See Star, Richard, assignor.)

Kugler, Karl. (See Kleinschmit, O., and Kugler.)

Kuhlmann, August M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Refining alloys. 1,982,959; Dec. 4.

Kummerer, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 1,982,916; Dec. 4.

Kurth, Franz J., Cologne-Dellbruck, Germany. Ventilating device. 1,982,747; Dec. 4.

Lacher, Ludwig, and Hans Niederreither, Munich, assignors to the firm Lawaczeck Gesellschaft mit beschrankter Haftung in Liquidation, Berlin, Germany. Arrangement in multicell electrolyzers. 1,983,296; Dec. 4.

Lamonica, Sebastiano, and E. R. Caruso, Hartford, Conn. Vehicle step. 1,982,748; Dec. 4.

Lancia, Vincenzo, Turin, Italy. Spray device for automotive vehicles. 1,983,472; Dec. 4.

Landis, Clifford H. (See Wallace, J. J., and Landis.)

Lane, Raymond T., Bath, N. Y. Culvert. 1,982,995; Dec. 4.

Lange, Henry, Quincy, Ill. Stove. Des. 93,984; Dec. 4.

Langenberg, Frederick C. (See Russell, N. F. S., and Langenberg.)

Larsen, Chris V. (See Mortensen, Jorgen, assignor.)

Larsh, Everett P., Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Electrodynamic machine. 1,983,091; Dec. 4.

Laughton, George A., Birmingham, England. Cuff link. 1,983,235; Dec. 4.

Laursen, Laurits A., Akron, Ohio. Inflatable curing bag for tire casings. 1,982,673; Dec. 4.

Laursen, Laurits A., Akron, Ohio. Sealing ring for tire casings. 1,982,674; Dec. 4.

Law, George H., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Preparation of acetoacetanilid. 1,982,675; Dec. 4.

Lawazceck Gesellschaft mit beschrankter Haftung in liquidation. (See Lacher, L., and Neiderreither, assignors.)

Lawrence, Harold J., assignor to Stromberg Motoscope Corporation, Chicago, Ill. Reservoir for mercury instruments. 1,983,297; Dec. 4.

Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinyl naphthalene. 1,982,676; Dec. 4.

Leach Company. (See Leach, E. C., and Hamren.)

Leach, Edward A., Schenectady, N. Y., assignor to General Electric Company. Condenser assembly. 1,983,379; Dec. 4.

Leach, Elbert C., and E. O. Hamren, assignors to Leach Company, Oshkosh, Wis. Truck mixer. 1,982,817; Dec. 4.

Leaver, James M., jr., Oakland, Calif., assignor of one-half to Donald Parker and Citizens National Trust and Savings Bank of Riverside, administrators. Bundle binding and tying machine. 1,983,473; Dec. 4.

Lee, Arthur L., Gibsonia, Pa. Mine car wheel. 1,983,177; Dec. 4.

Lee, George G. (See Hall, Stephen E., assignor.)

Lee, Norman, assignor of one-half to T. H. Greear, Volin, S. Dak. Automatic brake mechanism for trailers. 1,983,474; Dec. 4.

Leeberg, Edward, Roselle, N. J. Turf fork. 1,982,749; Dec. 4.

Lehman Company of America, The. (See Lehman, Edgar A., assignor.)

Lehman, Edgar A., assignor to The Lehman Company of America, Cannelton, Ind. High chair. 1,983,138; Dec. 4.

Lektophone Corporation. (See Rodman, Isaac P., assignor.)

Lelong, Lucien, Inc. (See Stein, Joseph S., assignor.)

Lemoine, Georges E., Chaumont, France. Breathing apparatus. 1,983,475; Dec. 4.

Lenk, Wilhelm, Remscheld-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Mohrenstrasse, Wuppertal-Oberbarmen, Germany. Drive arrangement for twisting machines with spindles arranged on both sides. 1,983,038; Dec. 4.

Lennig, Charles & Company, Inc. (See Bauer, Walter, assignor.)

Leuchs, Otto. (See Rosenthal, L., and Leuchs.)

Levine, Irving I., assignor of one-half to S. Mednick, Norfolk, Va. Fly. 1,982,996; Dec. 4.

Leviton Manufacturing Company. (See Baum, David, assignor.)

Lewis, Florence N., New York, N. Y. Fitted pocketbook. Des. 93,985; Dec. 4.

Libbey Cataphote Corporation, The. (See Searight, William H., assignor.)

Libbey-Owens-Ford Glass Company. (See Angelo, Andrew, assignor.)

Libbey-Owens-Ford Glass Company. (See Crowley, Joseph P., assignor.)

Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)

Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)

Libbey-Owens-Ford Glass Company. (See Watkins, G. B., and Wampler, assignors.)

Lieberknecht, Karl W., Oberlungwitz, Germany, assignor to Kallo Inc., New York, N. Y. Flat knitting machine needle bar. 1,982,818; Dec. 4.

Lincoln, William P., Electra, Tex. Tank deck. 1,983,476; Dec. 4.

Linder, Willis W., Salisbury, N. C. Apparatus for cleaning machines. 1,982,997; Dec. 4.

Link, Edwin A., jr., Cortland, N. Y. Illuminated aerial display. 1,982,960; Dec. 4.

Linton, Merwyn B., Chicago, Ill. Push on and pull off grease gun fitting. 1,982,678; Dec. 4.

Lippert, Elmer, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Locomotive tender. 1,982,819; Dec. 4.

Lisner, D., & Co. (See Ganz, Paul H., assignor.)

Little, Frederick B., Chicago, Ill. Mechanism for controlling electric circuits. 1,983,236; Dec. 4.

Littler, Carl W., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Cobble removal from push benches. 1,982,677; Dec. 4.

Lockie, Albert R., Oak Park, Ill. Electric switch and system. 1,983,298; Dec. 4.

Locomotive Firebox Company. (See Pyle, Leslie R., assignor.)

Lothrop, Charles R., Milton, and O. Cammann, Weston, Mass. Dispensing apparatus. 1,982,917; Dec. 4.

Loudon, Warren P., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric clock. 1,983,092; Dec. 4.

Lovekin, Luther D., Villa Nova, assignor to Kitson Company, Philadelphia, Pa. Relief valve. 1,983,514; Dec. 4.

Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Container and closure therefor. 1,983,139; Dec. 4.

Lowe, James P., Edinburgh, Scotland. Telephone system. 1,983,477; Dec. 4.

Lowenstein, Gabriel, New York, assignor to Fred Fear & Company, Brooklyn, N. Y. Dyeing articles. 1,982,820; Dec. 4.

Lucarelle, Joseph M., and J. E. Renholdt, assignors to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,983,039; Dec. 4.

Lulham, Thomas R., London, England. Smoker's ash tray. Des. 93,986; Dec. 4.

Lund, William J. (See Clarke, G., and Lund.)

Lux, Elisabeth, Essen-on-the-Ruhr, Germany, assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Cement for acid-proof brickwork. 1,983,498; Dec. 4.

Lybarger, Samuel F., assignor to E. A. Myers & Sons, Mount Lebanon, Pa. Earphone. 1,983,178; Dec. 4.

Lynch, Joseph H. (See Mortimer, Charles G., assignor.)

Lynn, George J., assignor to Marshall Field & Company, Chicago, Ill. Lady's purse. Des. 93,987; Dec. 4.

Lynn, Lambert H., Schenectady, N. Y., assignor to General Electric Company. High frequency amplifier. 1,983,380; Dec. 4.

Lyons, Henry W., Portland, Oreg. Blank stock. 1,983,040; Dec. 4.

M & S Manufacturing Co. Inc. (See Stevenson, Robert, assignor.)

Macfarlane, James C. (See Hillier, H., and J. C. and W. A. Macfarlane.)

Macfarlane, William A. (See Hillier, H., and J. C. and W. A. Macfarlane.)

MacGill, Charles F., Newton, Mass. Apparatus for preserving and dispensing liquids. 1,983,381; Dec. 4.

Mack, George F. (See Quick, J. D., and Mack.)

Mack, Ludwig. (See Ernst, O., and Mack, assignors.)

Maclean, Robert, Michigan City, Ind., assignor to Amalgamated Roofing Company, Chicago, Ill. Roofing. 1,982,679; Dec. 4.

MacMullin, Robert B., and W. K. McCready, Niagara Falls, assignors to The Mathieson Alkali Works Inc., New York, N. Y. Production of carbamates of the alkali-forming metals. 1,983,041; Dec. 4.

Maede, Leland S., Brooklyn, N. Y. Method and apparatus for roasting coffee. Re19,390; Dec. 4.

Malott, Ervin E. (See Fries, S. W., and Malott.)

Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Splice for lead sheathed cables. 1,983,042; Dec. 4.

Mann, Oscar O., Otterbein, and J. W. Chenoweth, Lebanon, Ind. Machine for treating corn stalks. 1,982,680; Dec. 4.

Marathon Paper Mills Company. (See Hoffmaster, Byron T., assignor.)

Markoff, William. (See Brosilow, L., Markoff, and Orosz.)

Markush, Eugene A., Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y. Diazoimino compound produced from heterocyclic imines. 1,982,681; Dec. 4.

Marsden, Charles P., Bloomfield, and C. M. Wheeler, Montclair, N. J., assignors to Hygrade Sylvania Corporation, Salem, Mass. Electrode and manufacture. 1,982,821; Dec. 4.

Marsh, Harry M., Hamilton, Ontario, Canada. Water softening apparatus. 1,982,961; Dec. 4.

Marsh, James R., Boise, Idaho. Vanity case. 1,983,382; Dec. 4.

Marshall Field & Company. (See Lynn, George J., assignor.)

Marshall Field & Company. (See Westlake, Edward G., assignor.)

Marshall, Roger F. (See Wittman, Walter G., assignor.)

Martin, Calvin L., Waterbury, Conn. Circulating system. 1,983,043; Dec. 4.

Martin, Richard H. (See Howe, W. L., and Martin.)

Marty, Edgar O., Pottsville, Pa. Fluid cooled grate. 1,982,918; Dec. 4.

Massé, Hormisdas, Woonsocket, R. I. Motor mounting. 1,982,682; Dec. 4.

Master Electric Company, The. (See Larsh, Everett P., assignor.)

Matchett, Irven J., Methuen, Mass. Bedclothes holder. 1,982,998; Dec. 4.

Mathieson Alkali Works, Inc. (See MacMullin, R. B., and McCready, assignors.)

Maurer, Gottfried, Zurich, Switzerland. Machine for boring and plugging holes in wood. 1,983,179; Dec. 4.

Maxwell, William H., Beverly Hills, Calif. Well pump. 1,982,919; Dec. 4.

May, John W., Belmont, Mass. Fastening device for straps and the like. 1,983,383; Dec. 4.

Maynard, Melvin D., Brooklyn, N. Y. Game. 1,983,044; Dec. 4.

McAfee, William K. (See Turner, C., Beam, and McAfee.)

McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,982,962; Dec. 4.

McCann, John J., jr., Lowell, Mass. Textile clamp. 1,982,683; Dec. 4.

McCarthy, J. Clarence, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of surface coverings. 1,983,180; Dec. 4.

McCathron, Earl H., Bridgeport, Conn. Liquid and air heating apparatus. 1,983,140; Dec. 4.

McClellan, George, assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo. Shoe. Des. 93,988; Dec. 4.

McCloud, W. B., & Company. (See Terris, Gordon G., assignor.)

McClure, Harry T., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Wire-stitching machine. 1,983,384; Dec. 4.

McConnell, Elliot B., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Making asphalt. 1,982,920; Dec. 4.

McCord Radiator & Mfg. Co. (See Schank, H. E., and Seemiller, assignors.)

McCready, Wesley K. (See MacMullin, R. B., and McCready.)

McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Apparatus for handling plates. 1,982,876; Dec. 4.

McCue, Harry J., Cleveland, Ohio. Dispensing apparatus. 1,982,750; Dec. 4.

McElwain, J. F. (See Shea, John J., assignor.)

McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric blasting cap package and forming the same. 1,983,141; Dec. 4.

McGee, Joseph W., New York, N. Y. Shoe. Des. 93,989; Dec. 4.

McGregor, Thomas A. (See Saunders, W. S., and McGregor.)

McKitham, Q. C. (See Willis, Lee E., assignor.)

McKnight, Martin T., Mount Airy, N. C. Tool. Des. 93,990; Dec. 4.

McLaughlin, R. Wayne, Scotia, N. Y., assignor to General Electric Company. Hydraulic control system. 1,983,385; Dec. 4.

Mechlovits, Bernat, New York, N. Y. Mold for manufacturing ornaments. 1,982,877; Dec. 4.

Mednick, Solomon. (See Levine, Irving I., assignor.)

Meier, Herman, and E. Gründmann, West New York, N. J. Hair-waving apparatus. 1,982,684; Dec. 4.

Meigs, Joseph V., Dobbs Ferry, assignor to Sweets Laboratories Inc., New York, N. Y. Condensation products of carbohydrate derivatives. 1,982,822; Dec. 4.

Meredith, Ross, Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding machines. 1,982,823; Dec. 4.

Merta, Method, Chicago, Ill. Film moving mechanism. 1,982,921; Dec. 4.

Metal Package Corporation. (See Hopkins, Arthur G., assignor.)

Metke, Frank H. (See Carter, Samuel C.)

Midgley, Roy A., Las Vegas, Nev. Internal combustion engine. 1,983,237; Dec. 4.

Midway Chemical Company. (See Glover, John, assignor.)

Miehle Printing Press & Mfg. Company, The. (See Sites, Benjamin L., assignor.)

Mikeska, Peter L., Schenectady, N. Y., assignor to General Electric Company. Combustion arrangement for oil burners. 1,983,386; Dec. 4.

Millen, James, Malden, Mass. Coil selecting and indicating means for short wave radio apparatus. 1,982,751; Dec. 4.

Miller, John G., Baltimore, Md. Newspaper vendor. 1,982,999; Dec. 4.

Miltenberger, Eugene F., Red Bank, N. J. Unloading mechanism for belt conveyers. 1,982,824; Dec. 4.

Minchakievich, Peter E., New York, N. Y. Window construction. 1,983,299; Dec. 4.

Mining Engineering Company. (See Nyborg, Tage G., assignor.)

Mitchell, Orville, Dallas, Tex. Making gin ribs. 1,983,300; Dec. 4.

Moe, Andrew O., Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Method of and apparatus for cleaning fruit. 1,983,478; Dec. 4.

Mohler, Francis, Schenectady, N. Y., assignor to General Electric Company. Working metal. 1,983,387; Dec. 4.

Molaska Corporation, The. (See Black, T., and Drew, assignors.)

Monsanto Chemical Company. (See Clemmensen, Erik, assignor.)

Monsanto Chemical Company. (See Flint, W. P., and Hockeynos, assignors.)

Montgomery, James M., Piqua, Ohio. Automatic measuring mechanism. 1,983,093; Dec. 4.

Moore, Abram J., Melrose Highlands, Mass., assignor to General Electric Company. Device for testing and sorting of electrically conducting parts. 1,983,388; Dec. 4.

Moore Company, The. (See Wunderlich, William E., assignor.)

Moore, Edwin E., Chicago, Ill. Floor plate. Des. 93,991; Dec. 4.

Moore, Edwin E., Chicago, Ill. Floor plate. Des. 93,992; Dec. 4.

Morgan Construction Company. (See Quinn, Edward J., assignor.)

Morgan, Walter E., assignor to Dayton Veneer & Lumber Mills, Dayton, Tenn. Retainer for basket covers. 1,983,479; Dec. 4.

Morgan, William M., Tulsa, Okla., assignor to The Carbondale Machine Co., Carbondale, Pa. Cooling apparatus. 1,983,301; Dec. 4.

Moriya, Saburo M., Arden, Del. Coffee bag. 1,983,142; Dec. 4.

Morris, Albert M. (See Hillebrand, W. A., and Morris.)

Morrisey, Thomas S., Montreal, Quebec, Canada. Coin control mechanism. 1,983,480; Dec. 4.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Coronaless shockproof unit. 1,982,825; Dec. 4.

Mortimer, Charles G., Glen Ridge, assignor to J. H. Lynch, Asbury Park, N. J. Start and stop control for power machines. 1,983,389; Dec. 4.

Mortensen, Jorgen, assignor of fifty per cent to C. V. Larsen, Sitka, Alaska. Anchor. 1,983,481; Dec. 4.

Morton, Charles, Providence, R. I. Spinning frame. 1,983,181; Dec. 4.

Morton, Charles D., River Forest, Ill. Toilet seat guard pad. 1,982,922; Dec. 4.

Moxley, Stephen D. (See Barr, C. D., and Moxley.)

Mücklich, Max, Dresden, Germany. Antiskid tire for motor vehicles. 1,983,238; Dec. 4.

Mueller, Russell A., Belleville, Ill. Bottle sterilizing device. 1,983,390; Dec. 4.

Mulkern, John J. (See Brunner, W., and Mulkern.)

Müller, Kurt E., Berlin-Friedenau, Germany, assignor to General Electric Company. Arc-starting device for vapor discharge devices. 1,983 391; Dec. 4.

Müller, Rudolf, Wiesbaden Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc. Roll shifting device. 1,982,685; Dec. 4.

Multicycol Pump & Engine Corporation. (See Hutchison, Miller R., jr., assignor.)

Munday, Richard B., Oakwood assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Liquid measure. 1,983,239; Dec. 4.

Murchey Machine & Tool Company. (See Prance, Albert J., assignor.)

Muros, Joseph, Astoria, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,982,878; Dec. 4.

Murphy, James, Chicago, Ill. Railway brake head and shoe. 1,983,302; Dec. 4.

Musante, Augustine F. S. (See Alleman G., and Musante.)

Myers, E. A., & Sons. (See Lybaeger, Samuel F., assignor.)

Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,983,482; Dec. 4.

N. V. Küchenmeister's Internationale Maatschappij voor Sprekende Films Amsterdam-Film. (See Ehrenhaft, Franz, assignor.)

National Aniline and Chemical Company. (See Payne, R., and Conrad, assignors.)

Needham, Robert J., Toronto, Ontario, Canada, and H. C. Woodbridge, Rochester, N. Y. Boiler construction. 1,983,182; Dec. 4.

Neher, George J., Buffalo, N. Y. Flexible coupling. 1,983,094; Dec. 4.

Nein, William C., and T. W. Varley, New York N. Y. Self-starting synchronous motor. 1,982,826; Dec. 4.

Nelson, George B., Redfield, Iowa. Mail box. 1,982,923; Dec. 4.

Nelson Herman Corporation, The. (See Nelson, Richard H., assignor.)

Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Unit heater and control mechanism therefor. 1,982,686; Dec. 4.

Nesbit, Robert C., Alpharetta, Ga. Harrow. 1,983,143; Dec. 4.

Neumann, Franz J. G., and W. R. Haubold, Anahuac, assignors, by mesne assignments, to The Salt Dome Oil Corporation, Houston, Tex. Apparatus for making geophysical measurements. 1,983,483; Dec. 4.

New Delphos Manufacturing Company, The. (See Werner, E. C., and Burger, assignors.)

New England Fibre Blanket Company. (See Ellis, Theodore T., assignor.)

New Jersey Zinc Company, The. (See Ginder, P. M. and Handwerk, assignors.)

Newell, Everett E. (See Norwood, H. Y., and Newell.)

Newell, Robert E., Irwin, and J. A. Robertshaw, Greensburg, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Valve. 1,983,183; Dec. 4.

Newton, Harry H. (See Husted, Harry F., assignor.)

Newton, William G., Hamden, Conn. Casting machine. 1,983,303; Dec. 4.

Niagara Sprayer and Chemical Co. Inc. (See Chater, J. A., Cary and Hollinger, assignors.)

Nickelsen John, New York, N. Y., assignor to Warren Telechron Company. Combined clock case and dial. Des. 93,993; Dec. 4.

Nicosia, Vincent N., Houston, Tex. Hair waving or curling rod. 1,983,144; Dec. 4.

Niederreither, Hans. (See Lacher, L., and Niederreither.)

Nielsen, Anton H. (See Davis, R. E., and Nielsen.)

Nilsson, Richard, assignor to Aktiebolaget Lesto, Stockholm, Sweden. Shaft packing. 1,983,392; Dec. 4.

Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. Des. 93,994; Dec. 4.

Noftzger, Charles F., Chicago, Ill. Making bearings and bearing materials. 1,983,184; Dec. 4.

Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Filter screen. 1,982,924; Dec. 4.

Norsk-Hydro-Elektrisk Kvaelstofaktelselskab. (See Foss, Antonius, assignor.)

Northup, John C., Atlanta, Ga. Automobile. Des. 93,995; Dec. 4.

Norton Company. (See Howe, W. L., and Martin, assignors.)

Norwood, Harry Y., Rush, and E. E. Newell, assignors to Taylor Instrument Companies, Rochester, N. Y. Hygrometer. 1,982,752; Dec. 4.

Novak, John L., assignor to Acmeline Manufacturing Company, Traverse City, Mich. Filling top for sprayer tanks. 1,983,185; Dec. 4.

Novat, Lee, Fort Smith, Ark. Safety pin. 1,983,186; Dec. 4.

Nyborg, Tage G., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Conveyer. 1,983,484; Dec. 4.

Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone set. 1,983,393; Dec. 4.

O'Brien, James J., Wayne, Pa. Pile. 1,982,687; Dec. 4.

Ohio Brass Company, The. (See Austin, Arthur O., assignor.)

Ohio Brass Company, The. (See Hillebrand, William A., assignor.)

Ohio Brass Company, The. (See Hillebrand, W. A., and Morris, assignors.)

Ohio Electric Mfg. Co., The. (See Walter, Allen D., assignor.)

Oil Devices Corporation. (See Breese, James L., jr., assignor.)

Olin, John F., Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Alkali metal di-amyldithiocarbamates. 1,983,240; Dec. 4.

Olsen, Marlow W., Harlan, Iowa, and H. T. Baker, New Brunswick, N. J. Turning eggs during the incubation of the same. 1,982,827; Dec. 4.

Olson, John, Brooklyn, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Muffler. 1,983,304; Dec. 4.

Orosz, John. (See Brosilow, L., Markoff, and Orosz.)

Ostermeier, Johannes, Althegnenberg, Germany, assignor, by mesne assignments, to General Electric Company. Photoflash device. 1,983,394; Dec. 4.

Oswell, Benjamin M., Los Angeles, Calif. Counter set-up rack. 1,983,187; Dec. 4.

Overbury, Frederick C., Hillsdale, N. J. Adapter for explosive fluid tanks. 1,982,879; Dec. 4.

Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)

Pachter, Peter T., Chicago, Ill. Automatic book cutting machine. 1,982,880; Dec. 4.

Pack, Robert W., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Revivifying sodium bicarbonate solution. 1,982,688; Dec. 4.

Packard Motor Car Company. (See Edwards, Herbert C., assignor.)

Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Packard Motor Car Company. (See Tibbetts, Milton, assignor.)

Packard Motor Car Company. (See Woolson, Lionel M., assignor.)

Panter, Elmore H., Louisville, Ky. Reversible window. 1,982,753; Dec. 4.

Paper Service Company, The. (See Rowe, William W., assignor.)

Parker, Donald, administrators et al. (See Leaver, James H., jr., assignor.)

Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Contact assembly. 1,983,095; Dec. 4.

Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch device. 1,983,096; Dec. 4.

Parker, White and Heyl, Inc. (See Himebaugh, L. C., and Gray, assignors.)

Paul, Abraham S., Brooklyn, N. Y. Windshield heater. 1,983,485; Dec. 4.

Paul, Moriz J. A., Waldhofen-on-the-Ybbs, Austria, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England. Doffing mechanism for flyer spinning, doubling, twisting, and like machines. 1,983,000; Dec. 4.

Paulding, John I., Inc. (See Johnson, Frank E., assignor.)

Paulin, Josua G., Eskilstuna, Sweden. Measuring instrument. 1,983,305; Dec. 4.

Paulin, Josua G., Eskilstuna, Sweden. Measuring instrument. 1,983,486; Dec. 4.

Payne, Ralph B., Elma, and K. F. Conrad, Buffalo, assignors to National Aniline and Chemical Company, Inc., New York, N. Y. Coloring matter derived from pyrazolones. 1,983,045; Dec. 4.

Peale-Davis Company. (See Peale, R., and Davis, assignors.)

Peale, Richard, St. Benedict, and K. Davis, Ebensburg, Pa., assignors, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,983,487; Dec. 4.

Pearson, Paul E. (See Troyer, N., and Pearson.)

Pedigo, Luther T., Greensburg, Kans. Reamer. 1,983,488; Dec. 4.

Penrod, John, Okmulgee, Okla. Pump for use in wells. 1,983,490; Dec. 4.

Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Well pump. 1,983,489; Dec. 4.

Peremi, Edmund. (See Ely, W. S., and Peremi.)

Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 1,983,395; Dec. 4.

Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 1,983,396; Dec. 4.

Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)

Perry, Joseph A. (See Hall, E. L., Perry, and Brady.)

Peterson, Benedict F., Milwaukee, Wis. Steam heating system for automobiles. 1,983,145; Dec. 4.

Peterson, Bert L., Wooster, Ohio. Rotary disk orifice valve. 1,982,754; Dec. 4.

Petroleum Heat and Power Company. (See Shields, Carl E., assignor.)

Petter, Noel A., assignor to Standard Paper Box Corporation, Los Angeles, Calif. Egg box filler and carton. 1,983,306; Dec. 4.

Pew, Arthur E., jr., Bryn Mawr, and L. A. Tarbox, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Preparing used filtering material for revivification. 1,982,828; Dec. 4.

Pfeiffer, Frank E. and W. C., assignors to The Egry Register Company, Dayton, Ohio. Manifolding device for typewriters. 1,983,097; Dec. 4.

Pfeiffer, Franklin. (See von Gruber, O., and Pfeiffer.)

Pfeiffer, William C. (See Pfeiffer, Frank E. and W. C.)

Pharma Chemical Corporation. (See Markush, Eugene A., assignor.)

Philadelphia Drying Machinery Company. (See Belcher, Harold H., assignor.)

Picco, John, New York, N. Y. Ventilating window shade. 1,983,046; Dec. 4.

Pier, Mathias. (See Kranch, C., and Pier.)

Pier, Mathias, Heidelberg, and E. Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of liquid hydrocarbon products. 1,983,241; Dec. 4.

Pittman, Ralph R., Pine Bluff, Ark. Protective system for electrical circuits. 1,983,188; Dec. 4.

Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)

Pixley, Milton A., Columbus, Ohio. Closure. 1,983,098; Dec. 4.

Polhemus, Russell E., New York, N. Y. Medical case. 1,983,491; Dec. 4.

Polydoroff, Wladimir J., assignor to Johnson Laboratories, Incorporated, Chicago, Ill. Magnetic core material. 1,982,689; Dec. 4.

Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Selective radio circuit. 1,982,690; Dec. 4.

Polzer, Fridolin, South Norwalk, Conn. Plier type stapling machine. 1,983,397; Dec. 4.

Polzer, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 1,983,398; Dec. 4.

Porter-Cable Machine Company, The. (See Emmons, Arthur N., assignor.)

Post, Marvin C., Brookfield, Mo. Anchor. 1,982,963; Dec. 4.

Prance, Albert J., assignor to Murchey Machine & Tool Company, Detroit, Mich. Thread cutting tool. 1,983,189; Dec. 4.

Prance, Albert J., assignor to Murchey Machine & Tool Company, Detroit, Mich. Thread cutting tool. 1,983,190; Dec. 4.

Price, Earl E., Minneapolis, Minn. Valve structure. 1,983,191; Dec. 4.

Proctor & Gamble Company, The. (See Eckey, Eddy W., assignor.)

Projector Improvement Company, Inc. (See Fuchs, C. A., and Spaloss, assignors.)

Pungs, Wilhelm, and K. Eisenmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of coatings and the like artificial masses. 1,982,881; Dec. 4.

Pyle, Leslie R., assignor to Locomotive Firebox Company, Chicago, Ill. Spark arrester. 1,982,691; Dec. 4.

Queeney, Donald H., Plainfield, N. J. Control for electric trains. 1,982,692; Dec. 4.

Quick, Joseph D., and G. F. Mack, Binghamton, N. Y. Setting hides. 1,983,001; Dec. 4.

Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Clutch operating mechanism. 1,982,925; Dec. 4.

Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Operating mechanism for clutches and the like. 1,982,926; Dec. 4.

Radioaktiengesellschaft D. S. Loewe. (See von Ardenne, Manifred, assignor.)

Radio Condenser Company. (See Cramer, S. S., and Koepping, assignors.)

Radio Corporation of America. (See Aceves, Julius G., assignor.)

Radio Corporation of America. (See Roberts, Walter vanB., assignor.)

Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)

Railway & Industrial Engineering Co. (See Koppitz, Carl G., assignor.)

Ramsburg, Charles J., Edgeworth, Pa., assignor to The Koppers Company of Delaware. Sulphur preparation. 1,983,399; Dec. 4.

Reed, Daniel J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Conveyer. 1,983,492; Dec. 4.

Reed, E. P., & Co. (See Ebling, Walter E., assignor.)

Reese, Thomas S., Cleveland, Ohio. Mounting transfer decorations. 1,982,927; Dec. 4.

Reeves, Eugene, Los Angeles, Calif. Tag for cakes of soap. 1,983,002; Dec. 4.

Regenhardt, Walter F., Cleveland, Ohio. Sectional filing cabinet. 1,983,307; Dec. 4.

Reiner, Morris, Brooklyn, N. Y. Envelope. 1,983,400; Dec. 4.

Rekuperator, Gesellschaft mit beschrankter Haftung. (See Schack, Alfred, assignor.)

Rembrandt Lamp Corporation. (See Brosilow, L., Markoff, and Orosz, assignors.)

Renholdt, John E. (See Lucarelle, J. M., and Renholdt.)

Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Amplification system for glow relay devices. 1,982,829; Dec. 4.

Revere Copper and Brass, Incorporated. (See Wilkins, Richard A., assignor.)

Reynolds, William E., Glen Rock, N. J., and R. Harvey, New York, N. Y. Textile fabric or similar article of manufacture. Des. 93,996; Dec. 4.

Rhodes, Thornton R., Riverside, Calif. Flight recorder for aircraft. 1,982,882; Dec. 4.

Richard, Charles D. (See Hampton, L. N., Davis, and Richard.)

Richardson, Donald S., assignor to Ring Containers Limited, London, England. Hermetically sealed tin and other container, and sealing the same. 1,982,883; Dec. 4.

Richardson, Eri H., Palo Alto, Calif. Combined fireplace form and damper construction. 1,983,003; Dec. 4.

Richter, Charles J., Berwyn, Ill., assignor to Goss Printing Press Company. Inking mechanism. 1,982,830; Dec. 4.

Ricker, Chester S., Waukesha, Wis. Control for electrical devices. 1,983,308; Dec. 4.

Riesman, Joseph G., Milton, assignor to Royal Electric Company, Incorporated, Avon, Mass. Plug fuse. 1,982,693; Dec. 4.

Rimmer, John H. (See Whitfield, J. F., and Rimmer.)

Ring Containers Limited. (See Richardson, Donald S., assignor.)

Robb, John F., Cleveland Heights, assignor to Highway Trailer Company, Edgerton, Wis. Fifth wheel construction. 1,982,928; Dec. 4.

Robb, Charles F., jr. (See Wright, William D., assignor.)

Roberts, Walter vanB., Princeton, N. J., assignor to Radio Corporation of America. Superregenerative receiver. 1,982,694; Dec. 4.

Robertshaw, John A. (See Newell, R. E., and Robertshaw.)

Robertshaw Thermostat Company. (See Newell, R. E., and Robertshaw, assignors.)

Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Road joint base unit. 1,982,695; Dec. 4.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Staple pulling machine. 1,982,755; Dec. 4.

Robinson, Henry, Lindenhurst, N. Y. Silverware burnishing machine. 1,983,401; Dec. 4.

Rodman, Isaac P., South Orange, assignor to Lektophone Corporation, Jersey City, N. J. Production of motion pictures in natural colors. 1,983,402; Dec. 4.

Roebling's Sons, John A., Company. (See Sunderland, Charles C., assignor.)

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Matrix roaster. 1,982,756; Dec. 4.

Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing plate clamp operating means. 1,982,757; Dec. 4.

Rogers, Jabin V., Wenatchee, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for treating fruits and vegetables. 1,983,403; Dec. 4.

Rohm & Haas Aktiengesellschaft. (See Röhm, O., and Bauer, assignors.)

Röhm, Otto, and W. Bauer, assignors to Rohm & Haas Aktiengesellschaft, Darmstadt, Germany. Insulated electrical conductor. 1,982,831; Dec. 4.

Rohn, Wilhelm, Hanau-on-the-Main, Germany. Induction furnace. 1,983,242; Dec. 4.

Rollman, Michael A., Mount Joy, Pa. Electric plug. 1,982,758; Dec. 4.

Rose, Clarence C., and J. Altmayer, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery charge control system. 1,983,243; Dec. 4.

Rosén, Carl G. A., Oakland, assignor to Caterpillar Tractor Co., San Leandro, Calif. Gasket. 1,982,759; Dec. 4.

Rosenberg, Louis, Brooklyn, N. Y. Receptacle. 1,982,696; Dec. 4.

Rosenthal, Leo, Vohwinkel, near Elberfeld, and O. Leuchs, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Solvent for preparing cellulose ether lacquers. 1,982,760; Dec. 4.

Rosenthal, Morris, New York, N. Y. Marble package. 1,983,499; Dec. 4.

Ross James W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass feeder. 1,982,761; Dec. 4.

Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Bag or container liner and making it. 1,982,929; Dec. 4.

Rowland, Thad W., St. Petersburg, Fla. Prize ticket for animal racing. 1,983,004; Dec. 4.

Royal Electric Company, Incorporated. (See Riesman, Joseph G., assignor.)

Royal, Thomas M., Philadelphia, Pa. Attachment for paper bag making machines. 1,982,697; Dec. 4.

Royal Railway Improvements Corporation. (See Sauvage, William H., assignor.)

Royal Typewriter Company, Inc. (See Myers, Lewis C., assignor.)

Rubel, Albert C. (See Grinnell S., and Rubel.)

Rubinstein, Wilton, Clayton, Mo. Adjustable collar band. 1,983,309; Dec. 4.

Ruggiero, Gennaro, Cleveland, Ohio. Burner. 1,983,244; Dec. 4.

Ruggiero, Gennaro, Cleveland, Ohio. Burner. 1,983,245; Dec. 4.

Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Hopper magazine feed device. 1,982,964; Dec. 4.

Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Casting metallic annuli. 1,982,762; Dec. 4.

Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Casting ingots. 1,982,763; Dec. 4.

Russell, Romulus M., assignor to Universal Sanitary Manufacturing Co., New Castle, Pa. Jet closet. 1,983,404; Dec. 4.

Russo, Domenico J., Revere, Mass. Convertible seat and bed. 1,982,930; Dec. 4.

Ryan, George F., Lynn, Mass., assignor, by mesne assignments to United Shoe Machinery Corporation, Paterson, N. J. Pattern grading machine. 1,982,764; Dec. 4.

Rystrom, Charles H., et al. (See Wahlmark, Gunnar A., assignor.)

Sachtleben, Lawrence T., Oaklyn, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 1,983,310; Dec. 4.

Sackman Brothers Company. (See Iskin, Herman, assignor.)

St. Louis Basket & Box Corporation. (See Buhrmaster, Frederick R., assignor.)

Sakowski, John, Chicago, Ill. Putty guard and window pane holder. 1,983,246; Dec. 4.

Sakurai, Sueo, Koishikawa-ku, assignor to Zaiden Hojin Rikagaku Kenkyujo, Tokyo, Japan. Positive sensitized paper. 1,983,005; Dec. 4.

Salt Dome Oil Corporation, The. (See Neumann, F. J. G., and Haubold, assignors.)

Sampson, Charles H., assignor to Sampson Permagraph Co. Inc., Rochester, N. Y. Keyboard mechanism. 1,983,099; Dec. 4.

Sampson Permagraph Co. (See Sampson, Charles H., assignor.)

Sand Spun Patents Corporation. (See Barr, C. D., and Moxley, assignors.)

Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,982,832; Dec. 4.

Sargent, William D., New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Speed controlled stripping mold. 1,983,146; Dec. 4.

Saunders, Walter S., and T. A. McGregor, assignors to The American Forging and Socket Company, Pontiac, Mich. Brake actuating lever. 1,983,192; Dec. 4.

Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,983,193; Dec. 4.

Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Combined brake housing and wheel. 1,982,698; Dec. 4.

Saxby, Robert N., assignor to Automatic Electric Company Limited, Liverpool, England. Ticket issuing machine for totalizators. 1,983,247; Dec. 4.

Sayles Biltmore Bleacheries, Inc. (See Dillingham, Perry A., assignor.)

Schack, Alfred, Dusseldorf-Oberkassel, assignor to Rekuperator, Gesellschaft mit beschrankter, Haftung, Dusselfdorf, Germany. Recuperator. 1,983,194; Dec. 4.

Schank, Harry E., and P. R. Seemiller, assignors to McCord Radiator & Mfg. Co., Detroit, Mich. Radiator core. 1,982,931; Dec. 4.

Schladebach, Hermann, Dessau in Anhalt, and H. Hähle, Dessau-Ziebigk in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Antirust paint. 1,983,006; Dec. 4.

Schleicher, Manfred, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Luminous duplicating system for the purpose of supervising electrical distributing systems. 1,983,311; Dec. 4.

Schlumbohm, Peter, assignor to Centa Trading Corporation, New York, N. Y. Optical device. 1,983,312; Dec. 4.

Schmerler, Joseph J., New York, N. Y. Spreader for paste tubes. 1,982,833; Dec. 4.

Schmidt, Paul, Munich, Germany. Producing motive forces on aircraft, by the explosion of inflammable mixtures of substances. 1,983,405; Dec. 4.

Schnell, William J., Berwyn, assignor to Electrical Research Laboratories, Inc., Chicago, Ill. Radio reception. 1,982,965; Dec. 4.

Scholnick Shoe Co. (See Weinstat, Samuel, assignor.)

Scholtes, Albert J., Baltimore, Md. Tube flanging tool. 1,983,407; Dec. 4.

Schönburg, Curt, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial mass. 1,982,765; Dec. 4.

Schönfelder, Robert, Dortmund-Eving, Germany. Sulphur separator. 1,983,313; Dec. 4.

Schorle, Herman J. (See Smith, W. A., jr., and Schorle.)

Schrader, Gerhard. (See Bergdolt, A., Schrader and Corell.)

Schrank, Max C., Bridgeton, N. J. Underwear for women and girls. 1,983,147; Dec. 4.

Schreckengost, Viktor. (See Alborn, F. G., and Schreckengost.)

Schreckengost, Viktor, and F. G. Alborn, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,997; Dec. 4.

Schreckengost, Viktor, and F. G. Alborn, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,998; Dec. 4.

Schreiber, Ernst H., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Electrical measuring device. 1,982,766; Dec. 4.

Schrøder, Einar, and J. A. S. van Deurs, Copenhagen, Denmark. Apparatus for production of foam by mechanical means. 1,982,884; Dec. 4.

Schubert, Charles A. (See Bantleon, H. G., and Schubert.)

Schultz, Roy M., assignor to Cook Electric Company, Chicago, Ill. Heat motor. 1,983,314; Dec. 4.

Schulz, William H., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 1,983,100; Dec. 4.

Schweisthal, Fred G., assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping device. 1,982,966; Dec. 4.

Schwendt, Bernard J. (See Viegand, F. B., Schwendt, and Flath.)

Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Mounting for reamer cutters. 1,983,315; Dec. 4.

Scott, Floyd L., and L. E. Garfield, assignors to Hughes Tool Company, Houston, Tex. Three-cone bit. 1,983,316; Dec. 4.

Scott, Herbert V. W., Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y. Knitting runproof or run-resistant knitted fabric and the resulting fabric. 1,983,148; Dec. 4.

Scribner, George K., assignor to Boonton Molding Company, Boonton, N. J. Oil bottle spout. 1,983,101; Dec. 4.

Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Taper roller and race assembly. 1,982,932; Dec. 4.

Searight, William H., assignor to The Libbey Cataphote Corporation, Toledo, Ohio. Road marker. 1,983,102; Dec. 4.

Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,983,500; Dec. 4.

Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Sugar bowl. Des. 93,999; Dec. 4.

Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Cup or similar article. Des. 94,000; Dec. 4.

Sebring Pottery Company, The. (See Sebring, Charles L., assignor.)

Seemiller, Paul R. (See Schank, H. E., and Seemiller.)

Seiler, Sam, Clermont, Fla. Steering wheel. 1,983,195; Dec. 4.

Seitz, Jacob A., Syracuse, N. Y. Coupling for trailers. 1,983,317; Dec. 4.

Seward, Clarence L., jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Magnetic compass. 1,983,103; Dec. 4.

Shanklin Manufacturing Co. (See Horseley, James H., assignor.)

Shannon, S. Q., et al. (See Bent, Jesse A., assignor.)

Sharples Solvents Corporation, The. (See Olin, John F., assignor.)

Shea, John J., Nashua, N. H., assignor to J. F. McElwain Co., Boston, Mass. Shoe. 1,983,408; Dec. 4.

Sheehan, John S. (See Joerger, W., Sheehan, and Jones.)

Sherman Paper Products Corporation. (See Flinn, Arthur C., assignor.)

Shermund, Ralph C., assignor to Stanford Products, San Francisco, Calif. Electric motor mechanism. 1,983,149; Dec. 4.

Shields, Carl E., Greenwich, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Mounting for oil burners. 1,983,318; Dec. 4.

Shimwell, Oliver, Gawsworth, England. Weft inserting mechanism for looms for weaving. 1,983,409; Dec. 4.

Shryock, Joseph G., Philadelphia, Pa. Floor construction. 1,983,410; Dec. 4.

Sibley, Charles R., Lake Mary, Fla., assignor to Sibley-Pym Corporation, Lynn, Mass. Winding machine. 1,982,933; Dec. 4.

Sibley-Pym Corporation. (See Sibley, Charles R., assignor.)

Siegal, George H., Pittsburgh, Pa. Egg candling device. 1,983,104; Dec. 4.

Siemens & Halske Aktiengesellschaft. (See Brandenburger, Leo, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Schleicher, Manfred, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Wilhelm, Karl, assignor.)

Siever, Carl H., Oak Park, Ill. Preservation of vegetable cellulosic material. 1,983,248; Dec. 4.

Sigman, Ira R., assignor of one-half to N. A. Simonsen, Alameda, Calif. Electric circuit breaker. 1,983,150; Dec. 4.

Silex Company, The. (See Boever, Anne M., assignor.)

Silex Company, The. (See Wolcott, Frank E., assignor.)

Silva, Albert D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Amplifying apparatus. 1,983,047; Dec. 4.

Silverman, Alexander, Pittsburgh, Pa. Coloring agents for glass batches and employing same. 1,983,151; Dec. 4.

Simmons Company. (See Gail, John F., assignor.)

Simons, Frank K., St. Davids, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Coupling device. 1,983,007; Dec. 4.

Simonsen, Nells A. (See Sigman, Ira R., assignor.)

Simpson, Clarence E., Springfield, Mass. Machine gun. 1,982,699; Dec. 4.

Simpson, John F., assignor to Ensemble Manufacturing Company, Inc., Washington, D. C. Apparatus for making facial and massage cream. 1,983,319; Dec. 4.

Singer Manufacturing Company, The. (See Allen, E. B., and Knox, assignors.)

Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)

Sisson, Vinton E., Winnetka, assignor to Union Metal Products Company, Chicago, Ill. Buffer mechanism for passenger cars. 1,983,048; Dec. 4.

Sisson, Vinton E., Winnetka, assignor to Union Metal Producta Company, Chicago, Ill. Railway car hopper door. 1,983,049; Dec. 4.

Sites, Benjamin L., assignor to The Miehle Printing Press & Mfg. Company, Chicago, Ill. Printing element and making same. 1,982,967; Dec. 4.

Sizer, Fred W., Harbert, Mich. Clamping device. 1,983,050; Dec. 4.

Skinner & Sherman, Inc. (See James, Charles, assignor.)

Slogan, Agnes O. (See Aiken, Daniell, assignor.)

Smith, A. O., Corporation. (See Reed, Daniel J., assignor.)

Smith, A. O., Corporation. (See Smith, George M., assignor.)

Smith, Carroll O., and D. I. Sweany, Baltimore, Md. Convertible carriage. 1,982,834; Dec. 4.

Smith, Charles G., Mason City, Iowa. Electric bulb pliers. 1,983,411; Dec. 4.

Smith, Elza E., et al. (See Tabor, William H., assignor.)

Smith, George, New York, N. Y. Calk. 1,983,406; Dec. 4.

Smith, George M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Sheet metal pavement grid and making the same. 1,983,412; Dec. 4.

Smith, Hannah M. (See Keen, Thomas A., assignor.)

Smith, L C, and Corona Typewriters, Inc. (See Flanigan, John J., assignor.)

Smith, Ralph E., assignor to The Galion Metallic Vault Co., Galion, Ohio. Hydraulic power dumping mechanism. 1,983,051; Dec. 4.

Smith, William A., jr., North Arlington, N. J., and H. J. Schorle, Astoria, assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Percussive tool valve. 1,982,700; Dec. 4.

Smith, William A., jr., North Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Percussive tool. 1,982,701; Dec. 4.

Snyder, Francis H., assignor to F. H. Snyder, Inc., New York, N. Y. Purification of bast fibers. 1,983,008; Dec. 4.

Snyder, Francis H., Inc. (See Snyder, Francis H, assignor.)

Societa Italiana Pirelli. (See Spagnolo, Sesto, assignor.)

Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass surfacing table. 1,983,009; Dec. 4.

Solomon, Nathan L., Brooklyn, N. Y. Curl presser. 1,982,767; Dec. 4.

Spagnolo, Sesto, assignor to Societa Italiana Pirelli, Milan, Italy. Device for twisting textile filamentary material. 1,983,413; Dec. 4.

Spaloss, Frank. (See Fuchs, C. A., and Spaloss.)

Spees, Russell H., Constantine, assignor to Wolverine Carton Company, Wyoming Township, Mich. Carton. 1,983,010; Dec. 4.

Speik, Frederick A. (See Forbes, G. K., and Speik.)

Sperr, Frederick W., jr., Phoenix, Ariz., assignor to The Koppers Company of Delaware. Production of ammonia compounds. 1,983,320; Dec. 4.

Sperry, Elmer A., jr. (See Bassett, P., and Sperry.)

Sperry, Elmer A., jr., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro pilot for aircraft. 1,982,702; Dec. 4.

Sperry Gyroscope Company. (See Bassett, P., and Sperry, assignors.)

Sperry Gyroscope Company, Inc. (See Carlson, Bert G., assignor.)

Sperry Gyroscope Company. (See Carlson, B., and Thompson, assignors.)

Sperry Gyroscope Company. (See Sperry, Elmer A., jr., assignor.)

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Spiegl, Ellis H., Salinas, Calif. System of handling produce such as lettuce. 1,983,052; Dec. 4.

Spiegl, Ellis H., Salinas, Calif. Grappling device. 1,983,053; Dec. 4.

Spiker, William C., Atlanta, Ga. Golf club. 1,983,196; Dec. 4.

Sprague Specialties Company. (See Knab, Max, assignor.)

Squire, Roy E., Huntington Park, Calif. Hurdle. 1,982,934; Dec. 4.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 1,982,968; Dec. 4.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 1,982,969; Dec. 4.

Stalker, Edward A., Ann Arbor, Mich. Ground propulsion of aircraft. 1,983,493; Dec. 4.

Stamp, Hugo O., Pittsburgh, Pa. Mixing concrete and other substances. 1,983,197; Dec. 4.

Stampfli, Leopold T., Crescent Mills, and S. Chiritescu, Paxton, assignors, by mesne assignments, of one-third to V. U. Williams, Virgilia, Calif. Drill steel puller. 1,982,835; Dec. 4.

Standard-I. G. Company. (See Krauch, C., and Pier, assignors.)

Standard-I. G. Company. (See Pier, M., and Donath, assignors.)

Standard Oil Company, The. (See McConnell, Elliot B., assignor.)

Standard Oil Company. (See Voorhees, Vanderveer, assignor.)

Standard Paper Box Corporation. (See Petter, Noel A., assignor.)

Standard Stoker Company, Incorporated, The. (See Lippert, Elmer, assignor.)

Standard Stoker Company, Incorporated, The. (See Turner, Edwin A., assignor.)

Stanford Products. (See Shermund, Ralph C., assignor.)

Stanford Products, Ltd. (See Brower, William M., assignor.)

Stanley Works, The. (See Volz, Frederick A., assignor.)

Star, Richard, deceased, Brooklyn, N. Y.; F. Kruth, administrator. Tank gauge. 1,982,970; Dec. 4.

Staugaard, Hans H., Detroit, Mich. Collapsible trailer vehicle. 1,982,935; Dec. 4.

Steiger, Walther, Bern, Switzerland. Two stroke self-igniting internal combustion engine. 1,983,198; Dec. 4.

Stein, Joseph S., Highland Park, assignor to L. Lelong, Inc., Chicago, Ill. Perfume container or similar article. Des. 94,001; Dec. 4.

Stephens, Robert M., Scotia, and V. J. Chapman, Schenectady, N. Y., assignors to General Electric Company. Welding apparatus. 1,983,321; Dec. 4.

Stevenson, Robert, West Barrington, assignor to M & S Manufacturing Co. Inc., Providence, R. I. Gearing. 1,982,768; Dec. 4.

Stewart, Edmund T., New York, N. Y. Casement window operator. 1,983,152; Dec. 4.

Stewart, Francis S. (See Hopkins, H. H., and Stewart.)

Stewart, Henry P., Nutley, N. J. Transportation package. 1,983,322; Dec. 4.

Stewart, Robert W., Apalachicola, Fla. Motor vehicle license plate lock. 1,983,105; Dec. 4.

Stewart Warner Corporation. (See Schweisthal, Fred G., assignor.)

Stiefenhofer, Ferdinand. (See Kaden, W., and Stiefenhofer.)

Stith, Roy L., Locust Grove, Okla. Circulating water heater. 1,983,199; Dec. 4.

Stock, Otto F., assignor to The Julian & Kokenge Co., Columbus, Ohio. Shoe. Des. 94,002; Dec. 4.

Stock, Otto F., assignor to The Julian & Kokenge Co., Columbus, Ohio. Shoe. Des. 94,003; Dec. 4.

Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Box. 1,983,323; Dec. 4.

Stokes and Smith Company. (See Stokes, John S., assignor.)

Stoll, Arthur, and A. Binkert, assignors to Swiss firm of Chemical Works formerly Sandoz, Basel, Switzerland. Bile acid amides and their preparation. 1,983,414; Dec. 4.

Stone, R. Harry. (See Fletcher, C. W., and Stone.)

Stowell, Howard E. (See Benner, R. C., and Stowell.)

Strain, William J., Upper Montclair, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Former for printing machines. 1,982,703; Dec. 4.

Straker, Arthur, New York, N. Y. Window operating device. 1,983,054; Dec. 4.

Stromberg Motoscope Corporation. (See Lawrence, Harold J., assignor.)

Strosacker, Charles J., and H. S. Kendall, assignors to The Dow Chemical Company, Midland, Mich. Thermally decomposing hydrocarbons. 1,983,415; Dec. 4.

Stukenborg, Louis C., Memphis, Tenn. Dual-post vehicle lift. 1,982,936; Dec. 4.

Stupakoff Laboratories, Inc. (See Stupakoff, Semon H., assignor.)

Stupakoff, Semon H., assignor to Stupakoff Laboratories, Inc., Pittsburgh, Pa. Insulator and cathode embodying the same. 1,982,885; Dec. 4.

Sturgis, La Verne C., Springfield, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Method of and apparatus for hatching eggs. 1,983,055; Dec. 4.

Submarine Signal Company. (See Turner, Edwin E., jr., assignor.)

Sulzer Frères Societe Anonyme. (See Egloff, Hans C., assignor.)

Sun Oil Company. (See Alleman, G., and Musante, assignors.)

Sun Oil Company. (See Pack, Robert W., assignor.)

Sun Oil Company. (See Pew, A. E., jr., and Tarbox, assignors.)

Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope and making the same. 1,983,249; Dec. 4.

Sundstrom, Clarence M., Montpelier, Ind. Packless valve. 1,983 106; Dec. 4.

Sunnen, Joseph, St. Louis, Mo. Honing device for cylinders. 1,982 836; Dec. 4.

Sunnen, Joseph, Kirkwood, Mo. Split lock replacer. 1,982,837; Dec. 4.

Sunnen, Joseph, Kirkwood, Mo. Combined valve lifter and spring compressor. 1,982,838; Dec. 4.

Superheater Company, The. (See Armacost, Wilbur H., assignor.)

Superheater Company The. (See Gordon, Charles W., assignor.)
Superheater Company, The. (See Griffin, Joseph F., assignor.)
Sutherland Paper Company. (See McAleer, Charles F., assignor.)
Suzuki, Fujio. (See Fuwa, K., and Suzuki.)
Svenson, Ernest J., et al. (See Wahlmark, Gunnar A., assignor.)
Swanson, Herman, Mullan Idaho. Pack saddle. 1,982,839; Dec. 4.
Swartz, Guy E., Detroit, Mich. Driving-locking-releasing means. 1,982,886; Dec. 4.
Sweany, Donald I. (See Smith, C. O., and Sweany.)
Sweet, Clifford I., assignor to The Delphos Bending Company, Delphos, Ohio. Baby rocker. Des. 94,004; Dec. 4.
Sweetland, Ernest J., Piedmont, Calif. Adjustable lawn sprinkling means. 1,982,840; Dec. 4.
Sweets Laboratories Inc. (See Meigs, Joseph V., assignor.)
Swerdloff, Max M., Buffalo N. Y. Combination receptacle and advertising display. 1,983,153; Dec. 4.
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Machine for making articles of pulp. 1,983,324; Dec. 4.
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown N. J. Tray for eggs and other fragile articles. 1,983,325; Dec. 4.
Swift, George W., jr., Inc. (See Swift, George W., jr., assignor.)
Swiss firm of Chemical Works formerly Sandoz. (See Stoll, A., and Binkert, assignors.)
Sylte, Richard E., Chicago, Ill., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix magazine for typographical machines. 1,983,501; Dec. 4.
Symington, T. H., & Son, Inc. (See Symington, Thomas H., assignor.)
Symington Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway car truck. 1,982,704; Dec. 4.
Tabor, William H., assignor of one-fourth to F. H. Baribeau, and one-fourth to E. E. Smith, Huntington W. Va. Drive coupling for fluid pumps. 1,982,971; Dec. 4.
Tamini, Mario, Milan, Italy. Priming mechanism for portable pumps. 1,982,841; Dec. 4.
Tanner, Warren A., Albany, N. Y. Pump. 1,982,887; Dec. 4.
Tarbox Leon A. (See Pew, A. E., jr., and Tarbox.)
Tarleton, Frederic L., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Float valve. 1,982,705; Dec. 4.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Taylor Instrument Companies. (See Norwood, H. Y., and Newell, assignors.)
Taylor, William H., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Making ice. 1,982,842; Dec. 4.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial staple fiber. 1,983,326; Dec. 4.
Tector, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Expanding means for pistons. 1,982,706; Dec. 4.
Teichmann, Henry F., Washington, Pa. Refrigerator. 1,983,056; Dec. 4.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kummerer, Wilhelm, assignor.)
Terris, Gordon G., assignor to W. B. McCloud & Company, Chicago, Ill. Moth exterminator. Des. 94,005; Dec. 4.
Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Automatic control for stokers. 1,983,416; Dec. 4.
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thomas, Arthur, Thornton Heath, and R. C. E. Blamey, Purley Oaks, assignors to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Keyboard operated machine. 1,983,154; Dec. 4.
Thomas, Charles A., assignor to Dayton Synthetic Chemicals, Incorporated, Dayton, Ohio. Prepared resin. 1,982,707; Dec. 4.
Thomas, Charles A., and W. H. Carmody, assignors to Dayton Synthetic Chemicals, Inc., Dayton, Ohio. Resin from petroleum hydrocarbons. 1,982,708; Dec. 4.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Fruit and vegetable peeler. 1,982,709; Dec. 4.
Thompson, Earl A., assignor to General Motors Corporation, Detroit, Mich. Clutch mechanism for transmissions. 1,982,769; Dec. 4.
Thompson, Herbert H. (See Carlson, B., and Thompson.)
Thompson, Robert D. (See Penrod, John, assignor.)
Thurmer, Sophie J., Brooklyn, N. Y. Bottle bag. 1,983,418; Dec. 4.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 1,983,250; Dec. 4.
Timken Roller Bearing Company, The. (See Ackerman, Paul C., assignor.)
Timken Roller Bearing Company, The. (See Bergert, Henry A., assignor.)
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
Titeflex Metal Hose Co. (See Fletcher, C. W., and Stone, assignors.)
Todd, Raymond W., Grays Lake, Ill. Divided calked sole. 1,983,107; Dec. 4.
Tokheim, John J., Cedar Rapids, Iowa. Fire screen unit for volatile liquid storage receptacles. 1,983,417; Dec. 4.
Tollison, Paul L., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Constant volume pump. 1,982,770; Dec. 4.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Reenforcement of high speed abrasive wheels. 1,982,710; Dec. 4.
Tongue, Glendon T., Philadelphia, Pa. Fly paper package. 1,983,251; Dec. 4.
Totty, Charles H. (See Easlea, Walter, assignor.)
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Trnudt, William F., Buffalo, N. Y. Apparatus for washing or treating materials. 1,983,155; Dec. 4.
Trautmann, Bailey & Blampey, Inc. (See Behrens, Albert I., assignor.)
Traver, Edward V., New York, N. Y. Health glider. 1,982,843; Dec. 4.
Tribune Company, The. (See Wolf, Otto R., assignor.)
Troll, Frederick J., Towson, assignor to R. N. Baer, Baltimore, Md. Razor blade wiper and drier. 1,983,011; Dec. 4.
Troyer, Nelson, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Can vacuumizing and sealing machine. 1,983,252; Dec. 4.
Troyer, Nelson, and P. E. Pearson, Seattle, Wash., assignors to Continental Can Company, Inc. Can vacuumizing and closing machine. 1,983,253; Dec. 4.
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Tsukamoto, Keijuro, Los Angeles, Calif. Rhythm sticks. 1,982,888; Dec. 4.
Turnberger, Edward, Newark, N. J. Pencil. 1,982,889; Dec. 4.
Turner, Carl E., J. R. Beam, and W. R. McAfee, assignors to Universal Sanitary Manufacturing Co., New Castle, Pa. Combination closet and flush tank. 1,983,419; Dec. 4.
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Distributor member. 1,983,057; Dec. 4.
Turner, Edwin E., jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Method and apparatus for distance finding. 1,983,254; Dec. 4.
Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
Underwood, Arthur, Washington, D. C. Trimming device. 1,983,420; Dec. 4.
Ungelenk, Alfred, Thuringia, Germany, assignor to General Electric Company. Covering for X-ray apparatus. 1,983,327; Dec. 4.
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Oil Company of California. (See Grinnell, S., and Rubel, assignors.)
Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
United Gas Improvement Company, The. (See Brady, E. J., and Hall, assignors.)
United Gas Improvement Company, The. (See Hall, Edwin L., assignor.)
United Gas Improvement Company. (See Hall, E. L., Perry, and Brady, assignors.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Clarke, G., and Lund, assignors.)
United Shoe Machinery Corporation. (See Keall, F. B., and Jones, assignors.)
United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
United Shoe Machinery Corporation. (See Ryan, George F., assignor.)
United States Electrical Manufacturing Company. (See Heyer, Don, assignor.)
U. S. Manufacturing Corporation. (See Bennett, John L., assignor.)
United States Pipe and Foundry Company. (See Russell, N. F. S., and Langenburg, assignors.)
Universal Air Filter Corporation. (See Christofferson, Charles, assignor.)
Universal Button Fastening & Button Company. (See Clark, John M., assignor.)
Universal Optical Corporation. (See Searles, Wayne S., assignor.)
Universal Sanitary Manufacturing Co. (See Russell, Romulus M., assignor.)
Universal Sanitary Manufacturing Co. (See Turner, C., Beam, and McAfee, assignors.)
Urschel, Bertis H., Bowling Green, Ohio. Tubular axle. 1,982,890; Dec. 4.
Vanak Corporation. (See Knee, Aaron A., assignor.)
Van Brunt Manufacturing Company, The. (See Erdman, Theodore J., assignor.)
van Deurs, Jan A. S. (See Schrøder, E., and van Deurs.)

Van Iawagen, Charles L., jr., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire splicing machine. 1,982,844; Dec. 4.
Van Raalte Company. (See Scott, Herbert V. W., assignor.)
Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rotary blower blade. 1,983,201; Dec. 4.
Van Roosendael, August, Los Angeles, Calif., assignor to Home Facilities, Inc. Folding rack. 1,982,972; Dec. 4.
Van Wormer, Bernard A., La Grande, Oreg. Sawing machine. 1,983,421; Dec. 4.
Varley, Thomas W. (See Nein, W. C., and Varley.)
Vaughan, Henry P., assignor to Detroit Lubricator Company, Detroit, Mich. Control means. 1,983,502; Dec. 4.
Venus Brassiere Co. Inc. (See Graves, Rose M., assignor.)
Venzie, Frederick M., Philadelphia, Pa. Ceiling construction. Re19,391; Dec. 4.
Venzie, Frederick M., Philadelphia, Pa. Machine for molding floor slabs. 1,982,891; Dec. 4.
Venzie, Frederick M., Philadelphia, Pa. Plaster board or like building construction. 1,982,892; Dec. 4.
Verdich, Hans P., Aberdeen, S. Dak. Reflecting device. 1,983,108; Dec. 4.
Vickers, Harry F., Detroit, Mich. Combined rapid traverse and slow traverse hydraulic system. 1,982,711; Dec. 4.
Vilter Manufacturing Company, The. (See Taylor, William H., assignor.)
Viscose Company, The. (See Griffin, Frank H., assignor.)
Voices, Incorporated. (See Grubman, Leo J., assignor.)
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Collable measuring rule. 1,983,202; Dec. 4.
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Measuring rule. 1,983,503; Dec. 4.
Von Ardenne, Manfred, Berlin, assignor to Radioaktiengesellschaft D. S. Lowe, Berlin-Steglitz, Germany. High frequency wave modulation. 1,982,771; Dec. 4.
Von Gruber, Otto, and F. Pfeiffer, assignors to the firm of Carl Zeiss, Jena, Germany. Image-plate holding chamber for image-measuring devices. 1,983,328; Dec. 4.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Desuperheater. 1,983,422; Dec. 4.
Voce, Lewis S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Magazine for shuttle changing loom. 1,982,772; Dec. 4.
Wagman, Morris H., Brooklyn, N. Y. Mouth spreader or pocket structure. 1,982,845; Dec. 4.
Wahlmark, Gunnar A., assignor of one-third to E. J. Svenson and one-third to C. H. Rystrom, Rockford, Ill. Carburetor. 1,983,255; Dec. 4.
Walt, Justin F., New York, N. Y. Process and apparatus for fractionation. 1,983,058; Dec. 4.
Walborn, Arthur L., Reading, Pa. Spreader attachment for trucks. 1,982,773; Dec. 4.
Wales Nathaniel B., New York, N. Y. Coffeepot. 1,982,846; Dec. 4.
Walker, Harold B., et al. (See Bodenschatz, August, assignor.)
Wallace, J. D., & Co. (See Wallace J. D. and Landis, assignors.)
Wallace, John D., and C. H. Landis, assignors to J. D. Wallace & Co., Chicago, Ill. Mechanical figure for exemplifying the golf swing. 1,983,329; Dec. 4.
Wallace & Tiernan Products, Inc. (See Warren, J. P., and Beensen, assignors.)
Walter, Allen D., East Cleveland, assignor to The Ohio Electric Mfg. Co., Cleveland, Ohio. Bearing lubrication. 1,982,937; Dec. 4.
Wampler, Roy W. (See Watkins, G. B. and Wampler.)
Ward, Paul, Nashville, Tenn. Combination tool. 1,983,256; Dec. 4.
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Warren, James P., and C. H. Beensen, Dania, Fla., assignors to Wallace & Tiernan Products Inc., Belleville, N. J. Removing slimy growth accumulations from water-contact surfaces. 1,983,109; Dec. 4.
Warren Telechron Company. (See Nickelsen, John, assignor.)
Warrick, Jane E., Tampa, Fla. Oven. 1,983,110; Dec. 4.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing laminated glass. 1,982,712; Dec. 4.
Watkins, George B., and R. W. Wampler, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for sealing laminated glass. 1,983,156; Dec. 4.
Watling Manufacturing Company. (See Watling, William D., assignor.)
Watling, William D., assignor to Watling Manufacturing Company, Chicago, Ill. Weighing scale. 1,983,257; Dec. 4.
Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Piece-end sewing machine. 1,983,258; Dec. 4.
Weber, Mathias J., assignor, by mesne assignments, to Continental Scale Works, Chicago, Ill. Scale. 1,982,938; Dec. 4.
Weber, Mathias J., assignor, by mesne assignments, to Continental Scale Works, Chicago, Ill. Platform scale. 1,982,939; Dec. 4.
Weiland, Alfred, Germantown, Pa. Control mechanism for vehicles. 1,983,259; Dec. 4.
Weinstat, Samuel, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 94,006; Dec. 4.
Weir, G. & J., Limited. (See Hillier, H., and Macfarlane, J. C. and W. A.)
Weiss, Samuel, Brooklyn, N. Y. Tag and tag fastener. 1,982,940; Dec. 4.
Welch, Arthur R., assignor to Harbor Plywood Corporation, Hoquiam, Wash. Doweling machine. 1,982,713; Dec. 4.
Welch, Sidney A., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial filaments, threads, films, or the like. 1,983,330; Dec. 4.
Wendel, Frans B., Brooklyn, N. Y. Package opener. 1,982,973; Dec. 4.
Werkspoor, N. V. (See Bonath, Richard, assignor.)
Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric outlet. 1,983,157; Dec. 4.
Werner, Elmer C., and L. X. Burger, assignors to The New Delphos Manufacturing Company, Delphos, Ohio. Container. Des. 94,007; Dec. 4.
Werner, Ludlow E., Brooklyn, N. Y. Mixing machine. 1,982,847; Dec. 4.
Westburgh, Arthur E., assignor to E. R. Haglund, Jamestown, N. Y. Lubricator. 1,983,504; Dec. 4.
Western-Austin Company. (See Benbow, J. D., and Green, assignors.)
Western Clock Company. (See Greenleaf, William H., assignor.)
Western Electric Company, Incorporated. (See Hill, Walter M., assignor.)
Western Union Telegraph Company. (See Mample, Adolph X., assignor.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing machine with sealing rolls. 1,983,505; Dec. 4.
Westinghouse Lamp Company. (See Iredell, Charles V., assignor.)
Westinghouse Lamp Company. (See Rentschler, H. C., and Henry, assignors.)
Westinghouse X-Ray Company, Inc. (See Morrison, Montford, assignor.)
Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. 94,008; Dec. 4.
Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,009; Dec. 4.
Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,010; Dec. 4.
Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,011; Dec. 4.
Wheeler, Carson M. (See Marsden, C. P., and Wheeler.)
Whitaker, William M., Hemphill, W. Va. Insect destroyer. 1,983,423; Dec. 4.
White Construction Co., Inc. (See Escher, Gustav E., assignor.)
White Motor Company, The. (See Alborn, F. G., and Schreckengost, assignors.)
White Motor Company, The. (See Schreckengost, V., and Alborn, assignors.)
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Road chair. 1,982,714; Dec. 4.
Whitehurst, George W., Portsmouth, Va. Portable radiator. 1,983,111; Dec. 4.
Whiteside, Arthur L., East Orange, N. J. Traveling agitator and the like. 1,982,715; Dec. 4.
Whitehurst, George W., Portsmouth, Va. Regulator for oil burners. 1,983,112; Dec. 4.
Whitfield, Joseph F., and J. H. Rimmer, Hurdle Mills, N. C. Washboard. 1,983,424; Dec. 4.
Whitford, Richard, Palmerstown, North, New Zealand. Flexible four wheel drive for motor vehicles. 1,983,203; Dec. 4.
Widmer, Stefan, and G. Brunner, assignors to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier control system. 1,983,204; Dec. 4.
Wiegand, Frederick B., Cleveland, and B. J. Schmendt, Lakewood, Ohio, and O. S. Flath, Chicago, Ill. Cable outlet. 1,982,716; Dec. 4.
Wildman Mfg. Co. (See Howie, K., and Krieble, assignors.)
Wilhelm, Karl, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Low capacity switching means. 1,982,717; Dec. 4.
Wilkins, Richard A., assignor to Revere Copper & Brass, Incorporated, Rome, N. Y. Stainless copper base alloy. 1,983,205; Dec. 4.
Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
Willard Storage Battery Company. (See Rose, C. C., and Altmayer, assignors.)
Williams, Estelle P. (See Williams, Villor P., assignor.)
Williams, Hubert L., assignor to General Motors Corporation, Detroit, Mich. Loading equipment. 1,983,113; Dec. 4.
Williams Hubert L., assignor to General Motors Corporation, Detroit, Mich. Loading equipment. 1,983,114; Dec. 4.
Williams, V. U. (See Stampfil, L. T., and Chiritescu, assignors.)
Williams, Villor P., assignor to E. P. Williams, Baltimore, Md. Bumper. 1,982,775; Dec. 4.

Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Time element circuit for traffic controlling systems. 1,983,506; Dec. 4.
Willis, Lee E., assignor of one-fourth to Q. C. McKitham, Fort Worth, Tex. Grappling tool. 1,983,425; Dec. 4.
Wilson, Odell, Auburn, Calif. Antifriction bearing. 1,982,893; Dec. 4.
Wilson, Odell, Auburn, Calif. Antifriction bearing. 1,982,894; Dec. 4.
Winkler, Fritz, Ludwigshafen-on-the-Rhine, E. Hochheim, Heidelberg, and F. Bergmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mirror. 1,982,774; Dec. 4.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Control mechanism. 1,982,895; Dec. 4.
Wise, John, Salina, Kans. Tool. 1,983,426; Dec. 4.
Wittman, Walter G., assignor of ten per cent to R. F. Marshall. Indianapolis, Ind. Anticarburizing compound. 1,982,718; Dec. 4.
Witzel, Charles C., Brooklyn, N. Y. Rocking chair. 1,983,206; Dec. 4.
Witzel, Charles C., Brooklyn, N. Y. Rocking chair. 1,983,207; Dec. 4.
Woerner, Erwin, North Caldwell, N. J. Display turntable. 1,982,776; Dec. 4.
Woerner, William A., Elizabeth, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Tool. 1,982,719; Dec. 4.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Electric coffee maker. 1,983,209; Dec. 4.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Electric coffee maker. 1,983,210; Dec. 4.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Electric stove. 1,983,211; Dec. 4.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,983,212; Dec. 4.
Wolf, Otto R., Oak Park, assignor to The Tribune Company, Chicago, Ill. Ink fountain for printing presses. 1,983,115; Dec. 4.
Wolff-Tober Shoe Manufacturing Company. (See McClellan, George, assignor.)
Wolverine Carton Company. (See Spees, Russell H., assignor.)
Wood, Charles D., & Sons, Inc. (See Wood, Harry L., assignor.)
Wood, Harry L., Lakewood, assignor to Charles D. Wood & Sons, Inc., Cleveland, Ohio. Folding machine. 1,982,848; Dec. 4.
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood Newspaper Machinery Corporation. (See Tollison, Paul L., assignor.)
Woodbridge, Howard C. (See Needham, R., and Woodbridge.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Sprayed metal case for a storage battery. 1,983,507; Dec. 4.
Woodhead, Henry A., Graniteville, S. C. Method and apparatus for treating cloth. 1,982,720; Dec. 4.
Woolson, Emma F., executrix. (See Woolson, Lionel M.)
Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,982,721; Dec. 4.
Worthington Pump and Machinery Corporation. (See Gilman, George H., assignor.)
Worthington Pump and Machinery Corporation. (See Smith, William A., jr., assignor.)
Worthington Pump and Machinery Corporation. (See Smith, W. A., jr., and Schorle, assignors.)
Worthington Pump and Machinery Corporation. (See Woerner, William A., assignor.)
Wright Aeronautical Corporation. (See Kennedy, Wilham D., assignor.)
Wright, Russel, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Ice bowl. Des. 94,012; Dec. 4.
Wright, William D., Brockport, assignor to C. F. Robb, jr., Webster, N. Y. Mechanism for bag filling and weighing machines. 1,983,427; Dec. 4.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Spring assembly. 1,982,941; Dec. 4.
Yates, William K. (See Chaney, J. L., and Yates.)
Young, Leonard A., Detroit, Mich. Head and shaft assembly for golf clubs. 1,983,158; Dec. 4.
Youngstown Sheet and Tube Company, The. (See Adams, James L., jr., assignor.)
Zaidan Hojin Rikagaku Kenkyujo. (See Sakurai, Sueo, assignor.)
Zeidler, Gustav A., jr., Medford Station, N. Y. Drilling wells. 1,983,428; Dec. 4.
Zeiss, Carl. (See Eisenbut, Hugo, assignor.)
Zeiss, Firm, Carl (See von Gruber, O., and Pfeiffer, assignors.)
Zimmer, Meade L., Cordoba, Argentina. Computing machine. 1,982,722; Dec. 4.
Zimmerman, Emil, Everett, Wash. Solid fuel burner. 1,983,059; Dec. 4.
Zorzi, Carlo, Milan, Italy. Combined motor and compressor. 1,983,260; Dec. 4.
Zorzi, Carlo, Milan, Italy. Pump or compressor. 1,983,261; Dec. 4.
Zorzi, Carlo, Milan, Italy. Combined motor and compressor. 1,983,262; Dec. 4.
Zukerman, Roscoe C., Stockton, Calif. Water jug support for motor vehicles. 1,983,060; Dec. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrasive wheel. R. C. Benner and H. E. Stowell. 1,982,628; Dec. 4.
Absorber for refrigeration systems. P. Köhler. 1,983,295; Dec. 4.
Accelerator switch for clocks. W. H. Greenleaf. 1,983,026; Dec. 4.
Acetoacetanilid, Preparation of. G. H. Law. 1,982,675; Dec. 4.
Adapter for explosive fluid tanks. F. C. Overbury. 1,982,879; Dec. 4.
Adhesive. W. Bauer. 1,982,946; Dec. 4.
Adjustable device for curtains and draperies T. Klüglein. 1,983,467; Dec. 4.
Adjustable hinge. E. H. Ellison. 1,983,125; Dec 4.
Advertising device. W. Intemann. 1,983,374; Dec. 4.
Aerial display, Illuminated. E. A. Link. 1,982,960; Dec. 4.
Agitator and the like, Traveling. A. L. Whiteside. 1,982,715; Dec. 4.
Air and dust separator. T. E. Forster. 1,982,733; Dec. 4.
Air cleaner. W. H. Schulz. 1,983,100; Dec. 4.
Air conditioning unit. P. Huttenmiller. 1,983,294; Dec. 4.
Air control register. J. H. Bailey. 1,983,015; Dec. 4.
Aircraft. E. A. Stalker. 1,982,968–9; Dec. 4.
Aircraft, Convertible. C. R. Harding. 1,983,171; Dec. 4.
Aircraft, Ground propulsion of. E. A. Stalker. 1,983,493; Dec. 4.
Aircraft landing gear holding device. F. W. Fink. 1,983,358; Dec. 4.
Air filter. C. Christofferson. 1,982,639; Dec. 4.
Airplane. J. H. Kindelberger. Des. 93,983; Dec. 4.
Alcohol free from fusel oil, Production of. A. Gorhan. 1,982,988; Dec. 4.
Alcoholic liquid mixtures, Production of water-free. A. Gorhan. 1,982,989; Dec. 4.
Alkali metal di-amyldithiocarbamates. J. F. Olin. 1,983,240; Dec. 4.
Alloy. J. H. Derby. 1,982,645; Dec. 4.
Alloy, Stainless copper base. R. A. Wilkins. 1,983,205; Dec. 4.
Alloys, Refining. A. M. Kuhlmann. 1,982,959; Dec. 4.
Alphabet for forming monograms or the like. M. Chernow. Des. 93,970; Dec. 4.
Amines, Preparing hydrogenated. O. Ernst and L. Mack. 1,982,985; Dec. 4.
Ammonia compounds, Production of. F. W. Sperr, jr. 1,983,320; Dec. 4.
Amplification system for glow relay devices. H. C. Rentschler and D. E. Henry. 1,982,829; Dec. 4.
Amplifier, High frequency. L. H Lynn. 1,983,380; Dec. 4.
Amplifying apparatus. A. D. Silva. 1,983,047; Dec. 4.
Anchor. J. Mortensen. 1,983,481; Dec. 4
Anchor. M. C. Post. 1,982,963; Dec. 4.
Animal trap. W. P. Howland. 1,982,870; Dec. 4.
Annuli, Casting metallic. N. F. S. Russell and F. C. Langenberg. 1,982,762; Dec. 4.
Anticarburizing compound. W. G. Wittman. 1,982,718; Dec. 4.
Antifriction bearing. O. Wilson. 1,982,893–4; Dec. 4.
Antiskid and jack mechanism for automobiles, Combination. C. F. Clausen. 1,982,792; Dec. 4.
Antislagging arrangement. W. H. Armacost. 1,983,333; Dec. 4.
Appendixes for monometallic balances, Manufacturing bimetallic. P. Ditisheim. 1,982,726; Dec. 4.
Arc-starting device for vapor discharge devices. K. E. Müller. 1,983,391; Dec. 4.
Arch support. E. E. Fuller. 1,982,911; Dec. 4.
Article of bonded granular material and making the same. W. L. Howe and R. H. Martin. 1,983,082; Dec. 4.
Articles, Dyeing. G. Lowenstein. 1,982,820; Dec. 4.
Artificial mass. C. Schönburg. 1,982,765; Dec. 4.
Arylamides, Fluorinated. E. F. Hitch, M. A. Dahlen, and M. E. Friedrich. 1,982,661; Dec. 4.
Asphalt, Making. E. B. McConnell. 1,982,920; Dec. 4.
Assembling machine. N. H. Knowlton. 1,982,744; Dec. 4.
Attachment plug receptacle. F. E. Johnson. 1,983,511; Dec. 4.
Automobile. J. C. Northup. Des. 93,995; Dec. 4.
Axle, Tubular. B. H. Urschel. 1,982,890; Dec. 4.
Azodyestuffs containing a pyrene nucleus. A. Bergdolt, G. Schrader and M. Corell. 1,982,977; Dec. 4.
Bag: *See*—
Bottle bag. Laundry bag.
Coffee bag. Sealed bag.
Bag filling and weighing machines, Mechanism for. W. D. Wright. 1,983,427; Dec. 4.
Bag for tire casings, Inflatable curing. L. A. Laursen. 1,982,673; Dec. 4.
Bag making machines, Attachment for paper. T. M. Royal. 1,982,697; Dec. 4.
Ball device, Practice golf. O. A. Hendersen. 1,982,808; Dec. 4.
Ball, Water. G. T. Hansen. 1,982,913; Dec. 4.
Bands, Fastening gelatinized. K. M. Henderson. 1,982,807; Dec. 4.
Bar: *See*—
Needle bar.
Basket, Work. E. G. Biberman. 1,983,116; Dec. 4.
Bast fibers, Purification of. F. H. Snyder. 1,983,008; Dec. 4.
Bath and service table, Combination. W. Derbyshire. 1,982,859; Dec. 4.
Battery cell, Interchangeable. A. D. Gerking. 1,982,801; Dec. 4.
Battery charge control system. C. C. Rose and J. Altmayer. 1,983,243; Dec. 4.
Battery packet, Dry. H. Koch. 1,983,037; Dec. 4.
Bearing: *See*—
Antifriction bearing. Roller bearing.
Bearing for drill cutters. L. E. Garfield. 1,983,283; Dec. 4.
Bearing lubrication. A. D. Walter. 1,982,937; Dec. 4.
Bearings and bearing materials, Making. C. F. Noftzger. 1,983,184; Dec. 4.
Bearings, Producing roller. J. P. Johnson. 1,983,134; Dec. 4.
Bed, Auto. R. Boyd. 1,983,119; Dec. 4.
Bedclothes holder. I. J. Matchett. 1,982,998; Dec. 4.
Bell, Electric. E. Cardone. 1,983,068; Dec. 4.
Belt and making it, Flexible. D. Heyer. 1,982,869; Dec. 4.
Blie acid amides and their preparation. A. Stoll and A. Binkert. 1,983,414; Dec. 4.
Bit: *See*—
Three-cone bit.
Blank stock. H. W. Lyons. 1,983,040; Dec. 4.
Blasting cap package and forming the same, Electric. D. M. McFarland. 1,983,141; Dec. 4.
Blower blade, Rotary. W. Van Rijswijk. 1,983,201; Dec. 4.
Boiler. H. C. Davis. 1,982,793; Dec. 4.
Boiler construction. R. J. Needham and H. C. Woodbridge. 1,983,182; Dec. 4.
Boilers System and apparatus for delivering feed water to steam. J. E. Holveck. 1,983,032; Dec. 4.
Bolted pipe joint. E. L. Hall. 1,983,228; Dec. 4.
Book cutting machine, Automatic. P. T. Pachter. 1,982,880; Dec. 4.
Bottle. E. W. Fuerst. Des. 93,974; Dec. 4.
Bottle. E. G. Westlake. Des. 94,008–11; Dec. 4.
Bottle bag. S. J. Thurmer. 1,983,418; Dec. 4.
Bottle sterilizing device. R. A. Mueller. 1,983,390; Dec. 4.
Bowl, Ice. R. Wright. Des. 94 012; Dec. 4.
Bowl, Sugar. C. L. Sebring. Des. 93,999; Dec. 4.
Box: *See*—
Mail box. Switch box.
Box. P. H. Ganz. Des. 93,975; Dec. 4.
Box. J. S. Stokes. 1,983,323; Dec. 4.
Box and hanger bar, Outlet. J. Knell. 1,982,957; Dec 4.
Box and ornamental strip therefor, Ornamental. A. C. Flinn. 1,982,952; Dec. 4.
Box for butter and other goods, Packing. O. U. B. J. Brunaa. 1,983 436; Dec. 4.
Bracket. J. J. Knape. 1,983,470; Dec. 4.
Braiding machine. A. Gamba. 1,983,222–4; Dec. 4.
Brake: *See*—
Magnetic duo-servo brake.
Brake. A. Y. Dodge. 1,982,798; Dec. 4.
Brake. R. S. Sanford. 1,982,832; Dec. 4.
Brake actuating lever. W. S. Saunders and T. A. McGregor. 1,983,192; Dec. 4.
Brake beam and making the same. N. H. Davis. 1,983 122; Dec. 4.
Brake drum. T. V. Buckwalter. 1,982,900; Dec. 4.
Brake for controlling unrolling of cloth. P. A. Dillingham. 1,983,440; Dec. 4.
Brake head and shoe, Railway. J. Murphy. 1,983,302; Dec. 4.
Brake housing and wheel, Combined. C. Sauzedde. 1,982,698; Dec. 4.
Brake lining, Making flexible molded. W. G. Kitchen. 1,983,464; Dec. 4.
Brake mechanism. V. W. Kliesrath. 1,982,816; Dec. 4.
Brake mechanism for trailers, Automatic. N. Lee. 1,983,474; Dec. 4.
Break-joint and electric-cord reel casing, Combined. L. Brodlow, W. Markoff, and J. Orosz. 1,982,854; Dec. 4.
Breathing apparatus. G. L. Lemoine. 1,983,475; Dec. 4.

Brick veneer. G. S. Benevento. 1,982,724; Dec. 4.
Bridge reminder. J. Y. Hamilton. Des. 93,980; Dec. 4.
Buffer mechanism for passenger cars. V. E. Sisson. 1,983,048; Dec. 4.
Building construction. J. C. De Vol. 1,983,020; Dec. 4.
Bumper. V. P. Williams. 1,982,775; Dec. 4.
Bundle binding and tying machine. J. M. Lenver, jr. 1,983,473; Dec. 4.
Burner: *See*—
Fuel burner.
Burner. G. Ruggiero. 1,983,244–5; Dec. 4.
Burner control, Gas. E. J. Brady and E. Hall. 1,983,213; Dec. 4.
Bushing insulator. A. O. Austin. 1,983,335; Dec. 4.
Bushing means. J. C. Daley and E. Goddard. 1,983,347; Dec. 4.
Cabinet, Sectional filing. W. F. Regenhardt. 1,983,307; Dec. 4.
Cabinet, Towel. E. A. Hamner. 1,983,289; Dec. 4.
Cable outlet. F. B Wiegand, B. J. Schwendt, and O. S. Flath. 1,982,716; Dec. 4.
Cable, Submarine. O. E. Buckley. 1,982,784; Dec. 4.
Calcium preparations, Manufacture of therapeutic. V. Christina. 1,983,344; Dec. 4.
Calk. G. Smith. 1,983,406; Dec. 4.
Can vacuumizing and closing machine. N. Troyer and P. E. Pearson. 1,983,253; Dec. 4.
Can vacuumizing and sealing machine. N. Troyer. 1,983,252; Dec. 4.
Car body made of sheet metal, Self-supporting. A. B. Henninger. 1,983,497; Dec. 4.
Car wheel, Mine. A. L. Lee. 1,983,177; Dec. 4.
Carbamates of the alkali-forming metals, Production of. R. B. MacMullin and W. K. McCready. 1,983,041; Dec. 4.
Carbide material, Hard cemented. G. J. Comstock. 1,982,857; Dec. 4.
Carbon holder. C. A. Fuchs and F. Spaloss. 1,983,282; Dec. 4.
Carburetor. W. E. Armstrong. 1,982,945; Dec. 4.
Carburetor. G. A. Wahlmark. 1,983,255; Dec. 4.
Card package. L. P. Clark. 1,982,640; Dec. 4.
Carriage, Convertible. C. O. Smith and D. I. Sweany. 1,982,834; Dec. 4.
Carrier conveyer system. D. E. Chambers. 1,983,342; Dec. 4.
Carton. F. R. Buhrmaster. 1,982,785; Dec. 4.
Carton. D. L. Crane. 1,982,981; Dec. 4.
Carton. R. H. Spees. 1,983,010; Dec. 4.
Case: *See*—
Medical case. Vanity case.
Case for a storage battery, Sprayed metal. J. L. Woodbridge. 1,983,507; Dec. 4.
Casing machine. G. D. Harris. 1,982,990; Dec. 4.
Casting machine. W. G. Newton. 1,983,303; Dec. 4.
Casting machine, Centrifugal. W. A. Geisler. 1,983,075; Dec. 4.
Casting machine for casting hollow metal bodies Centrifugal. C. D. Barr and S. D. Moxley. 1,983,431; Dec. 4.
Ceiling construction. F. M. Venzie. Des. 19,391; Dec. 4.
Cellulose derivative articles and preparing the same. H. Andersen. 1,982,778; Dec. 4.
Cellulosic material, Preservation of vegetable. C. H. Siever. 1,983,248; Dec. 4.
Cement for acid-proof brickwork. E. Lux. 1,983,498; Dec. 4.
Chair: *See*—
High chair. Rocking chair.
Road chair.
Chair. J. M. Brower. Des. 93,967; Dec. 4.
Charge forming device. W. S. Falconer. 1,983,357; Dec. 4.
Charge treating device for internal combustion engines. D. L. Covyeow. 1,983,268; Dec. 4.
Checkerwork. A. A. Claassen. Re19,388; Dec. 4.
Churn. A. A. Hill. 1,983,458; Dec. 4.
Chute, Mail. J. W. Cutler. 1,983,071; Dec. 4.
Cigarette case and match holder, Combination. W. Brunner and J. J. Mulkern. 1,982,855; Dec. 4.
Cigarette holder. J. E. Aster. 1,983,013; Dec. 4.
Circuit breaker, Electric. I. R. Sigman. 1,983,150; Dec. 4.
Circuit breaker, Thermally controlled. A. A. Durant. 1,982,984; Dec. 4.
Circuit for traffic controlling systems, Time element. J. E. Willing. 1,983,506; Dec. 4.
Circuit, Gas-filled tube. B. G. Bjornson. 1,982,782; Dec. 4.
Circuits, Mechanism for controlling electric. F. B. Little. 1,983,236; Dec. 4.
Circulating system. C. L. Martin. 1,983,043; Dec. 4.
Clamp: *See*—
Stamp retaining clamp. Textile clamp.
Clamping device. F. W. Sizer. 1,983,050; Dec. 4.
Cleaner: *See*—
Air cleaner. Suction cleaner.
Steel wool cleaner. Windshield cleaner.
Clock, Alarm. I. Florman. 1,983,448; Dec. 4.
Clock case and dial, Combined. J. Nickelsen. Des. 93,993; Dec. 4.
Clock, Electric. W. M. Brower. 1,983,162; Dec. 4.
Clock, Electric. W. P. London. 1,983,092; Dec. 4.
Clock, Schedule signal. J. L. Crozier. 1,982,982; Dec. 4.
Closure. M. A. Pixley. 1,983,098; Dec. 4.
Closure, Nonrefillable. J. P. Burke. 1,982,786; Dec. 4.
Cloth cutting machine. J. B. Gury, jr. 1,983,129; Dec. 4.
Cloth display stand. T. R. Chisolm. 1,983,167; Dec. 4.
Cloth, Method and apparatus for treating. H. A. Woodhead. 1,982,720; Dec. 4.
Clutch: *See*—
Reversible reactance clutch. Self-locking clutch.
Clutch control mechanism. V. W. Kliesrath. 1,982,815; Dec. 4.
Clutch mechanism for transmission. E. A. Thompson. 1,982,769; Dec. 4.
Clutch operating mechanism. E. J. Quinn. 1,982,925; Dec. 4.
Coating and the like artificial masses, Manufacture of. W. Pungs and K. Eisenmann. 1,982,881; Dec. 4.
Cobble removal from push benches. C. W. Littler. 1,982,677; Dec. 4.
Coffee bag. S. M. Moriya. 1,983,142; Dec. 4.
Coffee maker. A. M. Boever. 1,983,208; Dec. 4.
Coffee maker. F. E. Wolcott. 1,983,212; Dec. 4.
Coffee maker, Electric. F. E. Wolcott. 1,983,209–10; Dec. 4.
Coffee, Method and apparatus for roasting. L. S. Maede. Re19,390; Dec. 4.
Coffeepot. N. B. Wales. 1,982,846; Dec. 4.
Coil selecting and indicating means for short wave radio apparatus. J. Millen. 1,982,751; Dec. 4.
Coin control mechanism. T. S. Morrisey. 1,983,480; Dec. 4.
Coin controlled mechanism. F. C. Du Grenier. 1,983,073; Dec. 4.
Coldness and steam under pressure, Simultaneous generation of. E. Koenemann. 1,982,672; Dec. 4.
Collar band, Adjustable. W. Rublnstein. 1,983,309; Dec. 4.
Coloring agents for glass batches and employing same. A. Silverman. 1,983,151; Dec. 4.
Coloring matter derived from pyrazolones. R. B. Payne and K. F. Conrad. 1,983,045; Dec. 4.
Combination container. A. L. Behrens. 1,982,780; Dec. 4.
Combination tool. P. Ward. 1,983,256; Dec. 4.
Combustion arrangement for oil burners. F. L. Mikeska. 1,983,386; Dec. 4.
Combustion closet and flush tank. C. E. Turner, J. R. Beam, and W. K. McAfee. 1,983,419; Dec. 4.
Compass, Magnetic. C. L. Seward, jr. 1,983,103; Dec. 4.
Composition of matter adapted for cold molding, molded products produced therefrom and making same. C. A. Herbst and J. D. Endriz. 1,982,809; Dec. 4.
Computing machine. M. L. Zimmer. 1,982,722; Dec. 4.
Concrete and other substances, Mixing. H. O. Stamp. 1,983,197; Dec. 4.
Concrete, Acoustical. L. B. Eaton. 1,983,021; Dec. 4.
Concrete block machine. J. Erkman. 1,982,730; Dec. 4.
Condensation products from phenols and aldehydes, Preparation of resinous. M. Florenz. 1,982,651; Dec. 4.
Condensation products of carbohydrate derivatives. J. V. Meigs. 1,982,822; Dec. 4.
Condensation products of phenol-urea-formaldehyde, Manufacture of water soluble. F. Becherer. 1,982,619; Dec. 4.
Condenser: *See*—
Electrical condenser.
Condenser assembly. E. A. Leach 1,983,379; Dec. 4.
Conductor, Insulated electrical. O. Röhm and W. Bauer. 1,982,831; Dec. 4.
Conduit clamp for connecting boxes. W. Goetzelman. Re19,389; Dec. 4.
Connection box for card tabulators, Interchangeable. F. G. S. English. 1,983,354; Dec. 4.
Constant volume pump. P. L. Tollison. 1,982,770; Dec. 4.
Contact assembly. L. O. Parker. 1,983,095; Dec. 4.
Contact material. C. V. Iredell. 1,982,812; Dec. 4.
Container: *See*—
Combination container. Shipping container.
Invertible container. Storage battery container.
Lip stick container.
Container. J. J. Flanigan. 1,983,278; Dec. 4.
Container. S. W. Graves. 1,982,912; Dec. 4.
Container. C. F. McAleer. 1,982,962; Dec. 4.
Container. E. C. Werner and L. X. Burger. Des. 94,007; Dec. 4.
Container and closure therefor. S. P. Lovell. 1,983,139; Dec. 4.
Container for powder, Dispensing. H. C. Cole. 1,982,949; Dec. 4.
Container made of paper and producing it. M. E. Gazette. 1,983,361; Dec. 4.
Container or similar article, Perfume. J. S. Stein. Des. 94,001; Dec. 4.
Control device. D. A. Cameron. 1,983,165; Dec. 4.
Control for electric trains. D. H. Queeney. 1,982,692; Dec. 4.
Control for electrical devices. C. S. Ricker. 1,983,308; Dec. 4.
Control for machine tools. J. J. N. Hamersveld. 1,983,200; Dec. 4.
Control for stokers, Automatic. C. M. Terry. 1,983,416; Dec. 4.
Control means. H. P. Vaughan. 1,983,502; Dec. 4.
Control mechanism. R. K. Winning. 1,982,895; Dec. 4.
Control mechanism for vehicles. A. Welland. 1,983,259; Dec. 4.
Control system, Hydraulic. R. W. McLaughlin. 1,983,385; Dec. 4.

Conveyer. T. G. Nyborg. 1,983,484; Dec. 4.
Conveyer. D. J. Reed. 1,983,492; Dec. 4.
Conveyer mechanism. E. B. Kramer. 1,983,471; Dec. 4.
Conveying system for wood grinders. C. H. Burr. 1,982,901; Dec. 4.
Cooler: *See*—
Oil cooler.
Cooling apparatus. W. M. Morgan. 1,983,301; Dec. 4.
Cooling device. G. A. Gloor and M. Banke. 1,983,285; Dec. 4.
Copying machine. C. W. Jean. 1,983,133; Dec. 4.
Corrugated tube. M. Knab. 1,983,469; Dec. 4.
Counter display package. B. T. Hoffmaster. 1,982,663; Dec. 4.
Counter set-up rack. B. M. Oswell. 1,983,187; Dec. 4.
Coupler operating mechanism. E. P. Kinne. 1,983,136; Dec. 4.
Coupling: *See*—
Flexible coupling. Tube coupling.
Coupling device. F. K. Simons. 1,983,007; Dec. 4.
Coupling for trailers. J. A. Seitz. 1,983,317; Dec. 4.
Covering for X-ray apparatus. A. Ungelenk. 1,983,327; Dec. 4.
Coverings, Manufacture of surface. J. C. McCarthy. 1,983,180; Dec. 4.
Cream, Apparatus for making facial and massage. J. F. Simpson. 1,983,319; Dec. 4.
Cuff link. G. A. Laughton. 1,983,235; Dec. 4.
Cultivator. T. J. Erdman. 1,982,862; Dec. 4.
Cultivator shovel with sweep attachment. J. R. Kovar. 1,982,746; Dec. 4.
Culvert. R. T. Lane. 1,982,995; Dec. 4.
Cup or similar article. C. L. Sebring. Des. 94,000; Dec. 4.
Curl presser. N. L. Solomon. 1,982,767; Dec. 4.
Current amplifying system. J. G. Aceves. 1,982,777; Dec. 4.
Current transmission system, Alternating. C. G. Koppitz. 1,982,875; Dec. 4.
Cushion stop for shears. W. M. Albright. 1,982,942; Dec. 4.
Cut-off device, Automatic. J. L. Breese, jr. 1,983,340; Dec. 4.
Cut-outs, Device for forming. A. W. Altvater. 1,982,943; Dec. 4.
Decorative device for cakes or the like. H. G. Bantleon and C. A. Schubert. 1,982,723; Dec. 4.
Decorticating and defiberating machine. J. E. Haynes. 1,983,454; Dec. 4.
Desuperheater. V. Voorhees. 1,983,422; Dec. 4.
Diazolmino compound produced from heterocyclic imines. E. A. Markush. 1,982,681; Dec. 4.
Disk harrow. S. S. Furrer. 1,982,951; Dec. 4.
Disk orifice valve, Rotary. B. L. Peterson. 1,982,754; Dec. 4.
Disk sander. A. N. Emmons. 1,983,277; Dec. 4.
Dispensing apparatus. C. R. Lothrop and O. Cammann. 1,982,917; Dec. 4.
Dispensing apparatus. H. J. McCue. 1,982,750; Dec. 4.
Displacement pump. H. Hillier and J. C. and W. A. Macfarlane. 1,983,229; Dec. 4.
Display box. S. F. Bowser. Des. 93,965; Dec. 4.
Display receptacle. J. Klomparens. 1,983,176; Dec. 4.
Distance finding, Method and apparatus for. E. E. Turner, jr. 1,983,254; Dec. 4.
Distributor member. E. A. Turner. 1,983,057; Dec. 4.
Doffing mechanism for flyer spinning, doubling, twisting, and like machines. M. J. A. Paul. 1,983,000; Dec. 4.
Dog starting apparatus. T. A. Keen. 1,983,376; Dec. 4.
Door, Railway car hopper. V. E. Sisson. 1,983,049; Dec. 4.
Door, Revolving. W. S. Ely and E. Peremi. 1,983,353; Dec. 4.
Door, Revolving. E. Peremi and C. Kish. 1,983,395–6; Dec. 4.
Doweling machine. A. R. Welch. 1,982,713; Dec. 4.
Draft rigging. D. C. Davis. 1,982,858; Dec. 4.
Drawing implement. R. S. Grant. Des. 93,979; Dec. 4.
Dress. S. Borger. Des. 93,963; Dec. 4.
Drill steel puller. L. T. Stampfli and S. Chiritescu. 1,982,835; Dec. 4.
Drilling machine. G. H. Gilman. 1,982,656; Dec. 4.
Drilling structure and circulating pump. S. H. Grinnell and A. C. Rubel. 1,983,287; Dec. 4.
Drive arrangement for twisting machines with spindles arranged on both sides. W. Lenk. 1,983,038; Dec. 4.
Drive coupling for fluid pumps. W. H. Tabor. 1,982,971; Dec. 4.
Drive for motor vehicles, Flexible four wheel. R. Whitford. 1,983,203; Dec. 4.
Drive, Press roll. J. J. Farrell. 1,983,126; Dec. 4.
Drive, Variable speed. C. E. Ives. 1,983,132; Dec. 4.
Driving apparatus for sound films. F. Ehrenhaft. 1,983,276; Dec. 4.
Driving-locking-releasing means. G. E. Swartz. 1,982,886; Dec. 4.
Duplicating system for the purpose of supervising electrical distributing systems, Luminous. M. Schleicher. 1,983,311; Dec. 4.
Dustpan. T. N. Badger. 1,982,849; Dec. 4.
Earphone. S. F. Lybarger. 1,983,178; Dec. 4.
Edge burnishing machine. F. B. Keall and C. T. Jones. 1,982,740; Dec. 4.
Egg box filler and carton. N. A. Petter. 1,983,306; Dec. 4.
Egg candling device. G. H. Siegal. 1,983,104; Dec. 4.
Eggs during the incubation of the same, Turning. M. W. Olsen and H. T. Baker. 1,982,827; Dec. 4.
Eggs, Method of and apparatus for hatching. L. C. Sturgis. 1,983,055; Dec. 4.
Ejector for the contents of collapsible tubes. S. G. Johnson. 1,983,462; Dec. 4.
Electric arc and producing same. C. S. Ashcraft. 1,983,430; Dec. 4.
Electric incandescent lamp. W. J. Geiger and A. T. Gaskill. 1,983,362; Dec. 4.
Electric outlet. H. H. Wermine. 1,983,157; Dec. 4.
Electric plug. M. A. Rollman. 1,982,758; Dec. 4.
Electric switch. A. Y. Dodge. 1,983,124; Dec. 4.
Electric switch, Thermostatically operated. G. W. Hart. 1,982,955; Dec. 4.
Electrical condenser. S. S. Cramer and E. D. Koepping. 1,983,121; Dec. 4.
Electrical conductive element and manufacture. T. C. Browne and E. Brugmann. 1,983,267; Dec. 4.
Electrical measuring device. E. H. Schreiber. 1,982,766; Dec. 4.
Electrically conducting parts, Device for testing and sorting of. A. J. Moore. 1,983,388; Dec. 4.
Electrode and manufacture. C. P. Marsden and C. M. Wheeler. 1,982,821; Dec. 4.
Electrodynamic machine. E. P. Larsh. 1,983,091; Dec. 4.
Electrolyzers, Arrangement in multicell. L. Lacher and H. Niederreither. 1,983,296; Dec. 4.
Electromagnetic device. W. M. Hill. 1,982,811; Dec. 4.
Emulsion and making the same, Photographic. E. Govett. 1,982,802; Dec. 4.
Enamel, Nonyellowing baking. H. H. Hopkins and F. S. Stewart. 1,983,460; Dec. 4.
Engine: *See*—
Internal combustion engine.
Envelope. M. Reiner. 1,983,400; Dec. 4.
Esters of thiophosphoric acid, Organic. E. Clemmensen. 1,982,703; Dec. 4.
Exerciser. H. F. Husted. 1,982,872; Dec. 4.
Explosion chambers, Apparatus for charging. H. Holzwarth. 1,982,666; Dec. 4.
Extension handle. J. L. Bennett. 1,982,620; Dec. 4.
Extractor: *See*—
Fruit juice extractor.
Fabric and the resulting fabric, Knitting runproof or run-resistant knitted. H. V. W. Scott. 1,983,148; Dec. 4.
Fabric, Knitting. A. Friedmann. 1,982,800; Dec. 4.
Fabrics and articles, such as stockings, and making the same, Runproof knitted. G. Gastrich. 1,983,128; Dec. 4.
Fastener: *See*—
Tag and tag fastener. Tape fastener.
Fastener. R. T. Dawes. 1,982,906; Dec. 4.
Fastener and making same, Slide. L. Cox. 1,983,070; Dec. 4.
Fastening device for straps and the like. J. W. May. 1,983,383; Dec. 4.
Fatty materials, Stabilizing the flavor and odor of. E. W. Eckey. 1,982,907; Dec. 4.
Feeder: *See*—
Glass feeder.
Feeding mechanism. J. M. Clark. 1,982,902; Dec. 4.
Figure for exemplifying the golf swing, Mechanical. J. D. Wallace and C. H. Landis. 1,983,329; Dec. 4.
Filamentary material Device for twisting textile. S. Spagnolo. 1,983,413; Dec. 4.
Filaments, threads, films, or the like. S. A. Welch. 1,983,330; Dec. 4.
Film moving mechanism. M. Merta. 1,982,921; Dec. 4.
Filter: *See*—
Air filter.
Filter screen. V. C. Norquist. 1,982,924; Dec. 4.
Filtering material for revivification, Preparing used. A. E. Pew, jr., and L. A. Tarbox. 1,982,828; Dec. 4.
Finger ring. R. T. Dieges. 1,983,348; Dec. 4.
Fire alarm and extinguisher. S. B. Forman. 1,982,653; Dec. 4.
Fire escape. E. Gross. 1,982,865; Dec. 4.
Fireplace form and damper construction, Combined. E. H. Richardson. 1,983,003; Dec. 4.
Fire screen unit for volatile liquid storage receptacle. J. J. Tokheim. 1,983,417; Dec. 4.
Fissure detector for rails. H. C. Drake. 1,983,442; Dec. 4.
Fitting for strain insulators. W. A. Hillebrand and A. M. Morris. 1,983,369; Dec. 4.
Fittings, Making metal. R. H. Banks. 1,982,850; Dec. 4.
Flexible coupling. G. J. Neher. 1,983,094; Dec. 4.
Flight indicator. P. R. Bassett and E. A. Sperry, jr. 1,982,851; Dec. 4.
Flight recorder for aircraft. T. R. Rhodes. 1,982,882; Dec. 4.
Float valve. F. L. Tarleton. 1,982,705; Dec. 4.
Float valve, Quick action. J. G. Ambroz and L. L. Fish. 1,983,061; Dec. 4.
Floor construction. J. G. Shryock. 1,983,410; Dec. 4.
Floor plate. E. E. Moore. Des. 93,991–2; Dec. 4.
Floor polishing device. J. Glover. 1,983,363; Dec. 4.
Fluid meter. H. J. Keitel. 1,983,231; Dec. 4.
Fluid pressure system. E. W. Anger. 1,982,622; Dec. 4.
Fluid pump. J. T. Hume. 1,983,131; Dec. 4.
Fluid valve. L. de Florez. 1,982,644; Dec. 4.

Fluoroscopic screen holder. J. J. Grobe. 1,982,954; Dec. 4.
Fly. I. I. Levine. 1,982,996; Dec. 4.
Fly paper package. G. T. Tongue. 1,983,251; Dec. 4.
Flywheel, Rubber mounted. W. R. Griswold. 1,982,658; Dec. 4.
Foam by mechanical means. Apparatus for production of. E. Schrøder and J. A. S. van Deurs. 1,982,884; Dec. 4.
Folding machine. H. L. Wood. 1,982,848; Dec. 4.
Folding rack. A. van Roosendael. 1,982,972; Dec. 4.
Fork, Egg. J. C. Butner. 1,983,067; Dec. 4.
Fork, Turf. E. Leeberg. 1,982,749; Dec. 4.
Former for printing machines. W. J. Strain. 1,982,703; Dec. 4.
Fractionation, Process and apparatus for. J. F. Walt. 1,983,058; Dec. 4.
Frame: *See*—
Spinning frame.
Frequency meter. R. F. Field. 1,983,447; Dec. 4.
Fruit juice extractor. E. T. Keenan. 1,982,741–2; Dec. 4.
Fruit, Method of and apparatus for cleaning. A. O. Moe. 1,983,478; Dec. 4.
Fruits and vegetables, Method and apparatus for treating. J. V. Rogers. 1,983,403; Dec. 4.
Fuel burner, Solid. E. Zimmerman. 1,983,059; Dec. 4.
Fuels and product derived therefrom or other materials into valuable liquids, Conversion of solid. C. Krauch and M. Pier. 1,983,234; Dec. 4.
Furnace: *See*—
Induction furnace.
Furnace wall. E. G. Bailey. 1,982,623; Dec. 4.
Fuse, Plug. J. G. Riesman. 1,982,693; Dec. 4.
Game. P. D. Brown. 1,982,633; Dec. 4.
Game. M. D. Maynard. 1,983,044; Dec. 4.
Garment. R. M. Graves. 1,982,657; Dec. 4.
Gas purification. D. L. Jacobson. 1,983,375; Dec. 4.
Gas treatment. G. A. Bragg. 1,983,338; Dec. 4.
Gas, Treatment of. E. V. Harlow. 1,983,366; Dec. 4.
Gasket. C. G. A. Rosén. 1,982,759; Dec. 4.
Gauge: *See*—
Pipe thread gauge. Tank gauge.
Gear cutting machine and method. A. L. De Leeuw. 1,983,019; Dec. 4.
Gearing. R. Stevenson. 1,982,768; Dec. 4.
Gearing, Change speed. A. Alitree. 1,982,976; Dec. 4.
Geophysical measurements, Apparatus for making. F. J. G. Neumann and W. R. Haubold. 1,983,483; Dec. 4.
Gin ribs, Making. O. Mitchell. 1,983,300; Dec. 4.
Glass, Apparatus for sealing laminated. G. B. Watkins and R. W. Wampler. 1,983,156; Dec. 4.
Glass feeder. J. W. Ross. 1,982,761; Dec. 4.
Glass, Producing laminated. G. B. Watkins. 1,982,712; Dec. 4.
Glass sheets, Apparatus for use in the packing of. A. Angelo. 1,982,621; Dec. 4.
Glass, Ultra violet ray transmitting. K. Fuwa and F. Suzuki. 1,983,359; Dec. 4.
Glider, Health. E. V. Traver. 1,982,843; Dec. 4.
Golf club. R. H. Cowdery. 1,983,069; Dec. 4.
Golf club. W. C. Spiker. 1,983,196; Dec. 4.
Golf club shafts, Making. G. B. Durell. 1,983,074; Dec. 4.
Grapple, Salvaging. C. Byler. 1,983,215; Dec. 4.
Grappling device. E. H. Spiegl. 1,983,053; Dec. 4.
Grappling tool. L. E. Willis. 1,983,425; Dec. 4.
Grate, Fluid cooled. E. O. Marty. 1,982,918; Dec. 4.
Grease, Lime soap. W. D. Hodson. 1,982,662; Dec. 4.
Grill, Electric. J. R. Burch. 1,982,947; Dec. 4.
Grip attachment for fuse clips. S. W. Fries and E. E. Malott. 1,983,281; Dec. 4.
Grounding protection system for high voltage systems. J. Jonas. 1,983,085; Dec. 4.
Guard pad, Toilet seat. C. D. Morton. 1,982,922; Dec. 4.
Gun fitting, Push on and pull off grease. M. B. Linton. 1,982,678; Dec. 4.
Gun, Hand blower dust. J. A. Chater, J. B. Cary, and J. E. Hollinger. 1,982,638; Dec. 4.
Gun, Machine. C. E. Simpson. 1,982,699; Dec. 4.
Gyro pilot for aircraft. E. A. Sperry, jr. 1,982,702; Dec. 4.
Gyroscope, Air driven. B. G. Carlson and H. H. Thompson. 1,982,635; Dec. 4.
Gyroscope, Directional. B. G. Carlson. 1,982,637; Dec. 4.
Gyro vertical, Air driven. B. G. Carlson. 1,982,636; Dec. 4.
Hair clipping attachment, Automatic. D. W. Buller. 1,982,979; Dec. 4.
Hair waver. F. Binder. 1,982,948; Dec. 4.
Hair-waving apparatus. H. Meier and E. Gründmann. 1,982,684; Dec. 4.
Hair waving or curling rod. V. N. Nicosia. 1,983,144; Dec. 4.
Handwheel. C. R. Crane, 2d. Des. 93,972; Dec. 4.
Handle: *See*—
Extension handle. Mop handle.
Handles, Manufacturing brush. R. Izawa. 1,983,035; Dec. 4.
Harrow. R. C. Nesbit. 1,983,143; Dec. 4.
Head and shaft assembly for golf clubs. L. A. Young. 1,983,158; Dec. 4.
Heat energy, Transforming. E. Goenemann. 1,983,745; Dec. 4.
Heat motor. R. M. Schultz. 1,983,314; Dec. 4.
Heat radiating unit. W. C. Carr. 1,983,437; Dec. 4.
Heat treatment of petroleum oil vapor and other hydrocarbonaceous starting material. I. W. Henry. 1,983,027; Dec. 4.
Heater: *See*—
Water heater. Windshield heater.
Heater and control mechanism therefor, Unit. R. H. Nelson. 1,982,686; Dec. 4.
Heating system. C. A. Dunham. 1,983,218; Dec. 4.
Hides, Setting. J. D. Quick and G. F. Mack. 1,983,001; Dec. 4.
High chair. E. A. Lehman. 1,983,138; Dec. 4.
Hinge: *See*—
Adjustable hinge.
Holder: *See*—
Bed clothes holder. Cigarette holder.
Carbon holder. Fluoroscopic holder.
Holster or similar article, Boy's. H. Iskin. Des. 93,981; Dec. 4.
Home seaming machine. A. G. Hopkins. 1,983,081; Dec. 4.
Honing device for cylinders. J. Sunnen. 1,982,836; Dec. 4.
Hopper magazine feed device. H. W. Rupple. 1,982,964; Dec. 4.
Hurdle. R. E. Squire. 1,982,934; Dec. 4.
Hydraulic system, Combined rapid traverse and slow traverse. H. F. Vickers. 1,982,711; Dec. 4.
Hydrocarbon products, Production of liquid. M. Pier and E. Donath. 1,983,241; Dec. 4.
Hydrocarbons, Apparatus for destructive distillation of. B. Q. P. Foss. 1,982,863; Dec. 4.
Hydrocarbons, Thermally decomposing. C. J. Strosacker and H. S. Kendall. 1,983,415; Dec. 4.
Hygrometer. H. Y. Norwood and E. E. Newell. 1,982,752; Dec. 4.
Ice in connection with air conditioning, Use of. L. D. Harnett. 1,983,080; Dec. 4.
Ice, Making. W. H. Taylor. 1,982,842; Dec. 4.
Ignition apparatus. C. H. Davis, jr. 1,983,072; Dec. 4.
Ignition system of an operating internal combustion engine, Apparatus for and testing the condition of the high-tension. W. E. Brown and L. S. Brach. 1,983,341; Dec. 4.
Image-plate holding chamber for image-measuring devices. O. von Gruber and F. Pfeiffer. 1,983,328; Dec. 4.
Indicator: *See*—
Flight indicator.
Induction furnace. W. Rohn. 1,983,242; Dec. 4.
Ingots, Casting. N. F. S. Russell and F. C. Langenberg. 1,982,763; Dec. 4.
Injector. J. F. Griffin. 1,983,365; Dec. 4.
Ink fountain for printing presses. O. R. Wolf. 1,983,115; Dec. 4.
Inking mechanism. C. J. Richter. 1,982,830; Dec. 4.
Insect destroyer. W. M. Whitaker. 1,983,423; Dec. 4.
Insecticide composition and its application. W. P. Flint and G. L. Hockenyos. 1,982,909; Dec. 4.
Instrument panel. M. J. Johnson. Des. 93,982; Dec. 4.
Insulation material. R. H. Harrington. 1,983,367; Dec. 4.
Insulator and cathode embodying the same. S. H. Stupakoff. 1,982,885; Dec. 4.
Insulator, Bushing. W. A. Hillebrand. 1,983,370; Dec. 4.
Insulator caps, Forming. A. O. Austin. 1,983,334; Dec. 4.
Internal-combustion engine. H. C. Edwards. 1,983,351; Dec. 4.
Internal combustion engine. D. Gregg. 1,983,225; Dec. 4.
Internal combustion engine. R. A. Midgley. 1,983,237; Dec. 4.
Internal combustion engine. L. M. Woolson. 1,982,721; Dec. 4.
Internal combustion engine, Two-stroke self-igniting. W. Steiger. 1,983,198; Dec. 4.
Invertible container. W. W. Bissell. 1,982,814; Dec. 4.
Jack: *See*—
Lifting jack.
Jar. O. C. Noble. Des. 93,994; Dec. 4.
Jet closet. R. M. Russell. 1,983,404; Dec. 4.
Joint: *See*—
Bolted pipe joint. Safety joint.
Journal. C. E. Hermann. 1,983,120; Dec. 4.
Journal box hub liner. J. Kiely. 1,982,671; Dec. 4.
Keyboard mechanism. C. H. Sampson. 1,983,099; Dec. 4.
Keyboard operated machine. A. Thomas and R. C. E. Blamey. 1,983,154; Dec. 4.
Kiln, Dry. J. F. Cobb. 1,982,980; Dec. 4.
Knitting machine, Full fashioned. K. Howie and C. C. Krieble. 1,982,991; Dec. 4.
Lamp: *See*—
Electric incandescent lamp.
Lamp or the like, Electric. A. J. W. Bouwens. Des. 93,964; Dec. 4.
Laundry bag. E. C. Gwaltney. 1,983,451–2; Dec. 4.
License plate lock, Motor vehicle. R. W. Stewart. 1,983,105; Dec. 4.
Lid, Adjustable fruit box. H. W. Foley. 1,982,652; Dec. 4.
Lifter for hot dishes. H. J. Criner. 1,983,168; Dec. 4.
Lifting jack. J. Curok. 1,982,642; Dec. 4.
Light control, Gas pilot. E. L. Hall, J. A. Perry, and E. J. Brady. 1,983,227; Dec. 4.
Liner and making it, Bag or container. W. W. Rowe 1,982,929; Dec. 4.
Lip stick container. E. S. Irelan. 1,983,083; Dec. 4.
Liquid and air heating apparatus. E. H. McCathron. 1,983,140; Dec. 4.
Liquid projecting device. C. E. Howett. 1,983,461; Dec. 4.

Liquids, Apparatus for preserving and dispensing. C. F. MacGill. 1,983,381; Dec. 4.
Loading equipment. H. L. Williams. 1,983,113–14; Dec. 4.
Lock: *See*—
License plate lock. Rotary bolt lock.
Lock. E. N. Jacobi. 1,982,813; Dec. 4.
Lock. E. N. Jacobi. 1,982,956; Dec. 4.
Lock replacer, Split. J. Sunnen. 1,982,837; Dec. 4.
Locomotive tender. E. Lippert. 1,982,819; Dec. 4.
Lubricator. A. E. Westburgh. 1,983,504; Dec. 4.
Machine for boring and plugging holes in wood. G. Maurer. 1,983,179; Dec. 4.
Machine for making articles of pulp. G. W. Swift, jr. 1,983,324; Dec. 4.
Machine for molding floor slabs. F. M. Venzie. 1,982,891; Dec. 4.
Machine for treating corn stalks. O. O. Mann and J. W. Chenoweth. 1,982,680; Dec. 4.
Machine for universally milling, grinding, and drilling workpieces of all kinds. R. Kölsch. 1,983,090; Dec. 4.
Machines, Apparatus for cleaning. W. W. Linder. 1,982,997; Dec. 4.
Machines for cutting screw threads, Apparatus for compensating for play in. H. Godzlewski. 1,983,286; Dec. 4.
Magazine for shuttle changing looms. L. S. Vose. 1,982,772; Dec. 4.
Magnetic core material. W. J. Polydoroff. 1,982,689; Dec. 4.
Magnetic duo-servo brake. V. G. Apple. 1,983,332; Dec. 4.
Magnetic material. C. N. Hickman. 1,982,810; Dec. 4.
Mail box. G. B. Nelson. 1,982,923; Dec. 4.
Manifold construction, Dual. G. A. Barker. 1,982,625; Dec. 4.
Manifolding device for typewriters. F. E. and W. C. Pfeiffer. 1,983,097; Dec. 4.
Marble package. M. Rosenthal. 1,983,499; Dec. 4.
Marker, Road. W. H. Searight. 1,983,102; Dec. 4.
Materials, Apparatus for washing or treating. W. F. Traudt. 1,983,155; Dec. 4.
Materials, Process and mechanism for separating intermixed divided. R. Peale and K. Davis. 1,983,487; Dec. 4.
Matrix magazine for typographical machines. R. E. Sylte. 1,983,501; Dec. 4.
Mattress tufting apparatus. J. F. Gail. 1,983,169; Dec. 4.
Measure, Liquid. R. B. Munday. 1,983,239; Dec. 4.
Measuring instrument. J. G. Paulin. 1,983,305; Dec. 4.
Measuring instrument. J. G. Paulin. 1,983,486; Dec. 4.
Measuring mechanism, Automatic. J. M. Montgomery. 1,983,093; Dec. 4.
Mechanism for controlling the movements of a head or carriage of a machine tool. F. E. Cardullo. 1,982,856; Dec. 4.
Medical apparatus. W. F. Hudgings. 1,983,293; Dec. 4.
Medical case. R. E. Polhemus. 1,983,491; Dec. 4.
Metal in a threading operation, Apparatus for removing. F. Judge. 1,982,737; Dec. 4.
Metal, Working. F. Mohler. 1,983,387; Dec. 4.
Meter: *See*—
Fluid meter. Frequency meter.
Milk, Making acidophilus. J. H. Kellogg. 1,982,994; Dec. 4.
Milling process. T. Earle. 1,983,273; Dec. 4.
Mirror. F. Winkler, E. Hochheim, and F. Bergmann. 1,982,774; Dec. 4.
Mixer: *See*—
Truck mixer.
Mixing machine. L. E. Werner. 1,982,847; Dec. 4.
Modulating system. R. M. Heintz. 1,983,172; Dec. 4.
Molasses, Manufacture of powdered. T. Black and J. Drew. 1,983,434; Dec. 4.
Mold: *See*—
Ingot mold. Stripping mold.
Mold for casting of pipes of cementitious material. E. H. Bishop. 1,983,117; Dec. 4.
Mold for manufacturing ornaments. B. Mechlovits. 1,982,877; Dec. 4.
Molding composition, Hot. O. A. Cherry. 1,982,787; Dec. 4.
Mop handle. G. K. Forbes and F. A. Speik. 1,982,910; Dec. 4.
Moth exterminator. G. G. Terris. Des. 94,005; Dec. 4.
Motive forces on aircraft by the explosion of inflammable mixtures of substances, Producing. P. Schmidt. 1,983,405; Dec. 4.
Motor: *See*—
Heat motor. Synchronous motor.
Steam or fluid motor.
Motor and compressor, Combined. C. Zorzi. 1,983,260; Dec. 4.
Motor and compressor, Combined. C. Zorzi. 1,983,262; Dec. 4.
Motor mechanism, Electric. R. C. Shermund. 1,983,149; Dec. 4.
Mounting for oil burners. C. E. Shields. 1,983,318; Dec. 4.
Mounting for reamer cutters. F. L. Scott. 1,983,315; Dec. 4.
Mounting, Motor. H. Massé. 1,982,682; Dec. 4.
Mounting, Ophthalmic. W. S. Searles. 1,983,500; Dec. 4.
Mouth spreader or pocket structure. M. H. Wagman. 1,982,845; Dec. 4.
Muffler. J. Olson. 1,983,304; Dec. 4.
Multipole switch. R. D. Amsden. 1,983,331; Dec. 4.
Naphthalene, Polymerization of vinyl. W. E. Lawson. 1,982,676; Dec. 4.
Navigation. E. H. Hansen. 1,983,079; Dec. 4.
Needle bar, Flat knitting machine. K. W. Lieberknecht. 1,982,818; Dec. 4.
Newspaper vendor. J. G. Miller. 1,982,999; Dec. 4.
Nozzle for liquid fuel burners. W. A. Hubbard. 1,982,871; Dec. 4.
Numbering machine. P. Aitchison. 1,983,012; Dec. 4.
Nut shelling machine. D. L. Dowling. 1,983,441; Dec. 4.
Oil cooler. J. E. Kline. 1,983,466; Dec. 4.
Oil cracking apparatus. I. W. Henry. 1,983,028; Dec. 4.
Oil heating apparatus. I. W. Henry. 1,983,029; Dec. 4.
Oils, Purifying used mineral lubricating. F. J. F. Karthaus. 1,982,992; Dec. 4.
Opener, Package. F. B. Wendel. 1,982,973; Dec. 4.
Operating means for locking jaws. E. F. Hathorn. 1,982,914; Dec. 4.
Operating mechanism for clutches and the like. E. J. Quinn. 1,982,926; Dec. 4.
Optical device. W. Fletcher. 1,982,650; Dec. 4.
Optical device. P. Schlumbohm. 1,983,312; Dec. 4.
Ore leaching. T. Earle. 1,983,274; Dec. 4.
Ore separator. G. Hering. 1,983,457; Dec. 4.
Ores, Treatment of beryllium-bearing. C. James. 1,982,873; Dec. 4.
Oven. J. E. Warrick. 1,983,110; Dec. 4.
Packing, Shaft. R. Nilsson. 1,983,392; Dec. 4.
Packless valve. C. M. Sundstrom. 1,983,106; Dec. 4.
Pad: *See*—
Guard pad.
Paint, Antirust. H. Schladebach and H. Hähle. 1,983,006; Dec. 4.
Paint-mixing machine. G. A. Bush. 1,983,104; Dec. 4.
Paper, Positive sensitized. S. Sakurai. 1,983,005; Dec. 4.
Pattern grading machine. G. F. Ryan. 1,982,764; Dec. 4.
Pavement grid and making the same, Sheet metal. G. M. Smith. 1,983,412; Dec. 4.
Peeler, Fruit and vegetable. A. R. Thompson. 1,982,709; Dec. 4.
Pencil. E. Turnberger. 1,982,889; Dec. 4.
Pencil, Trick. S. A. Graves. 1,982,734; Dec. 4.
Percussive tool. W. A. Smith, jr. 1,982,701; Dec. 4.
Percussive tool valve. W. A. Smith, jr. and H. J. Schorle. 1,982,700; Dec. 4.
Performance gauging means for prime movers. J. C. Groff. 1,982,659; Dec. 4.
Petroleum oil distillates, Refining. J. D. Fields. 1,983,220; Dec. 4.
Phonograph. L. L. Jones. 1,983,087; Dec. 4.
Phonograph. J. M. Lucarelle and J. E. Renholdt. 1,983,039; Dec. 4.
Phonograph, Miniature. L. J. Grubman. 1,983,078; Dec. 4.
Phonographic apparatus. L. T. Sachtleben. 1,983,310; Dec. 4.
Phosphates, Treatment of crude. A. Foss. 1,983,024; Dec. 4.
Photoflash device. J. Ostermeier. 1,983,394; Dec. 4.
Piccolo. N. I. Hall. 1,983,288; Dec. 4.
Picture apparatus, Motion. W. Kaden and F. Stiefenhofer. 1,982,739; Dec. 4.
Pictures in natural colors, Production of motion. I. P. Rodman. 1,983,402; Dec. 4.
Pile. J. J. O'Brien. 1,982,687; Dec. 4.
Pin: *See*—
Safety pin.
Pipe: *See*—
Tobacco pipe.
Pipe. E. M. Bergstrom and W. P. Digby. 1,982,852; Dec. 4.
Pipe. J. B. Kerr. 1,983,135; Dec. 4.
Pipe coupler, Train. F. W. Dearborn. 1,982,643; Dec. 4.
Pipe thread gauge. H. W. Fletcher. 1,983,279; Dec. 4.
Piston strut. S. D. Hartog. 1,983,290; Dec. 4.
Pistons, Expanding means for. R. R. Tector. 1,982,706; Dec. 4.
Plaster, Acoustical. L. B. Eaton. 1,983,022; Dec. 4.
Plaster board or like building construction. F. M. Venzie. 1,982,892; Dec. 4.
Plate glass surfacing table. J. Soderberg. 1,983,009; Dec. 4.
Plates, Apparatus for handling. H. E. McCrery. 1,982,876; Dec. 4.
Pliers, Electric bulb. C. G. Smith. 1,983,411; Dec. 4.
Plug: *See*—
Electric plug. Spark plug.
Pocketbook. M. Berkowitz. 1,983,266; Dec. 4.
Pocketbook, Fitted. F. N. Lewis. Des. 93,985; Dec. 4.
Polishing apparatus. J. L. Drake. 1,982,648; Dec. 4.
Portfolio. A. Kaufmann. 1,983,036; Dec. 4.
Pothead. A. O. Austin. 1,983,336; Dec. 4.
Power dumping mechanism, Hydraulic. R. E. Smith. 1,983,051; Dec. 4.
Power unit. R. Hoe. 1,983,292; Dec. 4.
Press. F. A. Heidenfelder. 1,983,455–6; Dec. 4.
Pressure circulator and scalder. A. Jensen. 1,983,173; Dec. 4.
Pressure release valve. R. I. Bates. 1,983,064; Dec. 4.
Priming mechanism for portable pumps. M. Tamini. 1,982,841; Dec. 4.
Printer's blanket and making. T. T. Ellis. 1,983,352; Dec. 4.

Printing element and making same. B. L. Sites. 1,982,967; Dec. 4.
Printing plate clamp operating means. O. C. Roesen. 1,982,757; Dec. 4.
Prize ticket for animal racing. T. W. Rowland. 1,983,004; Dec. 4.
Produce such as lettuce, Handling. E. H. Spiegl. 1,983,052; Dec. 4.
Protective system for electrical circuits. R. R. Pittman. 1,983,188; Dec. 4.
Protector: *See*—
Table and shelf protector.
Puller: *See*—
Drill steel puller.
Pump: *See*—
Constant volume pump. Vehicle pump.
Displacement pump. Well pump.
Fluid pump.
Pump. W. A. Tanner. 1,982,887; Dec. 4.
Pump and jack, Pneumatic. W. A. Dry. 1,983,444; Dec. 4.
Pump, compressor, engine and the like, Rotary. M. R. Hutchison, jr. 1,983,034; Dec. 4.
Pump, compressor, or the like, Rotary. M. R. Hutchison, jr. 1,983,033; Dec. 4.
Pump for use in wells. J. Penrod. 1,983,490; Dec. 4.
Pump or compressor. C. Zorzi. 1,983,261; Dec. 4.
Pumping device. F. G. Schweisthal. 1,982,966; Dec. 4.
Pumping unit. D. L. Caldwell. 1,982,634; Dec. 4.
Purse, Lady's. G. J. Lynn. Des. 93,987; Dec. 4.
Pusher rod, Self-adjusting. O. F. Fredrickson. 1,983,127; Dec. 4.
Putty guard and window pane holder. J. Sakowski. 1,983,246; Dec. 4.
Rack: *See*—
Counter set-up rack. Folding rack.
Radiator cleaning apparatus. B. Janus. 1,983,084; Dec. 4.
Radiator core. H. E. Schank and P. R. Seemiller. 1,982,931; Dec. 4.
Radiator grille, Parallel-blade. L. B. Green. 1,982,953; Dec. 4.
Radiator, Humidifying. J. L. Cable. 1,983,120; Dec. 4.
Radiator, Portable. G. W. Whitehurst. 1,983,111; Dec. 4.
Radio circuit, Selective. W. J. Polydoroff. 1,982,690; Dec. 4.
Radio direction finder. L. L. Kaess. 1,983,230; Dec. 4.
Radio reception. W. J. Schnell. 1,982,965; Dec. 4.
Radio signaling system. A. Blondel. 1,983,435; Dec. 4.
Rayon and spinning solution therefor, Delustered. F. H. Griffin. 1,983,450; Dec. 4.
Rayon, Continuous process and apparatus for making. W. H. Furness. 1,983,221; Dec. 4.
Razor blades, Apparatus for grinding and stropping hollow ground. L. Brylski. 1,983,214; Dec. 4.
Razor, Safety. J. Muros. 1,982,878; Dec. 4.
Reading outfit. R. A. de Vore. 1,983,439; Dec. 4.
Reamer. L. T. Pedigo. 1,983,488; Dec. 4.
Receptacle: *See*—
Attachment plug receptacle. Display receptacle.
Receptacle. L. Rosenberg. 1,982,696; Dec. 4.
Receptacle and advertising display, Combination. M. M. Swerdloff. 1,983,153; Dec. 4.
Receptacle for checks, coins and the like, Safety. A. A. Knee. 1,983,089; Dec. 4.
Rectifier control system. S. Widmer and G. Brunner. 1,983,204; Dec. 4.
Recuperator. A. Schack. 1,983,194; Dec. 4.
Reflecting device. H. P. Verdich. 1,983,108; Dec. 4.
Refrigerating apparatus. R. M. Hvid. 1,982,668; Dec. 4.
Refrigeration and apparatus therefor. W. G. Clark. 1,982,789; Dec. 4.
Refrigeration apparatus. W. G. Clark. 1,982,791; Dec. 4.
Refrigerator. H. F. Teichmann. 1,983,056; Dec. 4.
Refuse matter, Process and furnace for disposing of. J. E. Greenawalt. 1,982,803; Dec. 4.
Regulating system. J. C. Albright. 1,983,429; Dec. 4.
Regulator for brake rigging. W. H. Sauvage. 1,983,193; Dec. 4.
Regulator for oil burners. G. W. Whitehurst. 1,983,112; Dec. 4.
Relay apparatus, Sectionalizing. W. L. Garlington. 1,982,986; Dec. 4.
Relay, Photo-electric. W. D. Cockrell. 1,983,345; Dec. 4.
Relief valve. L. D. Lovekin. 1,983,514; Dec. 4.
Remote control plant. L. Brandenburger. 1,983,339; Dec. 4.
Reservoir for mercury instruments. H. J. Lawrence. 1,983,297; Dec. 4.
Resin from petroleum hydrocarbons. C. A. Thomas and W. H. Carmody. 1,982,708; Dec. 4.
Resin, Prepared. C. A. Thomas. 1,982,707; Dec. 4.
Resin, Synthetic. O. A. Cherry. 1,982,788; Dec. 4.
Retainer for basket covers. W. E. Morgan. 1,983,479; Dec. 4.
Reversible reactance clutch. A. Y. Dodge. 1,983,123; Dec. 4.
Reversing mechanism. C. V. Koons. 1,983,137; Dec. 4.
Rhythm stick. K. Tsukamoto. 1,982,888; Dec. 4.
Ring: *See*—
Finger ring.
Ring ensemble. J. Granat. 1,982,864; Dec. 4.
Road chair. W. E. White. 1,982,714; Dec. 4.
Road joint base unit. R. R. Robertson. 1,982,695; Dec. 4.
Roaster, Matrix. O. C. Roesen. 1,982,756; Dec. 4.
Rocker, Baby. C. I. Sweet. Des. 94,004; Dec. 4.
Rocking chair. C. C. Witzel. 1,983,206–7; Dec. 4.
Rod: *See*—
Hair waving or curling Pusher rod.
rod.
Roll shifting device. R. Müller. 1,982,685; Dec. 4.
Roller. H. S. Eberhard. 1,982,729; Dec. 4.
Roller bearing. P. C. Ackerman. 1,982,896; Dec. 4.
Roller bearing and cage. T. V. Buckwalter. 1,982,899; Dec. 4.
Roof covering and manufacturing same. A. C. Fischer. 1,983,495; Dec. 4.
Roofing. R. Maclean. 1,982,679; Dec. 4.
Roofing material. A. C. Fischer. 1,983,494; Dec. 4.
Rope and making the same, Wire. C. C. Sunderland. 1,983,249; Dec. 4.
Rose. W. Easlea. Pl. Pt. #114; Dec. 4.
Rotary bolt lock. M. Falk. 1,983,446; Dec. 4.
Routing machine. A. L. Cushman. 1,983,438; Dec. 4.
Rule, Collable measuring. F. A. Volz. 1,983,202; Dec. 4.
Rule, Measuring. F. A. Volz. 1,983,503; Dec. 4.
Rule, Medical arts sterility slide. C. W. Anderson. 1,983,062; Dec. 4.
Rule, Printer's. J. Hargraves. 1,983,453; Dec. 4.
Sachet powder container. P. H. Ganz. 1,983,496; Dec. 4.
Saddle, Pack. H. Swanson. 1,982,839; Dec. 4.
Safety device, Steering gear. A. J. Hockman. 1,983,459; Dec. 4.
Safety joint. A. B. Jenks. 1,982,915; Dec. 4.
Safety pin. L. Novat. 1,983,186; Dec. 4.
Sand purification. T. Earle. 1,983,271–2; Dec. 4.
Sand, Purification of. T. Earle. 1,983,270; Dec. 4.
Sawing machine. B. A. Van Wormer. 1,983,421; Dec. 4.
Scale. M. J. Weber. 1,982,938; Dec. 4.
Scale, Platform. M. J. Weber. 1,982,939; Dec. 4.
Scale, Weighing. W. D. Watling. 1,983,257; Dec. 4.
Scalp steamer. R. E. Davis. 1,982,905; Dec. 4.
Screen: *See*—
Filter screen. Well screen.
Screw for locomotive stokers, Conveyer. D. Evans. 1,982,799; Dec. 4.
Scroll cutting machine. F. Czemba. 1,982,983; Dec. 4.
Sealed bag. H. Haskell. 1,983,291; Dec. 4.
Sealing means. W. M. Brooks. 1,982,783; Dec. 4.
Sealing means for control rods. C. E. Hathorn. 1,983,368; Dec. 4.
Sealing ring for tire casings. L. A. Laursen. 1,982,674; Dec. 4.
Searchlight. F. A. Benford. 1,983,337; Dec. 4.
Seat and bed, Convertible. D. J. Russo. 1,982,930; Dec. 4.
Self-locking clutch, Hand driven. G. E. Geise. 1,983,284; Dec. 4.
Sensitizing of photographic emulsions. P. Goldacker. 1,982,987; Dec. 4.
Separator: *See*—
Air and dust separator. Sulphur separator.
Ore separator.
Sewing machine, Piece-end. I. F. Webb. 1,983,258; Dec. 4.
Sewing machines, Pull-off mechanism for. E. B. Allen and M. D. Knox. 1,983,263; Dec. 4.
Shade, Ventilating window. J. Picco. 1,983,046; Dec. 4.
Sheet feeding machine. R. Meredith. 1,982,823; Dec. 4.
Sheets, Method of and apparatus for rolling. C. A. Davis. 1,983,018; Dec. 4.
Shield, Cont. H. G. Dugan. 1,982,649; Dec. 4.
Shipping container. S. P. Belsinger. 1,983,265; Dec. 4.
Shockproof unit, Coronaless. M. Morrison. 1,982,825; Dec. 4.
Shoe. B. Arkin. Des. 93,961; Dec. 4.
Shoe. B. Benjamin. Des. 93,962; Dec. 4.
Shoe. W. E. Ebling. Des. 93,973; Dec. 4.
Shoe. H. Geller. Des. 93,976; Dec. 4.
Shoe. H. Goldberg. Des. 93,977; Dec. 4.
Shoe. G. McClellan. Des. 93,988; Dec. 4.
Shoe. J. W. McGee. Des. 93,989; Dec. 4.
Shoe. J. J. Shea. 1,983,408; Dec. 4.
Shoe. O. F. Stock. Des. 94,002–3; Dec. 4.
Shoe. S. Weinstat. Des. 94,006; Dec. 4.
Shoe and method of manufacture. G. Clarke and W. J. Lund. 1,982,725; Dec. 4.
Shoe or similar article. A. M. Bressler. Des. 93,966; Dec. 4.
Shoe or similar article. J. A. Goldberg. Des. 93,978; Dec. 4.
Sign standard. W. Joerger, J. S. Sheehan, and F. J. Jones. 1,983,174; Dec. 4.
Signal purposes, Device for. H. Eisenhut. 1,983,356; Dec. 4.
Silverware burnishing machine. H. Robinson. 1,983,401; Dec. 4.
Ski tie. V. Gretsch. 1,983,226; Dec. 4.
Sled cultivator. C. C. Dunbar. 1,983,350; Dec. 4.
Slicing machine. W. B. Felton. 1,982,731; Dec. 4.
Slimy growth accumulations from water contact surfaces, Removing. J. P. Warren and C. H. Beensen. 1,983,109; Dec. 4.

Socket, Caster mounting. W. F. Herold. 1,982,868; Dec. 4.
Socket, Electric light. D. Baum. 1,982,627; Dec. 4.
Socket, Shock absorbing. R. B. Benjamin. 1,982,781; Dec. 4.
Sodium bicarbonate solution, Revivifying. R. W. Pack. 1,982,688; Dec. 4.
Sole, Divided calked. R. W. Todd. 1,983,107; Dec. 4.
Solutions by evaporation or cooling, Apparatus for crystallizing. R. Bonath. 1,982,978; Dec. 4.
Solvent for preparing cellulose ether lacquers. L. Rosenthal and O. Leuchs. 1,982,760; Dec. 4.
Sound, Production of. E. W. Kellogg. 1,983,377; Dec. 4.
Sound, record and preparing same. W. O. Herrmann. 1,983,030; Dec. 4.
Spark arrester. L. R. Pyle. 1,982,691; Dec. 4.
Spark intensifying device. J. D. Curtis. 1,982,950; Dec. 4.
Spark plug. C. G. Erny. 1,983,445; Dec. 4.
Spark plug. A. A. Guziel and A. Korff. 1,982,866; Dec. 4.
Speed mechanism, Variable. J. P. Johnson. 1,982,670; Dec. 4.
Spinach for canning, Preparing. E. R. Anderson. 1,982,944; Dec. 4.
Spinning frame. C. Morton. 1,983,181; Dec. 4.
Splice for lead sheathed cables. A. Z. Mample. 1,983,042; Dec. 4.
Spout, Oil bottle. G. K. Scribner. 1,983,101; Dec. 4.
Sprag device for automotive vehicles. V. Lancia. 1,983,472; Dec. 4.
Spreader attachments for trucks. A. L. Walborn. 1,982,773; Dec. 4.
Spreader for paste tubes. J. J. Schmerler. 1,982,833; Dec. 4.
Spring assembly. W. E. Wunderlich. 1,982,941; Dec. 4.
Spring cushion. A. L. Cucuel. 1,983,346; Dec. 4.
Sprinkling means, Adjustable lawn. E. J. Sweetland. 1,982,840; Dec. 4.
Stamp, Music printing. A. F. Harbo. 1,982,790; Dec. 4.
Stamp retaining clamp. P. J. Hayes. 1,982,806; Dec. 4.
Stand: *See*—
Cloth display stand.
Staple driving machine. F. Polzer. 1,983,398; Dec. 4.
Staple fiber, Manufacture of artificial. W. I. Taylor. 1,983,326; Dec. 4.
Staple pulling machine. C. A. Robinson. 1,982,755; Dec. 4.
Stapling machine, Plier type. F. Polzer. 1,983,397; Dec. 4.
Start and stop control for power machines. C. G. Mortimer. 1,983,389; Dec. 4.
Steam heating system for automobiles. B. F. Peterson. 1,983,145; Dec. 4.
Steam or fluid motor, Rotary. S. C. Carter and F. H. Metke. 1,983,216; Dec. 4.
Steam power plant. H. C. Egloff. 1,983,275; Dec. 4.
Steaming apparatus. R. E. Davis and A. H. Nielsen. 1,982,904; Dec. 4.
Steel wool cleaner. L. Friedman. 1,982,654; Dec. 4.
Steering wheel. S. Seller. 1,983,195; Dec. 4.
Sterilizing compositions. L. C. Himebaugh and P. P. Gray. 1,983,031; Dec. 4.
Stock drenching instrument. G. P. Kauzal. 1,982,993; Dec. 4.
Stoker furnace construction. R. C. Denny. 1,982,797; Dec. 4.
Stop mechanism, Automatic. A. Bodenschatz. 1,982,632; Dec. 4.
Stop, Novelty door. L. Clark. Des. 93,971; Dec. 4.
Storage battery container. C. J. Dunzweiler. 1,983,219; Dec. 4.
Stove. H. Lange. Des. 93,984; Dec. 4.
Stove, Blast-furnace. A. Bowland. 1,983,017; Dec. 4.
Stove, Electric. F. E. Wolcott. 1,983,211; Dec. 4.
Stripping mold, Speed controlled. W. D. Sargent. 1,983,146; Dec. 4.
Suction cleaner. J. B. Kirby. 1,983,175; Dec. 4.
Sulphur preparation. C. J. Ramsburg. 1,983,399; Dec. 4.
Sulphur separator. R. Schönfelder. 1,983,313; Dec. 4.
Superheater. C. W. Gordon. 1,983,364; Dec. 4.
Superregenerative receiver. W. v B. Roberts. 1,982,694; Dec. 4.
Support: *See*—
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Support for cradle type telephones, Memorandum. J. Duceska and H. H. Campbell. 1,983,443; Dec. 4.
Support for motor vehicles, Water jug. R. C. Zukerman. 1,983,060; Dec. 4.
Supporting means for glass surfacing apparatus. J. P. Crowley. 1,982,641; Dec. 4.
Switch: *See*—
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Switch and system, Electric. A. R. Locke. 1,983,298; Dec. 4.
Switch box. O. H. Frank. 1,983,449; Dec. 4.
Switch device. L. O. Parker. 1,983,096; Dec. 4.
Switching means, Low capacity. K. Wilhelm. 1,982,717; Dec. 4.
Synchronizing system for television. R. Barthelemy. 1,983,432; Dec. 4.
Synchronous motor Self-starting. W. C. Nein and T. W. Varley. 1,982,826; Dec. 4.
Table: *See*—
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Table. J. M. Brower. Des. 93,968; Dec. 4.
Table and shelf protector. L. G. Ebert and M. K. Grable. 1,982,728; Dec. 4.
Table construction. W. S. Bellows. 1,983,065; Dec. 4.
Table coupling apparatus. J. L. Drake. 1,982,647; Dec. 4.
Tag and tag fastener. S. Weiss. 1,982,940; Dec. 4.
Tag for cakes of soap. E. Reeves. 1,983,002; Dec. 4.
Tank deck. W. P. Lincoln. 1,983,476; Dec. 4.
Tank gauge. R. Star. 1,982,970; Dec. 4.
Tank unit and assembly thereof, Structural. G. E. Escher. 1,983,355; Dec. 4.
Tap, Apparatus for making a. F. Judge. 1,982,736; Dec. 4.
Tap, Making a. F. Judge. 1,982,738; Dec. 4.
Tape fastener. C. A. Horton. 1,983,373; Dec. 4.
Tape of checks. H. T. Klingsbury. 1,983,465; Dec. 4.
Taper roller and race assembly. W. L. Scribner. 1,982,932; Dec. 4.
Telephone coin system. W. J. Heitsmith. 1,982,735; Dec. 4.
Telephone set. H. F. Obergfell. 1,983,393; Dec. 4.
Telephone system. J. P. Lowe. 1,983,477; Dec. 4.
Temperature control for oil filled busalngs. W. A. Hillebrand. 1,983,371; Dec. 4.
Temperatures, Determining critical. G. Alleman and A. F. S. Musante. 1,982,620; Dec. 4.
Tentering and drying machine. H. H. Belcher. 1,983,264; Dec. 4.
Termites, Process and tool for eradicating. D. Aiken. 1,982,974–5; Dec. 4.
Textile clamp. J. J. McCann. 1,982,683; Dec. 4.
Textile fabric or similar article of manufacture. W. E. Reynolds and R. Harvey. Des. 93,996; Dec. 4.
Textile material and making the same. C. Dreyfus. 1,983,349; Dec. 4.
Thermometer. H. B. Brown. Des. 93,969; Dec. 4.
Thermometer. J. L. Chaney and W. K. Yates. 1,983,166; Dec. 4.
Thermostatic element. N. L. Derby. 1,983,269; Dec. 4.
Thermostatic switch. B. E. Getchell. 1,983,076; Dec. 4.
Thermostatic switch, Adjustable. B. E. Getchell. 1,983,077; Dec. 4.
Thread cutting tool. A. J. Prance. 1,983,189–90; Dec. 4.
Thread-severing mechanism. O. Kleinschmitt. 1,983,465; Dec. 4.
Thread supply and handling device. F. Ashworth. 1,983,161; Dec. 4.
Three-cone bit. F. L. Scott and L. E. Garfield. 1,983,316; Dec. 4.
Ticket distributing system, Pneumatic. L. N. Hampton, R. W. Davis, and C. D. Richard. 1,982,805; Dec. 4.
Ticket issuing machine for totalizators. R. N. Saxby. 1,983,247; Dec. 4.
Tin and other container and sealing the same, Hermetically sealed. D. S. Richardson. 1,982,883; Dec. 4.
Tire casings, Manufacture of pneumatic. C. H. Desautels. 1,982,860; Dec. 4.
Tire for motor vehicles, Antiskid. M. Mucklich. 1,983,238; Dec. 4.
Tire, Safety automobile. A. E. Dietz. 1,982,861; Dec. 4.
Toaster. H. L. Blum. 1,982,631; Dec 4.
Tobacco pipe. H. Gamache and H. Hance. 1,983,360; Dec. 4.
Tomato coring machine. C. H. Ayars. 1,982,779; Dec. 4.
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Tool. M. T. McKnight. Des. 93,990; Dec. 4.
Tool. J. Wise. 1,983,426; Dec. 4.
Tool. W. A. Woerner. 1,982,719; Dec. 4.
Tool for sheet metal, Pneumatic bumping. C. Hopkins. 1,982,667; Dec. 4.
Tools, Device for testing impact. B. F. Jenkins. 1,982,669; Dec. 4.
Toothbrush. J. P. Handy. 1,982,660; Dec. 4.
Top for sprayer tanks, Filling. J. L. Novak. 1,983,185; Dec. 4.
Torch. J. H. Horsley. 1,983,372; Dec. 4.
Track for sliding sashes. R. I. Eustis and F. S. Berger. 1,982,908; Dec. 4.
Trackway devices from a rail vehicle, Apparatus for controlling. G. W. Baughman. 1,982,626; Dec. 4.
Traffic controlling system for railroads. O. S. Field. 1,983,509; Dec. 4.
Traffic controlling system for railroads. F. B. Hitchcock. 1,983,510; Dec. 4.
Traffic controlling system for railroads. E. B. Kempster, jr. 1,983,513; Dec. 4.
Traffic controlling system, Railway. E. B. Kempster, jr. 1,983,512; Dec. 4.
Transfer decorations, Mounting. T. S. Reese. 1,982,927; Dec. 4.
Transmission line protective system, Electric. J. Jonas. 1,983,086; Dec. 4.
Transmission mechanism. M. Tibbetts. 1,983,250; Dec. 4.
Transmission, Motor vehicle. S. G. Baits. 1,983,063; Dec. 4.
Transmitter. W. Kummerer. 1,982,916; Dec. 4.
Transportation package. H. P. Stewart. 1,983,322; Dec. 4.

Trap: *See*—
Animal trap.
Tray for eggs and other fragile articles. G. W. Swift, jr. 1,983,325; Dec. 4.
Tray, Smoker's ash. T. R. Lulham. Des. 93,986; Dec. 4.
Trimming device. A. Underwood. 1,983,420; Dec. 4.
Truck for locomotives, passenger cars and the like. T. V. Buckwalter. 1,982,898; Dec. 4.
Truck mixer. E. C. Leach and E. O. Hamren. 1,982,817; Dec. 4.
Truck, Railway. H. A. Bergert. 1,982,897; Dec. 4.
Truck, Railway car. W. F. Kiesel, jr. 1,983,088; Dec. 4.
Truck, Railway car. T. H. Symington. 1,982,704; Dec. 4.
Tube: *See*—
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Tube closing machine with sealing rolls. C. J. Westin. 1,983,505; Dec. 4.
Tube coupling. C. W. Fletcher and R. H. Stone. 1,982,732; Dec. 4.
Tube flanging tool. A. J. Scholtes. 1,983,407; Dec. 4.
Tubes, Process and apparatus for making corrugated. M. Knab. 1,983,468; Dec. 4.
Tubes, Tapering. J. K. Jamison. 1,982,874; Dec. 4.
Turbine and producing power therewith, Compound gas. H. Holzwarth. 1,982,664; Dec. 4.
Turbine, Explosion. H. Holzwarth. 1,982,665; Dec. 4.
Turntable, Display. E. Woerner. 1,982,776; Dec. 4.
Typewriting machine. L. C. Myers. 1,983,482; Dec. 4.
Underwear for women and girls. M. C. Schrank. 1,983,147; Dec. 4.
Unloading mechanism for belt conveyers. E. F. Miltenberger. 1,982,824; Dec. 4.
Urea-formaldehyde reaction product and making same. M. C. Dearing. 1,982,795–6; Dec. 4.
Urea-formaldehyde reaction product and preparing same. M. C. Dearing. 1,982,794; Dec. 4.
Valve: *See*—
Disk orifice valve.
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Valve. R. E. Newell and J. A. Robertshaw. 1,983,183; Dec. 4.
Valve gear servicing device. W. D. Kennedy. 1,983,378; Dec. 4.
Valve lifter and spring compressor, Combined. J. Sunnen. 1,982,838; Dec. 4.
Valve lubricating device for combustion engines. W. A. Black. 1,983,066; Dec. 4.
Valve operating mechanism. S. E. Hall. 1,982,867; Dec. 4.
Valve seating structure, High pressure. H. W. Buckman. 1,983,163; Dec. 4.
Valve structure. E. E. Price. 1,983,191; Dec. 4.
Vanity case. J. R. Marsh. 1,983,382; Dec. 4.
Variable pump. C. E. Kraus. 1,982,958; Dec. 4.
Vehicle. K. A. Brainard. 1,982,853; Dec. 4.
Vehicle cab, Motor. F. G. Alborn and V. Schreckengost. Des. 93,959–60; Dec. 4.
Vehicle cab, Motor. V. Schreckengost and F. G. Alborn. Des. 93,997–8; Dec. 4.
Vehicle, Collapsible trailer. H. H. Staugaard. 1,982,935; Dec. 4.
Vehicle having a fluid-medium door control, Dump. H. F. Flowers. 1,983,280; Dec. 4.
Vehicle lift, Dual-post. L. C. Stukenborg. 1,982,936; Dec. 4.
Vehicle, Motor. H. S. Eberhard. 1,982,727; Dec. 4.
Vehicle step. S. Lamonica and E. R. Caruso. 1,982,748; Dec. 4.
Ventilating device. F. J. Kurth. 1,982,747; Dec. 4.
Ventilation, Method and apparatus for. W. L. Fleishier. 1,983,023; Dec. 4.
Vessel, Cooking. P. Bourque. 1,983,118; Dec. 4.
Vessel, Stirring. E. Keller. 1,983,233; Dec. 4.
Wagon, Dump. J. D. Benbow and J. B. Green. 1,983,433; Dec. 4.
Washboard. J. F. Whitfield and J. H. Rimmer. 1,983,424; Dec. 4.
Washing and cleaning apparatus for mash and strainer tubs. A. R. Keller. 1,983,232; Dec. 4.
Water heater. W. G. Hanna. 1,983,170; Dec. 4.
Water heater, Circulating. R. L. Stith. 1,983,199; Dec. 4.
Water softening apparatus. H. M. Marsh. 1,982,961; Dec. 4.
Wave modulation, High frequency. M. von Ardenne. 1,982,771; Dec. 4.
Weed exterminator. E. L. Dick. 1,982,646; Dec. 4.
Weft inserting mechanism for looms for weaving. O. Shimwell. 1,983,409; Dec. 4.
Welding apparatus. V. J. Chapman. 1,983,343; Dec. 4.
Welding apparatus. R. M. Stephens and V. J. Chapman. 1,983,321; Dec. 4.
Welding apparatus, Electric. J. L. Adams, jr. 1,983,160; Dec. 4.
Welding, Apparatus for. J. L. Adams, jr. 1,983,159; Dec. 4.
Well flowing apparatus. W. L. Clark. 1,983,217; Dec. 4.
Well pump. W. H. Maxwell. 1,982,919; Dec. 4.
Well pump. J. Penrod. 1,983,489; Dec. 4.
Well screen. E. L. Barker. 1,983,016; Dec. 4.
Wells, Drilling. G. A. Zeidler, jr. 1,983,428; Dec. 4.
Wheel: *See*—
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Wheel construction, Fifth. J. F. Robb. 1,982,925; Dec. 4.
Wheels, Reinforcement of high speed abrasive. F. J. Tone. 1,982,710; Dec. 4.
Windshield cleaner. G. A. Barker. 1,982,624; Dec. 4.
Windshield heater. A. S. Paul. 1,983,485; Dec. 4.
Winding machine. G. B. Cocker. 1,983,508; Dec. 4.
Winding machine. C. R. Sibley. 1,982,933; Dec. 4.
Window. S. W. Funk. 1,982,655; Dec. 4.
Window construction. P. E. Minchaklevich. 1,983,299; Dec. 4.
Window operating device. A. Straker. 1,983,054; Dec. 4.
Window operator, Casement. B. T. Stewart. 1,983,152; Dec. 4.
Window, Reversible. E. H. Panter. 1,982,753; Dec. 4.
Wiper and drier, Razor blade. F. J. Troll. 1,983,011; Dec. 4.
Wire binding, Method of. J. A. Bent. 1,982,630; Dec. 4.
Wire splicing machine. C. L. Van Inwagen, jr. 1,982,844; Dec. 4.
Wire-stitching machine. H. T. McClure. 1,983,384; Dec. 4.
Wire stitching or stapling machine. O. Kleinschmit and K. Kugler. 1,982,743; Dec. 4.
Work supporting fixture. D. R. Hall. 1,982,804; Dec. 4.
X-ray apparatus. H. R. Austin. 1,983,014; Dec. 4.
Zinciferous material, Reduction of. P. M. Ginder and E. C. Handwerk. 1,983,025; Dec. 4.

CLASSIFICATION OF PATENTS

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NOTE.—First number = class, second number = subclass, third number = patent number

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abrams, Nicholas, Chicago, Ill. Carpet sweepers. Serial No. 356,985; Dec. 11. Class 23.

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. Serial No. 357,322; Dec. 11. Class 23.

Aderer, Julius, Inc., New York, N. Y. Precious metal alloys for dentistry. Serial Nos. 357,323–4; Dec. 11. Class 44.

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Albers Bros. Milling Co., Portland, Oreg., and San Francisco, Oakland, Los Angeles, Riverside, and Fresno, Calif. Instant tapioca. Serial No. 356,984; Dec. 11. Class 46.

Alberty, Adah, Hollywood, Calif. Herb tea and tablets. Serial No. 331,355; Dec. 11. Class 6.

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Barker Brothers Silver Company, Inc., New York, N. Y. Silver plated hollow ware and flatware. Serial No. 356,892; Dec. 11. Class 28.

Barrasso & Blasi, Inc., Newark, N. J. Finger rings, brooches, pendants, etc. Serial No. 357,362; Dec. 11. Class 28.

Baumann, Ludwig & Company, New York, N. Y. Men's suits, topcoats, and overcoats. Serial No. 357,527; Dec. 11. Class 39.

Beiersdorf, P. & Co. Inc., New York, N. Y. Soap. Serial No. 303,799; Dec. 11. Class 4.

Berow, William J., Brooklyn, N. Y. Safety razor blades. Serial No. 355,426; Dec. 11. Class 23.

Beverly Studios, Inc., New York, N. Y. Photographs. Serial Nos. 355,136–7; Dec. 11. Class 38.

Bloomingdale Bros., Inc., New York, N. Y. Port wine. Serial No. 357,614; Dec. 11. Class 47.

Bloomingdale Bros., Inc., New York, N. Y. Port wine. Serial No. 357,617; Dec. 11. Class 47.

Blue Valley Creamery Company, Chicago, Ill. Butter. Serial No. 357,041; Dec. 11. Class 46.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics. Serial No. 357,042; Dec. 11. Class 42.

Bon Ton, Incorporated, doing business as Bon Ton Beverages, Inc., Chicago, Ill. Whiskey. Serial No. 357,189; Dec. 11. Class 49.

Bowden, Glynn, doing business as Se Du Lotion Company, Kansas City, Mo. Skin lotion. Serial No. 357,043; Dec. 11. Class 6.

Breyer Ice Cream Company, The, Philadelphia, Pa. Ice cream and similar frozen products. Serial No. 353,117; Dec. 11. Class 46.

Brown Shoe Company, St. Louis, Mo. Shoes. Serial No. 356,756; Dec. 11. Class 39.

Browns, Dr., Laboratories. (See Nostane Products Corporation.)

Brundage, J. R., Inc., New York, N. Y. Tooth paste. Serial No. 342,335; Dec. 11. Class 6.

Buchet Fils et Charles Colcombet, Lyon, France. Piece goods. Serial No. 353,843; Dec. 11. Class 42.

Buckeye Traction Ditcher Company, The, Findlay, Ohio. Trenching machinery. 103,644; renewed Apr. 13, 1935.

Buhl Optical Company, Pittsburgh, Pa. Ophthalmic lenses, prisms, etc. Serial No. 356,094; Dec. 11. Class 26.

Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. Serial No. 356,991; Dec. 11. Class 42.

Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. Serial No. 356,993; Dec. 11. Class 42.

Cannon Mills Company, Kannapolis N. C. Sheets and pillow cases. Serial No. 356,994; Dec. 11. Class 42.

Cataract Brewing Co. Inc. of Rochester, N. Y., Rochester, N. Y. Beer, porter, ale, and stout. Serial No 357,329; Dec. 11. Class 48.

Citizens' Wholesale Supply Co., The, Columbus, Ohio. Prepared packaged vegetable liquid for seasoning foods. Serial No. 357,186; Dec. 11. Class 46.

Clapp, Harold H., Inc., Rochester, N. Y. Food for babies. Serial No. 353,378; Dec. 11. Class 46.

Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal working tools. Serial No. 354,276; Dec. 11. Class 23.

Colcombet, Charles. (See Buchet Fils et Charles Colcombet.)

Coleman Lamp and Stove Company, The, Wichita, Kans. Coffee pots and coffee urns. Serial No. 352,213; Dec. 11. Class 13.

Coleman Lamp and Stove Company, The, Wichita, Kans. Vaporized liquid hydro carbon burners. Serial No. 356,983; Dec. 11. Class 34.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Dental cream. Serial No. 357,714; Dec. 11. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving cream. Serial No. 357,716; Dec. 11. Class 4.

Colony Sales Corporation, New York, N. Y. Textile fabrics. Serial No. 355,565; Dec. 11. Class 42.

Condenser Corporation of America, Jersey City, N. J. Electrostatic condensers. Serial No. 351,259; Dec. 11. Class 21.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. Serial No. 357,330; Dec. 11. Class 23.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cortland Line Co., Cortland, N. Y. Tennis rackets and fishing lines. Serial Nos. 357,761–4; Dec. 11. Class 22.

Cucamonga Wine Company, Cucamonga, Calif. Wines. Serial No. 357,452; Dec. 11. Class 47.

Dando, George G., doing business as Alvinorr Products, Galt, Ontario, Canada. Pharmaceutical preparations. Serial No. 356,095; Dec. 11. Class 6.

Darsky, N. H., doing business as Golden Age Ginger Ale Co., Youngstown, Ohio. Maltless beverages. Serial No. 357,765; Dec. 11. Class 45.

Darsky, N. H., doing business as Golden Age Ginger Ale Co., Youngstown, Ohio. Maltless beverages. Serial No. 357,944; Dec. 11. Class 45.

Deutsche Hydrierwerke, A.-G., Berlin-Charlottenburg, Germany. Normal actyl, capryl, lauryl, etc. Serial No. 355,299; Dec. 11. Class 6.

Donny Cheese Factory Equipment, Monroe, Wis. Cheese cloths. Serial No. 356,870; Dec. 11. Class 42.

Doo Tee Corporation, Oakland, Calif. Infant toilet seats. Serial No. 357,880; Dec. 11. Class 13.

Draheim Walter W., Chicago, Ill. Radio receiving sets. Serial No. 346,294; Dec. 11. Class 21.

Dunn, Michael F., Fitchburg, Mass. Decorative wrapping paper. Serial No. 356,798; Dec. 11. Class 37.

Escoffier Limited, London, England. Pickles, chutney, vinegar, etc. Serial No. 352,819; Dec. 11. Class 46.

Exhibit Supply Company. (See Meyer, John F.)

Fava, G., Fruit Company, Inc., Baltimore, Md. Wines. Serial No. 356,073; Dec. 11. Class 47.

Fazio, Frank, Chicago, Ill. Dry sausages. Serial No. 356,184; Dec. 11. Class 46.

Fedden Brothers Company, Incorporated, New York, N. Y. Hosiery. Serial No. 356,618; Dec. 11. Class 39.

Feley, Henry N., & Co., Inc., New York, N. Y. Check books. Serial No. 357,282; Dec. 11. Class 37.

Fillice & Perrelli Canning Company, Inc., Richmond, Calif. Canned fruits, canned vegetables. Serial Nos. 357,548–50; Dec. 11. Class 46.

Finch, Joseph S. and Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 357,813; Dec. 11. Class 49.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, brandy, etc. Serial No. 357,896; Dec. 11. Class 49.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial Nos. 357,897–8; Dec. 11. Class 49.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 358,012; Dec. 11. Class 49.

Firm-Mould Five Point Foundation Co. (See Rosner, Irving.)

Fleming & Sons, Inc., Dallas, Tex. Building paper. Serial No. 357,626; Dec. 11. Class 12.

Flores, Francisco, Espinardo, Spain. Spices and nuts. Serial No. 347,637; Dec. 11. Class 46.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial No. 357,244; Dec. 11. Class 49.

Freeman, H., & Son, Inc., Philadelphia, Pa. Topcoats, overcoats, and suits. Serial No. 356,405; Dec. 11. Class 39.

Fridolph, M. C., Los Angeles, Calif. Foundation garments for women. Serial No. 357,336; Dec. 11. Class 39.

General Coin-Automatic Co., Seattle, Wash. Time meter for typewriters. Serial No. 356,720; Dec. 11. Class 26.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gert & Co., Vienna, Austria. Mixture of salts or organic fruit acids, bay-leaf water and bay rum, bath salts, etc. Serial No. 353,126; Dec. 11. Class 6.
Given, Albert, Manufacturing Company, East Chicago, Ind. Trousers. Serial No. 355,568; Dec. 11. Class 39.
Goldblatt Bros., Inc., Chicago, Ill. Blankets. Serial No. 357,283; Dec. 11. Class 42.
Golden Age Ginger Ale Co. (See Darsky, N. H.)
Goodman & Beer Co., Inc., New Orleans, La. Cocktail. Serial No. 357,431; Dec. 11. Class 49.
Goodman & Beer Co., Inc., New Orleans, La. Whisky. Serial No. 357,432; Dec. 11. Class 49.
Guibert-Bouisset & Co., Inc., New York, N. Y. Leather gloves. Serial No. 356,724; Dec. 11. Class 39.
Halligan, William J., Chicago, Ill. Radio receiving sets. Serial No. 356,952; Dec. 11. Class 21.
Hancock Oil Company of California, The, Long Beach, Calif. Gasoline. Serial No. 355 886; Dec. 11. Class 15.
Harrower Laboratory, Inc., The, Glendale, Calif. Bile salts compound. Serial No. 357,668; Dec. 11. Class 6.
Hawkins, Paul, Company, Los Angeles, Calif. Ice creams, etc. Serial No. 350,422; Dec. 11. Class 46.
Herath, Edward, Rensselaer, Ind. Pile ointment. Serial No. 357,462; Dec. 11. Class 6.
Hillerich & Bradsby Company, Louisville, Ky. Golf clubs. Serial No. 357,904; Dec. 11. Class 22.
Hillerich & Bradsby Co., Louisville, Ky. Baseball bats and golf clubs. Serial No. 357,905; Dec. 11. Class 22.
Hillerich & Bradsby Company, Louisville, Ky. Golf clubs. Serial No. 357,907; Dec. 11. Class 22.
Hodges, Betty M., Chicago, Ill. Bandeaux. Serial No. 353,929; Dec. 11. Class 40.
Holleb Liquor Distributors, Inc., Chicago, Ill. Whiskey. Serial No. 357,819; Dec. 11. Class 49.
Jackson-Wheeler Metals Service, Brooklyn, N. Y. Bearing alloys and white metal alloys. Serial No. 355,8[illegible]5; Dec. 11. Class 14.
Jacobs Bros. Co., Inc., The, Brooklyn, N. Y. Weighing scales. Serial No. 357,248; Dec. 11. Class 26.
Jammes, Ernest L. A., doing business as Laboratoires Jammes, Paris, France. Ampoules containing cacodylate of soda. Serial No. 349,917; Dec. 11. Class 6.
Jammes, Ernest L. A., doing business as Laboratoires Jammes, Paris, France. Organic combination of iodine, urotropine, and sodium benzoate. Serial No. 349,918; Dec. 11. Class 6.
Kahn, David, Inc., North Bergen, N. J. Lead and erasers for pencils. Serial No. 357,773; Dec. 11. Class 37.
Kellson Co., The, Covington, Ky. Gin. Serial No. 357,774; Dec. 11. Class 49.
Kellson Co., The, Covington, Ky. Whiskey. Serial No. 357,775; Dec. 11. Class 49.
Kent Company, Inc., The, Rome, N. Y. Vacuum cleaning apparatus. Serial No. 357,440; Dec. 11. Class 23.
Klausner, Emanuel, Vienna, Austria. Medical preparations for infections of the kidneys, etc. Serial No. 354,250; Dec. 11. Class 6.
Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains and window drapes. Serial No. 357,597; Dec. 11. Class 50.
Kranzberg, Harry, St. Louis, Mo. Eradicator for ink. Serial No. 352,251; Dec. 11. Class 6.
Krasnow, Ben B., Sacramento, Calif. Fresh grapes. Serial No. 339,828; Dec. 11. Class 46.
L. B. Drug Company, The, Gadsden, Ala. Headache powders, epsom salts, etc. Serial No. 353,898; Dec. 11. Class 6.
Laboratoires Jammes. (See Jammes, Ernest L. A.)
Le Flaive, Joseph, Puligny-Montrachet, France. Wines. Serial No. 350,494; Dec. 11. Class 47.
Lewis, Evelyn C., Dallas, Tex. Dolls. Serial No. 357,638; Dec. 11. Class 22.
Lundborg, Inc., New York, N. Y. Astringents, astringent cerates, etc. Serial No. 357,250; Dec. 11. Class 6.
Macy, R. H. & Co., Inc., New York, N. Y. Whiskies. Serial No. 356,120; Dec. 11. Class 49.
Manny-Reilly Co., New York, N. Y. Women's underwear. Serial No. 357,465; Dec. 11. Class 39.
Many, Blanc & Co., Chicago, Ill. Cordials, brandy, etc. Serial No. 357,826; Dec. 11. Class 49.
Marx, Louis, & Company, New York, N. Y. Roller skates. Serial No. 356,775; Dec. 11. Class 22.
May Department Stores Company, New York, N. Y. Grass seed. Serial No. 357,053; Dec. 11. Class 1.
McCormick & Company, Inc., Baltimore, Md. Insecticides. Serial No. 356,846; Dec. 11. Class 6.
McKay Company, New York, N. Y. Chemical compound for etching glass. Serial No. 348,237; Dec. 11. Class 6.
McLeslie, James, Inc., Chicago, Ill. Preparation for corning of beef. Serial No. 356 776; Dec. 11. Class 46.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for treatment of the liver and gall bladder. Serial No. 356,315; Dec. 11. Class 6.
Meyer, John F., doing business as Exhibit Supply Company, Chicago, Ill. Coin controlled amusement apparatus. Serial No. 357,641; Dec. 11. Class 22.
Meyer, John F., doing business as Exhibit Supply Company, Chicago Ill. Coin controlled amusement apparatus. Serial Nos. 357,916–17; Dec. 11. Class 22.
Michel & Pelton Company, doing business as The Salukuta Laboratories, Oakland, Calif. Hair and scalp shampoo and skin ointment. Serial No. 356,778; Dec. 11. Class 6.
Middishade Company, Inc., The, Philadelphia, Pa. Men's suits, coats, etc. Serial No. 356,956; Dec. 11. Class 39.
Mitayne, Henry, doing business as Mitayne Hermanos, New York, N. Y. Alcoholic cordials. Serial No. 356,454; Dec. 11. Class 49.
Modern Leathers, Inc., Philadelphia, Pa. Leather. Serial No. 349,374; Dec. 11. Class 1.
Mohawk Liquor Corporation, Detroit, Mich. Cordials. Serial No. 357,867; Dec. 11. Class 49.
Moore, William F., doing business as Moore Elastic Products Company, Glendale, Calif. Brassières, garter belts, etc. Serial No. 356,455; Dec. 11. Class 39.
Mosso, C. A., Laboratories, Calcago, Ill. Antiseptics, germicides, and bactericides. Serial No. 357,251; Dec. 11. Class 6.
Mt. Hood Soap Company, Portland, Oreg. Sterilizer and disinfectant. Serial No. 356 815; Dec. 11. Class 6.
Murray, Herman A., Lake George, N. Y. Dog food. Serial No. 355,556; Dec. 11. Class 46.
Myers, D., and Sons, Inc., Baltimore, Md. Shoes. Serial No. 355,577; Dec. 11. Class 39.
Narragansett Brewing Company, Cranston, R. I. Malt beverages. Serial No. 351,641; Dec. 11. Class 38.
National Grocery Company, Jersey City, N. J. Eggs. Serial No. 357,020; Dec. 11. Class 46.
New England Distilling Company, The, Covington, Ky. Whiskey, gin, rum, etc. Serial No. 357,957; Dec. 11. Class 49.
Niana Pure Food Company, Waukesha, Wis. Canned beans, beets, peas, etc. Serial No. 357 385; Dec. 11. Class 46.
North Western Fuel Company, St. Paul, Minn. Coal. Serial No. 357,831; Dec. 11. Class 1.
Nostane Products Corporation, doing business as Dr. Browns Laboratories, Brooklyn, N. Y. Brushless shaving cream. Serial No. 357,056; Dec. 11. Class 4.
Ohio Match Company, The, Wadsworth, Ohio. Matches. Serial No. 357,386; Dec. 11. Class 9.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, etc. Serial No. 357,919; Dec. 11. Class 49.
Ostrow, Seniel, doing business as Valley Bedding & Furniture Co., Fresno, Calif. Mattresses, couches, davenports, etc. Serial No. 356,268; Dec. 11. Class 32.
Paper Makers Chemical Corporation, Wilmington, Del. Castor oil for lubrication purposes. Serial No. 356,534; Dec. 11. Class 15.
Park, Benziger & Co., New York, N. Y. Brandy. Serial No. 356,425; Dec. 11. Class 49.
Parker-Kalon Corporation, New York, N. Y. Screws, drive screws, etc. Serial No. 354,766; Dec. 11. Class 13.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, varnishes, stains, etc. Serial No. 357,868; Dec. 11. Class 16.
Payson Varnish Co., The, New York, N. Y. Paint enamel. Serial No. 356,601; Dec. 11. Class 16.
Pea Product Company. (See Sloan, J. E.)
Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Lye. Serial No. 357,780; Dec. 11. Class 6.
Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, and cordials. Serial No. 357,503; Dec. 11. Class 49.
Quigley Company, Inc., New York, N. Y. Refractory brick. Serial No. 357,835; Dec. 11. Class 12.
Raybestos-Manhattan, Inc., Passaic, N. J. Brake linings. Serial No. 346,786; Dec. 11. Class 35.
Regal Products Company, San Francisco, Calif. Malt, cereal beverage. Serial No. 342,288; Dec. 11. Class 48.
Reydman, Saul O., Milwaukee, Wis. Infants' wear. Serial No. 342,509; Dec. 11. Class 39.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin controlled rotary counter amusement device. Serial No. 355,982; Dec. 11. Class 22.
Rome Company, The, Inc., Rome, N. Y. Bedsprings. Serial No. 352,196; Dec. 11. Class 32.
Rose Manufacturing Company. (See Rosenbluth, Edwin M.)
Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa. Fungicides, insecticides, and disinfectants for plants, etc. Serial No. 356,820; Dec. 11. Class 6.
Rosner, Irving, doing business as Firm-Mould Five Point Foundation Co., New York, N. Y. Brassières, corsets, etc. Serial No. 356,156; Dec. 11. Class 39.
Sager, Solomon M., Chicago, Ill. Fountain pens and parts thereof. Serial No. 357,837; Dec. 11. Class 37.
Salakuta Laboratories, The. (See Michel & Pelton Company.)
Salem Brewery Association, Salem, Oreg. Beer. Serial No. 357,838; Dec. 11. Class 48.
Sands, Margaret, doing business as Vita-Gum Company, Alexandria, Va. Chewing gum. Serial No. 350,293; Dec. 11. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Santa Ana-Tustin Mutual Citrus Association, Tustin, Calif. Fresh citrus fruits. Serial No. 340,754; Dec. 11. Class 46.
Schautz, William A., Scranton, Pa. Bread and rolls. Serial No. 356,782; Dec. 11. Class 46.
Schenley Distributors, Inc., New York, N. Y. Whiskey, gin, rum, etc. Serial No. 357,829; Dec. 11. Class 49.
Schnelerson, I. & Sons, Inc., New York, N. Y. Ladies' chemises, bloomers, step-ins, etc. Serial No. 356,674; Dec. 11. Class 39.
Schoeneman, J., Incorporated, Baltimore, Md. Garments of the tailored variety. Serial No. 355,856; Dec. 11. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Cotton piece goods. Serial Nos. 357,064–5; Dec. 11. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Cotton piece goods. Serial Nos. 357,605–7; Dec. 11. Class 42.
Se Du Lotion Company. (See Bowden, Glynn.)
Seeman Brothers, Inc., New York, N. Y. Canned soup. Serial No. 355,603; Dec. 11. Class 46.
Sheffield Mfg. Corp., Irvington, N. J. Razor blades. Serial No. 356,053; Dec. 11. Class 23.
Sloan, J. E., doing business as Pea Product Company, Los Angeles, Calif. Cooked dried peas. Serial No. 357,008; Dec. 11. Class 46.
Smith, M. R., Lumber & Shingle Company, Seattle, Wash. Red cedar shingles. Serial No. 352,841; Dec. 11. Class 12.
Smith, M. R., Lumber & Shingle Company, Seattle, Wash. Red cedar shingles. Serial No. 352,842; Dec. 11. Class 12.
Sponge Rubber Products Co., The, Derby, Conn. Rug underlays, bath mats, and kneeling pads. Serial No. 355,819; Dec. 11. Class 50.
Stagg, Geo. T. Company, The, Frankfort, Ky. Whiskey, gin, rum, etc. Serial No. 358,030; Dec. 11. Class 49.
Standard Distillers Products, Inc., Baltimore, Md. Whiskey. Serial No. 357,206; Dec. 11. Class 49.
Standard Ticket Games Corporation, Chicago, Ill. Amusement apparatus. Serial No. 357,927; Dec. 11. Class 22.
Star Paper Company, doing business as Star Products Co., Chester, Pa. Insecticide. Serial No. 356,387; Dec. 11. Class 6.
Star Paper Company, doing business as Star Products Co., Chester, Pa. Bleach. Serial No. 356,388; Dec. 11. Class 6.
Stevens, Ernest J., Chicago, Ill. Maltless beverages. Serial No. 357,572; Dec. 11. Class 45.
Stevens, Ernest J., Chicago, Ill. Beer, ale porter, and stout. Serial No. 357,576; Dec. 11. Class 48.
Stylepark Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 357,181; Dec. 11. Class 39.
Swift and Company, Chicago, Ill. Glue. Serial No. 357,753; Dec. 11. Class 5.
T. P. Building Supply Co., Hicksville, N. Y. Construction materials. Serial No. 355,383; Dec. 11. Class 12.
Tabourin, André, Epernay, France. Wines. Serial No. 349,294; Dec. 11. Class 47.
Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Apparatus for registering electrically various operating data of a number of machines. Serial No. 354,415; Dec. 11. Class 26.
Tetley, Joseph, & Co., Inc., New York, N. Y. Butter, canned fruits, and vegetables, etc. Serial No. 344,610; Dec. 11. Class 46.
Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. Serial No. 356,128; Dec. 11. Class 46.
Townsman Publishing Co., Inc., Chicago, Ill. Publication. Serial No. 357,398; Dec. 11. Class 38.
Turner, Edna B., doing business as Turner Products Company, Windsor, Mo. Dandruff remover. Serial No. 349,755; Dec. 11. Class 6.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Worsted yarn. Serial No. 357,029; Dec. 11. Class 43.
United Elastic Corporation, Easthampton, Mass. Rubber thread. Serial No. 352,009; Dec. 11. Class 43.
United Necessities Corporation, Bartlesville, Okla. Cleaning and polishing material. Serial No. 352,559; Dec. 11. Class 4.
Urman-Burger Hat Mfg. Co., The, Cleveland, Ohio. Men's hats. Serial No. 342,939; Dec. 11. Class 39.
Valley Bedding & Furniture Co. (See Ostrow, Seniel.)
Vick Chemical Company, Philadelphia, Pa. Confectionery lozenges or pastilles. Serial No. 357,262; Dec. 11. Class 6.
Vita-Gum Company. (See Sands, Margaret.)
Vve. Villars & Fils, Bordeaux, France. Wines. Serial No. 351,589; Dec. 11. Class 47.
Wade, Dudley B., jr., Lagrange, Ga. Shaving cream and soap. Serial No. 357 359; Dec. 11. Class 4.
Wallace & Tiernan Products, Inc., Belleville, N. J. Antiseptic and germicidal substance. Serial No. 357,789; Dec. 11. Class 6.
West Indies Liquor Corporation, New Orleans, La. Rum. Serial No. 357,929; Dec. 11. Class 49.
West Virginia Pulp and Paper Company, New York, N. Y. Printing paper. Serial No. 357,872; Dec. 11. Class 37.
Wilson, Walter E., doing business as Wilson Chemical Company, Rye, N. H. Grease detergent and solvent cleaning compound. Serial No. 354,967; Dec. 11. Class 4.
Wilt Trunk Company, Chicago, Ill. Suitcases and traveling bags. Serial No. 357,791; Dec. 11. Class 3.
Wye, Geo. E., Co., Needham, Mass. Knitted wearing apparel. Serial No. 356,891; Dec. 11. Class 39.
Zanadu Manufacturing Corporation, New York, N. Y. Lipstick. Serial No. 357,579; Dec. 11. Class 6.
Zehner Packing Company, Inc., The, Bellevue Ohio. Luncheon meat. Serial No. 353,691; Dec. 11. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A. D. W. Food Products Co., San Francisco, Calif. Flour. 319,982; Dec. 11. Class 46.
Ace Manufacturing Company, Chicago, Ill. Shaving creams, sticks, and powders; outfit packages, etc. 319,947; Dec. 11; Serial No. 335,409; published Oct. 2, 1934. Class 4.
American Agricultural Chemical Company, The. (See Wooldridge, Robert A., Company, assignor.)
American Agricultural Chemical Co., assignor to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 99,678; renewed Sept. 15, 1934.
American Brewers' Review Company, Chicago, Ill. Magazine. 319,944; Dec. 11; Serial No. 339,854; published Dec. 19, 1933. Class 38.
American Hardware Corporation, The, New Britain, Conn. Locks and parts thereof and safes. 103,605–7; renewed Apr. 6, 1935.
American Medicinal Spirits Company, The, Louisville, Ky. Whiskey. 319,919–20; Dec. 11; Serial Nos. 349,964–5; published May 29, 1934. Class 49.
Anderson, Arminda J., Leaday, to Arminda J. Anderson, Edinburg, Tex. Medical preparation. 100,074; renewed Oct. 6, 1934.
Atlas Publishing Company, Inc., New York, N. Y. Periodical. 319,911; Dec. 11; Serial No. 345,932; published Oct. 2, 1934. Class 38.
Badger Bag & Paper Co., Wausau, Wis., and Chicago, Ill., assignor to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 102,504; renewed Feb. 9, 1935.
Baldwin, J. and J., & Partners, Limited, assignor to Patons & Baldwins, Limited, Halifax, England. Yarns. 103,883; renewed Apr. 20, 1935.
Basner, Charles L., New York, N. Y. Handkerchiefs. 319,891; Dec. 11; Serial No. 354,019; published Sept. 25, 1934. Class 42.
Berzinski & Richter, assignor to Simi-Laboratorium A. Richter Kom.-Ges., Berlin, Germany. Skin lotions, creams, and powders. 43,779; renewed Nov. 29, 1934.
Best & Company, assignor to Best & Co., Inc., New York, N. Y. Infants' and ladies' clothing. 102,704; renewed Feb. 23, 1935.
Beveridge Paper Company, The, Indianapolis, Ind. Cover paper. 319,977; Dec. 11. Class 37.
Billups, Cecil, to C. Billups, Son & Co., Inc., Norfolk, Va. Plows, moldboards, landsides, etc. 96,231–5; renewed Apr. 14, 1934.
Billups, Cecil, to C. Billups, Son & Co. Inc., Norfolk, Va., successor. Plows, moldboards, landsides, etc. 96,634; renewed Apr. 28, 1934.
Bloomingdale Bros., Inc., New York, N. Y. Shoes. 319,969; Dec. 11. Class 39.
Blue Waltz, Inc. (See Jolind, Inc.)
Borun Bros., Los Angeles, Calif. Cleansing tissue. 319,970; Dec. 11. Class 37.
Boyer & Co., Philadelphia, Pa. Polish for leather. 102,888; renewed Mar. 2, 1935.
Boyer & Co., Philadelphia, Pa. Polish and oil coloring for leather. 102,889; renewed Mar. 2, 1935.
Broadwell, Edward H., Westfield, Mass., receiver of Westfield Manufacturing Company, assignor to The Westfield Manufacturing Company. Bicycles. 319,981; Dec. 11. Class 19.
Brooker, Chas., & Co., Owensboro, Ky. Corn meal. 102,783; renewed Feb. 23, 1935.
Buckeye Soda Company, The, Painesville, Ohio. Lye and chemical soda products and mixtures. 319,898; Dec. 11; Serial No. 354,597; published Oct. 2, 1934. Class 6.
Burroughs, Wellcome & Co., London, England, assignor, by mesne assignments, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Lozenges or other medicinal preparations. 11,993; re-renewed Mar. 10, 1935.
Califruit Wineries, Inc., New York, N. Y. Wines. 319,939; Dec. 11; Serial No. 342,522; published Dec. 12, 1933. Class 47.

Campana Corporation, Batavia, Ill. Preparations in the nature of a beard softener. 319,916; Dec. 11; Serial No. 348,688; published May 22, 1934. Class 4.
Cannon Mills Company, Kannapolis, N. C. Sheets and pillowcases. 319,965; Dec. 11. Class 42.
Carnation Company, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash. Evaporated milk. 319,934–5; Dec. 11; Serial Nos. 353,465–6; published Oct. 2, 1934. Class 46.
Carson, Pirie, Scott & Co., assignor to Carson Pirie Scott & Company, Chicago, Ill. Bleached gauze. 101,035; renewed Nov. 10, 1934.
Cheever, Tweedy & Co., Inc., North Attleboro, Mass. Jewelry. 319,951; Dec. 11; Serial No. 355,431; published Oct. 2, 1934. Class 28.
Chrysler Corporation. (See Dodge Brothers, assignor.)
Claflin, C. A., Co., Boston, Mass. Air blow gun nozzles. 319,968; Dec. 11. Class 13.
Cole, Barzillai L., assignor to Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Tablet for disorders of the liver and for constipation. 100,956; renewed Nov. 3, 1934.
Columbia Macaroni Manufacturing Company, Inc., New Orleans, La. Alimentary pastes. 319,887; Dec. 11; Serial No. 353,881; published Oct. 2, 1934. Class 46.
Columbia Macaroni Manufacturing Company, Inc., New Orleans, La. Alimentary pastes. 319,905; Dec. 11; Serial No. 353,880; published Oct. 2, 1934. Class 46.
Continental-Diamond Fibre Company. (See Diamond State Fibre Co., assignor.)
Corliss Limb Specialty Co., Boston, Mass. Surgical appliances. 103,379; renewed Mar. 30, 1935.
Cotton Digest Publishing Company, Inc., The, Houston, Tex. Periodical. 319,903; Dec. 11; Serial No. 354,745; published Oct. 2, 1934. Class 38.
Crescent Dental Mfg. Co., Chicago, Ill. Articles used in dentistry. 100,286; renewed Oct. 20, 1934.
Crocetta Brothers & Company, Inc., Gloversville, N. Y. Gloves. 319,966; Dec. 11. Class 39.
Curtis, Emma E., assignor to Emma E. Curtis, Melrose, Mass. Food preparation. 100,198; renewed Oct. 13, 1934.
Degea Aktiengesellschaft (Auergesellschaft.) (See Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, assignor.)
Dental-teen Laboratories. (See Eusey, M. V.)
Dermitone Manufacturing Co., Inc., New York, N. Y. Lotion and an ointment. 319,886; Dec. 11; Serial No. 353,752; published Oct. 2, 1934. Class 6.
Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, assignor to Degea Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Windshields for all travel craft. 319,948; Dec. 11; Serial No. 331,146; published Oct. 2, 1934. Class 19.
Diamond State Fibre Co., Elsmere, Del., assignor to Continental-Diamond Fibre Company, Newark, Del. Fiber sheets, rods, tubes, and disks. 103,419; renewed Apr. 6, 1935.
Dodge Brothers, assignor, by mesne assignments, to Chrysler Corporation, Detroit, Mich. Automobiles. 103,779; renewed Apr. 13, 1935.
Dodge, M. Hartley, New York, N. Y., assignor, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Lubricating-oils. 101,924; renewed Jan. 19, 1935.
E-Jay-R-Manufacturing Company. (See Reilly, Edward J.)
Eager, Frank R., Wilmette, Ill. Soaps. 319,925; Dec. 11; Serial No. 351,261; published Oct. 2, 1934. Class 4.
Earle, Marie, Inc., New York, N. Y. Lotions for the skin and face creams. 319,921; Dec. 11; Serial No. 350,630; published Oct. 2, 1934. Class 6.
Eastman Kodak Company, Rochester, N. Y. Photographic film. 101,373; renewed Dec. 8, 1934.
Engelman Gardens Products Marketing Association, Elsa, Tex., and St. Louis, Mo. Fresh citrus fruits. 319,893; Dec. 11; Serial No. 354,436; published Oct. 2, 1934. Class 46.
Eusey, M. V., doing business as Dental-teen Laboratories, Los Angeles, Calif. Tooth powder. 319,963; Dec. 11; Serial No. 355,098; published Oct. 2, 1934. Class 6.
Faber, Herman W., to Mamie C. Faber, St. Louis, Mo., successor. Sprudel salts, antiseptic tablets, ointment, and surgical dressing. 101,144; renewed Nov. 17, 1934.
Fant Milling Company. (See Gladney Milling Company.)
Ferro Enamel Corporation, The, Cleveland, Ohio. Cleaning compounds. 319,895; Dec. 11; Serial No. 354,507; published Oct. 2, 1934. Class 4.
Fitger Brewing Company, Duluth, Minn. Malt beverages. 319,912; Dec. 11; Serial No. 347,138; published Apr. 3, 1934. Class 48.
Florido & Co., Sanlucar de Barrameda, Spain. Wines. 319,907; Dec. 11; Serial No. 355,059; published Oct. 2, 1934. Class 47.
Franklin Simon, assignor to Franklin Simon & Co., Inc., New York, N. Y. Negligée shirt with collar attached. 103,449; renewed Apr. 6, 1935.
Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 319,953; Dec. 11; Serial No. 355,258; published Oct. 2, 1934. Class 47.
General Electric Company, Schenectady, N. Y. Elastic fluid turbines and parts thereof, gear wheels, hydraulic operators, etc. 319,932; Dec. 11; Serial No. 352,730; published Oct. 2, 1934. Class 23.
General Fireproofing Company, The, Youngstown, Ohio. Metallic filing cases and cabinets. 101,513; renewed Dec. 22, 1934.
General Refractories Company. (See Stevens Bros. & Co., assignor.)
Gladney Milling Company, by change of name to Fant Milling Company, Sherman, Tex. Wheat flour. 102,277; renewed Feb. 2, 1935.
Globe Brewing and Manufacturing Company. (See Gottlieb Bauernschmidt Straus Brewing Company, assignor.)
Globe Rubber & Tire Co., Inc. (See United & Globe Rubber Mfg. Companies, assignor.)
Gobeen Corporation of New Jersey, Newark, N. J. Spar varnish, flat white wall paint, and paint enamel. 319,904; Dec. 11; Serial No. 354,793; published Oct. 2, 1934. Class 16.
Gold Medal Baking Company, Inc., Philadelphia, Pa. Bread. 319,979; Dec. 11. Class 46.
Gottlieb Bauernschmidt Straus Brewing Company, assignor, by mesne assignments, to Globe Brewing and Manufacturing Company, Baltimore, Md. Lager beer. 103,853; renewed Apr. 20, 1935.
Greendale Brick Company, The. (See Hocking Valley Products Company, assignor.)
Gregg Company, Inc., The, Philadelphia, Pa. Paints, oils, and varnishes. 319,936; Dec. 11; Serial No. 344,781; published Oct. 2, 1934. Class 16.
Grifenhagen, Wilbur H., New York, N. Y. Wines. 319,954; Dec. 11; Serial No. 355,189; published Oct. 2, 1934. Class 47.
Gwinn Bros. & Co., Huntington, W. Va. Wheat flour. 319,894; Dec. 11; Serial No. 354,443; published Oct. 2, 1934. Class 46.
Harris & Ewing, Washington, D. C. Photographic portraits. 103,385; renewed Mar. 30, 1935.
Harris, Leonard A., Newark, N. J. Chemical preparations. 103,895; renewed Apr. 20, 1935.
Heath, L. S. & Sons, Robinson, Ill. Candy bars. 319,967; Dec. 11. Class 46.
Herold, Phil, Company, assignor to Herold Shoe Company, San Jose, Calif. Shoes. 100,328; renewed Oct. 20, 1934.
Hocking Valley Products Company, Columbus, assignor, by mesne assignments, to The Greendale Brick Company, Greendale, Ohio. Bricks. 102,686; renewed Feb. 23, 1935.
Houghton, E. F., & Co., Philadelphia, Pa. Lubricating oils. 319,964; Dec. 11; Serial No. 355,024; published Oct. 16, 1934. Class 15.
Hutchins Advertising Company, Inc., The, Rochester, N. Y. Nom de plume for publications. 319,957; Dec. 11; Serial No. 354,206; published Oct. 2, 1934. Class 38.
Illinois Midland Coal Company, to Peabody Coal Company, Chicago, Ill., successor. Coal. 101,170; renewed Nov. 17, 1934.
Iodine Pharmacal Co., Inc., New York, N. Y. Germicides, antiseptics, and mouth wash. 319,962; Dec. 11; Serial No. 355,026; published Oct. 2, 1934. Class 6.
Jacob, Otto, Neustadt/Haardt, Germany. Wines. 319,926; Dec. 11; Serial No. 351,409; published Oct. 2, 1934. Class 47.
Jaynes Drug Co., assignor, by mesne assignments, to United Drug Company, Boston, Mass. Insecticides. 101,396; renewed Dec. 8, 1934.
Jean Inc., Newark, N. J. Devils food mix, gingerbread mix, etc. 319,908; Dec. 11; Serial No. 355,068; published Oct. 2, 1934. Class 46.
Jolind, Inc., assignor to Blue Waltz, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 319,914; Dec. 11; Serial No. 343,074; published Oct. 2, 1934. Class 6.
Kaiser, Herbert M., New York, N. Y., assignor to May Hosiery Mills, Inc., Burlington, N. C. Hosiery. 319,928; Dec. 11; Serial No. 351,630; published Aug. 7, 1934. Class 39.
Kent Company, Inc., The. (See Vacuna Sales Co., assignor.)
Kentucky Tobacco Product Company, The, assignor to Tobacco By-Products & Chemical Corporation, Louisville, Ky., and Richmond, Va. Insecticides. 43,630; renewed Nov. 1, 1934.
Kirsch Company, Sturgis, Mich. Drapery hardware. 319,906; Dec. 11; Serial No. 354,938; published Oct. 2, 1934. Class 13.
Kirsch Company, Sturgis, Mich. Drapery hardware. 319,909; Dec. 11; Serial No. 354,939; published Oct. 2, 1934. Class 13.
Kondolf, Mathias R., New York, N. Y. Fiber cartons. 319,980; Dec. 11. Class 2.
Kortvelesy, Kalman J., Bayside, N. Y. Imitation handkerchiefs. 319,933; Dec. 11; Serial No. 353,335; published Sept. 25, 1934. Class 42.
Kraft-Phenix Cheese Corporation, Chicago, Ill. Animal-food ingredient of high vitamin G potency combined with an enzymic material. 319,961; Dec. 11. Serial No. 354,044; published Oct. 2, 1934. Class 46.
Kress, S. H., & Co., New York, N. Y. Mechanic's cleansing hand paste. 319,943; Dec. 11; Serial No. 340,563; published Oct. 2, 1934. Class 4.
Kroger Grocery & Baking Company, The, doing business as The Kroger Food Foundation, Cincinnati, Ohio. Publication containing recipes. 319,913; Dec. 11; Serial No. 347,184; published Oct. 2, 1934. Class 38.

Laboratoires du Docteur Maurice Leprince, Société à Responsabilité Limitée, Paris, France. Treatment in tablet form for all spasmodic conditions of the nervous system, etc. 319,902; Dec. 11; Serial No. 354,729; published Oct. 2, 1934. Class 6.
La Frienier, Elliott E., Los Angeles, Calif. Dental gold and porcelain teeth, abutments for teeth, teeth facings and crowns, etc. 319,923; Dec. 11; Serial No. 350,959; published Oct. 2, 1934. Class 44.
Liberty Foundries Company, Rockford, Ill. Automobile heaters and parts or accessories therefor. 319,901; Dec. 11; Serial No. 354,686; published Oct. 2, 1934. Class 19.
Life Savers, Inc., Port Chester, N. Y. Wintergreen flavored hard candy. 319,917; Dec. 11; Serial No. 349,286; published Oct. 2, 1934. Class 45.
Link-Belt Company, Chicago, Ill. Power chains and chain links. 319,888; Dec. 11; Serial No. 353,932; published Oct. 2, 1934. Class 13.
Lockheed Aircraft Corporation, Burbank, Calif. Aeroplanes and parts therefor not in other classes. 319,956; Dec. 11; Serial No. 354,210; published Oct. 2, 1934. Class 19.
Louisiana Rice Milling Company, Inc. (See Wall Rice Milling Company Limited, assignor.)
Macleay Estate Co., The, Portland, Oreg., assignor to Security Savings & Trust Company, Portland and Wedderburn, Oreg. Canned salmon. 99,229; renewed Aug. 25, 1934.
Manhattan-Kreole Products, Inc., New York and Brooklyn, N. Y. Shoe polish. 319,949; Dec. 11; Serial No. 325,589; published Oct. 2, 1934. Class 4.
Manhattan Shirt Co., The, New York, N. Y. Clothing of textile material. 103,906; renewed Apr. 20, 1935.
Marcy Company, The, Boston, Mass. Liver remedy. 104,073; renewed Apr. 27, 1935.
Marshall Canning Co. (See Western Grocery Company.)
Marshall Food Products Co. (See Western Grocery Company.)
Massillon Aluminum Co., The, Massillon, Ohio. Aluminum ware. 103,787; renewed Apr. 13, 1935.
Morey Mercantile Company, The, Denver, Colo. Writing tablets, wrapping paper, and toilet paper. 103,392; renewed Mar. 30, 1935.
Moseley & Motley Milling Co., Rochester, N. Y. Mixed feed and bran. 101,524; renewed Dec. 22, 1934.
Mumm, G. H., & Co., Rheims, France, assignor to Societe Vinicole de Champagne, Paris and Reims, France. Champagne wines and other sparkling wines. 97,877; renewed June 23, 1934.
Munk, Paul, & Company, Long Island City, N. Y. Cleanout plugs, trap screws, metal handles, etc. 319,941; Dec. 11; Serial No. 340,985; published Oct. 2, 1934. Class 13.
National Fruit Canning Co., Seattle, Wash. Canned fruits. 319,896; Dec. 11; Serial No. 354,519; published Oct. 2, 1934. Class 46.
National Toilet Company, Paris, Tenn. Cosmetic cream. 44,206; renewed Feb. 21, 1935.
National Toilet Company, Paris, Tenn. Face powder. 44,207; renewed Feb. 21, 1935.
Neat Foot Corporation, San Antonio, Tex. Shoe dressing. 319,931; Dec. 11; Serial No. 352 628; published Oct. 2, 1934. Class 4.
Neely, Harwell & Co., Nashville, Tenn. Work shirts, overalls, and textile jackets and jumpers. 95,932; renewed Mar. 24, 1934.
New Brunswick Breweries Limited, Fairville, St. John, New Brunswick, Canada. Ale, beer, stout, etc. 319,946; Dec. 11; Serial No. 338,429; published Mar. 6, 1934. Class 48.
Norfolk Packing Co., Norfolk, to Norfolk Packing Co., Plattsmouth, Nebr. Canned vegetables. 102,928; renewed Mar. 2, 1935.
Northern Jobbing Company, Chicago, Ill., New York, N. Y., and St. Paul, Minn. Clothing. 319,985; Dec. 11. Class 39.
Northwestern Yeast Company, Chicago, Ill. Yeast. 102,154–5; renewed Jan. 26, 1935.
Old Dutch Mills, Inc., New York, N. Y. Wines. 319,910; Dec. 11; Serial No. 342,762; published Nov. 28, 1933. Class 47.
Old Monastery Co., Inc., The, Rheims, N. Y. Champagne type cocktail. 319,952; Dec. 11; Serial No. 355,368; published Oct. 2, 1934. Class 47.
Omar Products Company. (See Schnelle, Mrs. Omar H.)
Organic Products Company, to Organic Preparations Co. Inc., Brooklyn, N. Y., successor. Restorative liquid-preparation remedy and a tonic. 104,104; renewrd Apr. 27, 1935.
Outdoor Publishing Corporation, The, New York, N. Y. Periodical and for a section of a periodical. 319,930; Dec. 11; Serial No. 351,929; published Oct. 2, 1934. Class 38.
Patons & Baldwins, Limited. (See Baldwin, J. and J., & Partners, Limited, assignor.)
Peabody Coal Company. (See Illinois Midland Coal Company.)
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Curtain rods and fixtures. 319,950; Dec. 11; Serial No. 355 443; published Oct. 2, 1934. Class 13.
Pestolator Corp., New York, N. Y. Insecticide sprayer. 319,960; Dec. 11; Serial No. 354,168; published Oct. 2, 1934. Class 23.
Pharmaceutical Specialty Co., The. (See Trott, Hazel M.)
Pollak, Henry, Inc., New York, N. Y. Paper hats. 319,973–4; Dec. 11; Class 39.
Practical Sales Producers, Inc., New York, N. Y. Advertising blotters. 319,885; Dec. 11; Serial No. 353,684; published Oct. 2, 1934. Class 37.
Reeves Manufacturing Company, The, Dover, Ohio. Sheet metal ash and garbage cans and water pails. 319,915; Dec. 11; Serial No. 348,357; published May 1, 1934. Class 2.
Regan, William A., Washington, D. C. Shoe polish and a general cleaning preparation and an abrasive detergent preparation. 319,918; Dec. 11; Serial No. 349,889; published Oct. 2, 1934. Class 4.
Reilly, Edward J., to E-Jay-R-Manufacturing Company, Baltimore, Md., successor. Liquid dyes for shoes, belts, gloves, etc. 101,009; renewed Nov. 3, 1934.
Remington Arms Company, Inc. (See Dodge, M. Hartley, assignor.)
Rhu-Lum-Gou Co., New York, to Rhu-Lum-Gŏu Co., Incorporated, Brooklyn, N. Y. Specific in rheumatism and a medicinal tonic. 100,889; renewed Oct. 27, 1934.
Riker & Hegeman Co., New York, N. Y., assignor, by mesne assignments, to United Drug Company, Boston, Mass. Preparations for laxatives, biliousness, etc. 102,982; renewed Mar. 9, 1935.
Round Oak Furnace Company, Dowagiac, Mich. Stoves and furnaces. 319,889; Dec. 11; Serial No. 353,945; published Oct. 2, 1934. Class 34.
Royal Packing Company, Los Angeles, Calif. Canned sweet red peppers. 319,958; Dec. 11; Serial No. 354,179; published Oct. 2, 1934. Class 46.
Royal Packing Company, Los Angeles, Calif. Canned chile peppers. 319,959; Dec. 11; Serial No. 354,178; published Oct. 2, 1934. Class 46.
Roybar & Company, Chicago, Ill. Paper towels and paper soap sold as a unit. 319,929; Dec. 11; Serial No. 351,652; published Aug. 7, 1934. Class 4.
Roystoer, F. S., Guano Co., Norfolk, Va. Fertilizers. 103,966; renewed Apr. 20, 1935.
Rust-Parker-Martin Company, Augusta, Maine and Duluth, Minn., by change of name to Rust-Parker Company, Duluth, Minn. Coffee. 101,330; renewed Nov. 24, 1934.
Schnelle, Mrs. Omar H., doing business as Omar Products Company, Columbus, Ohio. Wall-paper cleaner. 319,897; Dec. 11; Serial No. 354,525; published Oct. 2, 1934. Class 4.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Adhesive plaster and bandage and foot plaster. 319,899; Dec. 11; Serial No. 354,639; published Oct. 2, 1934. Class 44.
Security Savings & Trust Company. (See Macleay Estate Co., The, assignor.)
Semler, R. B., Inc., New York, N. Y. Hair tonic and shampoo. 319,900; Dec. 11; Serial No. 354,662; published Oct. 2 1934. Class 6.
Sheetz, Elic, Washington, D. C., assignor, by mesne assignments, to Elic Sheetz Candies Co., Chicago, Ill. Candy. 103,972; renewed Apr. 20, 1935.
Signal Printing Company. (See Wood, Eugene E.)
Simi-Laboratorium A. Richter Kom.-Ges. (See Berzinski & Richter, assignor.)
Simpson Bros. Products Company, Fort Worth, Tex. Stabilizers for sherbets and other frozen confections. 319 942; Dec. 11; Serial No. 340,667; published Oct. 2, 1934. Class 46.
Smithfield Ham and Products Company, Incorporated, The, Smithfield, Va. Devilled ham. 319,927; Dec. 11; Serial No. 351,526; published Oct. 2, 1934. Class 46.
Societe Vinicole de Champagne. (See Mumm, G. H., & Co., assignor.)
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 101,428–9; renewed Dec. 8, 1934.
Steele, James W., Kansas City, Mo. Collar supporting and reinforcing devices. 319,983; Dec. 11. Class 37.
Steelweld Machinery Company, The, Cleveland, Ohio. Metal forming machines. 319,984; Dec. 11. Class 23.
Stern, Dave, Paterson, N. J. Tires and tire tubes. 319,890; Dec. 11; Serial No. 353,956; published Oct. 2 1934. Class 35.
Stetson, John B., Company, Philadelphia, Pa. Hats. 319,971; Dec. 11. Class 39.
Stevens Bros. & Co., Stevens Pottery, Ga., assignor to General Refractories Company, Philadelphia, Pa. Fire brick. 101,802; renewed Jan. 12, 1935.
Strohmeyer & Arpe Company, New York, N. Y. Foods. 102 768[70; renewed Feb. 23, 1935.
Strohmeyer & Arpe Company, New York, N. Y. Foods. 102,768–70; renewed Feb. 23, 1935.
Tobacco By-Products & Chemical Corporation. (See Kentucky Tobacco Product Company, The, assignor.)
Trott, Hazel M., doing business as The Pharmaceutical Specialty Co., Hemlock, N. Y. Preparation for the relief of asthma and hay fever. 319,955; Dec. 11; Serial No. 355,125; published Oct. 2, 1934. Class 6.
Tsungani Piston Company, Tacoma, Wash. Pistons. 319,945; Dec. 11; Serial No. 339,332; published Oct. 2, 1934. Class 23.
Union Bag & Paper Corporation. (See Badger Bag & Paper Co., assignor.)
United Drug Company. (See Jaynes Drug Co., assignor.)
United Drug Company. (See Riker & Hegeman Co.)

United Drug Company, assignor, by mesne assignments, to United Drug Company, Boston, Mass. Stove polish and straw-hat cleaner. 102,932; renewed March 2, 1935.

United & Globe Rubber Mfg. Companies, assignor, by mesne assignments, to Globe Rubber & Tire Co., Inc., Trenton, N. J. Non-metallic tires. 96,739; renewed Apr. 28, 1934.

Vacuna Sales Co., New York, assignor, by mesne assignments, to The Kent Company, Inc., Rome, N. Y. Machine for polishing, waxing, etc., floors and parts thereof. 103,231; renewed Mar. 23, 1935.

Van Cleef Bros., Chicago, Ill. Cellulosic material for waterproofing cracks, etc. 319,972; Dec. 11. Class 4.

Vandam, Albert H., Co., Inc., New York, N. Y. Piece goods. 319,975–6; Dec. 11. Class 42.

Vaughan Paint Company, The, Cleveland, Ohio. Paints and painters' materials. 103,577; renewed Apr. 6, 1935.

Wabasha Roller Mills Company, The, Wabasha, Minn. Wheat flour. 103,402; renewed Mar. 30, 1935.

Wall Rice Milling Company Limited, Lake Charles, assignor, by mesne assignments, to Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 44,081–3; renewed Jan. 31, 1935.

Wallace & Co., Brooklyn and New York, to Wallace & Co., Brooklyn, N. Y. Chocolates and candies. 103,015; renewed Mar 16, 1935.

Wallace Pencil Company, Maplewood, Mo. Pencils. 319,938; Dec. 11; Serial No. 344,030; published Oct. 2, 1934. Class 37.

Walters, Jerry P., Garfield, N. J. Frozen confection. 319,940; Dec. 11; Serial No. 353,586; published Oct. 2, 1934. Class 46.

Wax & Vitale, Genoa, Italy. Preserved fish and vegetable. 319,937; Dec. 11; Serial No. 345,617; published Oct. 2, 1934. Class 46.

Wehle Brewing Company, The, West Haven, Conn. Lager beer. 319,924; Dec. 11; Serial No. 350,874; published June 12, 1934. Class 48.

Western Grocery Company, doing business as Marshall Canning Co. and Marshall Food Products Co., Marshalltown, Iowa. Catsup, flour, corn meal, and wheat cereal flour. 319,922; Dec. 11; Serial No. 350,732; published Oct. 2, 1934. Class 46.

Westfield Manufacturing Company. (See Broadwell, Edward H., receiver.)

Wood, Eugene E., doing business as Signal Printing Company, Hilton Village, Va. Printed forms. 319,892; Dec. 11; Serial No. 354,361; published Oct. 2, 1934. Class 2.

Wooldridge, Robert A., Company, The, assignor, by mesne assignments, to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 99,673; renewed Sept. 8, 1934.

Zwieg, F. W., & Son, Fort Collins, Colo. Whole wheat cereal. 319,978; Dec. 11. Class 46.

LIST OF REGISTRANTS OF LABELS

Augenblick, M. & Bro., Inc., Newark, N. J. Tulip Pasteurized Pure Creamery Butter. For Butter. 44,717; Dec. 11.

Bird & Son, Inc., East Walpole, Mass. Perfectfit. For Footwear. 44,718; Dec. 11.

Brill, H. C., Co., Inc., Newark, N. J. E-Zee Oca. For Desserts. 44,719; Dec. 11.

Brown, Benjamin, New York, N. Y. Producer-Consumer. For Eggs. 44,720; Dec. 11.

Cataract Brewing Co., Inc., of Rochester, N. Y., Rochester, N. Y. Canandiagua Royal Stout. For Stout. 44,721; Dec. 11.

Claff, M. B. & Sons, Inc., Randolph and Brockton, Mass. Lady Lillian (Beautiful Shoes). For Shoes. 44,722; Dec. 11.

Crescent Products Co., The, Terre Haute, Ind. Chicago Wall Paper Cleaner. For Wall-Paper Cleaner. 44,723; Dec. 11.

Cunha Bros. Co. (See Farm Products Sales Co., Inc., assignor.)

Duval Mercantile Corporation, Jacksonville, Fla. Suwannee River Distilled Dry Gin. For Distilled Dry Gin. 44,724; Dec. 11.

Duval Mercantile Corporation, Jacksonville, Fla. King Monogram Straight Bourbon Whiskey. For Straight Bourbon Whiskey. 44,725; Dec. 11.

Duval Mercantile Corporation, Jacksonville, Fla. King Monogram Straight Whiskey. For Straight Whiskey. 44,726; Dec. 11.

Duval Mercantile Corporation, Jacksonville, Fla. Dixie's Old "89" Brand Straight Whiskey. For Straight Whiskey. 44,727; Dec. 11.

Farm Products Sales Co., Inc., assignor to Cunha Bros. Co., Hayward, Calif. Garden of Eden Farms Brand. For Sweet Telephone Peas. 44,728; Dec. 11.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Harvest Brew. For Lager Beer. 44,729; Dec. 11.

Fredonia Seed Company, Fredonia, N. Y. Velvet Lawn Seed. For Lawn Seed. 44,730; Dec. 11.

Hellman Company, Inc., The, St. Louis, Mo. Hellman's Original Old Crow Brand. For Whiskey. 44,731; Dec. 11.

King Candy Company, Fort Worth, Tex. Rodeo. For Candy. 44,732; Dec. 11.

Kops Bros., Inc., New York, N. Y. Callipygian. For Foundation Garments. 44,733; Dec. 11.

Kosher Zion Sausage Co., Chicago, Ill. Kosher Beef Braten. For Baked Beef. 44,734; Dec. 11.

Long, W. E., Co., The, Chicago, Ill. Holsum Bread. For Bread. 44,735; Dec. 11.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Sunshine Milko-Malt. For Crackers. 44,736; Dec. 11.

Marvo Manufacturing Company, Indianapolis, Ind. Marvo Gas Oil. For a Gasoline Energizer and Carbon Preventative. 44,738; Dec. 11.

McFarlane, Douglas, & Co., Glasgow, Scotland. The Royal Liqueur O. V. S. For Scotch Whisky. 44,737; Dec. 11.

Moore, Thos., Distributing Company, McKeesport, Pa. Thos. Moore. For Straight Rye Whiskey. 44,739; Dec. 11.

Moore, Thos., Distributing Company, McKeesport, Pa. Sam Brown. For Straight Rye Whiskey. 44,740; Dec. 11.

Municipal Shoe Co. Inc., Brooklyn, N. Y. Treasure Island Shoes. For Shoes. 44,741; Dec. 11.

North Pole Brewing Company, The, Fairmont, W. Va. North Pole. For Beer. 44,742; Dec. 11.

Peterson, Norris, Clifton, N. J. Destructo Fly and Pest Killer. For a Laboratory-Developed Product for Killing Flies, Mosquitoes, Roaches, Ants, and Other Insect Pests. 44,743; Dec. 11.

Pfunder, F. H., Inc., Minneapolis, Minn. Ffundrin. For Tablets for the Relief of Pain. 44,744; Dec. 11.

Ruppert, Jacob, New York, N. Y. Jacob Ruppert Ruppiner Beer. For Beer. 44,745; Dec. 11.

Sea Gull Specialty Company, The, Baltimore, Md. Doe-Rize. For Baking Powder. 44,746; Dec. 11.

Standard Brands Incorporated, New York, N. Y. "Royal" (2 Oz. Size). For Baking Powder. 44,747; Dec. 11.

Standard Brands Incorporated, New York, N. Y. "Royal" (4 Oz. Size). For Baking Powder. 44,748; Dec. 11.

Standard Brands Incorporated, New York, N. Y. "Royal" (6—12—16 Oz. Sizes and 2½ and 5 Lb. Sizes). For Baking Powder. 44,749; Dec. 11.

Standard Brands Incorporated, New York, N. Y. Tender Leaf. For Tea. 44,750; Dec. 11.

Sure-Fit Products Co., Philadelphia, Pa. Life Time Guarantee. For Mattress Covers. 44,751; Dec. 11.

Texcraft Toy Products, Inc., New York, N. Y. Reducing or Enlarging Pantograph. For Pantographs. 44,752; Dec. 11.

Train & McIntyre, Ltd., Glasgow, Scotland. Old Angus. For Scotch Whiskey. 44,753; Dec. 11.

Wesco Foods Company, Cincinnati, Ohio. Clifton Tissue. For Toilet Tissue. 44,754; Dec. 11.

LIST OF REGISTRANTS OF PRINTS

Drewrys Ltd. U. S. A., The, Chicago, Ill. Drewrys October Ale. For Ale. 14,934; Dec. 11.

Kelley, Wingate, Frankfort, Ky. The Ozone Shoe. For Shoes. 14,935; Dec. 11.

Preulx, Hermas A., Ottawa, Ontario, Canada. Hockey Stick Design Chart. For Hockey Sticks. 14,936; Dec. 11.

Ralston Purina Company, St. Louis, Mo. Now-Made in Indiana. For Chows Feed. 14,937; Dec. 11.

Ralston Purina Company, St. Louis, Mo. A Complete Feed in One Bag—For More Eggs. For Chicken Feed. 14,938; Dec. 11.

Ralston Purina Company, St. Louis, Mo. 100 Lbs. of Pig and Hog Chow Saves 12 Bushels of Corn. For Pig and Hog Feed. 14,939; Dec. 11.

Tsungani Piston Company, Tacoma, Wash. Eccentric pistons. For Pistons. 14,940; Dec. 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Illinois Midland Coal Company. 101,170; renewed Nov. 17, 1934.

Fiber sheets, rods, tubes, and disks. Diamond State Fibre Co. 103,419; renewed Apr. 6, 1935.

CLASS 2

Bags, Paper. Badger Bag & Paper Co. 102,504; renewed Feb. 9, 1935.

Cans and water pails Ash and garbage. Reeves Manufacturing Company. 319,915; Dec. 11; Serial No. 348,357; published May 1, 1934.

Cartons, Fiber. M. R. Kondolf. 319,980; Dec. 11.

CLASS 4

Cellulosic material for waterproofing cracks, etc. Van Cleef Bros. 319,972; Dec. 11.

Cleaner, Wall-paper. Mrs. O. H. Schnelle. 319,897; Dec. 11; Serial No. 354,525; published Oct. 2, 1934.

Cleaning compounds. Ferro Enamel Corporation. 319,895; Dec. 11; Serial No. 354,507; published Oct. 2, 1934.

Cleansing hand paste. Mechanic's. S. H. Kress & Co. 319,943; Dec. 11; Serial No. 340,563; published Oct. 2, 1934.

Dressing, Shoe. Neat Foot Corporation. 319,931; Dec. 11; Serial No. 352,628; published Oct. 2, 1934.

Paper towels and paper soap sold as a unt. Roybar & Company. 319,929; Dec. 11; Serial No. 351,652; published Aug. 7, 1934.

Polish and a general cleaning preparation and an abrasive detergent preparation, Shoe. W. A. Regan. 319,918; Dec. 11; Serial No. 349,889; published Oct. 2, 1934.

Polish and oil coloring for leather. Boyer & Co. 102,889; renewed Mar. 2, 1935.

Polish and straw-hat cleaner, Stove. United Drug Company. 102,932; renewed Mar. 2, 1935.

Polish for leather. Boyer & Co. 102,888; renewed Mar. 2, 1935.

Polish, Shoe. Manhattan-Kreole Products, Inc. 319,949; Dec. 11; Serial No. 325,589; published Oct. 2, 1934.

Preparations in the nature of a beard softener. Campana Corporation. 319,916; Dec. 11; Serial No. 348,088; published May 22, 1934.

Shaving creams, sticks and powders, outfit packages, etc. Ace Manufacturing Company. 391,947; Dec. 11; Serial No. 335,409; published Oct. 2, 1934.

Soaps. F. R. Eager. 319,925; Dec. 11; Serial No. 351,261; published Oct. 2, 1934.

CLASS 6

Astringents, astringent cerates, bleach creams, etc. Jolind. 319,914; Dec. 11; Serial No. 348,074; published Oct. 2, 1934.

Chemical preparations. L. A. Harris. 103,895; renewed Apr. 20, 1935.

Colors Coal-tar. Society of Chemical Industry in Basle. 101,428–9; renewed Dec. 8, 1934.

Cream, Cosmetic. National Toilet Company. 44,206; renewed Feb. 21, 1935.

Dyes for shoes, belts, gloves, etc., Liquid. E. J. Reilly. 101,009; renewed Nov. 3, 1934.

Germicides, antiseptics, and mouth wash. Iodine Pharmacal Co. 319,962; Dec. 11; Serial No. 355 026; published Oct. 2, 1934.

Hair tonic and shampoo. R. B. Semler. 319,900; Dec. 11; Serial No. 354,662; published Oct. 2, 1934.

Insecticides. Jaynes Drug Co. 101,396; renewed Dec. 8, 1934.

Insecticides. Kentucky Tobacco Product Company. 43,630; renewed Nov. 1, 1934.

Liver remedy. Marcy Company. 104,073; renewed Apr. 27, 1935.

Lotion and an ointment. Dermitone Manufacturing Co. 319,886; Dec. 11; Serial No. 353,752; published Oct. 2, 1934.

Lotions and face creams. M. Earle. 319,921; Dec. 11; Serial No. 350,630; published Oct. 2, 1934.

Lotions, creams, and powders, Skin. Berzinski & Richter. 43,779; renewed Nov. 29, 1934.

Lozenges or other medicinal preparations. Burroughs, Wellcome & Co. 11,993; re-renewed Mar. 10, 1935.

Lye and chemical soda products. Buckeye Soda Company. 319,898; Dec. 11; Serial No. 354,597; published Oct. 2, 1934.

Medical preparation. A. J. Anderson. 100,074; renewed Oct. 6, 1934.

Powder, Face. National Toilet Company. 44,207; renewed Feb. 21, 1935.

Preparation for the relief of asthma and hay fever. H. M. Trott. 319,955; Dec. 11; Serial No. 355,125; published Oct. 2, 1934.

Preparations for laxatives, biliousness, etc. Riker & Hegeman Co. 102,982; renewed Mar. 9, 1935.

Restorative liquid-preparation remedy and a tonic. Organic Products Company. 104,104; renewed Apr. 27, 1935.

Salts, antiseptic tablets, ointment, and surgical dressing. H. W. Faber. 101,144; renewed Nov. 17, 1934.

Specific in rheumatism and a medicinal tonic. Rhu-Lum-Gou Co. 100,889; renewed Oct. 27, 1934.

Tablet for disorders of the liver and for constipation. B. L. Cole. 100,956; renewed Nov. 3, 1934.

Tooth powder. M. V. Eusey. 319,963; Dec. 11; Serial No. 355,098; published Oct. 2, 1934.

Treatment in tablet form for all spasmodic conditions of the nervous system. Laboratoires du Docteur Maurice Leprince, Société à Responsabilité Limitée. 319,902; Dec. 11; Serial No. 354,729; published Oct. 2, 1934.

CLASS 10

Fertilizers. American Agricultural Chemical Co. 99,678; renewed Sept. 15, 1934.

Fertilizers. F. S. Royster Guano Co. 103,966; renewed Apr. 20, 1935.

Fertilizers. Robert A. Wooldridge Company. 99,673; renewed Sept. 8, 1934.

CLASS 12

Brick, Fire. Stevens Bros. & Co. 101,802; renewed Jan. 12, 1935.

Bricks. Hocking Valley Products Company. 102,686; renewed Feb. 23, 1935.

CLASS 13

Aluminum ware. Massillon Aluminum Co. 103,787; renewed Apr. 13, 1935.

Chains and chain links, Power. Link-Belt Company. 319,888; Dec. 11; Serial No. 353,932; published Oct. 2, 1934.

Curtain rods and fixtures. J. C. Penney Company. 319,950; Dec. 11; Serial No. 355,443; published Oct. 2, 1934.

Hardware, Drapery. Kirsch Company. 319,906; Dec. 11; Serial No. 354,938; published Oct. 2, 1934.

Hardware, Drapery. Kirsch Company. 319,909; Dec. 11; Serial No. 354,939; published Oct. 2, 1934.

Nozzles, Air blow gun. C. A. Claflin Co. 319,968; Dec. 11.

Plugs, trap screws, metal handles, etc., Clean-out. Paul Munk & Company. 314,941; Dec. 11; Serial No. 340,985; published Oct. 2, 1934.

CLASS 15

Oils, Lubricating. M. H. Dodge. 101,924; renewed Jan. 19, 1935.

Oils, Lubricating. E. F. Houghton & Co. 319,964; Dec. 11; Serial No. 355,024; published Oct. 16, 1934.

CLASS 16

Paints and painters' materials. Vaughan Paint Company. 103,577; renewed Apr. 6, 1935.

Paints, oils, and varnishes. Gregg Company. 319,936; Dec. 11; Serial No. 344,781; published Oct. 2, 1934.

Varnish, flat white wall paint, and paint enamel, Spar. Goheen Corporation of New Jersey. 319,904; Dec. 11; Serial No. 354,793; published Oct. 2, 1934.

CLASS 19

Aeroplanes and parts therefor not included in other classes. Lockhead Aircraft Corporation. 319,956; Dec. 11; Serial No. 354,210; published Oct. 2, 1934.

Automobile heaters and parts or accessories therefor. Liberty Foundries Company. 319,901; Dec. 11; Serial No. 354,686; published Oct. 2, 1934.

Automobiles. Dodge Brothers. 103,779; renewed Apr. 13, 1935.

Bicycles. E. H. Broadwell. 319,981; Dec. 11.

Windshields for all travel craft. Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 319,948; Dec. 11; Serial No. 331,146; published Oct. 2, 1934.

CLASS 23

Machine for polishing, waxing, etc., floors, and parts thereof. Vacuna Sales Co. 103,251; renewed Mar. 23, 1935.

Machines, Metal forming. Steelweld Machinery Company. 319,984; Dec. 11.

Pistons. Tsungani Piston Company. 319,945; Dec. 11; Serial No. 339,332; published Oct. 2, 1934.

Plows, moldboards, landsides, etc. C. Billups. 96,231–5; renewed Apr. 14, 1934.

Plows, moldboards, landsides, etc. C. Billups. 96,634; renewed Apr. 28, 1934.

Sprayer, Insecticide. Pestolator Corp. 319,960; Dec. 11; Serial No. 354,168; published Oct. 2, 1934.

Turbines and parts thereof, gear wheels, hydraulic operators, etc., Elastic fluid. General Electric Company. 319,932; Dec. 11; Serial No. 352,730; published Oct. 2, 1934.

CLASS 25

Locks and parts thereof and safes. American Hardware Corporation. 103,605–7; renewed Apr. 6, 1935.

CLASS 26

Film, Photographic. Eastman Kodak Company. 101,373; renewed Dec. 8, 1934.

CLASS 28

Jewelry. Cheever, Tweedy & Co. 319,951; Dec. 11; Serial No. 355,431; published Oct. 2, 1934.

CLASS 32

Cases and cabinets, Metallic filing. General Fireproofing Company. 101,518; renewed Dec. 22, 1934.

CLASS 34

Stoves and furnaces. Round Oak Furnace Company. 319,889; Dec. 11; Serial No. 353,945; published Oct. 2, 1934.

CLASS 35

Tires and tire tubes. D. Stern. 319,890; Dec. 11; Serial No. 353,956; published Oct. 2, 1934.
Tires, Non-metallic. United & Globe Rubber Mfg. Companies. 96,739; renewed Apr. 28, 1934.

CLASS 37

Blotters, Advertising. Practical Sales Producers, Inc. 319,885; Dec. 11; Serial No. 353,684; published Oct. 2, 1934.
Collar supporting and reinforcing devices. J. W. Steele. 319,983; Dec. 11.
Forms, Printed. E. E. Wood. 319,892; Dec. 11; Serial No. 354,361; published Oct. 2, 1934.
Paper, Cover. Beveridge Paper Company. 319,977; Dec. 11.
Pencils. Wallace Pencil Company. 319,938; Dec. 11; Serial No. 344,030; published Oct. 2, 1934.
Tablets, wrapping-paper, and toilet-paper, Writing. Morey Mercantile Company. 103,392; renewed Mar. 30, 1935.
Tissues, Cleansing. Borun Bros. 319,970; Dec. 11.

CLASS 38

Magazine. American Brewers' Review Company. 319,944; Dec. 11; Serial No. 339,854; published Dec. 19, 1933.
Nom de plume for publications. Hutchins Advertising Company. 319,957; Dec. 11; Serial No. 354,206; published Oct. 2, 1934.
Periodical. Atlas Publishing Company. 319,911; Dec. 11; Serial No. 3459,32; published Oct. 2, 1934.
Periodical. Cotton Digest Publishing Company. 319,903; Dec. 11; Serial No. 354,745; published Oct. 2, 1934.
Periodical and for a section of a periodical. Outdoor Publishing Corporation. 319,930; Dec. 11; Serial No. 351,929; published Oct. 2, 1934.
Portraits, Photographic. Harris & Ewing. 103,385; renewed Mar. 30, 1935.
Publication containing recipes. Kroger Grocery & Baking Company. 319,913; Dec. 11; Serial No. 347,184; published Oct. 2, 1934.

CLASS 39

Clothing. Northern Jobbing Company. 319,985; Dec. 11.
Clothing, Infants' and ladies'. Best & Company. 102,704; renewed Feb. 23, 1935.
Clothing of textile material. Manhattan Shirt Co. 103,906; renewed Apr. 20, 1935.
Gloves. Crocetta Brothers & Company, Inc. 319,966; Dec. 11.
Hats. John B. Stetson Company. 319,971; Dec. 11.
Hats, Paper. Henry Pollak, Inc. 319,973–4; Dec. 11.
Hosiery. Herbert M. Kaiser. 319,928; Dec. 11; Serial No. 351,630; published Aug. 7, 1934.
Shirt with collar attached, Negligée. Franklin Simon. 103,449; renewed Apr. 6, 1935.
Shirts, overalls, and textile jackets and jumpers, Work. Neely, Harwell & Co. 95,932; renewed Mar. 24, 1934.
Shoes. Bloomingdale Bros. 319,969; Dec. 11.
Shoes. Phil Herold Company. 100,328; renewed Oct. 20, 1934.

CLASS 42

Handkerchiefs. C. L. Basner. 319,891; Dec. 11; Serial No. 354,019; published Sept. 25, 1934.
Handkerchiefs, Imitation. K. J. Kortvelesy. 319,933; Dec. 11; Serial No. 353,335; published Sept. 25, 1934.
Piece goods. Albert H. Vandam Co. 319,975–6; Dec. 11.
Sheets and pillowcases. Cannon Mills Company. 319,965; Dec. 11.

CLASS 43

Yarns. J. and J. Baldwin & Partners, Limited. 103,883; renewed Apr. 20, 1935.

CLASS 44

Articles used in dentistry. Crescent Dental Mfg. Co. 100,286; renewed Oct. 20, 1934.
Gauze, Bleached. Carson, Pirie, Scott & Co. 101,035; renewed Nov. 10, 1934.
Plaster, Adhesive, bandage and foot. Scholl Mfg. Co. Inc. 319,899; Dec. 11; Serial No. 354,639; published Oct. 2, 1934.
Surgical appliances. Corliss Limb Specialty Co. 103,379; renewed Mar. 30, 1935.
Teeth, abutments for teeth, teeth facings and crowns, etc., Dental gold and porcelain. E. E. La Frenier. 319,923; Dec. 11; Serial No. 350,959; published Oct. 2, 1934.

CLASS 46

Alimentary pastes. Columbia Macaroni Manufacturing Company. 319,887; Dec. 11; Serial No. 353,881; published Oct. 2, 1934.
Alimentary pastes. Columbia Macaroni Manufacturing Company. 319,905; Dec. 11; Serial No. 353,880; published Oct. 2, 1934.
Animal-food ingredient of high-vitamin potency combined with an enzymic material. Kraft-Phenix Cheese Corporation. 319,961; Dec. 11; Serial No. 354,044; published Oct. 2, 1934.
Bread. Gold Medal Baking Company. 319,979; Dec. 11.
Candy. E. Sheetz. 103,972; renewed Apr. 20, 1935.
Candy bars. L. S. Heath & Sons. 319,967; Dec. 11.
Candy, Wintergreen-flavored hard. Life Savers, Inc. 319,917; Dec. 11; Serial No. 349,286; published Oct. 2, 1934.
Canned chile peppers. Royal Packing Company. 319,959; Dec. 11; Serial No. 354,178; published Oct. 2, 1934.
Canned fruits. National Fruit Canning Co. 319,896; Dec. 11; Serial No. 354,519; published Oct. 2, 1934.
Canned salmon. Macleay Estate Co. 99,229; renewed Aug. 25, 1934.
Canned sweet red peppers. Royal Packing Company. 319,958; Dec. 11; Serial No. 354,179; published Oct. 2, 1934.
Canned vegetables. Norfolk Packing Co. 102,928; renewed Mar. 2, 1934.
Catsup, flour, corn meal, and wheat cereal flour. Western Grocery Company. 319,922; Dec. 11; Serial No. 350,832; published Oct. 2, 1934.
Cereal, Wholewheat. F. W. Zwieg & Son. 319,978; Dec. 11.
Chocolates and candies. Wallace & Co. 103,015; renewed Mar. 16, 1935.
Coffee. Rust-Parker-Martin Company. 101,330; renewed Nov. 24, 1934.
Confection, Frozen. J. P. Walters. 319,940; Dec. 11; Serial No. 353,586; published Oct. 2, 1934.
Cornmeal. Chas. Broeker & Co. 102,783; renewed Feb. 23, 1935.
Devil's food mix, gingerbread mix, etc. Jean Inc. 319,908; Dec. 11; Serial No. 355,068; published Oct. 2, 1934.
Feed and bran, Mixed. Moseley & Motley Milling Co. 101,524; renewed Dec. 22, 1934.
Fish and vegetable, Preserved. Wax & Vitale. 319,937; Dec. 11; Serial No. 345,617; published Oct. 2, 1934.
Flour. A. D. W. Food Products Co. 319,982; Dec. 11.
Flour, Wheat. Gladney Milling Company. 102,277; renewed Feb. 2, 1935.
Flour, Wheat. Gwinn Bros. & Co. 319,894; Dec. 11; Serial No. 354,443; published Oct. 2, 1934.
Flour, Wheat. Wabasha Roller Mills Company. 103,402; renewed Mar. 30, 1935.
Food preparation. E. E. Curtis. 100,198; renewed Oct. 13, 1934.
Foods. Strohmeyer & Arpe Company. 102,768–70; renewed Feb. 23, 1935.
Foods. Strohmeyer & Arpe Company. 103,188; renewed Mar. 16, 1935.
Fruits, Fresh citrus. Engelman Gardens Products Marketing Association. 319,893; Dec. 11; Serial No. 354,436; published Oct. 2, 1934.
Ham, Deviled. Smithfield Ham and Products Company. 319,927; Dec. 11; Serial No. 351,526; published Oct. 2, 1934.
Milk, Evaporated. Carnation Company. 319,934–5; Dec. 11; Serial Nos. 353,465–6; published Oct. 2, 1934.
Rice. Wall Rice Milling Company Limited. 44,081–3; renewed Jan. 31, 1935.
Stabilizers for sherbets and other frozen confections. Simpson Bros. Products Company. 319,942; Dec. 11; Serial No. 340,667; published Oct. 2, 1934.
Yeast. Northwestern Yeast Company. 102,154–5; renewed Jan. 26, 1935.

CLASS 47

Cocktail, Champagne type. Old Monastery Co. 319,952; Dec. 11; Serial No. 355,368; published Oct. 2, 1934.
Wines. Califruit Wineries, Inc. 319,939; Dec. 11; Serial No. 342,522; published Dec. 12, 1933.
Wines. Florido & Co. 319,907; Dec. 11; Serial No. 355,059; published Oct. 2, 1934.
Wines. Fruit Industries. 319,953; Dec. 11; Serial No. 355,258; published Oct. 2, 1934.
Wines. W. H. Grifenhagen. 319,954; Dec. 11; Serial No. 355,189; published Oct. 2, 1934.
Wines. O. Jacob. 319,926; Dec. 11; Serial No. 351,409; published Oct. 2, 1934.
Wines. Old Dutch Mills, Inc. 319,910; Dec. 11; Serial No. 342,762; published Nov. 28, 1933.
Wines and other sparkling wines, Champagne. G. H. Mumm & Co. 97,877; renewed June 23, 1934.

CLASS 48

Ale, beer, stout, etc. New Brunswick Breweries Limited. 319,946; Dec. 11; Serial No. 338,429; published Mar. 6, 1934.
Beer, Lager. Gottlieb Bauernschmidt Straus Brewing Company. 103,853; renewed Apr. 20, 1935.
Beer, Lager. Wehle Brewing Company. 319,924; Dec. 11; Serial No. 350,874; published June 12, 1934.
Malt beverages. Fitger Brewing Company. 319,912; Dec. 11; Serial No. 347,138; published Apr. 3, 1934.

CLASS 49

Whiskey. American Medicinal Spirits Company. 319,919–20; Dec. 11; Serial Nos. 349,964–5; published May 29, 1934.

LIST OF LABELS

Callipygian. For Foundation Garments. Kops Bros., Inc 44,733; Dec. 11.
Canandiagua Royal Stout. For Stout. Cataract Brewing Co., Inc., of Rochester, N. Y. 44,721; Dec. 11.
Chicago Wall Paper Cleaner. For Wall-Paper Cleaner. Crescent Products Co. 44,723; Dec. 11.
Clifton Tissue. For Toilet Tissue. Wesco Foods Company. 44,754; Dec. 11.
Destructo Fly and Pest Killer. For a Laboratory-Developed Product for Killing Flies, Mosquitoes, Roaches Ants, and Other Insect Pests. N. Peterson. 44,743; Dec. 11.
Dixie's Old "89" Brand Straight Whiskey. For Straight Whiskey. Duval Mercantile Corporation. 44,727; Dec. 11.
Doe-Rize. For Baking Powder. Sea Gull Specialty Company. 44,746; Dec. 11.
E-Zee Oca. For Desserts. H. C. Brill Co. 44,719; Dec. 11.
Garden of Eden Farms Brand. For Sweet Telephone Peas. Farm Products Sales Co. 44,728; Dec. 11.
Hellman's Original Old Crow Brand. For Whiskey. Hellman Company. 44,731; Dec. 11.
Holsum Bread. For Bread. W. E. Long Co. 44,735; Dec. 11.
Jacob Ruppert Ruppiner Beer. For Beer. J. Ruppert. 44,745; Dec. 11.
King Monogram Straight Bourbon Whiskey. For Straight Bourbon Whiskey. Duval Mercantile Corporation. 44,725; Dec. 11.
King Monogram Straight Whiskey. For Straight Whiskey. Duval Mercantile Corporation. 44,726; Dec. 11.
Kosher Beef Braten. For Baked Beef. Kosher Zion Sausage Co. 44,734; Dec. 11.
Lady Lillian (Beautiful Shoes). For Shoes. M. B. Claff & Sons, Inc. 44,722; Dec. 11.
Life Time Guarantee. For Mattress Covers. Sure-Fit Products Co. 44,751; Dec. 11.
Marvo Gas Oil. For a Gasoline Energizer and Carbon Preventative. Marvo Manufacturing Company. 44,738; Dec. 11.
North Pole. For Beer. North Pole Brewing Company. 44,742; Dec. 11.
Old Angus. For Scotch Whiskey. Train & McIntyre, Ltd. 44,753; Dec. 11.
Perfectfit. For Footwear. Bird & Son, Inc. 44,718; Dec. 11.
Pfundrin. For Tablets for the Relief of Pain. F. H. Pfunder, Inc. 44,744; Dec. 11.
Producer-Consumer. For Eggs. B. Brown. 44,720; Dec. 11.
Reducing or Enlarging Pantograph. For Pantographs. Texcraft Toy Products, Inc. 44,752; Dec. 11.
Rodeo. For Candy. King Candy Company. 44,732; Dec. 11.
"Royal" (2 Oz. Size). For Baking Powder. Standard Brands Incorporated. 44,747; Dec. 11.
"Royal" (4 Oz. Size). For Baking Powder. Standard Brands Incorporated. 44,748; Dec. 11.
"Royal" (6—12—16 Oz. Sizes and 1½ and 5 Lb. Sizes). For Baking Powder. Standard Brands Incorporated. 44,749; Dec. 11.
Sam Brown. For Straight Rye Whiskey. Thos. Moore Distributing Company. 44,740; Dec. 11.
Sunshine Milko-Malt. For Crackers. Loose-Wiles Biscuit Company. 44,736; Dec. 11.
Suwannee River Distilled Dry Gin. For Distilled Dry Gin. Duval Mercantile Corporation. 44,724; Dec. 11.
Tender Leaf. For Tea. Standard Brands Incorporated. 44,750; Dec. 11.
The Royal Liqueur O. V. S. For Scotch Whiskey. Douglas McFarlane & Co. 44,737; Dec. 11.
Thos. Moore. For Straight Rye Whiskey. Thos. Moore Distributing Company. 44,739; Dec. 11.
Treasure Island Shoes. For Shoes. Municipal Shoe Co. Inc. 44,741; Dec. 11.
Tulip Pasteurized Pure Creamery Butter. For Butter. M. Augenblick & Bro., Inc. 44,717; Dec. 11.
Velvet Lawn Seed. For Lawn Seed. Fredonia Seed Company. 44,730; Dec. 11.
Waldorf Harvest Brew. For Lager Beer. Forest City Brewery, Inc. 44,729; Dec. 11.

LIST OF PRINTS

A Complete Feed in One Bag—for More Eggs. For Chicken Feed. Ralston Purina Company. 14,938; Dec. 11.
Drewrys October Ale. For Ale. Drewrys Ltd. U. S. A. 14,934; Dec. 11.
Eccentric Pistons. For Pistons. Tsungani Piston Company. 14,940; Dec. 11.
Hockey Stick Design Chart. For Hockey Sticks. Hermas A. Proulx. 14,936; Dec. 11.
Now-Made in Indiana. For Chows Feed. Ralston Purina Company. 14,937; Dec. 11.
100 Lbs. of Pig and Hog Chow Saves 12 Bushels of Corn. For Pig and Hog Feed. Ralston Purina Company. 14,939; Dec. 11.
The Ozone Shoe. For Shoes. W. Kelley. 14,935; Dec. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abel, August, Leipzig, Germany. Device for recording check values and maintaining balance. 1,983,587; Dec. 11.

Abell, Rollin, Milton, Mass. Engine drive mechanism. 1,984,297; Dec. 11.

Abramson, Abraham, New York, N. Y. Current-tapping device. 1,983,725; Dec. 11.

Adams, John L., Los Angeles, Calif. Antibacking attachment for motor vehicles. 1,983,726; Dec. 11.

Adler, Howard, and H. B. Gottlieb, Chicago Heights, Ill., assignors to Victor Chemical Works. Manufacture of triaryl phosphates. 1,983,588; Dec. 11.

Agfa Ansco Corporation. (See Lummerzheim, H., and Schnitzler, assignors.)

Ahola, Harold, Portland, Oreg., assignor to Technical Tool Company. Combined protractor, bevel gauge and miltering square. 1,983,516; Dec. 11.

Air-O-Mat Berner Company. (See Schmidt, Emil, assignor.)

Aktiebolaget Superior. (See Westerberg, Carl A. A., assignor.)

Aktiengesellschaft Brown, Boveri & Cie. (See Mitzlaff, G., and Bruderlink, assignors.)

Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Magazine-changing device for typographical composing and distributing machines. 1,983,524; Dec. 11.

Alden, Reginald J., Fitchburg, Mass. Decelerometer. 1,983,830; Dec. 11.

Allatt, Mervin, Short Hills, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Winding machine. 1,983,727; Dec. 11.

Allen & Hanburys Limited. (See Evers, N., Eastland and Thompson, assignors.)

Almen, John O., Royal Oak, and J. De'za, Flint, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Hoop governor with double acting weight. 1,984,006; Dec. 11.

Aluminum Company of America. (See Chandler, Edward M., assignor.)

Aluminum Company of America. (See Ennork, W. T., and King, assignors.)

Aluminum Company of America. (See Nock, Joseph A., jr., assignor.)

Aluminum Company of America. (See Wagner, G. H., and Mowe, assignors.)

Amann, Max, assignor to H. Fuld & Co. Telephon und Telegraphenwerke A.-G., Frankfort-on-the-Main, Germany. Current impulse transmitter. 1,983,960; Dec. 11.

American Bemberg Corporation. (See Hardt, Gustav, assignor.)

American Bemberg Corporation. (See Hoelkeskamp, Franz, assignor.)

American Brass Company, The. (See Cooper, Charles F., assignor.)

American Can Company. (See Baechle, James E., assignor.)

American Enka Corporation. (See Koch, Theodoor, assignor.)

American Hardware Corporation, The. (See Gahagan, Andrew, assignor.)

American Optical Company. (See Kapernick, Georg F., assignor.)

American Research Products, Inc. (See Pacini, August J., assignor.)

American Rolling Mill Company, The. (See Freeze, J. R., and Shartle, assignors.)

American Seating Company. (See Hanson, Walter M., assignor.)

American Swiss Company, The. (See Rightmyer, Holden W., assignor.)

American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)

American Telephone and Telegraph Company. (See Watson, E. F., and McCann, assignors.)

American Woodlite Corporation. (See Pagendarm, John F., assignor.)

Anaconda Wire & Cable Company. (See French, Stanley F., assignor.)

Anaconda Wire & Cable Company. (See Little, Thomas J., assignor.)

Andersen, Christian S., assignor to The Pennsylvania Furnace & Iron Company, Warren, Ohio. Draft diverter. 1,983,515; Dec. 11.

Anderson, Albert & J. M., Manufacturing Company. (See Reynolds, Charles H., assignor.)

Anderson, Emil, Briarcliffe, and C. M. Nicholson, Ossining, N. Y. Rule. 1,983,651; Dec. 11.

Anderson, Harry T., New Philadelphia, and E. C. Davis, Dover, Ohio. Stretcher. 1,983,889; Dec. 11.

Anderson, Helmer, assignor to General Mills, Inc., Minneapolis, Minn. Bag closing and sealing machine. 1,984,049; Dec. 11.

Anderson, John E., assignor to Pilbrico Jointless Firebrick Company, Chicago, Ill. Preparing and applying plastic refractory. 1,983,589; Dec. 11.

Anderson, John E., assignor to Pilbrico Jointless Firebrick Company, Chicago, Ill. Package for plastic refractory material. 1,983,590; Dec. 11.

Andrews, S. E. (See Archbold, Arthur A., jr., assignor.)

Angell, Charles H., assignor to Univeral Oil Product Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,983,688; Dec. 11.

Apex Electrical Manufacturing Company, The. (See Frantz, W. A., and Seyfried, assignors.)

Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)

Araujo, Miguel, Pachuca Esta-do de Hidalgo, Mexico. Device for performing trigonometrical calculations. 1,983,961; Dec. 11.

Archbold, Arthur A., jr., Berwyn, assignor of one-half to S. E. Andrews, Chicago, Ill. Container. 1,984,170; Dec. 11.

Arden Box Toe Company. (See Lovell, Stanley P., assignor.)

Arenstein, Joseph. (See Tanzer, J., Smith, and Arenstein.)

Armstrong Cork Company. (See Brand, Norman A., assignor.)

Aroesty, Hyman J., Rochester, N. Y. Fluid dispensing machine. 1,984,298; Dec. 11.

Arrow-Hart & Hegeman Electric Company, The. (See Nero, Arvid H., assignor.)

Asire, Horace W. (See Catlin, A. A., and Asire.)

Atlas Supply Company. (See Caldwell, Albert E., assignor.)

Atwater, Dale H., assignor to G. W. Lambert, Santa Fe, N. Mex. Signal fuse plug. 1,983,890; Dec. 11.

Auerbach, Rudolf. (See Schwedenberg, T., and Auerbach.)

Aust, William G., Milwaukee, Wis. Protector trap for entrail hashers. 1,984,106; Dec. 11.

Automatic Fire Alarm Company. (See Deary, Edward J., assignor.)

Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)

Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)

Auto-Wheel Coaster Company, Inc. (See Klatt, Rudolph, assignor.)

Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Back spacing mechanism. 1,983,831; Dec. 11.

BRE Manufacturing Co. (See Leslie, Howard C., assignor.)

Babbitt, Arland W., New Brighton, N. Y. Unit of insulation. 1,984,007; Dec. 11.

Babcock & Wilcox Company. (See Summers, George, assignor.)

Babcock & Wilcox Company, The. (See Trainer, J. E., and Miller, assignors.)

Baechle, James E., River Forest, Ill., assignor to American Can Company, New York, N. Y. Ball container. 1,983,525; Dec. 11.

Bafetti, Nicolino, Chicago, Ill. Crayon holder. 1,983,728; Dec. 11.

Bahl, John I., assignor of one-half to R. W. Loichot, Canton, Ohio. Ceramic manufacture. 1,984,108; Dec. 11.

Bailey, Harry W. (See Clay, G. H., and Bailey.)

Bailey, Raymond C., Fredericksburg, Va. Lineman's climber. 1,983,526; Dec. 11.

Bailey, Walter C., Norwalk, Calif. Apparatus for dehydrating oil and water emulsions. 1,983,832; Dec. 11.

Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,984,171; Dec. 11.

Baker, Frank E., assignor of one-half to L. Will, Syracuse, N. Y. Electrically heated pressing and ironing element. 1,984,008; Dec. 11.

Baker, George R., and G. D. Wilson, Willesden Junction, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Treating chocolate. 1,984,009; Dec. 11.

Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)

Baker Perkins Company. (See Baker, G. R., and Wilson, assignors.)

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Drill pipe float. 1,984,107; Dec. 11.

Balcom, Frederick J., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,984,109; Dec. 11.

Ball Brothers Company. (See Ludington, Lawrence L., assignor.)
Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Pressure relief apparatus for concrete mixers. 1,983,891; Dec. 11.
Ballantine, Stuart, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Acoustic device. 1,983,833; Dec. 11.
Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,983,786; Dec. 11.
Bank, David, Minneapolis, Minn. Memorial plaque or similar article. Des. 94,013; Dec. 11.
Bank, David, Minneapolis, Minn. Memorial plaque or similar article. Des. 94,014; Dec. 11.
Banks, William C., Jersey City, N. J. Insulator support for power rails. 1,984,245; Dec. 11.
Banner Rock Corporation. (See Huffine, Kenneth W., assignor.)
Barber, William E., and H. A. Watts, South Farnborough, England. Power transmission mechanism. 1,983,962; Dec. 11.
Barnes, Eugene L., Buffalo, N. Y. Refrigerator. 1,983,652; Dec. 11.
Barnes, William B., Indianapolis, Ind. Planetary transmission and synchronizer. 1,983,834; Dec. 11.
Barrett Company, The. (See McCloskey, Gregory E., assignor.)
Barton, Charles N., Wimbledon, London, England. Egg grading and packing apparatus. 1,983,892; Dec. 11.
Barton, Charles N., Wimbledon, London, England. Egg packing apparatus. 1,983,893; Dec. 11.
Barton, Clarence H., and C. Drexler, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Marine reverse gear. 1,983,835; Dec. 11.
Bassette, Edor E. (See Parket, W. G., and Bassette.)
Baum, George M. (See Freed, C. J., Baum, and Patterson.)
Bausch & Lomb Optical Company. (See Drescher, Theodore B., assignor.)
Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
Bausch & Lomb Optical Company. (See McCabe, Joseph J., assignor.)
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping heel breast covering flaps. 1,983,591; Dec. 11.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole of shoes. 1,983,592; Dec. 11.
Beacham, Thomas E. (See Hele-Shaw, H. S., and Beacham.)
Bechtold, Reuben E., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Valve structure. 1,984,328; Dec. 11.
Bedell, James R., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Container. 1,983,689; Dec. 11.
Beebe, Alan P., Detroit, Mich., assignor to Peninsular Grinding Wheel Company. Grinding wheel. 1,984,050; Dec. 11.
Beeson, Arthur W., and I. H. Strider, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer loader. 1,983,593; Dec. 11.
Behrens, Josef, Berlin, Germany. Manufacturing wall papers. 1,983,690; Dec. 11.
Bell, Edwin F., assignor to Topeka Tent & Awning Company, Topeka, Kans. Front board support for awnings. 1,984,329; Dec. 11.
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Chesnut, Roy W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Foley, John W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Greenwood, Quentin E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jacobs, Oliver B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)
Bellini, Ettore, assignor to Compagnie Generale de Telegraphie sans Fil, Paris, France. Direction finder. 1,983,729; Dec. 11.
Belton, Oscar L. (See Belton, Porter L. and O. L.)
Belton, Porter L. and O. L., Barberton, assignors to Selberling Latex Products Company, Akron, Ohio. Rubber product having roughened or crinkler surfaces and producing the same. 1,983,963; Dec. 11.
Bennett, George L., Terre Haute, Ind. Soap dispenser. 1,983,527; Dec. 11.
Bennett, Incorporated. (See Neitzke, Oscar F., assignor.)
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Electric actuating mechanism for ice-cream freezers. 1,983,653; Dec. 11.
Bent, Quincy, E. F. Entwisle, and V. J. Pazzetti, Bethlehem, Pa., assignors to Bethlehem Steel Company. Open hearth furnace operation. 1,983,927; Dec. 11.
Berardinelli, Alfredo, Genoa, Italy. Hull construction. 1,983,964; Dec. 11.
Berger, Ernst K. H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of camphor. 1,983,894; Dec. 11.
Bergquist, Anna F., Gardner, Mass. Washing machine. 1,983,836; Dec. 11.
Berkdoll, Edward C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,895; Dec. 11.
Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Holder and expander for piston rings. 1,983,965; Dec. 11.
Berry F. E., jr., & Co. Inc. (See Macleod, Keith, assignor.)
Bertsche, Ralph, jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 1,983,787; Dec. 11.
Berwick, Louis P., Methuen, Mass. Hose cutter. 1,983,837; Dec. 11.
Bethlehem Steel Company. (See Bent, Q., Entwisle, and Pazzetti, assignors.)
Beyer, Robert, Brooklyn, assignor to Robert Beyer Corporation, New York, N. Y. Caoutchouc-like material. 1,983,730; Dec. 11.
Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Caoutchouc-like material. 1,983,731; Dec. 11.
Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Caoutchouc-like material. 1,983,732; Dec. 11.
Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Caoutchouc-like material. 1,984,246; Dec. 11.
Beyer, Robert, Corporation. (See Beyer, Robert, assignor.)
Bigelow Company, The. (See Welter, Gustave, assignor.)
Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Control system for flying shears. 1,984,051; Dec. 11.
Binns, Frederick W., Quincy, Mass., assignor to Virginia Smelting Company, Portland, Oreg. Making chromic salt solutions. 1,983,733; Dec. 11.
Bishop, Eva P., et al., executors. (See Perkins, M. A., and Bishop.)
Bishop, Oakley M. (See Perkins, M. A., and Bishop.)
Björkman, Per O. (See Ivanoff, L., and Björkman.)
Black, Archie, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Refinement of vitamin-containing unsaponifiable matter of oils. 1,983,654; Dec. 11.
Black, Harold S., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier line system. 1,983,528; Dec. 11.
Blaw-Knox Company. (See Venable, William M., assignor.)
Bodmer, Ernst, and F. Neitzel, assignors to the firm Durand & Huguenin, S. A., Basel, Switzerland. Manufacture of yellow mordant dyestuffs. 1,984,110; Dec. 11.
Bonardi, Joseph, New York, N. Y. Perfuming device. 1,983,691; Dec. 11.
Bond, Charles L. (See Ruble, C., Bond, and Drake.)
Booth, Earl C., assignor to Nohlitt-Sparks Industries, Inc., Columbus, Ind. Combined switch knob and escutcheon plate. Des. 94,015; Dec. 11.
Bosch, Robert, Aktiengesellschaft. (See Mührle, Artur, assignor.)
Bost, William D., assignor to Orange-Crush Company, Chicago, Ill., Fnucet. Des. 94,016; Dec. 11.
Böttcher, Paul, Altona-Bahrenfeld, near Hamburg, Germany. High speed double-rotor motor. 1,983,896; Dec. 11.
Bouveng, Nils, Elga, Setsjabaden, Sweden, assignor to Eastman Kodak Company, Rochester, N. Y. Film magazine. 1,984,111; Dec. 11.
Bowles, Edward L., Wellesley Farms, Mass. Space-current device. 1,983,838; Dec. 11.
Bowman, Pearl J., Bell, and W. F. Bowman, Ocean Park, Calif. Pitman connection. 1,983,655; Dec. 11.
Bowman, William F. (See Bowman, Pearl J. and W. F.)
Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Multiple needle sewing machine. 1,984,330; Dec. 11.
Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Control mechanism for multiple needle sewing machines. 1,984,331; Dec. 11.
Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Sewing machine. 1,984,332; Dec. 11.
Boyd, John D., Chittenango, N. Y. Combination weight and height measuring device. 1,983,966; Dec. 11.
Boye Needle Company, The. (See Carlson, Gustav A., assignor.)
Boysell Company, The. (See Boyce, Erskine E., assignor.)
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas range. Des. 94,017; Dec. 11.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp and treatment of residual liquors, etc. 1,983,789; Dec. 11.
Bradley-McKeefe Corporation. (See Bradley, L., and McKeefe, assignors.)
Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 1,983,517; Dec. 11.
Brand, Norman A., assignor to Armstrong Cork Company, Lancaster, Pa. Wall board. 1,983,532; Dec. 11.
Brandenberger, Jacques E., Neuilly-sur-Seine, France, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Production sheets or films of regenerated cellulose. 1,983,529; Dec. 11.

Brandenberger, Jacques E., Neuilly-sur-Seine, France, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Tissue for cigarettes. 1,983,530; Dec. 11.
Brandenberger, Jacques E., Neuilly-sur-Seine, and C. V. E. Duplessis, Courbevoie, France, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Manufacture of sheets or films of regenerated cellulose. 1,983,531; Dec. 11.
Breaden, Carroll E., Dayton, Ohio. Slicing machine. Des. 94,018; Dec. 11.
Brennan, Joseph F., Yeadon, Pa. Attachment for washtubs. 1,983,788; Dec. 11.
Briegleb, Hugh E., St. Clair, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,983,594; Dec. 11.
Brooks, Elbert J., Sparta, Wis. Sewer rod booster. 1,983,790; Dec. 11.
Brötz, August. (See Stoeckly, J. J., and Brötz.)
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo Sweden. Automatic slack adjuster for brakes. 1,983,897; Dec. 11.
Brown Company. (See Richter, George A., assignor.)
Brown, Glendon C., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control. 1,983,656; Dec. 11.
Brown, Margery, Vedado, Habana, Cuba. Audiphone cable. 1,983,928; Dec. 11.
Brown, Robert F., Baltimore, Md. Wheel mount for vehicles. 1,983,533; Dec. 11.
Brownley, George W., New York, N. Y. Pipe bend. 1,984,172; Dec. 11.
Bruderlink Robert. (See Mitzlaff, G., and Bruderlink.)
Buchholz, Max, Cassel, Germany, assignor to Walter Kidde & Company, New York, N. Y. Bolometric resistance. 1,984,112; Dec. 11.
Buckley, John P., Washington, D. C. Diagnostic method and apparatus. 1,983,534; Dec. 11.
Buedel, Conrad G., Baltimore, Md. Snow guard. 1,983,518; Dec. 11.
Buelna, Guadalupe, and H. E. J. Vacher, Santa Barbara, Calif. Sprinkler. 1,983,929; Dec. 11.
Bullard Company, The. (See Bullard, Dudley B., assignor.)
Bullard, Dudley B., Southport, Conn., assignor to The Bullard Company. Machine tool driving connection. 1,984,052; Dec. 11.
Bunting Brass & Bronze Company, The. (See Yager, George F., assignor.)
Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,983,595; Dec. 11.
Butler, Henry R., Verona, and J. L. Weston, East Orange, N. J., assignors to Wired Radio, Inc., New York, N. Y. Transformer construction. 1,983,657; Dec. 11.
C-S Engineering Company. (See Schellens, Eugene L., assignor.)
Cadwell, Sidney M., Grosse Pointe Village, assignor to Morgan & Wright, Detroit, Mich. Abrasion resisting rubber stocks. 1,984,247; Dec. 11.
Cahill, George F., New York, N. Y. Race track illumination. 1,983,734; Dec. 11.
Calcott, William S., Pennsgrove, and Alfred E. Parmelee, Carneys Point, N. J., and J. L. Stecher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing tetra alkyl lead. 1,983,535; Dec. 11.
Caldwell, Albert E., Newark, N. J., assignor to Atlas Supply Company, Newark, N. J. Tire. Des. 94,019; Dec. 11.
California Packing Corporation. (See Johnson, Maxwell O., assignor.)
California Prune & Apricot Growers Association. (See Jacobs, Sol, assignor.)
Calley, Joseph, Detroit, Mich., assignor to The Murray Corporation of America. Welding device. 1,983,692; Dec. 11.
Campbell, Wyant & Cannon Foundry Company. (See Dake, Charles W., assignor.)
Campbell, Wyant & Cannon Foundry Company. (See Wyant, I. A., and Dake, assignors.)
Carlsen, Carl, Youngstown, Ohio. Method of and apparatus for welding tubular articles. 1,983,930; Dec. 11.
Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Knitting pin point. 1,983,536; Dec. 11.
Carlson, Hjalmar G., Shrewsbury, Mass. Rake. 1,983,596; Dec. 11.
Carmell, Charles F., Jackson, Mich. Hot water boiler. 1,984,248; Dec. 11.
Carraway, Thomas W., Chicago, Ill., assignor to General Fire Extinguisher Company, Providence, R. I. Automatically-controlled refrigerative system. 1,984,053; Dec. 11.
Carraway, Thomas W., Chicago, Ill., assignor to General Fire Extinguisher Company, Providence, R. I. Regulator for refrigerative systems. 1,984,054; Dec. 11.
Carter, Ainslie T., Coldwater, assignor to General Railway Signal Company, Rochester, N. Y. Lightning arrester. 1,984,333; Dec. 11.
Carter, Harry, Cincinnati, Ohio. Deodorizer. 1,984,055; Dec. 11.
Carter, Haskell C., Portland, Oreg. Dishwashing machine. 1,983,931; Dec. 11.
Carter, William W., assignor to The Formica Insulation Company, Cincinnati, Ohio. Silent gear and manufacture. 1,984,113; Dec. 11.
Cartmill, Lloyd E., et al. (See Reynolds, Damian L., assignor.)
Carver, Donald C., Charleston, W. Va. Automatic safety valve. 1,983,791; Dec. 11.
Casselman, Elbridge J., Pittsburgh, Pa., assignor to Magazine Repeating Razor Company, New York, N. Y. Machine for testing the sharpness of blades. 1,983,597; Dec. 11.
Caterpillar Tractor Co. (See Radford, William H., assignor.)
Catlin, Aurel A., and H. W. Asire, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine manifold. 1,984,010; Dec. 11.
Chain Belt Company. (See Ball, Charles F., assignor.)
Chain Belt Company. (See Vlail, George K., assignor.)
Chamberlain, Joseph R., assignor to York Ice Machinery Corporation, York, Pa. Production of solid carbon dioxide. 1,984,249; Dec. 11.
Chamberlain, Joseph R., assignor to York Ice Machinery Corporation, York, Pa. Production of solid carbon dioxide. 1,984,250; Dec. 11.
Chamberlain, Leonard C. (See Grebe, J. J., and Chamberlain.)
Champion, Charles H., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Composition of matter, etc. 1,984,173; Dec. 11.
Champion Machine & Forging Company, The. (See Johnson, Howard F., assignor.)
Champion Spark Plug Company. (See Daubenmeyer, Homer W., assignor.)
Chandler, Edward M., Alcoa, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Metal transfer. 1,983,578; Dec. 11.
Chaney, Newcomb K., Cleveland Heights, and E. F. Kiefer, Cleveland, Ohio, assignors to National Carbon Company, Inc. Impervious carbon article and forming the same. 1,983,598; Dec. 11.
Church, William H., Buffalo, and T. G. Finzel, Kenmore, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Laminated material. 1,983,520; Dec. 11.
Charles, Arthur. (See Smith, Ernest W.)
Charles, Arthur. (See Smith, E. W., and Charles.)
Cheek, Marion A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing rubber. 1,983,967; Dec. 11.
Chemipulp Process, Incorporated. (See Dunbar, T. L., and Fulton, assignors.)
Cheney, Allan, Melrose, Mass. Seepage protector for masonry buildings. 1,984,251; Dec. 11.
Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 94,020; Dec. 11.
Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Colorless synthetic resin and making same. 1,983,658; Dec. 11.
Chesnut, Roy W., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier current signaling system. 1,983,537; Dec. 11.
Chicago Electric Manufacturing Co. (See Benson, Bernhart A., assignor.)
Chicago Lock Company. (See Shinn, Lyle B., assignor.)
Choate, Roy, Wichita, Kans. Pliers. 1,983,519; Dec. 11.
Christiansen, Walter G., Glen Ridge, N. J., and E. Moness, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Mercurated hydroxy aryl sulphides. 1,984,174; Dec. 11.
Christie, Charles B., Wichita Falls, Tex. Cleaner. 1,983,600; Dec. 11.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Striping. 1,983,702; Dec. 11.
Cincinnati Grinders Incorporated. (See Hopkins, Cecil W., assignor.)
Citizens Trust Company of Toledo, Ohio. (See Replogle, Daniel B., assignor.)
Citizens Trust Company of Toledo, Ohio. (See Replogle, D. B., and Queen, assignors.)
Clapper, John S., assignor to Toro Manufacturing Company, Minneapolis, Minn. Transporting truck for power mowers. 1,983,599; Dec. 11.
Clark, Charles W., Denver, Colo., and R. Rupert, Kansas City, Mo., assignors to The Electric Alarm Co., Inc., Denver, Colo. Theft alarm for automobiles. 1,983,932; Dec. 11.
Clark, Walter G., Los Angeles, Calif., assignor to F. R. Feitschans, trustee. Ore concentration. 1,983,968; Dec. 11.
Clarke, Louis A., Fishkill, N. Y., and L. W. Cook, Roselle, N. J., assignors to The Texas Company, New York, N. Y. Manufacture of alcohols. 1,984,334; Dec. 11.
Clay, George H., and H. W. Bailey, Kansas City, Mo. Tank truck filling plug. 1,984,175; Dec. 11.
Clemens, John A., assignor to Davol Rubber Co., Providence, R. I. Application of coverings to packages and the like. 1,984,056; Dec. 11.
Cleveland Company, The. (See Morrison, W. J., and Spicer, assignors.)
Cleveland Patents, Incorporated. (See Hickok, Robert D., assignor.)
Clifton, Rufus L., Luke Field, Territory of Hawaii. Automatic device for stopping air leakage around valves. 1,983,538; Dec. 11.
Cohen, Berry, Atlanta, Ga. Bicycle stand. 1,984,299; Dec. 11.
Cole, Harry H., Eagle River, assignor of three-fourths to A. H. Meyer, Oshkosh, Wis. Identification camera. 1,983,898; Dec. 11.
Cole, James R., et al. (See Livingston, Jay K., assignor.)

Coleman, James T., Emeryville, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Clamp. 1,983,933; Dec. 11.
Collings, Frederick C. (See Hoover, R., and Collings.)
Collins, Charles E., Kansas City, Mo. Stilt. 1,984,114; Dec. 11.
Collins, Douglas, Salisbury, N. C. Carburetor. 1,984,252; Dec. 11.
Colourgravure Limited. (See Hillman, Albert G., assignor.)
Compagnie Generale de Telegraphie sans Fil. (See Bellini, Ettore, assignor.)
Compagnie Generale de Telegraphie sans Fil. (See Ponte, Maurice, assignor.)
Comyn, Bernard D., Glasgow, Scotland. Apparatus for separating liquids. 1,984,057; Dec. 11.
Cone, Frank L., Windsor, Vt. Double end automatic lathe. 1,984,176; Dec. 11.
Cone, Frank L., Windsor, Vt. Chucking mechanism. 1,984,177; Dec. 11.
Conn, Carl E., Los Angeles, Calif. Mucus surface scraper and medicinal distributor. 1,983,601; Dec. 11.
Continental Can Company, Inc. (See Schmitt, Otto A., assignor.)
Continental Motors Corporation. (See Kinnucan, J. W., and Fink, assignors.)
Cook, Leon W. (See Clarke, L. A., and Cook.)
Cooke, Alfred F., Pittsburgh, Pa. Controlling mechanism especially for greenhouse ventilators. 1,983,521; Dec. 11.
Cooper-Hewitt Corporation. (See Wolfe, Arthur C., assignor.)
Cooper, Charles F., Torrington, assignor to The American Brass Company, Waterbury, Conn. Built up print roll and making. 1,984,115; Dec. 11.
Corlett, Webster D., Oak Park, Ill., assignor to Standard Screw Corporation, Hartford, Conn. Tappet. 1,983,735; Dec. 11.
Cornblum, Harry A., Cleveland, Ohio. Garment. 1,984,011; Dec. 11.
Cornell Securities Corporation. (See Cornell, Vernon E., assignor.)
Cornell, Vernon E., assignor to Cornell Securities Corporation, Cleveland, Ohio. Apparatus for welding cylindrical bodies. 1,984,300; Dec. 11.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Oil seal. 1,983,522; Dec. 11.
Cox, Henry E., Bristol, and J. R. Torrance, Bath, England. Refining mill of the roll and adjustable breast bar type. 1,983,736; Dec. 11.
Cox, Thelma L., West Los Angeles, Calif. Breast protector. 1,984,253; Dec. 11.
Coxhead, Ralph C., Corporation. (See Fuchs, C. A., and Resch, assignors.)
Crandell, Dean D., assignor to National Gypsum Company, Buffalo, N. Y. Plastic paint. 1,984,116; Dec. 11.
Crapo, Frederick M., assignor to Indiana Steel & Wire Company, Muncie, Ind. Metal coated ferrous article and making it. 1,984,335; Dec. 11.
Creasy, George C., Gretna, Va. Steam cooker and like apparatus. 1,983,899; Dec. 11.
Crompton & Knowles Loom Works. (See McCleary, William E., assignor.)
Crompton & Knowles Looms Works. (See Payne, Oscar V., assignor.)
Crowell, Erd V., Los Angeles, Calif. Swab. 1,983,523; Dec. 11.
Crown Cork & Seal Company, Inc. (See Warth, Alban H., assignor.)
Curtin, Leo P., Cranbury, N. J., and W. Thordarson, assignors to The Western Union Telegraph Company, New York, N. Y. Preservation of wood. 1,984,254; Dec. 11.
Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system adapted for deep sea telephone cables. 1,984,058; Dec. 11.
Cutler-Hammer, Inc. (See Brown, Glendon C., assignor.)
Cutter, John, Tulsa, Okla., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Handling residuum. 1,983,659; Dec. 11.
Dake, Charles W. (See Wyant, I. A., and Dake.)
Dake, Charles W., Grand Haven, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Manufacturing a brake drum. 1,983,839; Dec. 11.
Dandini, Alessandro O., San Francisco, Calif. Making colored building blocks. 1,984,059; Dec. 11.
Daubenmeyer, Homer W., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Elastic mold and molding material. 1,983,692; Dec. 11.
Daudt, Herbert W. (See Holt, L. C., and Daudt.)
Davenport, Joseph P., assignor to G. W. Yeoman, Detroit, Mich. Ear exercising device. 1,983,737; Dec. 11.
Davis, Edgar C. (See Anderson, H. T., and Davis.)
Davis, Frederick W., assignor to The Umbilikamp Company, Dayton, Ohio. Surgical clamp. 1,983,969; Dec. 11.
Davis, Lewis K., Hampton, N. J. Impact device. 1,984,117; Dec. 11.
Davis, Lincoln K., Brockton, Mass. Cigarette lighter. 1,983,738; Dec. 11.
Davis, Robert H., London, England. Breathing appliance. 1,984,118; Dec. 11.
Davis, Robert H., London, England. Breathing appliance. 1,984,119; Dec. 11.
Davol Rubber Co. (See Clemens, John A., assignor.)
Dazey, Harry L., Clayton, Mo. Razor stropper. 1,983,739; Dec. 11.
Deakin, Gerald, New York, N. Y., and W. Hatton, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone sytsem. 1,984,060; Dec. 11.
Deane, Herbert H. B., Rugby, England. Spring arrangement for resilient wheels. 1,984,255; Dec. 11.
Deary, Edward J., Brooklyn, assignor to Automatic Fire Alarm Company, New York, N. Y. Thermostat. 1,983,740; Dec. 11.
Decker, George, assignor to The Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,983,970; Dec. 11.
Dederer, Richard, Stuttgart, Germany, assignor to Kapital and Industriewerte A G., Basel, Switzerland. Electrically driven striking tool. 1,984,256; Dec. 11.
Dederick, Clinton H., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Multispeed split phase motor. 1,983,741; Dec. 11.
Deere & Company. (See Coultas, Wilbur J., assignor.)
Degea Aktiengesellschaft (Auergesellschaft). (See Stock, Alfred, assignor.)
Delamere Company. (See Goodman, Jacob, assignor.)
Delisle, Rosario, Dracut, Mass. Sanitary razor strop holder. 1,984,120; Dec. 11.
Delman, Inc. (See Morali, Charles, assignor.)
Deltox Rug Company. (See Steiger, Carl E., assignor.)
De Luxe Metal Furniture Company. (See Onions, Herbert J., assignor.)
De Ridder, Oliver E., Rochester, N. Y. Shoe with metatarsal support and making same. 1,984,257; Dec. 11.
Desser, Michael S., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Combined jar and closure. Des. 94,021; Dec. 11.
Det Norske Aktieselskab for Elektrokemisk Industri. (See Ingelsrud, Hildor, assignor.)
Detroit Lubricator Company. (See Vaughan, Henry P., assignor.)
Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Vitreous material and making same. 1,984,178; Dec. 11.
Devine, John U., Struthers, Ohio. Method and apparatus for making seamless tubes. 1,983,934; Dec. 11.
De Vries, Reinier P., Melrose, assignor to Revere Sugar Refinery, Boston, Mass. Time period control device. 1,984,302; Dec. 11.
Diack, Alexander S., Detroit, Mich. Vehicle driving means. 1,984,179; Dec. 11.
Dicks, Kenneth T., Broadlands, Ill. Door badge or funeral insignia. 1,983,742; Dec. 11.
Dickson, William C., Evanston, Ill. Weatherproof nail. 1,984,180; Dec. 11.
Dobben, Pieter W., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electric discharge tube. 1,983,743; Dec. 11.
Dock, Herman, deceased, Guadalajara, Mexico, by C. L. Meyer, Merion, and I. H. Mirkil, and Fidelity-Philadelphia Trust Company, Philadelphia, Pa., executors. Reciprocating valve. 1,983,744; Dec. 11.
Dodge Manufacturing Corporation. (See Evanburgh, Ralph L., assignor.)
Doherty, Henry L., assignor to Doherty Research Company, New York, N. Y. Internal combustion engine. 1,983,971; Dec. 11.
Doherty Research Company. (See Doherty, Henry L., assignor.)
Dohner, Burt E., Oakland, Ohio. Compression coupling. 1,983,840; Dec. 11.
Dolza, John. (See Almen, J. O., and Dolza.)
Dolza, John, Flint, assignor to General Motors Corporation, Detroit, Mich. Roller type transmission control. 1,983,745; Dec. 11.
Domle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., Television method and apparatus. 1,984,336; Dec. 11.
Douglas, Harry A. (See Schmid, William, assignor.)
Dow Chemical Company, The. (See Gann, John A., assignor.)
Dow Chemical Company, The. (See Grebe, J. J., and Chamberlain, assignors.)
Dowst Manufacturing Company. (See Dowst, Theodore S., assignor.)
Dowst, Theodore S., assignor to Dowst Manufacturing Company, Chicago, Ill. Toy. 1,984,258; Dec. 11.
Drake, Edward P. (See Ruble, C., Bond, and Drake.)
Drenthe, John, Chicago, Ill. Safety deposit box. 1,984,012; Dec. 11.
Drescher, Theodore B., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Centering device for lens machinery. 1,984,121; Dec. 11.
Drexler, Charles. (See Barton, C. H., and Drexler.)
Drexler, Charles, assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Lock-out lever mechanism for freewheeling units. 1,983,841; Dec. 11.
Drucker, Abraham, New York, N. Y. Cutting press. 1,983,842; Dec. 11.
Dunbar, Thomas L., Watertown, N. Y., and G. E. Fulton, Masson, Quebec, Canada, assignors to Chemipulp Process, Incorporated, Watertown, N. Y. Method and apparatus for the production of pulp. 1,983,793; Dec. 11.

Dunlop Rubber Company Limited. (See Goodyear, E., and Wright, assignors.)
Dunlop Rubber Company Limited. (See Lane, F. H., Madge, and Murphy, assignors.)
Duplate Corporation. (See Lytle, William O. assignor.)
Duplessis, Charles V. E. (See Brandenberger, J. E., and Duplessis.)
Du Pont Cellophane Company, Inc. (See Brandenberger, Jacques E., assignor.)
Du Pont Cellophane Company, Inc. (See Brandenberger, J. E., and Duplessis, assignors.)
Du Pont Cellophane Company, Inc. (See Charch, W., and Finzel, assignors.)
Du Pont Cellophane Company, Inc. (See Ostwald, Ulrich, assignor.)
Du Pont Cellophane Company, Inc. (See Prindle, Karl E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Berger, Ernst K. H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Parmelee, and Stecher, assignors.)
Du Pont, E. I., de Nemours & Company. (See Holt, L. C., and Daudt, assignors.)
Du Pont, E. I., de Nemours & Co. (See Patterson, G. D., and Shive, assignors.)
Du Pont, E. I., de Nemours & Company. (See Perkins, M. A., and Bishop, assignors.)
Du Pont, E. I., de Nemours & Company. (See Reid, E E, and Schwartz, assignors.)
Durand & Huguenin S. A. (See Bodmer, E., and Neitzel, assignors.)
Eastland, Cyril J. (See Evers, N., Eastland, and Thompson.)
Eastman Kodak Company. (See Bouveng, Nils, assignor.)
Eastman Kodak Company. (See Fuess, J. T., and Staud, assignors.)
Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
Eastman Kodak Company. (See Kraft, William A., assignor.)
Eastman Kodak Company. (See Mulm, Carl J., assignor.)
Eastman Kodak Company. (See Nagel, Hugo, assignor.)
Eastman Kodak Company. (See Russell, Harold D., assignor.)
Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
Eastman Kodak Company. (See Staud, C. J., and Fuess, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Kenyon, assignors.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eaton, Ernest E., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Helical gear grinding machine. 1,984,259; Dec. 11.
Eckstein, George R., assignor to Visco Meter Corporation, Buffalo, N. Y. Viscosity indicating device. 1,983,603; Dec. 11.
Economy Fuse and Manufacturing Company. (See Cherry, Oscar A., assignor.)
Edgerton, Harley. (See Quinn, C. C., and Edgerton.)
Eggen, Mina E. (See Grasswick, Carl A., assignor.)
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,983,693; Dec. 11.
Elsinga, Dirk, Glendale, Calif., assignor to National Steel Construction Co., Seattle, Wash. Combined furnace and domestic hot water heating apparatus. 1,983,843; Dec. 11.
Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Filament support. 1,983,694; Dec. 11.
Electric Alarm Co., Inc., The. (See Clark, C. W., and Rupert, assignors.)
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Electro-Chemical Engineering Corporation. (See Gunderson, Lewis O., assignor.)
Elliott, Charles H. and H. K., St. Paul, Minn. Switch actuating mechanism. Re19,392; Dec. 11.
Elliott, Harold K. (See Elliott, Charles H. and H. K.)
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Nitrocellulose coating composition. 1,984,061; Dec. 11.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Emerson Electric Mfg. Co., The. (See Dederick, Clinton H., assignor.)
Engl, Josef, Berlin-Charlottenburg, Germany, assignor to Engl Products Corporation, New York, N. Y. Sound light ray intensity control. 1,984,208; Dec. 11.
Engl Products Corporation. (See Engl, Josef, assignor.)
Engstrom, Everett E., White Plains, assignor to Metal Package Corporation, New York, N. Y. Canister. Des. 94,022; Dec. 11.
Engstrom, Gustaf W., Riverside, Ill., C. B. Faverty, Hammond, Ind., and E. C. Walker, Chicago, Ill., assignors to International Harvester Company. Steam propelled railway vehicle. 1,983,539; Dec. 11.
Eunor, William T., and W. E. King, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Metal transfer system. 1,983,579; Dec. 11.
Entwisle, Edward F. (See Bent, Q., Entwisle, and Pazzetti, assignors.)
Erdmann, Hans M., assignor to Ne-Arga Corporation, New York, N. Y. Lamp starting device. 1,983,605; Dec. 11.
Eroskey, Frank. (See Miller, W. B., and Eroskey.)
Evenburgh, Ralph L., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Sheave. 1,983,844; Dec. 11.
Evenburgh, Ralph L., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Sheave. 1,983,845; Dec. 11.
Evers, Norman, and C. J. Eastland, London, and J. H. Thompson, Whitton Park, assignors to Allen & Hanburys Limited, London, England. Preparing liquids containing active principles or hormones from parathyroid glands. 1,984,260; Dec. 11.
Fairbanks, Morse & Co. (See Mahana, Charles G., assignor.)
Fairbanks, Morse & Co. (See Walter, H. C., and Nies, assignors.)
Faldini, Mario, assignor to Società Italiana Pirelli, Milan, Italy. Manufacture of rubber and articles thereof. 1,983,972; Dec. 11.
Fassinger, Charles, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Mechanism for forming insulator brackets and the like. 1,983,935; Dec. 11.
Fast, Gustave, assignor to Gustave Fast Engineering Corporation, Annapolis, Md. Friction clutch. 1,984,337; Dec. 11.
Fast, Gustave, Engineering Corporation. (See Fast, Gustave, assignor.)
Fast, Marion L., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Two-stroke cycle engine. 1,984,013; Dec. 11.
Faverty, Clyde B. (See Engstrom, G. W., Faverty and Walker.)
Federal Merchandise Company. (See Hueglin, Herman C., assignor.)
Fee and Stemwedel, Inc. (See Stemwedel, Albert L., assignor.)
Feinauer, George A., assignor to Gorham Mfg. Co., Providence, R. I. Spoon or similar article. Des. 94,023; Dec. 11.
Feitschans, F. R. (See Clark, Walter G., assignor.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Felmann, Henri, assignor to H. Morris, Chicago, Ill. Bag and manufacture. 1,984,122; Dec. 11.
Fenton, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Decorating sheet rubber. 1,983,695; Dec. 11.
Fenton, George F. (See Miller, J. M., and Fenton.)
Ferris, John P. (See Ferris, Walter and J. P.)
Ferris, Walter, Milwaukee, Wis., and J. P. Ferris, Fountain City, Tenn., assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for machine tools. 1,983,900; Dec. 11.
Ferrone, Frank D., New York, N. Y. Shipping container. 1,984,209; Dec. 11.
Fetter, Edward. (See Pilblad, E. J., and Fetter.)
Fidelity-Philadelphia Trust Company et al. (See Dock, Herman, assignor.)
Fingler, Edward A., Detroit, Mich. Circuit closer. 1,983,973; Dec. 11.
Fink, James O. (See Kinnucan, J. W., and Fink.)
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Shingle. 1,983,936; Dec. 11.
Finzel, Theron G. (See Charch, W., and Finzel.)
Fish, John R., West Springfield, assignor to National Equipment Company, Springfield, Mass. Carburetor. 1,983,660; Dec. 11.
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Martin D., assignor.)
Fitzgerald, Martin D., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Grease excluding ring. 1,983,746; Dec. 11.
Fitzsimmons, John T., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition timer. 1,983,794; Dec. 11.
Flannery, John W., Portland, Oreg. Production of refined metal. 1,983,604; Dec. 11.
Flanzer, Joseph A. (See Jones, L. L., and Flanzer.)
Flinker, Leon A., Detroit, Mich., assignor of one-fourth to J. A. Geismar, Toledo, Ohio. Safety razor. 1,984,338; Dec. 11.
Flint Eaton and Company. (See Taylor, Guy C., assignor.)
Florence Stove Company. (See Bradbury, William T., assignor.)
Foley, John W., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 1,984,062; Dec. 11.
Food Machinery Corporation. (See Jones, Lloyd E., assignor.)
Forbes Lithograph Manufacturing Company. (See Hines, John E., assignor.)
Ford, Shelley W., Cincinnati, Ohio. Pressing machine. 1,983,974; Dec. 11.
Formica Insulation Company, The. (See Carter, William W., assignor.)
Fort Orange Paper Company. (See Wolfe, Herbert J., assignor.)
Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens testing instrument. 1,984,123; Dec. 11.
Foster Wheeler Corporation. (See Lundgren, Edwin, assignor.)

Fox Company. (See Sadler, E. W., Pierce, and Mortensen, assignors.)
Foy, Lillian W., Egypt, Ga. Thermo container. 1,984,261; Dec. 11.
Foy, Patrick, Chicago, Ill. Electric switch. 1,984,124; Dec. 11.
Frampton, William L., Lincoln, Nebr. Power transmission device. 1,983,901; Dec. 11.
Frantz, Walter A., Cleveland Heights, and A. W. Seyfried, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Centrifugal device. 1,983,661; Dec. 11.
Freed, Clarence J., G. M. Baum, and F. S. Patterson, assignors to Youngstown Research Association Incorporated, Youngstown, Ohio. Filter device. 1,984,339; Dec. 11.
Freeze, Jonathan R., Middletown, and R. W. Shartle, Cincinnati, assignors to The American Rolling Mill Company, Middletown, Ohio. Making culverts. 1,984,125; Dec. 11.
French, Stanley F., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Attachment plug. 1,984,181; Dec. 11.
Frigidaire Corporation. (See Berkdoll, Edward C., assignor.)
Frigidaire Corporation. (See Lee, Ralph L., assignor.)
Frigidaire Corporation. (See Maccabee, David E., assignor.)
Fritzsche, Paul. (See Streitwolf, K., and Fritzsche.)
Frosted Foods Company, Inc. (See Hall, Bicknell, assignor.)
Frosted Foods Company, Inc. (See Norton, Karl B., assignor.)
Fuchs, Charles A., Hollis, N. Y., and H. Resch, Bayonne, N. J., assignors, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing instrumentalities for typewriting machines. 1,984,014; Dec. 11.
Fuess, James T. (See Staud, C. J., and Fuess, assignors.)
Fuess, James T., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of acetone-soluble cellulose nitro-acylate.. 1,984,126; Dec. 11.
Fuld, H., & Co. Telephon- und Telegraphenwerke A. G. (See Amann, Max., assignor.)
Fuller, James D., Seattle, Wash. Screen and sash frame. 1,983,846; Dec. 11.
Fulton, George E. (See Dunbar, T. L., and Fulton.)
Furness Corporation. (See Furness, William H., assignor.)
Furness, William H., National Park, assignor to Furness Corporation, Gloucester, N. J. Rayon manufacture. 1,983,795; Dec. 11.
G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)
Gabriel Pneumatic Vulcanizer, Inc. (See Pilblad, E. J., and Fetter, assignors.)
Gaffney, John J., assignor to National Folding Box Company, New Haven, Conn. Display container. 1,983,696; Dec. 11.
Gahagan, Andrew, New York, N. Y., assignor, by mesne assignments, to The American Hardware Corporation, New Britain, Conn. Padlock. 1,983,747; Dec. 11.
Gale, Ernest L., Yonkers, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa. Intercepting push button control system. 1,983,748; Dec. 11.
Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 1,984,127; Dec. 11.
Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 1,983,975; Dec. 11.
Ganz, Joseph, Frankfort-on-the-Main, Germany. Pedal arrangement for vehicles. 1,984,015; Dec. 11.
Gardner, Prince A., Jr., St. Louis, Mo. Billfold. 1,983,847; Dec. 11.
Garrick, Ernest E., Outlook, Mont. Hoisting apparatus. 1,983,749; Dec. 11.
Garvey, Benjamin S., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vented mold. 1,983,976; Dec. 11.
Gas Light and Coke Company, The. (See Masterman, Cyril A., assignor.)
Gebhard, Louis A., and C. F. Rudolph, Washington, D. C. Balancing condenser. 1,983,540; Dec. 11.
Gebhard, Louis A., and C. F. Rudolph, Washington, D. C.; said Gebhard assignor to Wired Radio, Inc., New York, N. Y. Frequency adjusting system. 1,984,301; Dec. 11.
Geiger, Carl. Weende-Gottingen, Germany. Pipe coupling. 1,983,977; Dec. 11.
Geise, Walter A., Flint, assignor to General Motors Corporation, Detroit, Mich. Fan. 1,983,606; Dec. 11.
Geismar, John A. (See Flinker, Leon A., assignor.)
General Aniline Works, Inc. (See Zerweck, W., and Hechtenberg, assignors.)
General Electric Company. (See Devers, Philip K., assignor.)
General Electric Company. (See Newman, Delbert F., assignor.)
General Electric Company. (See Schwedenberg, T., and Auerbach, assignors.)
General Electric X-Ray Corporation. (See Kimble, Harley E., assignor.)
General Fire Extinguisher Company. (See Carraway, Thomas W., assignor.)
General Fire Extinguisher Company. (See Kennedy, William A., assignor.)
General Fire Extinguisher Company. (See Schwitzer, Louis, assignor.)
General Mechanical Company, The. (See Lyons, George W., assignor.)
General Mills, Inc. (See Anderson, Helmer, assignor.)
General Motors Corporation. (See Almen, J. O., and Dolza, assignors.)
General Motors Corporation. (See Bertsche, Raph, jr., assignor.)
General Motors Corporation. (See Catlin, A. A., and Asire, assignors.)
General Motors Corporation. (See Dolza, John, assignor.)
General Motors Corporation. (See Fast, Marion L., assignor.)
General Motors Corporation. (See Fitzsimmons, John T., assignor.)
General Motors Corporation. (See Geise, Walter A., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Harrison, Walter D., assignor.)
General Motors Corporation. (See Loring, Thomas W., assignor.)
General Motors Corporation. (See Mougey, H. C., and Short, assignors.)
General Motors Corporation. (See Poole, Lora E., assignor.)
General Motors Corporation. (See Shippy, Leo C., assignor.)
General Motors Corporation. (See Wilson, Livingston A., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Railway Signal Company. (See Carter, Ainslie T., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Ross, Oscar A., assignor.)
Gensburg, Louis W., Chicago, Ill. Game apparatus. Des. 94,024; Dec. 11.
Geslowitz, Abraham, New York, N. Y. Combination article of furniture. 1,984,207; Dec. 11.
Gessler, Albert E., Yonkers, assignor to Zinsser & Company, Incorporated, Hastings-on-Hudson, N. Y. Pigment. 1,984,182; Dec. 11.
Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Oscillating pivot joint. 1,983,796; Dec. 11.
Gibson, George M., Waterloo, Iowa. Clothes drier. 1,983,750; Dec. 11.
Giesel-Gieslingen, Adolf. (See Lestin, Alfred, assignor.)
Gill, Ernest W. B., Oxford, England, assignor to Radio Corporation of America. Short wave oscillation generator. 1,983,848; Dec. 11.
Gillespie, William H., Oakland, Calif. Glove. 1,984,183; Dec. 11.
Gilman, Howard J., and T. E. Mueller, Oak Park, Ill., assignors of one-third to H. A. Norris, Philadelphia, Pa. Display lamp. Des. 94,025; Dec. 11.
Gisske, Walter P., Chicago, Ill. Connecter. 1,984,016; Dec. 11.
Glenn, Russell P., Abilene, Tex. Boiler. 1,984,262; Dec. 11.
Globe Machine & Stamping Company, The. (See Green, Lee B., assignor.)
Gminder, Emil, Reutlingen, Germany, assignor, by mesne assignments, to B. F. Perkins & Son, Inc., Holyoke, Mass. Roller such for example as is used in calenders. 1,983,662; Dec. 11.
Goetz, Maurus T. (See Reiber, A. H., and Goetz.)
Gold, Jacob. (See Palmer, Charles S., assignor.)
Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Engine starting system. 1,983,849; Dec. 11.
Goodley, Harry, Nottingham, England. Jacquard mechanism. 1,984,128; Dec. 11.
Goodman, Jacob, New York, N. Y., assignor to Delamere Company, Inc. Hair device. 1,983,978; Dec. 11.
Goodrich, B. F., Company, The. (See Bedell, James R., assignor.)
Goodrich, B. F., Company, The. (See Cheek, Marion A., assignor.)
Goodrich, B. F., Company, The. (See Fenton, Frank, assignor.)
Goodrich, B. F., Company, The. (See Garvey, Benjamin S., jr., assignor.)
Goodrich, B. F., Company, The. (See Kohler, Charles W., assignor.)
Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
Goodrich, B. F., Company, The. (See Riley, Ralph E., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Strong, Walter J., assignor.)

Goodyear, Ernest F., Moxhall Park, Wishaw, and J. Wright, Stoke Park, Coventry, assignors to Dunlop Rubber Company Limited, London, England. Wheel brake. 1,983,751; Dec. 11.
Gordon, John H., Riverside, Calif. Post anchor and protector. 1,983,850; Dec. 11.
Gorham Mfg. Co. (See Feinauer, George A., assignor.)
Gottlieb, Hans B. (See Adler, H., and Gottlieb.)
Goulard, Alexander, Westfield, N. J., and H. G. Olena, assignors to Goulard & Olena, Inc., New York, N. Y. Spray pump construction. 1,984,340; Dec. 11.
Goulard & Olena, Inc. (See Goulard, A., and Olena, assignors.)
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Bus ventilator. 1,983,979; Dec. 11.
Graham, Maurice H., St. Louis Park, Minn. Automatic toaster. 1,984,063; Dec. 11.
Grasselli Chemical Company, The. (See Hedenburg, Oscar F., assignor.)
Grasswick, Carl A., Valley City, N. Dak., assignor of one-third to M. E. Eggen, Minneapolis, Minn. Combine harvester. 1,984,184; Dec. 11.
Gray, Adam A., assignor of one-half to W. P. Soneson, Duluth, Minn. Windmill. 1,983,980; Dec. 11.
Grebe, John J., and L. C. Chamberlain, assignors to The Dow Chemical Company, Midland, Mich. Direct reading relative humidity indicator. 1,984,341; Dec. 11.
Greco, Anthony, Santa Clara, Calif. Packaging apparatus. 1,984,064; Dec. 11.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Electric beverage water heater. 1,984,129; Dec. 11.
Greenwood, Quentin E., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for controlling transmission in signaling systems. 1,984,065; Dec. 11.
Greenwood, Richard F., New York, N. Y., assignor to Standard Equipments, Inc. Rail-joint and bar therefor. 1,983,752; Dec. 11.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Pump valve. 1,983,797; Dec. 11.
Grune, Max, assignor to Schön & Cie. A. G., Pirmasens, Germany. Machine for delasting boots and shoes. 1,984,263; Dec. 11.
Gualtiere, Julius, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Manually operated rivet setter. 1,983,851; Dec. 11.
Gualtierotti, Gualtiero, Milan, Italy. Cinematographic picture talking and projecting machine. 1,984,264; Dec. 11.
Guedon, Emile C., Camden, N. J., assignor to Radio Corporation of America. Translating device. 1,983,937; Dec. 11.
Gunderson, Lewis O., assignor, by mesne assignments, to Electro-Chemical Engineering Corporation, Chicago, Ill. Method and appartus for preventing foaming of liquids. 1,984,210; Dec. 11.
Gurney Elevator Company, The. (See Gale, Ernest L., assignor.)
Gurrieri, Louis and S., Canarsie, N. Y. Fishing rod tip end. 1,984,349; Dec. 11.
Gurrieri, Salvatore. (See Gurrieri, Louis and S.)
Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 1,984,185; Dec. 11.
Haas, Joseph, Newport, Ky. Identification tag. 1,983,607; Dec. 11.
Haase, Wilbert W., assignor to Wilbert W. Haase Co., Forest Park, Ill. Combined lewis and casket rest for burial valts. 1,984,211; Dec. 11.
Haase, Wilbert W., Co. (See Haase, Wilbert W., assignor.)
Haber, David W., Bronx, N. Y. Permanent mold. 1,984,186; Dec. 11.
Hagen, Carl, Park Ridge, Ill. Humidifying system. 1,983,753; Dec. 11.
Hall, Bicknell, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Refrigerating method and machine. 1,983,754; Dec. 11.
Halsey, Charles W., and F. W. Kunath, Evansille, Ind. Permanent fastening for T shaped handles. 1,984,350; Dec. 11.
Halvorsen, Daniel W., Oslo, Norway. Device for battening down hatches. 1,984,120; Dec. 11.
Hamer, Harry M., Johnstown, Pa. Combined irrigating device and support for trees. 1,984,265; Dec. 11.
Hamilton, James, Brantford, Ontario, Canada, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Chenille fur for carpet making. 1,983,663; Dec. 11.
Hamilton, William A., Birmingham, Ala. Automatic clutch. 1,984,131; Dec. 11.
Hammond, John Hays, jr. (See Purington, Ellison S., assignor.)
Hand, Homer G., Fort Myers, Fla. Tire tool. 1,983,608; Dec. 11.
Hanlon, Anthony J., assignor to The International Nickel Company, Inc., New York, N. Y. Water boiler. 1,984,017; Dec. 11.
Hanna, Harvey, Detroit, Mich. Protected steel structure and forming the same. 1,984,132; Dec. 11.
Hanny, Charles E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 1,983,902; Dec. 11.
Hansen, Niels B., Willis, Kans. Milking stool. 1,984,212; Dec. 11.
Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Easel. 1,983,981; Dec. 11.
Hardsocg, Lester C., assignor to Hardsocg Manufacturing Company, Ottumwa, Iowa. Drill head. 1,983,798; Dec. 11.
Hardsocg Manufacturing Company. (See Hardsocg, Lester C., assignor.)
Hardt, Gustav, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial silk. 1,984,303; Dec. 11.
Hardt, Gustav, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial silk. 1,984,304; Dec. 11.
Harries, Wolfgang. (See Simon, H., and Harries.)
Harrison, Walter D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Brush rigging. 1,983,799; Dec. 11.
Harvey, Raymond, New York, N. Y. Textile fabric or similar article of manufacture. Des. 94,026; Dec. 11.
Harvey, Raymond, New York, N. Y. Textile fabric or similar article of manufacture. Des. 94,027; Dec. 11.
Hatton, William. (See Deakin, G., and Hatton.)
Hawley, Jesse B., Geneva, Ill. Making sound producing articles. 1,984 018; Dec. 11.
Hawley, Jesse B., Geneva, Ill. Fibrous sound reproducing diaphragmatic members and making the same. 1,984,019; Dec. 11.
Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Protective apparatus for double string installations. 1,983,903; Dec. 11.
Hayward, Arnold P., Bellevue, and T. E. Purcell, Pittsburgh, Pa. Regulating system. 1,984,187; Dec. 11.
Haywood Gerald, Westernport, Md., assignor to Industrial Chemical Sales Company, Inc., New York, N. Y. Calcium sulphite and paper containing the same. 1,984,188; Dec. 11.
Hazard & Miller, et al. (See Johnson, Arthur E., assignor.)
Hazel-Atlas Glass Co. (See Beeson, A., and Strider, assignors.)
Hechtenberg, Wilhelm. (See Zerweck, W., and Hechtenberg.)
Heddaeus Gilbert T. (See Semans, H. L., and Heddaeus.)
Hedenburg, Oscar F., Pittsburgh, Pa., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Making arsenate of lead. 1,984,305; Dec. 11.
Heichert, Herman S., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for handling and inspecting plate glass. 1,983,755; Dec. 11.
Heim, Lewis R., Mount Dora, Fla. Bearing construction. 1,984,213; Dec. 11.
Heintz & Kaufman, Ltd. (See Eitel, W. W., and McCullough, assignors.)
Heintz & Kaufman, Ltd. (See Scofield, Philip F., assignor.)
Heitmann, Moritz J., Freital, Germany, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Lubrication of surfaces which are exposed to a high temperature. 1,984,214; Dec. 11.
Hele-Shaw, Henry S., and T. E. Beacham, Westminster, London, England. Hydraulic control gear. 1,983,884; Dec. 11.
Hellmers, Henry D., Westend, assignor to West End Chemical Company, Oakland, Calif. Purification of sodium carbonate. 1,984,342; Dec. 11.
Henry, Arthur H., Philadelphia, Pa. Confection wagon. Des. 94,028; Dec. 11.
Hepworth, Harry, Cheam, and F. D. Leicester, St. Helens, England, assignors to Imperial Chemical Industries Limited. Manufacture of acetic anhydride. 1,983,541; Dec. 11.
Hercher, Leroy E., St. Louis, Mo. Variable speed transmission mechanism. 1 983,852; Dec. 11.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,983,664; Dec. 11.
Hessmert, August, Brugge, Germany. Handle grip. 1,983,756; Dec. 11.
Hewitt, Ernest W., Stamford, Conn., assignor to The Western Union Telegraph Company, New York, N. Y. Type aligning apparatus. 1,983,904; Dec. 11.
Hibasco, Steven, Palo Alto, Calif. Piston construction. 1,984,266; Dec. 11.
Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Casting massive structures. 1 983,757; Dec. 11.
Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Apparatus for casting massive structures. 1,983,758; Dec. 11.
Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process and bleach bath for use therein. 1,984,133; Dec. 11.
Hickok, Robert D., assignor to Cleveland Patents Incorporated, Cleveland, Ohio. Electrical measuring instrument. 1,983,665; Dec. 11.
Higgins, Robert W. (See Perin, Donald W., assignor.)
Hiller, Charles, jr. (See Knox, H. A., and Hiller.)
Hillman, Albert G., assignor of one-half to Colourgravure Limited, London, England. Cinematograph camera. 1,983,800; Dec. 11.

Hillstrom, Rudolph J., Marshfield, Oreg. Carbonizer. 1,983,801; Dec. 11.

Himmel Brothers Company, The. (See Himmel, Fred and I., assignors.)

Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn, Structural member. 1,984,134; Dec. 11.

Himmel, Isidore. (See Himmel, Fred and I.)

Hines, John E., Saugus, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Rotary display stand. 1,984,343; Dec. 11.

Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)

Hoe, Robert, Hyde Park, N. Y. Slicing mechanism. 1,983,666; Dec. 11.

Hoelkeskamp, Franz, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Impregnation of textiles. 1,984,306; Dec. 11.

Hoffmann, Hugo, New York, N. Y., and M. Luedtke, Weehawken, N. J. Automatic die casting machine. 1,984,189; Dec. 11.

Hofft, M. A., Company. (See Hofft, M. A., and Squires, assignors.)

Hofft, Maurice A., Indianapolis, Ind., and W. M. Squires, Cincinnati, Ohio, assignors to The M. A. Hofft Company, Indianapolis, Ind. Refuse burning furnace. 1,984,344; Dec. 11.

Holder, Joseph R., Ainsworth, Nebr. Spot locating and drying apparatus. 1,984,267; Dec. 11.

Holloway, John Q. A., New York, N. Y., assignor to National Sound System, Inc., Jersey City, N. J. Optical sound recording and reproducing system. 1,983,697; Dec. 11.

Holt, Lee C., Edgemoor, and H. W. Daudt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alkyl halides. 1,983,542; Dec. 11.

Hoover, Ray, and F. C. Collings, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Divided channel system. 1,983,905; Dec. 11.

Hopkins, Cecil W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,983,853; Dec. 11.

Horner, Harry H., Chattanooga, Tenn. Anchoring device. 1,984,268; Dec. 11.

Hotchkiss, Maurice. (See Williams, William H., assignor.)

Hotchner, Fred, Los Angeles, Calif. Vacuum vessel and illuminating device. 1,984,215; Dec. 11.

Houston, Albert J. R., Omaha, Nebr. Air conditioning apparatus. 1,984,135; Dec. 11.

Houston, Robert L., New York, N. Y. Automatic selecting and distributing system for radio reception. 1,983,759; Dec. 11.

Howard, James H., and J. H. McEvoy, jr., assignors to J. G. McEvoy Company, Houston, Tex. Well production apparatus. 1,983,854; Dec. 11.

Howlett, Frank H., Oakland, Calif. Vegetable slicer and shredder. 1,984,216; Dec. 11.

Hudson, H. D., Manufacturing Company. (See Keating, Maurice H., assignor.)

Hudson, Willis T., Memphis, Tenn. Swimming shoe. 1,983,609; Dec. 11.

Huebner, William C., Chicago, Ill. Photographic printing apparatus. 1,984,217; Dec. 11.

Huegiin, Herman C., assignor to Federal Merchandise Company, Chicago, Ill. Air circulator. Des. 94,029; Dec. 11.

Huffine, Kenneth W., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind. Mineral fiber soundproof panel. 1,984,190; Dec. 11.

Huggins, Bemis, Humboldt, Tenn. Foldable crate. 1,984,269; Dec. 11.

Hults, Willard L., Millburn, N. J. Nail file. Des. 94,030; Dec. 11.

Humason, Granville A., and M. Manning, Houston, Tex. Casing head equipment. 1,983,938; Dec. 11.

Hurxthal, Alpheus O. and F. E., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Warp drier. 1,984,270; Dec. 11.

Hurxthal, Frederick E. (See Hurxthal, Alpheus O. and F. E.)

Hutt, George A. (See Hutt, Robert J. and G. A.)

Hutt, Robert J. and G. A., Brooklyn, N. Y. Dolly. Des. 94,031; Dec. 11.

I-T-E Circuit Breaker Company. (See Scott, William M., assignor.)

Illsley, Frank P., Norton Township, Muskegon County, Mich. Shutter operating mechanism. 1,983,543; Dec. 11.

Imperial Chemical Industries Limited. (See Hepworth, H., and Leicester, assignors.)

Indestro Manufacturing Corp. (See Rice, Harold G., assignor.)

Indiana Steel & Wire Company. (See Crapo, Frederick M., assignor.)

Industrial Chemical Sales Company, Inc. (See Haywood, Gerald, assignor.)

Industrial Chemical Sales Company, Inc. (See Statham, N., and Leek, assignors.)

Industrial Developments Corporation. (See Wilkins, Richard A., assignor.)

Ingelsrud, Hildor, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Arrangement for supply of current to electrothermic melting furnaces. 1,983,544; Dec. 11.

Ingersoll-Rand Company. (See Baker, Charles S., assignor.)

Ingersoll Steel and Disc Co. (See Ingersoll, Stephen L., assignor.)

Ingersoll, Stephen L., assignor to Ingersoll Steel and Disc Co., Chicago, Ill. Making composite metallic articles. 1,983,760; Dec. 11.

International Harvester Company. (See Engstrom, G. W., Faverty, and Walker, assignors.)

International Motor Company. (See Masury, A. F., and Kohlberger, assignors.)

International Nickel Company, Inc., The. (See Hanlon, Anthony J., assignor.)

International Postal Supply Company. (See Persson, Ernst, assignor.)

International Vitacrine Laboratory Corporation. (See McCrabbe, Hughbert W. M., assignor.)

Inventia Patent-Verwertungs-Gesellschaft. (See Karlstrom, Fredrik J. R., assignor.)

Irmscher, Hans, assignor to Millie Patent Holding Co. Inc., New York, N. Y. Inking mechanism for printing presses. 1,983,610; Dec. 11.

Isherwood, Joseph W., Chislehurst, Kent, England. Ship construction. 1,984,271; Dec. 11.

Ivanoff, Leonid, Helsingfors, and P. O. Björkman, Tainionkoski, Finland. Treating chlorates for blasting purposes and product thereof. Re19,394; Dec. 11.

Jackson, Alexander F., Mount Vernon, assignor to U S L Battery Corporation, Niagara Falls, N. Y. Storage battery. 1,983,611; Dec. 11.

Jackson & Perkins Company. (See Pahissa, Lorenzo, assignor.)

Jacobs, Oliver B., Morristown, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 1,984,066; Dec. 11.

Jacobs, Sol, Elmwood Park, Ill., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Beverage dispenser. Des. 94,032; Dec. 11.

Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Weldless die block for extrusion presses and extruding. 1,983,761; Dec. 11.

Jacoby, Rosalie S. (See Schmiett, Ferdinand, assignor.)

Jenkins, William F., Hammond, Ind. Shaft seal. 1,983,855; Dec. 11.

Johns-Manville Corporation. (See Mazza, Adolfo, assignor.)

Johnson, Arthur E., Southgate, assignor of thirty per cent to Hazard & Miller and twenty-five per cent to J. F. D. Withrow, Los Angeles, Calif. Rotary well drilling apparatus. 1,983,545; Dec. 11.

Johnson, Clarence G., assignor to Overhead Door Corporation, Hartford City, Ind. Spring counterbalance for vertically slidable doors. 1,983,856; Dec. 11.

Johnson, Howard F., assignor to The Champion Machine & Forging Company, Cleveland, Ohio. Method and machine for forming channel-shaped articles. 1,984,020; Dec. 11.

Johnson, Howard F., assignor to The Champion Machine and Forging Company, Cleveland, Ohio. Machine for forming forgings. 1,984,021; Dec. 11.

Johnson, Linn D., assignor to The Knox Company, Kansas City, Mo. Container. 1,984,351; Dec. 11.

Johnson, Maxwell O., Wahiawa, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Fumigating soils and compound for use therein. 1,983,546; Dec. 11.

Johnstone, Edward. (See Larson, L., and Johnstone.)

Jones, Lester L., Oradell, N. J., and J. A. Flanzer, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Manufacture of electron emission tubes. 1,983,668; Dec. 11.

Jones, Lloyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Fruit washing machine. 1,983,906; Dec. 11.

Jones, Lucian N. (See Smith, H. L., jr., and Jones.)

Junkers, Hugo, Dessau, Germany. Member for frame work. 1,983,612; Dec. 11.

Kagan, James, Chicago, Ill. Electric magnetic tripping device. 1,983,857; Dec. 11.

Kammerdiner, James A. (See McCullough, Ira J., assignor.)

Kapernick, Georg F., Frankfort-on-the-Main, Germany, assignor to American Optical Company, Smithbridge, Mass. Spectacles. 1,984,136; Dec. 11.

Kapital & Industriewerte A. G. (See Dederer, Richard, assignor.)

Karlström, Fredrik J. R., Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Surface treating device. 1,983,640; Dec. 11.

Karnes, Orin E., Caldwell, Tex. Display stand. 1,983,858; Dec. 11.

Kaufmann, Herbert, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. Printer carriage control for cash registers. 1,983,698; Dec. 11.

Kaufmann, K., & Co. (See Lacher, Samuel, assignor.)

Keating, Maurice H., Minneapolis, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Antiroost device. 1,983,613; Dec. 11.

Kehr, Abraham B., Philadelphia, Pa. Making waxed paper bags. 1,983,939; Dec. 11.

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Molding apparatus. 1,984,307; Dec. 11.

Kelly, Martin J., New Britain, Conn. Fuel oil burner. 1,984,137; Dec. 11.

Kelsey-Hayes Wheel Corporation. (See Sinclair, Charles W., assignor.)

Kelsey-Hayes Wheel Corporation. (See Wilson, Edwin P., assignor.)

Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Kennedy, Howard L., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Mechanic's kit. 1,984,345; Dec. 11.

Kennedy, Leo W., Detroit, Mich. Show case. 1,984,138; Dec. 11.

Kennedy Manufacturing Company. (See Kennedy, Howard L., assignor.)

Kennedy, William A., assignor to General Fire Extinguisher Company, Providence, R. I. Alarm actuating apparatus for sprinkler systems and the like. 1,984,067; Dec. 11.

Kenny, Sarah, Bronx, N. Y. License plate frame. 1,983,614; Dec. 11.

Kenyon, William O. (See Staud, C. J., and Kenyon.)

Kidde, Walter, & Company, Inc. (See Buchholz, Max, assignor.)

Kiefer, Edwin F. (See Chaney, N. K., and Kiefer.)

Kimble, Harley E., assignor to General Electric X-Ray Corporation, Chicago, Ill. Electrode. 1,983,669; Dec. 11.

King, James, et al. (See Reynolds, Damian L., assignor.)

King, William E. (See Ennor, W. T., and King.)

Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,983,615; Dec. 11.

Kinnard, Luther J., Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Control system. 1,984,308; Dec. 11.

Kinne, Edmund P., Alliance, Ohio, assignor, by mesne assignments, to Union Metal Products Company, Chicago, Ill. Carry iron wearing plate. 1,983,616; Dec. 11.

Kinnucan, James W., and J. O. Fink, assignors to Continental Motors Corporation, Detroit, Mich. Engine. 1,983,699; Dec. 11.

Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Composition building material. 1,984,218; Dec. 11.

Klatt, Rudolph, assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y. Steering gear for vehicles. 1,984,309; Dec. 11.

Knight, Julian G., Brooklyn, N. Y. Outlet box support. 1,983,670; Dec. 11.

Knollenberg, Rudolf, Lubeck, Germany. Apparatus for applying liquid fats, fat emulsions, and the like to a rotating drum. 1,983,982; Dec. 11.

Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Box making machine. 1,983,547; Dec. 11.

Knox Company, The. (See Johnson, Linn D., assignor.)

Knox, Harry A., Davenport, Iowa, and C. Hiller, jr., St. Louis, Mo. Track for track-laying vehicles. 1,983,548; Dec. 11.

Koch, Roderick M., Evansville, Ind. Metal flower basket. Des. 94,033; Dec. 11.

Koch, Theodoor, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Dressing artificial silk. 1,984,139; Dec. 11.

Kohlberger, Frank J. (See Masury, A. F., and Kohlberger.)

Kohler, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Golf tee mat. 1,983,671; Dec. 11.

Kohlndorfer, Anton, Miesbach, Oberbayern, Germany. Automatic fire and burglar alarm. 1,984,140; Dec. 11.

Komusin, Erich, Berlin, assignor, by mesne assignments, to Johannes Paasch, Magdeburg, Germany. Value-stamping machine. 1,984,141; Dec. 11.

Koomruian, Harry, New York, N. Y., assignor to Tupper Slipper Corporation, Brooklyn, N. Y. Sandal. Des. 94,034; Dec. 11.

Kosken, Wilho A., New York, N. Y., assignor to Wilho A. Kosken, Inc. Continuous projector for natural color projection. 1,984,142; Dec. 11.

Kosken, Wilho, Inc. (See Kosken, Wilho A., assignor.)

Kotzebue, Meinhard H., Tulsa, Okla. Fractionating apparatus. 1,983,762; Dec. 11.

Kozmer, Benjamin, Chicago, Ill. Apparatus for treating footballs, basketballs, or like inflatable balls. Re19,393; Dec. 11.

Krackowizer, Hermann J., assignor to Refrigeration Appliances, Inc., Chicago, Ill. Radiator fin. 1,983,549; Dec. 11.

Kraft, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Intermittent film moving mechanism. 1,984,143; Dec. 11.

Krissiep, Max, and H. Staub, assignors to Textile Machine Works, Wyomissing, Pa. Carrier for braiding machines. 1,984,068; Dec. 11.

Krogh-Lund, Aage T., assignor to I. Kruger A/S., Copenhagen, Denmark. Process and apparatus for reducing the hardness of water. 1,984,219; Dec. 11.

Krohn, Herman C., Oak Park, Ill. Fishing apparatus. 1,984,272; Dec. 11.

Kruger, I., A/S. (See Krogh-Lund, Aage T., assignor.)

Kuechenmeister, Arthur, St. Louis, Mo. Ruler. 1,984,273; Dec. 11.

Kühnel, Carl, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Vacuum cleaning device. 1,984,191; Dec. 11.

Kunath, Fred W. (See Halsey, C. W., and Kunath.)

Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse structure. 1,983,859; Dec. 11.

L. G. S. Devices Corporation. (See Barton, C. H., and Drexler, assignors.)

L. G. S. Devices Corporation. (See Drexler, Charles, assignor.)

L. G. S. Devices Corporation. (See Starkey, William C., assignor.)

Labarthe, Jules, jr., and D. K. Tressler, Pittsburgh, Pa., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Beeswax substitutes and preparing the same. 1,983,672; Dec. 11.

La Bella, Vincent, Brooklyn, N. Y. Vehicle signal. Des. 94,035; Dec. 11.

Lacher, Samuel, New York, N. Y., assignor to K. Kaufmann & Co. Inc. Traveling bag. 1,983,763; Dec. 11.

Lackey, Robert M., Cohoes, N. Y. Knocked down box. 1,983,700; Dec. 11.

Ladon, Aaron A., Lakewood, Ohio. Thermal insulation media. 1,983,617; Dec. 11.

Lakritz, Joseph H., Cleveland Heights, Ohio. Garment. 1,984,310; Dec. 11.

Lamar, Hortensia, and F. de P. Moreno, Marianao, Cuba. Combined armchair and bed device. 1,984,311; Dec. 11.

Lambert, Gordon W. (See Atwater, Dale H., assignor.)

Lamond, John, assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa. Forging apparatus. 1,983,618; Dec. 11.

Lane, Frederick H., E. W. Madge, and E. A. Murphy, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Covering wires, threads, and filaments with rubber composition. 1,983,764; Dec. 11.

Lang, Charles, Jersey City, N. J. Drill rod and detachable bit. 1,984,220; Dec. 11.

Langston, Samuel M., Co. (See Langston, S. M., and Sieg, assignors.)

Langston, Samuel M., Co. (See Sieg, Karl, assignor.)

Langston, Samuel M., Wenonah, N. J., and K. Sieg, Philadelphia, Pa., assignors to Samuel M. Langston Co., Camden, N. J. Cut-off mechanism. 1,984,042; Dec. 11.

Larson, Louis, and E. Johnstone, Katonah, N. Y. Automobile body. 1,983,983; Dec. 11.

Larter & Sons. (See Larter, Warren R., assignor.)

Larter, Warren R., South Orange, assignor to Larter & Sons, Newark, N. J. Combination fastener and connecter. 1,984,069; Dec. 11.

Laugaudin, Eugène, Gentilly, France. Pneumatic shock absorber. 1,984,144; Dec. 11.

LaVercombe, Harley H., Detroit, Mich. Electric cigarette lighter and dispenser. 1,984,070; Dec. 11.

Layer, George. (See Schuck, C., jr., and Layer.)

Layton, Jason G., Olean, N. Y. Hybrid tea rose. Pl. Pt. 115; Dec. 11.

Le Blond-Schacht Truck Co., The. (See Mueller, George, assignor.)

Lee, Ralph L., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,550; Dec. 11.

Leek, Thomas G. (See Statham, N., and Leek.)

Leicester, Fred D. (See Hepworth, H., and Leicester.)

Lent, Vincent R., Sayville, N. Y. Paint and brush protector. 1,983,619; Dec. 11.

Lentheric Incorporated. (See Loesch, Kurt, assignor.)

Leslie, Howard C., Milton, assignor to BRE Manufacturing Co., Hyde Park, Mass. Hinge connection for water closet seats and covers. 1,984,192; Dec. 11.

Lestin, Alfred, Vienna, Austria, assignor to A. Giesel-Gieslingen, New York, N. Y. Bottle holder. 1,984,022; Dec. 11.

Le Tourneau, Robert G., Stockton, Calif. Draft connection for implements. 1,983,860; Dec. 11.

Lewellen, Chester L., assignor to Motor Products Corporation, Detroit, Mich. Power bending apparatus. 1,984,145; Dec. 11.

Lewellen, Jesse N., Indianapolis, Ind. Air heating and conditioning system. 1,983,620; Dec. 11.

Lewis, Frank D., Denver, Colo. Apparatus for recovering gold and other precious metals from milled ores and placer material. 1,983,701; Dec. 11.

Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collector control system. 1,983,940; Dec. 11.

L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Making a molded rubber article. 1,983,667; Dec. 11.

Librett, Chester, assignor of one-half to N. A. Rebelos, New Rochelle, N. Y. Clothesline anchoring device. 1,984,274; Dec. 11.

Liebreich, Oscar P., Jackson Heights, N. Y. Hoisting apparatus. 1,984,071; Dec. 11.

Lignes Telegraphiques et Telephoniques. (See Viard, Georges, assignor.)

Limburg, Hyman, Amsterdam, Netherlands, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Treating dispersions. 1,984,023; Dec. 11.

Limburg, Hyman, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, New York, N. Y. Treating dispersions. 1,984,024; Dec. 11.

Lindahl, Anders. (See Luttropp, Conrad, assignor.)

Hillstrom, Rudolph J., Marshfield, Oreg. Carbonizer. 1,983,801; Dec. 11.

Himmel Brothers Company, The. (See Himmel, Fred and I., assignors.)

Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Structural member. 1,984,134; Dec. 11.

Himmel, Isidore. (See Himmel, Fred and I.)

Hines, John E., Saugus, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Rotary display stand. 1,984,343; Dec. 11.

Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)

Hoe, Robert, Hyde Park, N. Y. Slicing mechanism. 1,983,666; Dec. 11.

Hoelkeskamp, Franz, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Impregnation of textiles. 1,984,306; Dec. 11.

Hoffmann, Hugo, New York, N. Y., and M. Luedtke, Weehawken, N. J. Automatic die casting machine. 1,984,189; Dec. 11.

Hofft, M. A., Company. (See Hofft, M. A., and Squires, assignors.)

Hofft, Maurice A., Indianapolis, Ind., and W. M. Squires, Cincinnati, Ohio, assignors to The M. A. Hofft Company, Indianapolis, Ind. Refuse burning furnace. 1,984,344; Dec. 11.

Holder, Joseph R., Ainsworth, Nebr. Spot locating and drying apparatus. 1,984,267; Dec. 11.

Holloway, John Q. A., New York, N. Y., assignor to National Sound System, Inc., Jersey City, N. J. Optical sound recording and reproducing system. 1,983,697; Dec. 11.

Holt, Lee C., Edgemoor, and H. W. Daudt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alkyl halides. 1,983,542; Dec. 11.

Hoover, Ray, and F. C. Collings, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Divided channel system. 1,983,905; Dec. 11.

Hopkins, Cecil W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,983,853; Dec. 11.

Horner, Harry H., Chattanooga, Tenn. Anchoring device. 1,984,268; Dec. 11.

Hotchkiss, Maurice. (See Williams, William H., assignor.)

Hotchner, Fred, Los Angeles, Calif. Vacuum vessel and illuminating device. 1,984,215; Dec. 11.

Houston, Albert J. R., Omaha, Nebr. Air conditioning apparatus. 1,984,135; Dec. 11.

Houston, Robert L., New York, N. Y. Automatic selecting and distributing system for radio reception. 1,983,769; Dec. 11.

Howard, James H., and J. H. McEvoy, jr., assignors to J. G. McEvoy Company, Houston, Tex. Well production apparatus. 1,983,854; Dec. 11.

Howlett, Frank H., Oakland, Calif. Vegetable slicer and shredder. 1,984,216; Dec. 11.

Hudson, H. D., Manufacturing Company. (See Keating, Maurice H., assignor.)

Hudson, Willis T., Memphis, Tenn. Swimming shoe. 1,983,609; Dec. 11.

Huebner, William C., Chicago, Ill. Photographic printing apparatus. 1,984,217; Dec. 11.

Hueglin, Herman C., assignor to Federal Merchandise Company, Chicago, Ill. Air circulator. Des. 94,029; Dec. 11.

Huffine, Kenneth W., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind. Mineral fiber soundproof panel. 1,984,190; Dec. 11.

Huggins, Bemis, Humboldt, Tenn. Foldable crate. 1,984,269; Dec. 11.

Hults, Willard L., Millburn, N. J. Nail file. Des. 94,030; Dec. 11.

Humason, Granville A., and M. Manning, Houston, Tex. Casing head equipment. 1,983,938; Dec. 11.

Hurxthal, Alpheus O. and F. E., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Warp drier. 1,984,270; Dec. 11.

Hurxthal, Frederick E. (See Hurxthal, Alpheus O. and F. E.)

Hutt, George A. (See Hutt, Robert J. and G. A.)

Hutt, Robert J. and G. A., Brooklyn, N. Y. Doily. Des. 94,031; Dec. 11.

I-T-E Circuit Breaker Company. (See Scott, William M., assignor.)

Illsley, Frank P., Norton Township, Muskegon County, Mich. Shutter operating mechanism. 1,983,543; Dec. 11.

Imperial Chemical Industries Limited. (See Hepworth, H., and Leicester, assignors.)

Indestro Manufacturing Corp. (See Rice, Harold G., assignor.)

Indiana Steel & Wire Company. (See Crapo, Frederick M., assignor.)

Industrial Chemical Sales Company, Inc. (See Haywood, Gerald, assignor.)

Industrial Chemical Sales Company, Inc. (See Statham, N., and Leek, assignors.)

Industrial Developments Corporation. (See Wilkins, Richard A., assignor.)

Ingelsrud, Hildor, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Arrangement for supply of current to electrothermic melting furnaces. 1,983,544; Dec. 11.

Ingersoll-Rand Company. (See Baker, Charles S., assignor.)

Ingersoll Steel and Disc Co. (See Ingersoll, Stephen L., assignor.)

Ingersoll, Stephen L., assignor to Ingersoll Steel and Disc Co., Chicago, Ill. Making composite metallic articles. 1,983,760; Dec. 11.

International Harvester Company. (See Engstrom, G. W., Faverty, and Walker, assignors.)

International Motor Company. (See Masury, A. F., and Kohlberger, assignors.)

International Nickel Company, Inc., The. (See Hanlon, Anthony J., assignor.)

International Postal Supply Company. (See Persson, Ernst, assignor.)

International Vitacrine Laboratory Corporation. (See McCrabbe, Hughbert W. M., assignor.)

Inventia Patent-Verwertungs-Gesellschaft. (See Karlstrom, Fredrik J. R., assignor.)

Irmscher, Hans, assignor to Millie Patent Holding Co. Inc., New York, N. Y. Inking mechanism for printing presses. 1,983,610; Dec. 11.

Isherwood, Joseph W., Chislehurst, Kent, England. Ship construction. 1,984,271; Dec. 11.

Ivanoff, Leonid, Helsingfors, and P. O. Björkman, Tainionkoski, Finland. Treating chlorates for blasting purposes and product thereof. Re19,394; Dec. 11.

Jackson, Alexander F., Mount Vernon, assignor to U S L Battery Corporation, Niagara Falls, N. Y. Storage battery. 1,983,611; Dec. 11.

Jackson & Perkins Company. (See Pahissa, Lorenzo, assignor.)

Jacobs, Oliver B., Morristown, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 1,984,066; Dec. 11.

Jacobs, Sol, Elmwood Park, Ill., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Beverage dispenser. Des. 94,032; Dec. 11.

Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Weldless die block for extrusion presses and extruding. 1,983,761; Dec. 11.

Jacoby, Rosalie S. (See Schmiett, Ferdinand, assignor.)

Jenkins, William F., Hammond, Ind. Shaft seal. 1,983,855; Dec. 11.

Johns-Manville Corporation. (See Mazza, Adolfo, assignor.)

Johnson, Arthur E., Southgate, assignor of thirty per cent to Hazard & Miller and twenty-five per cent to J. F. D. Withrow, Los Angeles, Calif. Rotary well drilling apparatus. 1,983,545; Dec. 11.

Johnson, Clarence G., assignor to Overhead Door Corporation, Hartford City, Ind. Spring counterbalance for vertically slidable doors. 1,983,856; Dec. 11.

Johnson, Howard F., assignor to The Champion Machine & Forging Company, Cleveland, Ohio. Method and machine for forming channel-shaped articles. 1,984,020; Dec. 11.

Johnson, Howard F., assignor to The Champion Machine and Forging Company, Cleveland, Ohio. Machine for forming forgings. 1,984,021; Dec. 11.

Johnson, Linn D., assignor to The Knox Company, Kansas City, Mo. Container. 1,984,351; Dec. 11.

Johnson, Maxwell O., Wahiawa, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Fumigating soils and compound for use therein. 1,983,546; Dec. 11.

Johnstone, Edward. (See Larson, L., and Johnstone.)

Jones, Lester L., Oradell, N. J., and J. A. Flanzer, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Manufacture of electron emission tubes. 1,983,668; Dec. 11.

Jones, Lloyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Fruit washing machine. 1,983,906; Dec. 11.

Jones, Lucian N. (See Smith, H. L., jr., and Jones.)

Junkers, Hugo, Dessau, Germany. Member for frame work. 1,983,612; Dec. 11.

Kagan, James, Chicago, Ill. Electric magnetic tripping device. 1,983,857; Dec. 11.

Kammerdiner, James A. (See McCullough, Ira J., assignor.)

Kapernick, Georg F., Frankfort-on-the-Main, Germany, assignor to American Optical Company, Smithbridge, Mass. Spectacles. 1,984,136; Dec. 11.

Kapital & Industriewerte A. G. (See Dederer, Richard, assignor.)

Karlström, Fredrik J. R., Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Surface treating device. 1,983,640; Dec. 11.

Karnes, Orin E., Caldwell, Tex. Display stand. 1,983,858; Dec. 11.

Kaufmann, Herbert, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. Printer carriage control for cash registers. 1,983,698; Dec. 11.

Kaufmann, K., & Co. (See Lacher, Samuel, assignor.)

Keating, Maurice H., Minneapolis, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Antiroost device. 1,983,613; Dec. 11.

Kehr, Abraham B., Philadelphia, Pa. Making waxed paper bags. 1,983,939; Dec. 11.

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Molding apparatus. 1,984,307; Dec. 11.

Kelly, Martin J., New Britain, Conn. Fuel oil burner. 1,984,137; Dec. 11.

Kelsey-Hayes Wheel Corporation. (See Sinclair, Charles W., assignor.)

Kelsey-Hayes Wheel Corporation. (See Wilson, Edwin P., assignor.)

Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Kennedy, Howard L., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Mechanic's kit. 1,984,345; Dec. 11.

Kennedy, Leo W., Detroit, Mich. Show case. 1,984,138; Dec. 11.

Kennedy Manufacturing Company. (See Kennedy, Howard L., assignor.)

Kennedy, William A., assignor to General Fire Extinguisher Company, Providence, R. I. Alarm actuating apparatus for sprinkler systems and the like. 1,984,067; Dec. 11.

Kenny, Sarah, Bronx, N. Y. License plate frame. 1,983,614; Dec. 11.

Kenyon, William O. (See Staud, C. J., and Kenyon.)

Kidde, Walter, & Company, Inc. (See Buchholz, Max, assignor.)

Kiefer, Edwin F. (See Chaney, N. K., and Kiefer.)

Kimble, Harley E., assignor to General Electric X-Ray Corporation, Chicago, Ill. Electrode. 1,983,669; Dec. 11.

King, James, et al. (See Reynolds, Damian L., assignor.)

King, William E. (See Ennor, W. T., and King.)

Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,983,615; Dec. 11.

Kinnard, Luther J., Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Control system. 1,984,308; Dec. 11.

Kinne, Edmund P., Alliance, Ohio, assignor, by mesne assignments, to Union Metal Products Company, Chicago, Ill. Carry iron wearing plate. 1,983,616; Dec. 11.

Kinnucan, James W., and J. O. Fink, assignors to Continental Motors Corporation, Detroit, Mich. Engine. 1,983,699; Dec. 11.

Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Composition building material. 1,984,218; Dec. 11.

Klatt, Rudolph, assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y. Steering gear for vehicles. 1,984,309; Dec. 11.

Knight, Julian G., Brooklyn, N. Y. Outlet box support. 1,983,670; Dec. 11.

Knollenberg, Rudolf, Lubeck, Germany. Apparatus for applying liquid fats, fat emulsions, and the like to a rotating drum. 1,983,982; Dec. 11.

Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Box making machine. 1,983,547; Dec. 11.

Knox Company, The. (See Johnson, Linn D., assignor.)

Knox, Harry A., Davenport, Iowa, and C. Hiller, jr., St. Louis, Mo. Track for track-laying vehicles. 1,983,548; Dec. 11.

Koch, Roderick M., Evansville, Ind. Metal flower basket. Des. 94,033; Dec. 11.

Koch, Theodoor, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Dressing artificial silk. 1,984,139; Dec. 11.

Kohlberger, Frank J. (See Masury, A. F., and Kohlberger.)

Kohler, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Golf tee mat. 1,983,671; Dec. 11.

Kohlndorfer, Anton, Miesbach, Oberbayern, Germany. Automatic fire and burglar alarm. 1,984,140; Dec. 11.

Komusin, Erich, Berlin, assignor, by mesne assignments, to Johannes Paasch, Magdeburg, Germany. Value-stamping machine. 1,984,141; Dec. 11.

Koomrulan, Harry, New York, N. Y., assignor to Tupper Slipper Corporation, Brooklyn, N. Y. Sandal. Des. 94,034; Dec. 11.

Kosken, Wilho A., New York, N. Y., assignor to Wilho A. Kosken, Inc. Continuous projector for natural color projection. 1,984,142; Dec. 11.

Kosken, Wilho, Inc. (See Kosken, Wilho A., assignor.)

Kotzebue, Meinhard H., Tulsa, Okla. Fractionating apparatus. 1,983,762; Dec. 11.

Kozmer, Benjamin, Chicago, Ill. Apparatus for treating footballs, basketballs, or like inflatable balls. Re19,393; Dec. 11.

Krackowizer, Hermann J., assignor to Refrigeration Appliances, Inc., Chicago, Ill. Radiator fin. 1,983,540; Dec. 11.

Kraft, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Intermittent film moving mechanism. 1,984,143; Dec. 11.

Krissiep, Max, and H. Staub, assignors to Textile Machine Works, Wyomissing, Pa. Carrier for braiding machines. 1,984,068; Dec. 11.

Krogh-Lund, Aage T., assignor to I. Kruger A/S., Copenhagen, Denmark. Process and apparatus for reducing the hardness of water. 1,984,219; Dec. 11.

Krohn, Herman C., Oak Park, Ill. Fishing apparatus. 1,984,272; Dec. 11.

Kruger, I., A/S. (See Krogh-Lund, Aage T., assignor.)

Kuechenmeister, Arthur, St. Louis, Mo. Ruler. 1,984,273; Dec. 11.

Kühnel, Carl, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Vacuum cleaning device. 1,984,191; Dec. 11.

Kunath, Fred W. (See Halsey, C. W., and Kunath.)

Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse structure. 1,983,859; Dec. 11.

L. G. S. Devices Corporation. (See Barton, C. H., and Drexler, assignors.)

L. G. S. Devices Corporation. (See Drexler, Charles, assignor.)

L. G. S. Devices Corporation. (See Starkey, William C., assignor.)

Labarthe, Jules, jr., and D. K. Tressler, Pittsburgh, Pa., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Beeswax substitutes and preparing the same. 1,983,672; Dec. 11.

La Bella, Vincent, Brooklyn, N. Y. Vehicle signal. Des. 94,035; Dec. 11.

Lacher, Samuel, New York, N. Y., assignor to K. Kaufmann & Co. Inc. Traveling bag. 1,983,763; Dec. 11.

Lackey, Robert M., Cohoes, N. Y. Knocked down box. 1,983,700; Dec. 11.

Ladon, Aaron A., Lakewood, Ohio. Thermal insulation media. 1,983,617; Dec. 11.

Lakritz, Joseph H., Cleveland Heights, Ohio. Garment. 1,984,310; Dec. 11.

Lamar, Hortensia, and F. de P. Moreno, Marianao, Cuba. Combined armchair and bed device. 1,984,311; Dec. 11.

Lambert, Gordon W. (See Atwater, Dale H., assignor.)

Lamond, John, assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa. Forging apparatus. 1,983,618; Dec. 11.

Lane, Frederick H., E. W. Madge, and E. A. Murphy, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Covering wires, threads, and filaments with rubber composition. 1,983,764; Dec. 11.

Lang, Charles, Jersey City, N. J. Drill rod and detachable bit. 1,984,220; Dec. 11.

Langston, Samuel M., Co. (See Langston, S. M., and Sieg, assignors.)

Langston, Samuel M., Co. (See Sieg, Karl, assignor.)

Langston, Samuel M., Wenonah, N. J., and K. Sieg, Philadelphia, Pa., assignors to Samuel M. Langston Co., Camden, N. J. Cut-off mechanism. 1,984,042; Dec. 11.

Larson, Louis, and E. Johnstone, Katonah, N. Y. Automobile body. 1,983,983; Dec. 11.

Larter & Sons. (See Larter, Warren R., assignor.)

Larter, Warren R., South Orange, assignor to Larter & Sons, Newark, N. J. Combination fastener and connecter. 1,984,069; Dec. 11.

Laugaudin, Eugène, Gentilly, France. Pneumatic shock absorber. 1,984,144; Dec. 11.

LaVercombe, Harley H., Detroit, Mich. Electric cigarette lighter and dispenser. 1,984,070; Dec. 11.

Layer, George. (See Schuck, C., jr., and Layer.)

Layton, Jason G., Olean, N. Y. Hybrid tea rose. Pl. Pt. 115; Dec. 11.

Le Blond-Schacht Truck Co., The. (See Mueller, George, assignor.)

Lee, Ralph L., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,550; Dec. 11.

Leek, Thomas G. (See Statham, N., and Leek.)

Leicester, Fred D. (See Hepworth, H., and Leicester.)

Lent, Vincent R., Sayville, N. Y. Paint and brush protector. 1,983,619; Dec. 11.

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Leslie, Howard C., Milton, assignor to BRE Manufacturing Co., Hyde Park, Mass. Hinge connection for water closet seats and covers. 1,984,192; Dec. 11.

Lestin, Alfred, Vienna, Austria, assignor to A. Giesel-Gieslingen, New York, N. Y. Bottle holder. 1,984,022; Dec. 11.

Le Tourneau, Robert G., Stockton, Calif. Draft connection for implements. 1,983,860; Dec. 11.

Lewellen, Chester L., assignor to Motor Products Corporation, Detroit, Mich. Power bending apparatus. 1,984,145; Dec. 11.

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Lewis, Frank D., Denver, Colo. Apparatus for recovering gold and other precious metals from milled ores and placer material. 1,983,701; Dec. 11.

Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collector control system. 1,983,940; Dec. 11.

L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Making a molded rubber article. 1,983,667; Dec. 11.

Librett, Chester, assignor of one-half to N. A. Rebelos, New Rochelle, N. Y. Clothesline anchoring device. 1,984,274; Dec. 11.

Liebreich, Oscar P., Jackson Heights, N. Y. Hoisting apparatus. 1,984,071; Dec. 11.

Lignes Telegraphiques et Telephoniques. (See Viard, Georges, assignor.)

Limburg, Hyman, Amsterdam, Netherlands, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Treating dispersions. 1,984,023; Dec. 11.

Limburg, Hyman, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, New York, N. Y. Treating dispersions. 1,984,024; Dec. 11.

Lindahl, Anders. (See Luttropp, Conrad, assignor.)

Lindberg, Axel N., Evanston, Ill. Heat-treating apparatus. 1,983,551; Dec. 11.
Lindberg, Nils C., Crete, Ill., assignor to Victor Chemical Works. Production of disodium phosphate. 1,984,146; Dec. 11.
Lindner, Martin, Glauchan, Germany. Limb heater. 1,983,907; Dec. 11.
Lindsley, George F., Milwaukee, Wis. Ground base block. 1,984,221; Dec. 11.
Line Material Company. (See Kyle, William D., assignor.)
Link-Belt Company. (See Morrish, C. B., and Rex, assignors.)
Lipe, W. C. Inc. (See Spase, Charles B., assignor.)
Lippert, Henry E., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Stoker fuel distributing apparatus. 1,984,025; Dec. 11.
Lippmann, Ludwig M., Berlin, Germany. Denicotinizing tobacco. 1,983,908; Dec. 11.
Lithographic Technical Foundations, Inc., The. (See Reed, Robert F., assignor.)
Little, Thomas J., Riverdale, assignor to Anaconda Wire & Cable Company, New York, N. Y. Connecter. 1,984,026; Dec. 11.
Livingston, Jay K., assignor of one-fourth to J. R. Cole and one-fourth to Patent Securities Company, Tulsa, Okla. Hair trenting apparatus and also permanently straightening hair on a human head. 1,983,909; Dec. 11.
Locke Insulator Corporation. (See Hawley, Kent A., assignor.)
Locke Insulator Corporation. (See Rowland, Davidge H., assignor.)
Loesch, Kurt, East Rockaway, assignor to Lentheric Incorporated, New York, N. Y. Atomizing cap. Des. 94,036; Dec. 11.
Loewe, Siegmund and B. Wienecke, Berlin, Germany. Indirectly heated cathode. 1,983,621; Dec. 11.
Loichot, Raymond W. (See Bahl, John I., assignor.)
Long, Benjamin J., Lakewood, Ohio, assignor to B. J. Long, Niagara Falls, N. Y. Packaging and forming weatherstrip material. 1,984,346; Dec. 11.
Long, B. Joel. (See Long, Benjamin J., assignor.)
Loring, Thomas W., Lansing, assignor to General Motors Corporation, Detroit, Mich. Fender well wheel lock. 1,983,765; Dec. 11.
Loth, William A., assignor to Societe Industrielle des Procedes W. A. Loth, Paris, France. Annulling the effect of stray fields on radio receiving systems. Re19,395; Dec. 11.
Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener and making the same. 1,983,622; Dec. 11.
Lowe, Joseph N., New York, N. Y. Closet or wardrobe. 1,984,193; Dec. 11.
Luckenbaugh, Marcy L., Berkeley, Calif., and T. D. Radcliffe, Brookville, Pa., assignors to Standard Oil Company of California, San Francisco, Calif. Arc welding electrode and making the same. 1,983,552; Dec. 11.
Lüdecke, Georg, Munich, Germany. Making a dry cell bobbin. 1,983,623; Dec. 11.
Ludington, Lawrence L., assignor to Ball Brothers Company, Muncie, Ind. Machine for applying sealing annull to receptacle covers. 1,984,223; Dec. 11.
Luedtke, Max. (See Hoffmann, H., and Luedtke.)
Lummerzheim, Hermann, Dessau-Ziebigk, and E. Schnitzler, Dessau-in-Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Inscription bearing film and ink for making same. 1,983,910; Dec. 11.
Lundgren, Edwin, Frederick, Md., assignor to Foster Wheeler Corporation, New York, N. Y. Boiler. 1,983,624; Dec. 11.
Luppert, Valentine C., Williamsport, Pa. Exercising apparatus. 1,983,911; Dec. 11.
Luttropp, Conrad, assignor of one-half to Anders Lindahl, Stockholm, Sweden. Calculating machine. 1,983,625; Dec. 11.
Luyster, Homer B., Black Diamond, Wash. Horn control device. 1,983,912; Dec. 11.
Lyman, Alfred T. (See Sherwood, Glenn L., assignor.)
Lyons, Arthur G., Pennside, and W. H. Sterrett, assignors to Reading Hardware Corporation, Reading, Pa. Adjustable lock strike. 1,984,222; Dec. 11.
Lyons, George W., Hamden, assignor to The General Mechanical Company, New Haven, Conn. Baking apparatus. 1,984,027; Dec. 11.
Lytle, William O., New Kensington, Pa., assignor to Duplate Corporation. Moving picture screen. 1,983,626; Dec. 11.
Maas, Julian, St. Louis, Mo. Rotary display apparatus. 1,983,861; Dec. 11.
Maccabee, David E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,760; Dec. 11.
Macdougall, Bon, Los Angeles, Calif., assignor to F. C. McClellan, Chicago, Ill. Game apparatus. 1,983,811; Dec. 11.
Machined Steel Casting Company, The. (See Hick, Harry J., assignor.)
Macleod, Keith, Brookline, assignor to F. E. Berry, jr., & Co. Inc., Boston, Mass. Wall or ceiling construction. 1,984,028; Dec. 11.
Madge, Evelyn W. (See Lane, F. H., Madge, and Murphy.)
Madsen, Andrew, Stillwater, Minn. Sprayer. 1,983,627; Dec. 11
Magazine Repeating Razor Company. (See Casselman, Elbridge J., assignor.)
Magnesium Development Corporation. (See Paine, Roy E., assignor.)
Mahana, Charles G., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Vehicle control. 1,983,628; Dec. 11.
Mallina, Rudolph F., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and apparatus for manipulating talking machine or phonograph records. 1,983,941; Dec. 11.
Mallory, Marion, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio. Distributor. 1,984,275; Dec. 11.
Mallory, Marion, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio. Distributor. 1,984,276; Dec. 11.
Mallory, P. R., and Co., Incorporated. (See Sieger, George N., assignor.)
Mallory Research Company. (See Mallory, Marion, assignor.)
Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Production of cellulose esters and corresponding alkyl esters. 1,984,147; Dec. 11.
Maness, Leslie G., and A. H. Osgood, Portland, Oreg. Soil warming device and manufacturing same. 1,983,862; Dec. 11.
Manning, Margia. (See Humason, G. A., and Manning.)
Manson, George J., Hawkesbury, Ontario, Canada. Apparatus for the production of pressed fibrous articles. 1,983,553; Dec. 11.
Manson, George J., Hawkesbury, Ontario, Canada. Process and apparatus for finishing pressed fibrous articles. 1,983,554; Dec. 11.
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Automatic lighter. 1,983,863; Dec. 11.
Marinsky, Davis. (See Morin, L. H., and Marinsky.)
Marti, Paul, assignor to the firm Schweiz. Lokomotiv & Maschinenfabrik, Winterthur, Switzerland. Method of and machine for casting type patrices. 1,983,913; Dec. 11.
Martin, Thomas, New York, N. Y. Automobile pit. 1,983,984; Dec. 11.
Masterman, Cyril A., Westminster, assignor to The Gas Light and Coke Company, London, England. Valve for controlling and/or regulating the flow of fluid. 1,983,619; Dec. 11.
Masury, Alfred F., New York, and F. J. Kohlberger, Whitestone, assignors to International Motor Company, New York, N. Y. Rubber articulated endless track. 1,984,072; Dec. 11.
Mathieson Alkali Works, Inc., The. (See Labarthe, J., jr., and Tressler, assignors.)
Mathiessen, Ira C., Chicago, Ill. Variable speed power transmission. 1,983,702; Dec. 11.
Mathys-Müller, Carl, Zollikerberg, Switzerland. Epicyclic gearing, intended particularly for power driven vehicles. 1,983,804; Dec. 11.
Matthias, Eugen, St. Moritz, Switzerland. Arch supporting plate. 1,983,630; Dec. 11.
Maxant, William T., Ayer, Mass. Pinking machine. 1,984,224; Dec. 11.
May, Joseph. (See Watkins, R. C., and May.)
Maytag Company, The. (See Mikulasek, John, assignor.)
Mazza, Adolfo, Genoa, Italy, assignor to Johns-Manville Corporation, New York, N. Y. Process and machinery for the manufacture of asbestos-cement pipes of a small diameter and of little thickness. 1,984,073; Dec. 11.
McBee Company, The. (See Rutkoskie, George A., assignor.)
McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 94,037; Dec. 11.
McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens grinding machine. 1,984,074; Dec. 11.
McCann, John A., Burlington, N. J. Leg stump sock. 1,983,914; Dec. 11.
McCann, Michael, Glen Morris, N. Y., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J. Method of and apparatus for forming group stitches. 1,983,555; Dec. 11.
McCann, Thomas A. (See Watson, E. F., and McCann.)
McCleary, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,983,864; Dec. 11.
McClellan, Fred C. (See Macdougall, Bon, assignor.)
McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,983,915; Dec. 11.
McCrabbe, Hughbert W. M., Los Angeles, Calif., assignor to International Vitacrine Laboratory Corporation, New York, N. Y. Treatment of perishable materials for fixation. 1,983,556; Dec. 11.
McCullough, Ira J., Huntington Park, assignor to J. A. Kammerdiner, Los Angeles, Calif. Jar. 1,983,865; Dec. 11.
McCullough, Jack. (See Eitel, W. W., and McCullough.)
McEvoy, J. H., & Company. (See Howard, J. H., and McEvoy, assignors.)
McEvoy, Joseph H., jr. (See Howard, J. H., and McEvoy.)

McFadden, George H., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Gas heater. Des. 94,038; Dec. 11.
McFarland, James C., Fort Thomas, assignor to The Wadsworth Watch Case Company, Incorporated, Dayton, Ky. Age hardening silver of sterling or higher standard. 1,984,225; Dec. 11.
McGavack, John, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber latex. 1,983,703; Dec. 11.
McGill, Henry, Canterbury, Melbourne, Victoria, Australia. Variable speed power transmission mechanism. 1,983,916; Dec. 11.
McIntyre, John C., St. Petersburg Fla., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Corn cutter. 1,983,557; Dec. 11.
McKeefe, Edward P. (See Bradley, L., and McKeefe.)
McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Photocell circuits. 1,984,312; Dec. 11.
Meixell, John W., Lewisburg, Pa. Plant support. 1,983,985; Dec. 11.
Mensing, Richard, Neustadt/Haardt, Germany. Cleansing apparatus for waste water and operating the same. 1,984,029; Dec. 11.
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Meredith, Sherman C. (See Moroney, C. J., Meredith and Meserole.)
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Burt, Harold A., assignor.)
Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
Mergenthaler Linotype Company. (See Mulroy, William J., assignor.)
Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Looper carrier. 1,983,631; Dec. 11.
Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)
Meserole, Kenneth A. (See Moroney, C. J., Meredith and Meserole.)
Messersmith, Brainard H., Washington, D. C. Antiskid chain. 1,984,226; Dec. 11.
Metal Package Corporation. (See Engstrom, Everett E., assignor.)
Meyer, August H. (See Cole, Harry H., assignor.)
Miehle Printing Press and Manufacturing Company. (See Ruble, C. Bond and Drake, assignors.)
Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier system. 1,983,802; Dec. 11.
Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Air cleaner. 1,983,866; Dec. 11.
Mill Devices Company, Inc. (See Tatlock, Roberts, assignor.)
Miller, Benjamin H. (See Trainer, J. E., and Miller.)
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield Vt. Gear finishing generating machine. 1,984,194; Dec. 11.
Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. Des. 94,039; Dec. 11.
Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. Des. 94,040; Dec. 11.
Miller, Philip M. and R. B., Detroit, Mich. Vehicle wheel. 1,983,867; Dec. 11.
Miller, Richard B. (See Miller, Philip M. and R. B.)
Miller, William, Kansas City, Kans. Apparatus for defatting entrails. 1,984,227; Dec. 11.
Miller, William R., Lakewood, and F. Eroskey, Lyndhurst, Ohio. Truss type joist. 1,983,632; Dec. 11.
Millie Patent Holding Co. (See Allatt, Mervin, assignor.)
Millie Patent Holding Co. Inc. (See Irmscher, Hans, assignor.)
Mills, Harold O., Jackson, Mich. Piston skirt expander. 1,984,195; Dec. 11.
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Mirkil, I., Hazleton, executor et al. (See Dock, Herman.)
Mitzlaff, Georg, and R. Bruderlink, Mannheim, Germany, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Controlling electric drives for ships. 1,983,917; Dec. 11.
Mohawk Carpet Mills, Inc. (See Hamilton, James, assignor.)
Möhrle, Artur, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Sparking plug. 1,984,313; Dec. 11.
Molins, Walter E., and F. F. Ruau, Deptford, London, England. Cigarette making machine. 1,983,986; Dec. 11.
Moness, Eugene. (See Christiansen, W. G., and Moness.)
Monnot, Edward L., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Electric water heater. 1,984,076; Dec. 11.
Morall, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 94,041; Dec. 11.
Morehouse, Cyrus E., Clifton Heights, assignor to National Publishing Company, Philadelphia, Pa. Loose leaf binder. 1,984,314; Dec. 11.
Moreines, Morris, Newark, N. J. Safety switch cabinet. 1,984,075; Dec. 11.
Moreno, Francisco de P. (See Lamar, H., and Moreno, assignors.)
Morgan & Wright. (See Cadwell, Sidney M., assignor.)
Morhous, Vernon A., Comstock, N. Y. Ash can cover. 1,984,228; Dec. 11.
Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, New York, N. Y. Molding or diecasting predetermined articles of manufacture. 1,983,558; Dec. 11.
Moroney, Carl J., and S. C. Meredith, San Mateo, and K. A. Meserole, Burlingame, Calif., assignors to J. D. & A. B. Spreckels Investment Company. Apparatus for molding materials. 1,983,942; Dec. 11.
Morris, Harry. (See Felmann, Henri, assignor.)
Morris, Theodore H., Wayne, Pa. Aggregate treating apparatus. 1,984,315; Dec. 11.
Morrish, Charles B., Philadelphia, and W. H. Rex, Jr., Willow Grove, Pa., assignors to Link-Belt Company, Chicago, Ill. Lubricating mechanism. 1,984,148; Dec. 11.
Morrison, Jacob, assignor to Morrison Steel Products Inc., Buffalo, N. Y. Hinged closure. 1,984,077; Dec. 11.
Morrison, Montford, Montclair, N. J., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc. Transformer and transformer device. 1,984,277; Dec. 11.
Morrison Steel Products Inc. (See Morrison, Jacob, assignor.)
Morrison, William J., Lakewood, and G. C. Spicer, Lyndhurst Village, assignors to The Cleveland Company, Cleveland, Ohio. Auxiliary color fountain for web printing presses. 1,983,987; Dec. 11.
Morrisroe, Patrick J., Youngstown, Ohio. Waterproof shipping package. 1,983,868; Dec. 11.
Mortensen, Martin P. (See Sadler, E. W., Pierce, and Mortensen.)
Moss, Frank J., Kansas City, Mo. Interlocking culvert. 1,984,196; Dec. 11.
Motor Products Corporation. (See Lewellen, Chester L., assignor.)
Mougey, Harry C., Detroit, Mich., and C. R. Short, Clermont, Fla., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Radiator filling device. 1,983,988; Dec. 11.
Mowe, Wilburn L. (See Wagner, G. H., and Mowe.)
Mowrer, Clifton E., Bethlehem, Pa. Portable refreshment booth. Des. 94,042; Dec. 11.
Moyer, Clarence L., executor, et al. (See Dock, Herman, assignor.)
Mueller, George, assignor to The Le Blond Schacht Truck Co., Cincinnati, Ohio. Spare tire and wheel carrier. 1,983,767; Dec. 11.
Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Steam engine valve. 1,983,803; Dec. 11.
Mueller, Thomas E. (See Gilman, H. J., and Mueller.)
Mulroy, William J., Woodhaven, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machines. 1,983,633; Dec. 11.
Mundt, Robert, Cedar Rapids, Iowa. Expanding pistons. 1,983,673; Dec. 11.
Munson, Joseph J., Houma, and G. L. Pace, Montegut, La. Gas agitated crystallizing and curing tank. 1,983,805; Dec. 11.
Murphy, Edward A. (See Lane, F. H., Madge, and Murphy.)
Murray Corporation of America, The. (See Galley, Joseph, assignor.)
Nagel, Hugo, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 1,984,078; Dec. 11.
National Blank Book Company. (See Schade, Frank S., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Carbon Company, Inc. (See Chaney, N. K., and Kiefer, assignors.)
National Cash Register Company, The. (See Kaufmann, Herbert, assignor.)
National Equipment Company. (See Fish, John R., assignor.)
National Folding Box Company. (See Gaffney, John J., assignor.)
National Gypsum Company. (See Crandell, Dean D., assignor.)
National Publishing Company. (See Morehouse, Cyrus E., assignor.)
National Sound System, Inc. (See Holloway, John Q. A., assignor.)
National Steel Construction Co. (See Elsinga, Dirk, assignor.)
Naugatuck Chemical Company, The. (See McGavack, John, assignor.)
Ne-Argo Corporation. (See Erdmann, Hans M., assignor.)
Neary, John F., North Wales, Pa. Collapsible kite. 1,984,229; Dec. 11.
Neidich Cel-Lus-Tra Corporation. (See Titone, Joseph, assignor.)
Neitzel, Franz. (See Bodmer, E., and Neitzel.)
Neitzke, Oscar F., Belmont, assignor to Bennett, Incorporated, Cambridge, Mass. Manufacture of water-repellent papers or paper articles sized with wax dispersions. 1,983,918; Dec. 11.
Nelson, Reuben, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Key structure for piano accordions. 1,984,079; Dec. 11.
Neo Brush Holder Corporation. (See Stevens, H. L., and Weber, assignors.)

Ne Page, Justus F., assignor to Ne Page McKenny Co., Seattle, Wash. Centrifugal molding machine. 1,984,197; Dec. 11.

Ne Page McKenny Co. (See Ne Page, Justus F., assignor.)

Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric connecting device. 1,984,278; Dec. 11.

Neumer, Otto. (See Stearns, F. H., and Neumer.)

Neway Specialty Manufacturing Company. (See Ryan, John F., assignor.)

Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Beverage cooling apparatus. 1,984,149; Dec. 11.

Nichol, Robert M., Medicine Hat, Alberta, Canada. Roller skate. 1,983,869; Dec. 11.

Nichols, Henry, New York, N. Y. Hose nozzle. 1,983,634; Dec. 11.

Nicholson, Carl M. (See Anderson, E., and Nicholson.)

Nies, William L. (See Walter, H. C., and Nies.)

Nixon, John B., Butler, Pa. Serving cocktails and the like. 1,984,030; Dec. 11.

Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. Des. 94,043; Dec. 11.

Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)

Nock, Joseph A., jr., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal transfer device. 1,983,580; Dec. 11.

Noll, Frank A., sr., Pittsburgh, Pa. Booth. 1,983,559; Dec. 11.

Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 94,044; Dec. 11.

Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 94,045; Dec. 11.

Norman, William F., Nevada, Mo. Greenhouse equipment. 1,983,806; Dec. 11.

Norman, William F., Nevada, Mo. Marker for grave sites. 1,983,807; Dec. 11.

Norris, Harry A. (See Gilman, H. J., and Mueller, assignors.)

North American Rayon Corporation. (See Stoeckly, J. J., and Brötz, assignors.)

Norton, Karl B., Manchester, Mass., assignor to Frosted Foods Company, Inc., Dover Del. Refrigeration. 1,983,768; Dec. 11.

Notter, Harry L., Chicago, Ill. Valve operating device. 1,984,198; Dec. 11.

Nown, Horace V., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,983,635; Dec. 11.

Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel. Des. 94,046; Dec. 11.

O'Brien, Moses E., Brooklyn, N. Y. Spread sheet control machine. 1,984,199; Dec. 11.

Odell, William W., Pittsburgh, Pa. Carbonizing carbonaceous materials. 1,983,943; Dec. 11.

Ohio Foundry & Manufacturing Company. (See McFadden, George H., assignor.)

Oilgear Company, The. (See Ferris, Walter and J. P., assignors.)

Oil Well Supply Company. (See Greve, Edgar E., assignor.)

Olena, Harold G. (See Goulard, A., and Olena.)

Oliver Iron & Steel Corporation. (See Fassinger, Charles, assignor.)

Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine take-up mechanism. 1,984,279; Dec. 11.

Olsen, Andrew, jr. (See Robinson, R. W., and Olsen.)

Onions, Herbert J., Warren, Pa., assignor to De Luxe Metal Furniture Company. Shelving. 1,984,080; Dec. 11.

Orange-Crush Company. (See Bost, William D., assignor.)

Osgood, Austin H. (See Maness, L. G., and Osgood.)

Ostwald, Ulrich, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Laminated material and preparing same. 1,983,870; Dec. 11.

Ostwald, Ulrich, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Laminating. 1,983,871; Dec. 11.

Otis, Herbert C., Shreveport, La. Well tubing plug. 1,984,230; Dec. 11.

Ottinger, Nathan, New York, N. Y. Expansible container. 1,984,150; Dec. 11.

Overhead Door Corporation. (See Johnson, Clarence G., assignor.)

Overholt, Albert L. (See Steiner, F., and Overholt.)

Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Receiving table for glass sheets. 1,983,769; Dec. 11.

Owens-Illinois Glass Company. (See Desser, Michael S., assignor.)

Paasch, Johannes. (See Komusin, Erich, assignor.)

Pace, Gilbert L. (See Munson, J. J., and Pace.)

Pacific Electric Manufacturing Corporation. (See Schwager, August C., assignor.)

Pacini, August J., Chicago, Ill., assignor to American Research Products, Inc. Production of antiricketic substances. 1,983,944; Dec. 11.

Packard Motor Car Company. (See Christman, John M., assignor.)

Pagendarm, John F., San Francisco, Calif., assignor to American Woodlite Corporation. Machine for generating dies of irregular surface. 1,983,770; Dec. 11.

Pagendarm, John F., Oakland, assignor to American Woodlite Corporation, San Francisco, Calif. Rear lamp for vehicles. 1,983,771; Dec. 11.

Pahissa, Lorenzo, San Feliu de Llobregat, Spain, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. Pl. Pt. 116; Dec. 11.

Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 1,984,151; Dec. 11.

Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 1,984,152; Dec. 11.

Palkens, Lewis F., Nashua, N. H. Combined elastic belt and suspenders. 1,983,636; Dec. 11.

Pallas, James E., San Francisco, Calif. Stove pipe joint. 1,983,989; Dec. 11.

Palmer, Charles S., assignor of two-thirds to J. Gold, Pittsburgh, Pa. Fire kindler briquette. 1,983,560; Dec. 11.

Paraffine Companies, Inc., The. (See Coleman, James T., assignor.)

Paraffine Companies, Inc., The. (See Finley, Dozier, assignor.)

Park, Robert E., jr. (See Purdy, C. A., and Park, jr.)

Parker, Walter G., North Adams, and E. E. Bassette, Adams, Mass. Jig for working on clutches. 1,984,231; Dec. 11.

Parmelee, Alfred E. (See Calcott, W. S., Parmelee and Stecher.)

Patent and Licensing Corporation, The. (See Heitman, Moritz J., assignor.)

Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)

Patent and Licensing Corporation, The. (See Limburg, Hyman, assignor.)

Patent Securities Company. (See Livingston, Jay K., assignor.)

Patterson, Frank S. (See Freed, C. J., Baum, and Patterson.)

Patterson, Gordon D., Wilmington, and R. A. Shive, Bellemoor, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin and composition containing it. 1,984,153; Dec. 11.

Paulus, Max G., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oil. 1,983,919; Dec. 11.

Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Recording device for looms. 1,983,872; Dec. 11.

Pazzetti, Vincent J. (See Bent, Q., Entwisle, and Pazzetti.)

Peffer, Harry C., Lafayette, Ind., assignor, by mesne assignments, to Utilities Research Commission, Inc., Chicago, Ill. Welding torch. 1,983,674; Dec. 11.

Peninsular Grinding Wheel Company. (See Beebe, Alan P., assignor.)

Pennington, Harley D. (See Reilly, E. C., and Pennington.)

Pennsylvania Furnace & Iron Company, The. (See Anderson, Christian S., assignor.)

Penrose, George A., jr. (See Penrose, G. A., Thomas and Penrose.)

Penrose, George A., K. F. Thomas, and G. A. Penrose, jr., Chicago, Ill. Confection forming device. 1,983,704; Dec. 11.

Peremi, Edmund, and L. Toth, Manhasset, N. Y. Extruded shapes with interlock and making same. 1,984,232; Dec. 11.

Perin, Donald W., assignor to R. W. Higgins, Greenfield, Mass. Golf swing device. 1,983,920; Dec. 11.

Perkins, B. F., & Son, Inc. (See Gminder, Emil, assignor.)

Perkins, Melvin A., Milwaukee, Wis., and Oakley M. Bishop, deceased, by Eva P. Bishop and Wilmington Trust Company, executors, assignors to E. I. du Pont de Nemours & Co., Wilmington, Del. Seleno-anthraquinone compound and preparing the same. 1,983,561; Dec. 11.

Perkins, Melvin A., Milwaukee, Wis., and O. M. Bishop, deceased, by E. P. Bishop and Wilmington Trust Company, executors, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone-selenazoles and preparing same. 1,983,562; Dec. 11.

Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Remote control system. 1,983,637; Dec. 11.

Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Splash guard attaching device for vehicle. 1,984,280; Dec. 11.

Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)

Persson, Ernst, assignor to International Postal Supply Company, Brooklyn, N. Y. Canceling machine. 1,983,921; Dec. 11.

Petter, Guy B., assignor of one-half to Petters Limited, Yeovil, England. Calculating or adding machine. 1,983,945; Dec. 11.

Petters Limited. (See Petter, Guy B., assignor.)

Philad Company, The. (See Becker, George, assignor.)

Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator for refrigerators. 1,983,990; Dec. 11.

Pierce, Daniel N. (See Sadler, E. W., Pierce, and Mortensen.)

Pierson, Wesley R., Minneapolis, Minn. Concrete mat. 1,983,772; Dec. 11.

Piggott, Wallace J. (See Reynolds, M. P., and Piggott.)

Pilato, Salvatore, Brooklyn, N. Y. Cleaning device. 1,984,154; Dec. 11.

Pilblad, Eric J., Nassau County, N. Y., and E. Fetter, Baltimore, Md., assignors, by mesne assignments, to Gabriel Pneumatic Vulcanizer, Inc. Tire and tube repair unit. 1,983,705; Dec. 11.

Pirich, George, Minneapolis, Minn. Weeding tool. 1,983,873; Dec. 11.

Piscuill, Ferdinand M., Yonkers, N. Y. Spoon. 1,984,081; Dec. 11.

Pittsburgh Pipe & Coupling Company. (See Lamond, John, assignor.)

Pittsburgh Plate Glass Company. (See Heichert, Herman S., assignor.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Plate Glass Company. (See West, George L., assignor.)

Plibrico Jointless Firebrick Company. (See Anderson, John E., assignor.)

Poggendorf, William H., Rochester, N. Y. Chair. 1,984,281; Dec. 11.

Pokora, Charles J., Milwaukee, Wis. Safety attachment for pockets. 1,983,991; Dec. 11.

Pollock, Leopold, New York, N. Y. Combined Christmas tree lighting set and case therefor or similar article. Des. 94,047; Dec. 11.

Ponte, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Glow discharge. 1,983,638; Dec. 11.

Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Distributor rotor assembling device. 1,983,808; Dec. 11.

Potter, William A., Dayton, Ohio. Jar holder. 1,983,946; Dec. 11.

Powers Regulator Company, The. (See Snediker, Morton O., assignor.)

Pratt, Walter M., Detroit, Mich. Bar structural truss. 1,983,874; Dec. 11.

Prina, Giuseppe, Turin, Italy. Combination lock. 1,983,773; Dec. 11.

Prindle, Karl E., Cleveland, Ohio, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Laminated material. 1,983,875; Dec. 11.

Prochaska, Carroll W., New York, N. Y., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Swaging tool for piston ring grooves. 1,984,155; Dec. 11.

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., and F. E., assignors.)

Progressive Ring Company, The. (See Miller, J. M., and Fenton, assignors.)

Puckett, Charles C., Harlingen, Tex. Automobile gear shift lever knob. Des. 94,048; Dec. 11.

Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Striking material for matches. 1,984,316; Dec. 11.

Pullenlite Company. (See Pullen, Rodney S., assignor.)

Pupin, Michael I., Norfolk, Conn., assignor to Westinghouse Electric & Manufacturing Company. Supply system for vacuum tubes. 1,983,774; Dec. 11.

Purcell, Thomas E. (See Hayward, A. P., and Purcell.)

Purdue Research Foundation. (See Ross, David E., assignor.)

Purdy, Chester A., Oak Park, Ill., and R. E. Park, jr., Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing and sorting articles. 1,984,031; Dec. 11.

Purington, Ellison S., Gloucester, Mass., assignor to John Hays Hammond, jr. Modulation system. 1,984,156; Dec. 11.

Pyzel, Frederic M., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Thermal decomposition of hydrocarbons. 1,983,992; Dec. 11.

Queen, Harold E. (See Replogle, D. B., and Queen.)

Quinn, Charles C., and H. Edgerton, assignors to Quinn Wire & Iron Works, Boone, Iowa. Concrete pipe making machine. 1,983,775; Dec. 11.

Quinn Wire & Iron Works. (See Quinn, C. C., and Edgerton, assignors.)

Quirk James F., Milwaukee, Wis. Shipping case. 1,983,876; Dec. 11.

Quirk, John J., Jersey City, N. J. Meat hook. 1,983,706; Dec. 11.

Quisling, Sverre, Madison, Wis. Electric fuse plug. 1,983,993; Dec. 11.

Rabelos, Nicholas A. (See Librett Chester, assignor.)

Radcliffe Thomas D. (See Luckenbaugh, M. L., and Radcliffe.)

Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 1,983,877; Dec. 11.

Radio Corporation of America. (See Ballantine, Stuart, assignor.)

Radio Corporation of America. (See Dobben, Pieter W., assignor.)

Radio Corporation of America. (See Gill, Ernest W. B., assignor.)

Radio Corporation of America. (See Guedon, Emile C., assignor.)

Radio Corporation of America. (See Mallina, Rudolph F., assignor.)

Radio Corporation of America. (See Miessner, Benjamin F., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Smith, Douglas Y., assignor.)

Radio Corporation of America. (See Thompson, Lincoln, assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Inventions, Inc. (See Donle, Harold P., assignor.)

Ramsey Accessories Manufacturing Corporation. (See Prochaska, Carroll W., assignor.)

Rand, Charles F., North Tonawanda, N. Y. Pyroxylin plastic tab. 1,983,878; Dec. 11.

Rau, Henry V., Amityville, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Fastener cap. 1,983,879; Dec. 11.

Ray, William H., Chicago, Ill. Power driven tool. 1,984,282; Dec. 11.

Raymond Brothers Impact Pulverizer Co., The. (See Senseman, William B., assignor.)

Raynor, John S., Holmesburg, Pa. Plaster bed. 1,983,994; Dec. 11.

Read, Cyril M., assignor to Stewart-Warner Corporation, Chicago, Ill. Speed changing device for movement registering mechanism. 1,984,082; Dec. 11.

Reading Hardware Corporation. (See Lyons, A. G., and Sterrett, assignors.)

Reece Shoe Machinery Company. (See Oliver, John R., assignor.)

Reed, Robert F., Norwood, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y. Hygroscope. 1,984,233; Dec. 11.

Reeves, Beauford H., New Haven, Conn., assignor to Rockbestos Products Corporation. Insulated electrical conductor. 1,983,563; Dec. 11.

Reeves, Beauford H., Pine Orchard, Conn., assignor to Rockbestos Products Corporation. Insulated electrical conductor. 1,983,564; Dec. 11.

Refrigerating Equipment Company. (See Semans, H. L., and Haddaeus, assignors.)

Refrigeration Appliances, Inc. (See Krackowizer, Hermann J., assignor.)

Reiber, Albert H., and M. T. Goetz, assignors to Teletype Corporation, Chicago, Ill. Keyboard perforator and counter. 1,984,317; Dec. 11.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Thrust indicating device. 1,984,318; Dec. 11.

Reid, Ebenezer E., Baltimore, Md., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester of polycarboxylic acids. 1,984,283; Dec. 11.

Reid, Ebenezer E., Baltimore Md., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition and softener. 1,984,284; Dec. 11.

Reilly, Emmet C., and H. D. Pennington, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Furnace charger. 1,984,032; Dec. 11.

Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for drying storage battery plates. 1,983,995; Dec. 11.

Reiss, Frank B., New York, N. Y. Legging. 1,983,880; Dec. 11.

Replogle, Daniel B., Berkeley, Calif., assignor to Citizens Trust Company of Toledo, Toledo, Ohio. Cord reel and making the same. 1,983,565; Dec. 11.

Replogle, Daniel B., Berkeley, Calif., assignor to Citizens Trust Company of Toledo, Toledo, Ohio. Air-method cleaner. 1,983,566; Dec. 11.

Replogle, Daniel B., and H. E. Queen, Berkeley, Calif., assignors to Citizens Trust Company of Toledo, Toledo, Ohio. Support for air-method cleaners. 1,985,567; Dec. 11.

Resch, Henry. (See Fuchs, C. A., and Resch.)

Revere Sugar Refinery. (See De Vries, Reinier P., assignor.)

Rex, William H., jr. (See Morrish, C. B., and Rex.)

Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical plug and socket connection. 1,983,675; Dec. 11.

Reynolds, Damian L., Hillsborough, assignor of one-fourth to L. L. Yates, one-fourth to L. E. Cartmill, and one-fourth to J. King, San Francisco, Calif. Steel frame refrigerator car. 1,983,881; Dec. 11.

Reynolds, Morley P., Cleveland Heights, and W. J. Piggott, East Cleveland, assignors to The W. S. Tyler Company, Cleveland, Ohio. Method of and apparatus for screening. 1,983,676; Dec. 11.

Rice, Alexander, Brooklyn, N. Y. Dispensing receptacle. 1,983,707; Dec. 11.

Rice, Arthur E., Biglerville, and J. W. Trew, Gettysburg, assignors to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Guard. 1,983,809; Dec. 11.

Rice, Harold G., Evanston, assignor, by mesne assignments, to Indestro Manufacturing Corp., Chicago, Ill. Bottle capper. 1,983,996; Dec. 11.
Rice, Joel A., New York, N. Y. Adjustable hook-lacing clasp for corsets and the like. 1,983,810; Dec. 11.
Rice, Trew & Rice Co. Inc. (See Rice, A. E., and Trew, assignors.)
Richardson Company, The. (See Keller, Charles L., assignor.)
Richter, George A., assignor to Brown Company, Berlin, N. H. Ripening of viscose sirup. 1,984,285; Dec. 11.
Richter, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Fluid operated reciprocating mechanism for knitting machines. 1,984,319; Dec. 11.
Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Manufacture of sheet metal tubes. 1,984,083; Dec. 11.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Doorlatch mechanism. 1,983,639; Dec. 11.
Riley, Raph E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making sponge rubber articles. 1,983,677; Dec. 11.
Ritchie, Thomas, Locust Valley, N. Y. Vibration absorber for steering wheels. 1,984,033; Dec. 11.
Ritz-Woller, Oliver C., Chicago, Ill. Make-up mirror. Des. 94,049; Dec. 11.
Ritz-Woller, Oliver C., Chicago, Ill. Make-up mirror. Des. 94,050; Dec. 11.
Ritz-Woller, Oliver C., Chicago, Ill. Make-up mirror. Des. 94,051; Dec. 11.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Superregenerative circuit. 1,983,812; Dec. 11.
Robertson, John, Co. Inc. (See Jacobson, Conrad C., assignor.)
Robinson, Reed W., and A. Olsen, jr., San Francisco, Calif. Candy product and process. 1,983,568; Dec. 11.
Rockbestos Products Corporation. (See Reeves, Beauford H., assignor.)
Rockwell, Hugh M., Freeport, N. Y. Rod end joint. 1,983,947; Dec. 11.
Rodney, George B., Fayetteville, N. C. Tire deflation indicator. 1,984,084; Dec. 11.
Roesch, Frank P., Chicago, Ill., assignor to Standard Stoker Company, Incorporated, Stoker. 1,983,998; Dec. 11.
Rolaff, Walter G. E., Kirkwood, Mo. Multistage rotary compressor. 1,983,997; Dec. 11.
Rosen, Shy, Flushing, N. Y. Wrapper. 1,983,813; Dec. 11.
Rosenfeld, Myer, Baltimore, Md. Automatic stropping means for vehicles. 1,983,882; Dec. 11.
Rosenquist, Edward, Oakland, Calif. Combined straight edge and paper trimmer. 1,983,778; Dec. 11.
Rosenthal, Leon W., New York, N. Y. Electrical connecter for toy electric railways. 1,983,776; Dec. 11.
Rosenthal, Leon W., New York, N. Y. Rail connecter for toy railways. 1,983,777; Dec. 11.
Ross, David E., assignor to Purdue Research Foundation, Lafayette, Ind. Edge road marker. 1,984,085; Dec. 11.
Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Magnetic car retarder and system of control therefor. 1,984,320; Dec. 11.
Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Pedestal switch insulator. 1,983,569; Dec. 11.
Ruan, Félix F. (See Molins, W. E., and Ruan.)
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,984,286; Dec. 11.
Ruble, Charles, C. L. Bond, and E. P. Drake, Los Angeles, Calif., assignors, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Box blank mechanism. 1,983,708; Dec. 11.
Rudolph, Corrie F. (See Gebhard, L. A., and Rudolph.)
Rupert, Richard. (See Clark, C. W., and Rupert.)
Ruppel, Frederick H., Pasadena, Calif. Pipe grooving tool. 1,983,922; Dec. 11.
Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Processing photographic elements. 1,984,086; Dec. 11.
Rustin, Eugene H., Brooklyn, N. Y. Carburetor. 1,984,287; Dec. 11.
Rutherford, John T., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Method and apparatus for treatment of oil sludge. 1,983,678; Dec. 11.
Rutkoskie, George A., assignor to The McBee Company, Athens, Ohio. Printing press for printing wax carbon spots on sheets of paper. 1,983,948; Dec. 11.
Ryan, John F., assignor to Neway Specialty Manufacturing Company, San Francisco, Calif. Vegetable slicer. 1,984,034; Dec. 11.
Ryan, Thomas H., San Francisco, Calif. Power transmission device. 1,983,641; Dec. 11.
Ryan, William, Chicago, Ill. Furnace. 1,984,157; Dec. 11.
S K F Industries, Inc. (See Stearns, F. H., and Neumer, assignors.)
Sadler, Emory W., Philadelphia, D. N. Pierce, Glenside, and M. P. Mortensen, assignors to Fox Company, Philadelphia, Pa. Combined lamp bracket and pendant. Des. 94,052; Dec. 11.
Saunders, Philip K., London, England. Two-stroke cycle internal-combustion engine. 1,984,288; Dec. 11.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book and manufacture. 1,983,883; Dec. 11.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Post binder for loose leaf sheets. 1,983,779; Dec. 11.
Schaeflein, Karl, Bern, Switzerland. Drive of machines for casting stereotype plates. 1,983,814; Dec. 11.
Scheel, John J., Detroit, Mich. Mold for artificial stone steps. 1,984,087; Dec. 11.
Schellens, Eugene L., Ridgewood, assignor to C-S Engineering Company, Englewood, N. J. Trailer truck for locomotives. 1,984,088; Dec. 11.
Schilling, John M. and W. G., Lima, Ohio. Beverage container. Des. 94,053; Dec. 11.
Schilling, Willard G. (See Schilling, John M. and W. G.)
Schissel, Emanuel, Bronx, N. Y. Bracelet. Des. 94,054; Dec. 11.
Schley, James H., jr., Alabama City, Ala. Airplane wing. Des. 94,055; Dec. 11.
Schlumberger, Robert, assignor to Society "Nouvelle Societe de Construction, ci-devant N. Schlumberger & Cie", Guebwiller, France. Controlling and guiding device for the faller bars of gill boxes. 1,984,200; Dec. 11.
Schmid, William, assignor to H. A. Douglas, Bronson, Mich. Swage. 1,984,234; Dec. 11.
Schmidt, Emil, assignor to Air-O-Mat Burner Company, Detroit, Mich. Fuel burner. 1,983,709; Dec. 11.
Schmiett, Ferdinand, assignor of one-third to R. S. Jacoby, Los Angeles, Calif. Planting trowel. 1,983,815; Dec. 11.
Schmitt, Otto A., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Intermittent motion transmitting device. 1,983,570; Dec. 11.
Schneider, Hermann. (See Straub, F., and Schneider.)
Schnitzler, Eduard. (See Lummersheim, H., and Schnitzler.)
Scholl Mfg. Co., The. (See Scholl, William M., assignor.)
Scholl, William M., assignor to The Scholl Mfg. Co., Chicago, Ill. Medical pad. 1,984,158; Dec. 11.
Schön & Cie, A. G. (See Grune, Max, assignor.)
Schuck, Conrad, jr., and G. Layer, East Orange, N. J. Automatic operation of fuel burners. 1,983,710; Dec. 11.
Schwager, August C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Circuit interrupter. 1,984,035; Dec. 11.
Schwalbe, Franz G., Toledo, Ohio. Heat retaining float for glass tank feeding shelves. 1,983,816; Dec. 11.
Schwartz, George L. (See Reid, E. E., and Schwartz.)
Schwartzmann, Harry, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical insulating device having a terminal thereon and making it. 1,984,036; Dec. 11.
Schwedenberg, Theodor, Berlin-Charlottenburg, and R. Allerbach, Neuenhagen, near Berlin, Germany, assignors to General Electric Company, Schenectady, N. Y. Inhaling device. 1,984,159; Dec. 11.
Schweiz Lokomotiv & Maschinenfabrik. (See Martin, Paul, assignor.)
Schwitzer, Louis, Indianapolis, Ind., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Regulator for refrigerative systems. 1,984,321; Dec. 11.
Scofield, Philip F., San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Electrical discharge tube. 1,983,679; Dec. 11.
Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Variable capacity. 1,983,680; Dec. 11.
Scott, William M., Tredyffrin Township, assignor to I-T-E-Circuit Breaker Company, Philadelphia, Pa. Control system. 1,983,817; Dec. 11.
Seaver, Floyd, assignor to Swift and Company, Chicago, Ill. Sausage treating method. 1,983,681; Dec. 11.
Segal, Samuel, New York, N. Y. Telephone lock. 1,984,089; Dec. 11.
Selberling Latex Products Company. (See Belton, Porter L. and O. L., assignors.)
Selss, George J., Toledo, Ohio. Electric lamp bulb connecter. 1,983,818; Dec. 11.
Semans, Harry L., Pittsburgh, Pa., and G. T. Heddaeus, assignors to Refrigerating Equipment Company, Wilmington, Del. Refrigerating system. 1,984,289; Dec. 11.
Semet-Solvay Engineering Corporation. (See Steere, Frank W., assignor.)
Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerizing vinyl chloride. 1,983,949; Dec. 11.
Senseman, William B., Los Angeles, Calif., assignor to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Calcining gypsum. 1,984,201; Dec. 11.
Sev, Inc. (See Sutton, J. L., and Van Walshouser, assignors.)
Seyforth, Rome C., Lowell, Mich. Doorcheck. 1,983,999; Dec. 11.
Seyfried, Arthur W. (See Frantz, W. A., and Seyfried.)
Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic material for making colored prints. 1,984,090; Dec. 11.
Shann, Oscar A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin receptacle cover. 1,984,037; Dec. 11.

Sharpe, John S., Haverford, Pa. Transmission mechanism. 1,984,235; Dec. 11.
Shartle, Ralph W. (See Freeze, J. R., and Shartle.)
Shaw, Gilbert B., and T. G. Sturdevant, Bristol, and C. W. Short, East Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Electrical cable and cord. 1,984,028; Dec. 11.
Sheaffer, W. A., Pen Company. (See Sheaffer, Walter A., assignor.)
Sheaffer, Walter A., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 1,983,682; Dec. 11.
Sheffer, Irving H., Detroit, Mich. Feed collet. 1,983,950; Dec. 11.
Shelby Gum Company, The. (See Wilsdon, John J., assignor.)
Shell Development Company. (See Pyzel, Frederic M., assignor.)
Sherwood, Glenn L., Niles, Mich., assignor of one-half to A. T. Lyman, Chicago, Ill. Liquid level indicator. 1,984,000; Dec. 11.
Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Piston. 1,983,780; Dec. 11.
Shinn, Lyle B., assignor to Chicago Lock Company, Chicago, Ill. Key for locks. 1,984,202; Dec. 11.
Shippy, Leo C., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Control of arc welder head. 1,983,781; Dec. 11.
Shive, Roy A. (See Patterson, G. D., and Shive.)
Short, Carleton W. (See Shaw, G. B., Sturdevant, and Short.)
Short, Charles R. (See Mougey, H. C., and Short.)
Shropshire, Leslie P., Chester, Pa., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Emulsifier. 1,983,782; Dec. 11.
Shuey, Lloyd A., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Coil separating machine and method. 1,983,642; Dec. 11.
Shugart, Ernest W., Kalamazoo, Mich. Dispensing pump. 1,983,819; Dec. 11.
Shugart, Ernest W., Kalamazoo Township, Kalamazoo County, and H. Van Dam, Kalamazoo, Mich. Nozzle. 1,983,820; Dec. 11.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Change speed gearing. 1,984,039; Dec. 11.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J. Cut-off mechanism. 1,984,040; Dec. 11.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J. Continuously operating cut-off mechanisms. 1,984,041; Dec. 11.
Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co. Cut-off mechanism. 1,984,043; Dec. 11.
Sieg, Karl. (See Langston, S. M., and Sieg.)
Sieger, George N., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Hard metallic composition and contacts thereof. 1,984,203; Dec. 11.
Siemens & Halske, Aktiengesellschaft. (See Walter, Hans, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Kübnel, Carl, assignor.)
Simon, Hellmut, Berlin-Charlottenburg, and W. Harries, Jena/Thuringen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Operating hot cathode tubes. 1,983,043; Dec. 11.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming hub shells of vehicle wheels. 1,984,091; Dec. 11.
Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
Sinclair Refining Company. (See Shropshire, Leslie P., assignor.)
Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
Skinner Engine Company. (See Mueller, Herman G., assignor.)
Slater, Walter L., Warsonville, Calif., assignor to Slater Shelving System. Shelving-bracket and system of shelving. 1,983,571; Dec. 11.
Slater Shelving System. (See Slater, Walter L., assignor.)
Slussen-McLean Scraper Company, The. (See Stewart, James S., assignor.)
Smith, David. (See Tanzer, J., Smith and Arenstein.)
Smith, Douglas Y., East Orange, N. J., assignor to Radio Corporation of America. Grid construction. 1,984,160; Dec. 11.
Smith, Ernest W., London, and A. Charles, Streatham Vale, London, England. Coin controlled mechanism for gas and similar meters. 1,984,161; Dec. 11.
Smith, Ernest W., London, and A. Charles, Streatham Vale, London, England. Prepayment mechanism for gas and similar meters. 1,984,162; Dec. 11.
Smith, Goldwin, Tampa, Fla. Game apparatus. Des. 94,056; Dec. 11.
Smith, Horace L., jr., and L. N. Jones, assignors to Thermal Engineering Corporation, Richmond, Va. Radiator type air conditioning apparatus. 1,983,711; Dec. 11.
Smith, L C, & Corona Typewriters, Inc. (See Avery, Henry A., assignor.)
Smith, L C, & Corona Typewriters, Inc. (See Bradt, Charles H., assignor.)
Smith, Raymond D., Pleasantville, N. Y. Circuit switching timer. 1,984,204; Dec. 11.
Smith, Sherwood T., Manchester, Conn. Grade indicator for motor vehicles and the like. 1,984,236; Dec. 11.
Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Differential thermostat. 1,983,821; Dec. 11.
Società Italiana Pirelli. (See Faldini, Mario, assignor.)
Societe Industrielle des Procedes W. A. Loth. (See Loth, William Arthur, assignor.)
Society "Nouvelle Societe de Construction, ci-devant" N. Schlumberger & Cie. (See Schlumberger, Robert, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Socony-Vacuum Corporation. (See Young, Marvin S., assignor.)
Soneson, W. P. (See Gray, Adam A., assignor.)
Sonner, Philip J., Winfield, Kans. Gas burner and assembly therefor. 1,983,644; Dec. 11.
Soreng, Edgar M., assignor of one-half to Vidrio Products Corporation, and one-half to Soreng-Manegold Co., Chicag, Ill. Electric lighter. 1,983,645; Dec. 11.
Soreng-Manegold Co. et al. (See Soreng, Edgar M., assignor.)
Soss, Joseph, Roselle, N. J. Link unit for concealed hinges. 1,984,092; Dec. 11.
Southan, Laurence C., Kensington, near Sydney, Australia. Apparatus for removing skins from onions. 1,984,237; Dec. 11.
Spanopoulos, Ippokrates, St. Louis, Mo. Folding chair. 1,984,238; Dec. 11.
Spase, Charles B., assignor to W. C. Lipe Inc., Syracuse, N. Y. Clutch construction. 1,983,885; Dec. 11.
Spencer, John A., Newton, assignor to The Spencer Thermostat Company, Cambridge Mass. Safety device for burners and the like. 1,983,822; Dec. 11.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostat. 1,983,823; Dec. 11.
Spencer Thermostat Company, The. (See Spencer, John A. assignor.)
Spicer, Charles B., Brooklyn, N. Y. Fireproof building block tile. 1,983,712; Dec. 11.
Spicer, Grover C. (See Morrison, W. J., and Spicer.)
Spicer Manufacturing Corporation. (See Eaton, Ernest E., assignor.)
Sprague-Sells Corporation. (See McIntyre, John C., assignor.)
Spreckels, J. D. & A. B., Investment Company. (See Moroney, C. J., Sherman, and Meserole, assignors.)
Sproat, Ira E., Covington, Ohio, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Earthenware body. 1,984 163; Dec. 11.
Squibb, E. R., & Sons. (See Black, Archie, assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Moness, assignors.)
Squires, Walter M. (See Hofft, M. A., and Squires.)
Stahl, Frank E., Tonawanda, N. Y. Chain forming machine. 1,983,683; Dec. 11.
Standard Brands Incorporated. (See Townsley, Robert H., assignor.)
Standard Equipments, Inc. (See Greenwood, Richard F., assignor.)
Standard Oil Company. (See Paulus Max G., assignor.)
Standard Oil Company of California. (See Luckenbaugh, M. L., and Radcliffe, assignors.)
Standard Oil Company of California. (See Rutherford, John T., assignor.)
Standard Screw Company. (See Corlett, Webster D., assignor.)
Standard Stoker Company, Incorporated, The. (See Lippert, Henry E., assignor.)
Standard Stoker Company, Incorporated. (See Roesch, Frank P., assignor.)
Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,983,824; Dec. 11.
Starks, Charles D., Far Rockaway, N. Y. Crab net. 1,984 239; Dec. 11.
Statham, Noel, Irvington, N. Y., and T. G. Leek, Covington, Va., assignors to Industrial Chemical Sales Company, Inc., New York, N. Y. Paper and process of and apparatus for making the same. 1,983 572; Dec. 11.
Staub, Herman. (See Krissiep, M., and Staub.)
Staud, Cyril J. (See Fuess, J. T., and Staud.)
Staud, Cyril J., and J. T. Fuess, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of cellulose nitrate-acylate. 1,984,093; Dec. 11.
Staud, Cyril J., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of benzyl esters of cellulose acetate phthalate. 1,984,094; Dec. 11.
Stearns, Frank H., Highland Park, Mich., and O. Neumer, Glenside, assignors to S K F Industries, Inc., Philadelphia, Pa. Sound insulated shaft mounting. 1,983,713; Dec. 11.
Stecher, Joseph L. (See Calcott, W. S., Parmelee, and Stecher.)
Steere, Frank W., Scarsdale, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Fuel support for gas generators and other combustion apparatus. 1,984,045; Dec. 11.

Steiger, Carl E., assignor to Deltox Rug Company, Oshkosh, Wis. Combination grass and wood fiber rug. 1,984,046; Dec. 11.
Steinberger Bros. Glove Corporation. (See Steinberger, Irwin, assignor.)
Steinberger, Irwin, assignor to Steinberger Bros. Glove Corporation, New York, N. Y. Glove. 1,984 240; Dec. 11.
Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 1,983,647; Dec. 11.
Steiner Sales Company. (See Steiner, George A., assignor.)
Stemwedel, Albert L., assignor to Fee and Stemwedel, Inc., Chicago, Ill. Indicator. Des. 94,057; Dec. 11.
Sterrett, William H. (See Lyons, A. G., and Sterrett.)
Stevens, Harry L., and A. Weber, assignors to Neo Brush Holder Corporation, Spokane, Wash. Brush holding clamp. 1,983,923; Dec. 11.
Stevens, John C., Portland, Oreg. Automatic water gate. 1,983,951; Dec. 11.
Stevens, Joseph D., Baltimore, Md. Awning structure. 1,984,095; Dec. 11.
Stewart, James S., assignor to The Slusser-McLean Scraper Company, Sidney, Ohio. Earth moving scraper. 1,983,783; Dec. 11.
Stewart-Warner Corporation. (See Read, Cyril M., assignor.)
Stimpson, Edwin B., Company. (See Gualtiere, Julius, assignor.)
Stimpson, Edwin B., Company. (See Rau, Henry V., assignor.)
Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge bucket and lip assembly. 1,984,322; Dec. 11.
Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge Bucket. 1,984,323; Dec. 11.
Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge bucket and lip assembly. 1,984,324; Dec. 11.
Stock, Alfred Karlsruhe, Germany, assignor to Degea Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Process and apparatus for purifying air vitiated with mercury vapors. 1,984,164; Dec. 11.
Stoeckly, Johann J., and A. Brötz, Teltow Seehof, Germany, assignors to North American Rayon Corporation, New York, N. Y. Manufacture of artificial filaments. 1,984,325; Dec. 11.
Stout, Minor W., Kansas City, Mo. Steam system. 1,984,290; Dec. 11.
Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland. Mixed chromiferous azo-dyestuffs and making same. 1,984,096; Dec. 11.
Straubel, C. W., et al. (See Straubel, Frederick L. G., assignor.)
Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Filing drawer. 1,983,573; Dec. 11.
Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Filing drawer. 1,983,574; Dec. 11.
Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Compressor construction for filing drawers. 1,983,575; Dec. 11.
Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Follower construction for filing drawers. 1,983,576; Dec. 11.
Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Guide construction for filing drawers. 1,983,577; Dec. 11.
Straubel, O. C., et al. (See Straubel, Frederick L. G., assignor.)
Steiner, Frank M., and A. L. Overholt, Minneapolis, assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,983,646; Dec. 11.
Steiner Sales Company. (See Steiner, F., and Overholt, assignors.)
Street, Horace R., Cleveland, Ohio. Pouring jacket for molds. 1,983,581; Dec. 11.
Streitwolf, Karl, and P. Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Water-soluble alkyl-mercury-mercapto compounds. 1,984,097; Dec. 11.
Strider, Isaac H. (See Beeson, A., and Strider.)
Strong, Walter J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire painting and trimming machine. 1,983,684; Dec. 11.
Sturdevant, Earl B. (See Shaw, G. B., Sturdevant and Short.)
Sukohl, Heinrich, Berlin-Waldmannslust, Germany. Propeller and manufacturing the same. 1,984,044; Dec. 11.
Sumenius, Carl H., Brooklyn, N. Y. Self-binding wire clamp. 1,984,241; Dec. 11.
Summers, George, Harrow Weald, Harrow, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,983,886; Dec. 11.
Sutton, J. Leroy, Buffalo, and J. Van Walshauser, Kenmore, assignors to Sev, Inc., Buffalo, N. Y. Faucet connection. 1,984,347; Dec. 11.
Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
Swanson, Arthur P., Maine Township, Cook County, Ill. Aquarium. Des. 94,058; Dec. 11.
Swift and Company. (See Seaver, Floyd, assignor.)
Tanzer, Jacob, D. Smith, and J. Arenstein, New York, N. Y.; said Smith and said Arenstein, assignors to said Tanzer. Clothier's rack. 1,984,001; Dec. 11.
Tanzer, Jacob. (See Tanzer, J., Smith, and Arenstein, assignors.)
Tatlock, Roberts, Gastonia, N. C., assignor to Mill Devices Company, Inc. Knotter. 1,983,953; Dec. 11.
Tatman, James M., Cincinnati, Ohio. Starting gear. 1,983,952; Dec. 11.
Taylor, Guy C., assignor to Flint Eaton and Company, Decatur, Ill. Medicine and preparing same. 1,983,954; Dec. 11.
Taylor Instrument Companies. (See Bandoly, Erich, assignor.)
Taylor-Wharton Iron & Steel Company. (See Stires, William H., assignor.)
Technical Tool Company. (See Ahola, Harold, assignor.)
Technidyne Corporation. (See Jones, L. L., and Flanzer, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Simon, H., and Harries, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Zetzmann, Hans J., assignor.)
Teletype Corporation. (See Reiber, A. H., and Goetz, assignors.)
Texas Company, The. (See Clarke, L. A., and Cook, assignors.)
Textile Machine Works. (See Krissiep, M., and Staub, assignors.)
Textile Machine Works. (See Richter, Max, assignor.)
Thermal Engineering Corporation. (See Smith, H. L., jr., and Jones, assignors.)
Thieme, Otto, West Hartford, Conn. Beverage maker and method. 1,984,047; Dec. 11.
Thomas, Harry, Victoria, British Columbia, Canada. Saw guard. 1,983,582; Dec. 11.
Thomas, Kenneth F. (See Penrose, G. A., Thomas, and Penrose.)
Thompson, James H. (See Evers, N., Eastland, and Thompson.)
Thompson, Lincoln, Naugatuck, Conn., assignor, by mesne assignments, to Radio Corporation of America. Amplifying tube and operating same. 1,983,714; Dec. 11.
Thordarson Electric Manufacturing Company. (See Shuey, Lloyd A., assignor.)
Thordarson, William. (See Curtin, L. P., and Thordarson.)
Timko, George A., Chicago, Ill. Window shade operating mechanism. 1,983,583; Dec. 11.
Titone, Joseph, Riverbank, assignor to Neidich Cel-Lus-Tra Corporation, Burlington, N. J. Lockstitch knit fabric and making same. 1,984,326; Dec. 11.
Tokheim Oil Tank and Pump Company. (See Bechtold, Reuben E., assignor.)
Tolchin, John M., New York, N. Y. Health apparatus. 1,984,165; Dec. 11.
Topeka Tent & Awning Company. (See Bell, Edwin F., assignor.)
Toro Manufacturing Company. (See Clapper, John S., assignor.)
Torrance, John R. (See Cox, H. E., and Torrance.)
Toth, Louis. (See Peremi, E., and Toth.)
Townsley, Robert H., assignor to Standard Brands Incorporated, New York, N. Y. Receptacle for food products. 1,983,685; Dec. 11.
Trainer, James E., Fairlawn, and B. H. Miller, Wadsworth, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Conduit junction. 1,984,242; Dec. 11.
Tressler, Donald K. (See Labarthe, J., jr., and Tressler.)
Trew, James W. (See Rice, A. E., and Trew.)
Trumbull Electric Manufacturing Company, The. (See Hannyk, Charles E., assignor.)
Tupper Slipper Corporation. (See Koomruian, Harry, assignor.)
Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
Tyler, W. S., Company, The. (See Reynolds, M. P., and Piggott, assignors.)
U S L Battery Corporation. (See Jackson, Alexander F., assignor.)
Umbilikamp Company, The. (See Davis, Frederick W., assignor.)
Union Metal Manufacturing Company, The. (See Riemenschneider, Edmund W., assignor.)
Union Metal Products Company. (See Kinne, Edmund P., assignor.)
Union Special Machine Company. (See Rubel, Charles F., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Engineering & Foundry Company. (See Reilly, E. C., and Pennington, assignors.)
United Shoe Machinery Corporation. (See Balcom, Frederick J., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See Briegler, Hugh E., assignor.)
United Shoe Machinery Corporation. (See Nown, Horace V., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United States Rubber Company. (See Shaw, G. B., Sturdevant, and Short, assignors.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Cutter, John, assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Urschel, Bertis H., Bowling Green, assignor to Urschel Engineering Company, Toledo, Ohio. Shaping metal tubes. 1,983,584; Dec. 11.
Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulation. 1,983,715; Dec. 11.
Utilities Research Commission, Inc. (See Peffer, Harry C., assignor.)
Vacher, Henry E. J. (See Buelna, G., and Vacher.)
Vanbrunt, Harry D., Los Angeles, Calif. Brake. 1,984,348; Dec. 11.
Van Dam, Henry. (See Shugart, E. W., and Van Dam.)
Van Dam, Henry, Kalamazoo, Mich. Switch mechanism for pumps. 1,983,825; Dec. 11.
Vanderbilt, R. T., Co. (See Champion, Charles H., assignor.)
Vanderbilt, R. T., Company. (See Sproat, Ira E., assignor.)
Van Ranst, Cornelius W., Detroit, Mich. Motor vehicle. 1,984,291; Dec. 11.
Van Valkenburge, Edgar H., Gloversville, N. Y. Leather surfacing machine. 1,983,585; Dec. 11.
Van Walshouser, Joseph. (See Sutton, J. L., and Van Walshouser.)
Vassos, John, New Canaan, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 94,059; Dec. 11.
Vaughan, Henry P., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,984,327; Dec. 11.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Road rail. 1,983,924; Dec. 11.
Vernaud, André, Geneva, Switzerland. Time fuse for projectiles. 1,984,098; Dec. 11.
Vermont Spool & Bobbin Co. (Incorporated). (See Wilson, William H., assignor.)
Viall, George K., assignor to Chain Belt Company, Milwaukee, Wis. Recording mechanism for truck mixers and the like. 1,983,887; Dec. 11.
Viard, Georges, assignor to Lignes Telegraphiques et Telephoniques, Paris, France. Telecommunication system. 1,984,099; Dec. 11.
Victor Chemical Works. (See Adler, H., and Gottlieb, assignors.)
Victor Chemical Works. (See Lindberg, Nils C., assignor.)
Vidal, Angel C., Brooklyn, N. Y. Safety lock box. 1,983,716; Dec. 11.
Vidrio Products Corporation et al. (See Soreng, Edgar M., assignor.)
Vinella, Peter, Minneapolis, Minn. Terrazo cove grinder. 1,984,205; Dec. 11.
Virginia Smelting Company. (See Binns, Frederick W., assignor.)
Visco Meter Corporation. (See Eckstein, George R., assignor.)
Von Schütz, Friedrich, Berlin-lichterfelde, Germany. Prepayment mechanisms for gas meters. 1,984,100; Dec. 11.
Von Soden-Fraunhofen, Alfred G., Friedrichshafen, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Change speed gear. 1,983,955; Dec. 11.
Wadsworth Watch Case Company, Incorporated, The. (See McFarland, James C., assignor.)
Wagner, Glenn H., Belleville, and W. L. Mowe, Lebanon, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Producing alkali metal pyroarsenates. 1,983,717; Dec. 11.
Wakefield, Howard D., Warren, Vt. Trellis. 1,983,950; Dec. 11.
Walker, Earl C. (See Engstrom, G. W., Faverty, and Walker.)
Wallace, Benjamin F., Brooklyn, N. Y. Foundry facing and making same. Re19,396; Dec. 11.
Wallace, R., & Sons Manufacturing Company. (See Vassos, John, assignor.)
Waller, Charles W., Chicago, Ill. Vertical lift flying machine. 1,984,292; Dec. 11.
Walter, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Method and device for determining the properties of stratified or fibrillated materials. 1,984,166; Dec. 11.
Walter, Henry C., Beloit, Wis., and W. L. Nies, assignors to Fairbanks, Morse & Co., Chicago, Ill. Electric power generating machine. 1,983,718; Dec. 11.
Walther, George, near Dayton, Ohio. Metal wheel. 1,984,048; Dec. 11.
Ward, Marshall H., Fairfield, Conn. Method of and apparatus for corrugating metallic tubes. 1,984,002; Dec. 11.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 94,060; Dec. 11.
Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Gas treating articles. 1,983,648; Dec. 11.
Watkins, Robert C., and J. May, San Francisco, Calif. Flexible doorstop. 1,983,784; Dec. 11.
Watson, Edward F., Larchmont, N. Y., and T. A. McCann, East Orange, N. J., assignors to American Telephone and Telegraph Company. Paper feed mechanism. 1,983,586; Dec. 11.
Watts, Henry A. (See Barber, W. E., and Watts.)
Webb, William E., Minneola, Fla. Vehicle steering wheel. 1,984,293; Dec. 11.
Weber, Anton. (See Stevens, H. L., and Weber.)
Weber Dental Manufacturing Company, The. (See Monnot, Edward L., assignor.)
Wells, Russell D., Pottstown, Pa. Concealed hinge mechanism for range doors. 1,983,686; Dec. 11.
Welsh, John T., Ridgway, Pa. Purification of liquid. 1,984 003; Dec. 11.
Welter, Gustave, assignor to The Bigelow Company, New Haven, Conn. Boiler construction. 1,983,649; Dec. 11.
Wendnagel, Charles M. E., Chicago, Ill. Chamfering machine. 1,983,719; Dec. 11.
Wesley, Dell H., Mardela Springs, Md. Ventilating system. 1,984,294; Dec. 11.
West End Chemical Company. (See Hellmers, Henry D., assignor.)
West, George L., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Ornamental glass and making the same. 1,983,720; Dec. 11.
Westerberg, Carl A. A., Djursholm, assignor to Aktiebolaget Superior, Stockholm, Sweden. Soot blower. 1,984,295; Dec. 11.
Western-Austin Company. (See Wilson, Fred D., assignor.)
Western Electric Company, Incorporated. (See Deakin, G., and Hatton, assignors.)
Western Electric Company, Incorporated. (See Purdy, C. A., and Park, jr., assignors.)
Western Electric Company, Incorporated. (See Schwartzmann, Harry, assignor.)
Western Union Telegraph Company, The. (See Curtinn, L. P., and Thordarson, assignors.)
Western Union Telegraph Company, The. (See Hewitt, Ernest W., assignor.)
Western Union Telegraph Company, The. (See Hoover, R., and Collings, assignors.)
Westinghouse Electric Elevator Company. (See Kinnard, Luther J., assignor.)
Westinghouse Electric Manufacturing Company. (See Lewis, Frank E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pupin, Michael I., assignor.)
Westinghouse X-Ray Company, Inc. (See Morrison, Montford, assignor.)
Weston, John L. (See Butler, H. R., and Weston.)
Wharton, Edward R., Medford, Mass. Safety razor. 1,984,243; Dec. 11.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Luggage. 1,983,721; Dec. 11.
Wheary Trunk Company. (See Wheary, George H., assignor.)
White, James F., Detroit, Mich. Cylinder head construction. 1,984,101; Dec. 11.
White, Richard D., New York, N. Y. Carburetor. 1,983,957; Dec. 11.
White, William S., Denver, Colo. Flushing system. 1,983,925; Dec. 11.
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Wick, John F., assignor to Wicks Pipe Organ Co., Highland, Ill. Balanced valve for pipe organs. 1,984,167; Dec. 11.
Wicks Pipe Organ Co. (See Wick, John F., assignor.)
Wienecke, Bruno. (See Loewe, S., and Wienecke.)
Wiesenthal, Helen, Elizabeth, N. J. Flowerpot stand. Des. 94,061; Dec. 11.
Wildhaber, Ernest, Brooklyn, N. Y. Presenting pictures. 1,984,004; Dec. 11.
Wilhelm, Arthur M., Randolph, N. Y. Wind T locator. 1,984,168; Dec. 11.
Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Boston, Mass. Electrolytic apparatus. 1,983,785; Dec. 11.
Will, Louis. (See Baker, Frank E., assignor.)
Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
Williams, William H., Highland Park, assignor of one-half to M. Hotchkiss, Detroit, Mich. Bowling-alley pin and making same. 1,983,722; Dec. 11.
Wilmington Trust Company, et al., executors. (See Perkins, M. A., and Bishop.)
Wilsdon, John J., assignor to The Shelby Gum Company, Shelby, Ohio. Container for confections. Des. 94,062; Dec. 11.
Wilson, Edwin P., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming vehicle wire wheel spokes. 1,984,102; Dec. 11.

Wilson, Fred D., Harvey, Ill., assignor to Western-Austin Company. Road machine. 1,983,826; Dec. 11.
Wilson, George D. (See Baker, G. R., and Wilson.)
Wilson, Livingston A., Flint, assignor to General Motors Corporation, Detroit, Mich. Carburetor air intake arrangement. 1,983,723; Dec. 11.
Wilson-Snyder Manufacturing Corporation. (See Shimer, John M., assignor.)
Wilson, William H., assignor to Vermont Spool & Bobbin Co. (Incorporated), Burlington, Vt. Yarn spool. 1,984,244; Dec. 11.
Winther, Anthony, Kenosha, Wis., and M. P. Winther, Waukegan, Ill. Transmission. 1,983,827; Dec. 11.
Winther, Martin P. (See Winther, Anthony and M. P.)
Winthrop Chemical Company, Inc. (See Streitwolf, K., and Fritzsche, assignors.)
Wired Radio, Inc. (See Butler, H. R., and Weston, assignors.)
Wired Radio, Inc. (See Gebhard, L. A., assignor, and Rudolph.)
Wise, Joseph A., Minneapolis, Minn. Sheet metal building construction. 1,983,828; Dec. 11.
Withrow, J. F. D., et al. (See Johnson, Arthur E., assignor.)
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Reflex finder for motion picture cameras. 1,984,103; Dec. 11.
Witter, Lawrie L., Jamaica Plain, Mass. Liquid dispensing device. 1,984,296; Dec. 11.
Wolbers, August B., Pittsburgh, Pa. Heat utilizing covering for stove pipes. 1,983,958; Dec. 11.
Wolfe, Arthur C., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Gas producer. 1,983,687; Dec. 11.
Wolfe, Herbert J., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Adhesive. 1,983,650; Dec. 11.
Woodman, George A., Chicago, Ill. Journal box. 1,983,724; Dec. 11.
Woolsey, Charles A., Minneapolis, Minn. Real estate sign. Des. 94,063; Dec. 11.
Wright, Joseph. (See Goodyear, E., and Wright.)
Wuebling, Harry B., Cincinnati, Ohio. Stabilizer for sliding closures. 1,983,959; Dec. 11.
Wurlitzer Grand Piano Company. (See Nelson, Reuben, assignor.)
Wyant, Ira A., Muskegon, and C. W. Dake, Grand Haven, assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Wheel hub and brake drum. 1,984,169; Dec. 11.
Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Broach holder. 1,984,104; Dec. 11.
Yates, Luther L., et al. (See Reynolds, Damian L., assignor.)
Yeoman, George W. (See Davenport, Joseph P., assignor.)
York Ice Machinery Corporation. (See Chamberlain, Joseph R., assignor.)
Young, Marvin S., Scarsdale, N. Y., assignor, by mesne assignments, to Socony-Vacuum Corporation. Fluid dispensing apparatus. 1,984,005; Dec. 11.
Youngstown Research Association Incorporated. (See Freed, C. J., Baum, and Patterson, assignors.)
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See von Soden-Fraunhofen, Alfred G., assignor.)
Zerweck, Werner, and W. Hechtenberg, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New indigoid vat dyestuffs. 1,983,888; Dec. 11.
Zetzmann, Hans J., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Keying. 1,984,105; Dec. 11.
Zielinski, Peter, Chicago, Ill. Spring motor. 1,984,206; Dec. 11.
Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
Ziminski, Theodore, Duluth, Minn. Hip truss. 1,983,829; Dec. 11.
Zinsser & Company, Incorporated. (See Gessler, Albert E., assignor.)
Zirmer, Martin, Portland, Oreg. Construction of cigarettes and the like. 1,983,926; Dec. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acoustic device. S. Ballantine. 1,983,833; Dec. 11.
Adhesive. H. J. Wolfe. 1,983,650; Dec. 11.
Aggregate treating apparatus. T. H. Morris. 1,984,315; Dec. 11.
Air circulator. H. C. Hueglin. Des. 94,029; Dec. 11.
Air cleaner. J. Mikulasek. 1,983,866; Dec. 11.
Air conditioning apparatus. A. J. R. Houston. 1,984,135; Dec. 11.
Air conditioning apparatus, Radiator type. H. L. Smith, jr., and L. N. Jones. 1,983,711; Dec. 11.
Air heating and conditioning system. J. N. Lewellen. 1,983,620; Dec. 11.
Air-method cleaner. D. B. Replogle. 1,983,566; Dec. 11.
Airplane wing. J. H. Schley, jr. Des. 94,055; Dec. 11.
Air vitiated with mercury vapors, Process and apparatus for purifying. A. Stock. 1,984,164; Dec. 11.
Alarm actuating apparatus for sprinkler systems and the like. W. A. Kennedy. 1,984,067; Dec. 11.
Alarm, Automatic fire and burglar. A. Kohlndorfer. 1,984,140; Dec. 11.
Alarm for automobiles, Theft. C. W. Clark and R. Rupert. 1,983,932; Dec. 11.
Alcohols, Manufacture of. L. A. Clarke and L. W. Cook. 1,984,334; Dec. 11.
Alkali metal pyroarsenates, Producing. G. H. Wagner and W. L. Mowe. 1,983,717; Dec. 11.
Alkyl halides, Preparation of. L. C. Holt and H. W. Daudt. 1,983,542; Dec. 11.
Alkyl-mercury-mercapto compounds, Water-soluble. K. Streitwolf and P. Fritzsche. 1,984,097; Dec. 11.
Alloy. R. E. Paine. 1,984,151–2; Dec. 11.
Alphabet for forming monograms or the like. M. Chernow. Des. 94,020; Dec. 11.
Amplifier system. B. F. Miessner. 1,983,802; Dec. 11.
Amplifying tube and operating same. L. Thompson. 1,983,714; Dec. 11.
Anchor and protector, Post. J. H. Gordon. 1,983,850; Dec. 11.
Anchoring device. H. H. Horner. 1,984,268; Dec. 11.
Anhydride, Manufacture of acetic. H. Hepworth and F. D. Leicester. 1,983,541; Dec. 11.
Anthraquinone selenazoles and preparing same. M. A. Perkins and O. M. Bishop. 1,983,562; Dec. 11.
Antibacking attachment for motor vehicles. J. L. Adams. 1,983,726; Dec. 11.
Antiricketic substances, Production of. A. J. Pacini. 1,983,944; Dec. 11.
Antiroost device. M. H. Keating. 1,983,613; Dec. 11.
Antiskid chain. B. H. Messersmith. 1,984,226; Dec. 11.
Aquarium. A. P. Swanson. Des. 94,058; Dec. 11.
Arch supporting plate. E. Matthias. 1,983,630; Dec. 11.
Armchair and bed device, Combined. H. Lamar and F. de P. Moreno. 1,984,311; Dec. 11.
Arsenate of lead, Making. O. F. Hedenburg. 1,984,305; Dec. 11.
Article of furniture, Combination. A. Ceslowitz. 1,984,207; Dec. 11.
Articles of manufacture, Molding or die-casting predetermined. L. H. Morin and D. Marinsky. 1,983,558; Dec. 11.
Ash can cover. V. A. Morhous. 1,984,228; Dec. 11.
Atomizing cap. K. Loesch. Des. 94,036; Dec. 11.
Attachment plug. S. F. French. 1,984,181; Dec. 11.
Automatic clutch. W. A. Hamilton. 1,984,131; Dec. 11.
Automatic device for stopping air leakage around valves. R. L. Clifton. 1,983,538; Dec. 11.
Automatic water gate. J. C. Stevens. 1,983,951; Dec. 11.
Automobile body. L. Larson and E. Johnstone. 1,983,983; Dec. 11.
Automobile gear shift lever knob. C. C. Puckett. Des. 94,048; Dec. 11.
Automobile pit. T. Martin. 1,983,984; Dec. 11.
Awning structure. J. D. Stevens. 1,984,095; Dec. 11.
Azo-dyestuffs and making same, Mixed chromiferous. F. Straub and H. Schneider. 1,984,096; Dec. 11.
Back spacing mechanism. H. A. Avery. 1,983,831; Dec. 11.
Badge or funeral insignia, Door. K. T. Dicks. 1,983,742; Dec. 11.
Bag: *See*—
Traveling bag.
Bag and method of manufacture. H. Felmann. 1,984,122; Dec. 11.
Bag closing and sealing machine. H. Anderson. 1,984,049; Dec. 11.
Bags, Making waxed paper. A. B. Kehr. 1,983,939; Dec. 11.
Bail container. J. E. Baechle. 1,983,525; Dec. 11.
Baking apparatus. G. W. Lyons. 1,984,027; Dec. 11.
Balancing condenser. L. A. Gebhard and C. F. Rudolph. 1,983,540; Dec. 11.
Basket, Metal flower. R. M. Koch. Des. 94,033; Dec. 11.
Battery: *See*—
Storage battery.
Battery plates, Apparatus for drying storage. W. L. Reinhardt. 1,983,995; Dec. 11.
Bearing construction. L. R. Helm. 1,984,213; Dec. 11.
Beeswax substitutes and preparing the same. J. Labarthe, jr., and D. K. Tressler. 1,983,672; Dec. 11.
Belt and suspenders, Combined elastic. L. F. Palkens. 1,983,636; Dec. 11.
Beverage container. J. M. and W. G. Schilling. Des. 94,053; Dec. 11.
Beverage cooling apparatus. D. F. Newman. 1,984,149; Dec. 11.
Beverage dispenser. S. Jacobs. Des. 94,032; Dec. 11.
Beverage maker and method. O. Thieme. 1,984,047; Dec. 11.
Bicycle stand. B. Cohen. 1,984,299; Dec. 11.
Billfold. P. A. Gardner, jr. 1,983,847; Dec. 11.
Binder, Loose leaf. C. E. Morehouse. 1,984,314; Dec. 11.
Block: *See*—
Ground base block.
Blower, Soot. C. A. A. Westerberg. 1,984,295; Dec. 11.
Board: *See*—
Wall board.
Bobbin, Making a dry cell. G. Lüdecke. 1,983,623; Dec. 11.
Boiler: *See*—
Hot water boiler. Water tube boiler.
Boiler. R. P. Glenn. 1,984,262; Dec. 11.
Boiler. E. Lundgren. 1,983,624; Dec. 11.
Boiler construction. G. Welter. 1,983,649; Dec. 11.
Bolometric resistance. M. Buchholz. 1,984,112; Dec. 11.
Book and method of manufacture, Loose leaf. F. S. Schade. 1,983,883; Dec. 11.
Booth. F. A. Noll, sr. 1,983,559; Dec. 11.
Bottle capper. H. G. Rice. 1,983,996; Dec. 11.
Bottle holder. A. Lestin. 1,984,022; Dec. 11.
Bowling-alley pin and making same. W. H. Williams. 1,983,722; Dec. 11.
Box: *See*—
Journal box. Safety deposit box.
Knocked down box. Safety lock box.
Box blank mechanism. C. Ruble, C. L. Bond, and E. P. Drake. 1,983,708; Dec. 11.
Box making machine. C. D. Knowlton. 1,983,547; Dec. 11.
Bracelet. E. Schissel. Des. 94,054; Dec. 11.
Bracelet or similar article of jewelry. J. M. Miller and G. F. Fenton. Des. 94,039–40; Dec. 11.
Brake: *See*—
Wheel brake.
Brake. H. D. Van Brunt. 1,984,348; Dec. 11.
Brake drum, Manufacturing a. C. W. Dake. 1,983,839; Dec. 11.
Breast protector. T. L. Cox. 1,984,253; Dec. 11.
Breathing appliance. R. H. Davis. 1,984,118–19; Dec. 11.
Briquette, Fire kindler. C. S. Palmer. 1,983,560; Dec. 11.
Broach holder. G. F. Yager. 1,984,104; Dec. 11.
Brush holding clamp. H. L. Stevens and A. Weber. 1,983,923; Dec. 11.
Brush rigging. W. D. Harrison. 1,983,799; Dec. 11.
Bucket and lip assembly, Dredge. W. H. Stires. 1,984,322; Dec. 11.
Bucket and lip assembly, Dredge. W. H. Stires. 1,984,324; Dec. 11.
Bucket, Dredge. W. H. Stires. 1,984,323; Dec. 11.
Building blocks, Making colored. A. O. Dandini. 1,984,059; Dec. 11.
Burner: *See*—
Fuel burner. Oil burner.
Burner and assembly therefor, Gas. P. J. Sonner. 1,983,644; Dec. 11.
Burners, Automatic operation of fuel. C. Schuck, jr., and G. Layer. 1,983,710; Dec. 11.
Bus ventilator. H. J. Graham. 1,983,979; Dec. 11.
Cabinet, Safety switch. M. Moreines. 1,984,075; Dec. 11.
Cabinet, Towel. F. M. Steiner and A. L. Overholt. 1,983,646; Dec. 11.
Cable and cord, Electrical. G. B. Shaw, E. G. Sturdevant, and C. W. Short. 1,984,038; Dec. 11.
Cable, Audiphone. M. Brown. 1,983,928; Dec. 11.
Calcium sulphite and paper containing the same. G. Haywood. 1,984,188; Dec. 11.
Calculating machine. C. Luttropp. 1,983,625; Dec. 11.
Calculating or adding machine. G. B. Petter. 1,983,945; Dec. 11.
Camera, Cinematograph. A. G. Hillman. 1,983,800; Dec. 11.
Camera, Identification. H. H. Cole. 1,983,898; Dec. 11.
Camera, Photographic. H. Nagel. 1,984,078; Dec. 11.
Cameras, Reflex finder for motion picture. O. Wittel. 1,984,103; Dec. 11.

Camphor, Synthesis of. E. K. H. Berger. 1,983,894; Dec. 11.
Canceling machine. E. Persson. 1,983,921; Dec. 11.
Candy product and process. R. W. Robinson and A. Olsen, jr. 1,983,568; Dec. 11.
Canister. E. E. Engstrom. Des. 94,022; Dec. 11.
Caoutchouc-like material. R. Beyer. 1,983,730–2; Dec. 11.
Caoutchouc-like material. R. Beyer. 1,984,246; Dec. 11.
Car retarder and system of control therefor, Magnetic. O. A. Ross. 1,984,320; Dec. 11.
Car, Steel frame refrigerator. D. L. Reynolds. 1,983,881; Dec. 11.
Carbon article and forming the same, Impervious. N. K. Chaney and E. F. Kiefer. 1,983,598; Dec. 11.
Carbon dioxide, Production of solid. J. R. Chamberlain. 1,984,249–50; Dec. 11.
Carbonaceous materals, Carbonizing. W. W. Odell. 1,983,943; Dec. 11.
Carbonizer. R. J. Hillstrom. 1,983,801; Dec. 11.
Carburetor. D. Collins. 1,984,252; Dec. 11.
Carburetor. J. R. Fisb. 1,983,660; Dec. 11.
Carburetor. E. H. Rustin. 1,984,287; Dec. 11.
Carburetor. H. P. Vaughan. 1,984,327; Dec. 11.
Carburetor. R. D. White. 1,983,957; Dec. 11.
Carburetor air intake arrangement. L. A. Wilson. 1,983,723; Dec. 11.
Carrier: *See*—
Looper carrier: Tire and wheel carrier.
Carrier current signaling system. R. W. Chesnut. 1,983,537; Dec. 11.
Carrier for braiding machines. M. Krissiep and H. Staub. 1,984,068; Dec. 11.
Carrier line system. H. S. Black. 1,983,528; Dec. 11.
Case: *See*—
Shipping case.
Casing head equipment. G. A. Humason and M. Manning. 1,983,938; Dec. 11.
Casting massive structures. H. J. Hick. 1,983,757; Dec. 11.
Casting massive structures, Apparatus for. H. J. Hick. 1,983,758; Dec. 11.
Cathode, Indirectly heated. S. Loewe and B. Wienecke. 1,983,621; Dec. 11.
Cathode tubes, Operating hot. H. Simon and W. Harries. 1,983,643; Dec. 11.
Cellulose derivative composition and softener therefor. E. E. Reid and G. L. Schwartz. 1,984,284; Dec. 11.
Cellulose esters and corresponding alkyl esters, Production of. C. J. Malm. 1,984,147; Dec. 11.
Cellulose nitrate-acylate, Preparation of. C. J. Staud and J. T. Fuess. 1,984,093; Dec. 11.
Cellulose nitro-acylate, Preparation of acetone-soluble. J. T. Fuess and C. J. Staud. 1,984,126; Dec. 11.
Centering device for lens machinery. T. B. Drescher. 1,984,121; Dec. 11.
Centrifugal device. W. A. Frantz and A. W. Seyfried. 1,983,661; Dec. 11.
Centrifugal molding machine. J. F. Ne Page. 1,984,197; Dec. 11.
Ceramic manufacture. J. I. Bahl. 1,984,108; Dec. 11.
Chain: *See*—
Antiskid chain.
Chain forming machine. F. E. Stahl. 1,983,683; Dec. 11.
Chair: *See*—
Folding chair.
Chair. W. H. Poggendorf. 1,984,281; Dec. 11.
Chamfering machine. C. M. E. Wendnagel. 1,983,719; Dec. 11.
Change speed gear. A. G. von Soden-Fraunhofen. 1,983,955; Dec. 11.
Channel-shaped articles, Method and machine for forming. H. F. Johnson. 1,984,020; Dec. 11.
Check valves and maintaining balance, Device for recording. A. Abel. 1,983,587; Dec. 11.
Chenille fur for carpet making. J. Hamilton. 1,983,663; Dec. 11.
Chlorates for blasting purposes and product thereof, Treating. L. Ivanoff and P. O. Björkman. Re19,394; Dec. 11.
Chloride, Polymerizing vinyl. W. L. Semon. 1,983,949; Dec. 11.
Chocolate, Treating. G. R. Baker and G. D. Wilson. 1,984,009; Dec. 11.
Christmas tree lighting set and case therefor or similar article, Combined. L. Pollock. Des. 94,047; Dec. 11.
Chucking mechanism. F. L. Cone. 1,984,177; Dec. 11.
Cigarette making machine. W. E. Molins and F. F. Ruau. 1,983,986; Dec. 11.
Cigarettes and the like, Construction of. M. Zirmer. 1,983,926; Dec. 11.
Cinematographic picture taking and projecting machine. G. Gualtierotti. 1,984,264; Dec. 11.
Circuit closer. E. A. Fingler. 1,983,973; Dec. 11.
Circuit for controlling transmission in signaling systems. Q. E. Greenwood. 1,984,065; Dec. 11.
Circuit interrupter. A. C. Schwager. 1,984,035; Dec. 11.
Circuit, Superregenerative. W. V. Roberts. 1,983,812; Dec. 11.
Circuit switching timer. R. D. Smith. 1,984,204; Dec. 11.
Circuits, Photocell. A. J. McMaster. 1,984,312; Dec. 11.
Clamp: *See*—
Brush holding clamp. Wire clamp.
Surgical clamp.
Clamp. J. T. Coleman. 1,983,933; Dec. 11.
Clasp for corsets and the like, Adjustable hook-lacing. J. A. Rice. 1,983,810; Dec. 11.
Cleaner: *See*—
Air cleaner. Air-method cleaner.
Cleaner. C. B. Christie. 1,983,600; Dec. 11.
Cleaning device. S. Pilato. 1,984,154; Dec. 11.
Cleansing apparatus for waste water and operating the same. R. Mensing. 1,984,029; Dec. 11.
Closet or wardrobe. J. N. Lowe. 1,984,193; Dec. 11.
Closure, Hinged. J. Morrison. 1,984,077; Dec. 11.
Clothes drier. G. M. Gibson. 1,983,750; Dec. 11.
Clothesline anchoring device. C. Librett. 1,984,274; Dec. 11.
Clothier's rack. J. Tanzer, D. Smith, and J. Arenstein. 1,984,001; Dec. 11.
Clutch: *See*—
Automatic clutch. Spring clutch.
Friction clutch.
Clutch construction. C. B. Spase. 1,983,885; Dec. 11.
Cocktails and the like, Serving. J. B. Nixon. 1,984,030; Dec. 11.
Coil separating machine and method. L. A. Shuey. 1,983,042; Dec. 11.
Coin controlled mechanism for gas and similar meters. E. W. Smith and A. Charles. 1,984,161; Dec. 11.
Coin receptacle cover. O. A. Shann. 1,984,037; Dec. 11.
Collector control system. F. E. Lewis. 1,983,940; Dec. 11.
Color fountain for web printing presses, Auxiliary. W. J. Morrison and G. C. Spicer. 1,983,987; Dec. 11.
Combination lock. G. Prina. 1,983,773; Dec. 11.
Combine harvester. C. A. Grasswick. 1,984,184; Dec. 11.
Composition building material. L. Krischbraun. 1,984,218; Dec. 11.
Composition of matter, etc. C. H. Champion. 1,984,173; Dec. 11.
Compression coupling. B. E. Dohner. 1,983,840; Dec. 11.
Compressor construction for filing drawers. F. L. G. Straubel. 1,983,575; Dec. 11.
Compressor, Multistage rotary. W. G. E. Rolaff. 1,983,997; Dec. 11.
Compressor unloader. C. S. Baker. 1,984,171; Dec. 11.
Concrete mat. W. R. Pierson. 1,983,772; Dec. 11.
Concrete pipe making machine. C. C. Quinn and H. Edgerton. 1,983,775; Dec. 11.
Condenser: *See*—
Balancing condenser. Electrical condenser.
Conductor, Insulated electric. B. H. Reeves. 1,983,563–4; Dec. 11.
Conduit junction. J. E. Trainer and B. H. Miller. 1,984,242; Dec. 11.
Confection forming device. G. A. Penrose, K. F. Thomas, and G. A. Penrose, jr. 1,983,704; Dec. 11.
Connecter: *See*—
Lamp bulb connecter.
Connecter. W. P. Glaske. 1,984,016; Dec. 11.
Connecter. T. J. Little. 1,984,026; Dec. 11.
Container: *See*—
Bail container. Shipping container.
Display container. Thermo container.
Expansible container.
Container. A. A. Archbold, jr. 1,981,170; Dec. 11.
Container. J. R. Bedell. 1,983,689; Dec. 11.
Container. L. D. Johnson. 1,984,351; Dec. 11.
Container for confections. J. J. Wilsdon. Des. 94,062; Dec. 11.
Control of arc welder head. L. C. Shippy. 1,983,781; Dec. 11.
Control system. L. J. Kinnard. 1,984,308; Dec. 11.
Control system. W. M. Scott. 1,983,817; Dec. 11.
Control system for flying shears. F. C. Biggert, jr. 1,984,051; Dec. 11.
Controlling and guiding device for the faller bars of gill boxes. R. Schlumberger. 1,984,200; Dec. 11.
Controlling mechanism especially for greenhouse ventilators. A. F. Cooke. 1,983,521; Dec. 11.
Cooker and like apparatus, Steam. G. C. Crensy. 1,983,899; Dec. 11.
Cord reel and making the same. D. B. Replogle. 1,983,565; Dec. 11.
Corn cutter. J. C. McIntyre. 1,983,557; Dec. 11.
Coupling: *See*—
Compression coupling. Pipe coupling.
Cover: *See*—
Ash can cover. Coin receptacle cover.
Covering for stove pipes, Heat utilizing. A. B. Wolbers. 1,983,958; Dec. 11.
Coverings to packages and the like, Application of. J. A. Clemens. 1,984,056; Dec. 11.
Crate, Foldable. B. Huggins. 1,984,269; Dec. 11.
Crayon holder. N. Bafetti. 1,983,728; Dec. 11.
Crystallizing and curing tank, Gas actuated. J. J. Munson and G. L. Pace. 1,983,805; Dec. 11.
Culvert, Interlocking. F. J. Moss. 1,984,196; Dec. 11.
Culverts, Making. J. R. Freeze and R. W. Shartle. 1,984,125; Dec. 11.
Current impulse transmitter. M. Amann. 1,983,960; Dec. 11.
Current tapping device. A. Abramson. 1,983,725; Dec. 11.
Current to electrothermic melting furnaces, Arrangement for supply of. H. Ingelsrud. 1,983,544; Dec. 11.
Cut-off mechanism. S. M. Langston and K. Sieg. 1,984,042; Dec. 11.
Cut-off mechanism. K. Sieg. 1,984,040; Dec. 11.
Cut-off mechanism. K. Sieg. 1,984,043; Dec. 11.
Cut-off mechanisms, Continuously operating. K. Sieg. 1,984,041; Dec. 11.

Cutter: *See*—
Corn cutter. Hose cutter.
Cutting press. A. Drucker. 1,983,842; Dec. 11.
Cylinder head construction. J. F. White. 1,984,101; Dec. 11.
Cylindrical bodies, Apparatus for welding. V. E. Cornell. 1,984,300; Dec. 11.
Decelerometer. R. J. Alden. 1,983,830; Dec. 11.
Deodorizer. H. Carter. 1,984,055; Dec. 11.
Diagnostic method and apparatus. J. P. Buckley. 1,983,534; Dec. 11.
Die block for extrusion presses and method of extruding, Weldless. C. C. Jacobson. 1,983,761; Dec. 11.
Die casting machine, Automatic. H. Hoffmann and M. Luedtke. 1,984,189; Dec. 11.
Direction finder. E. Bellini. 1,983,729; Dec. 11.
Dishwashing machine. H. C. Carter. 1,983,931; Dec. 11.
Disodium phosphate, Production of. N. C. Lindberg. 1,984,146; Dec. 11.
Dispenser: *See*—
Soap dispenser.
Dispensing pump. E. W. Shugart. 1,983,819; Dec. 11.
Dispensing receptacle. A. Rice. 1,983,707; Dec. 11.
Dispersions, Treating. H. Limburg. 1,984,023–4; Dec. 11.
Display apparatus, Rotary. J. Maas. 1,983,861; Dec. 11.
Display container. J. J. Gaffney. 1,983,696; Dec. 11.
Display lamp. H. J. Gilman and T. E. Mueller. Des. 94,025; Dec. 11.
Display stand. O. E. Karnes. 1,983,858; Dec. 11.
Display stand, Rotary. J. E. Hines. 1,984,343; Dec. 11.
Distributor. M. Mallory. 1,984,275–6; Dec. 11.
Distributor rotor assembling device. L. E. Poole. 1,983,808; Dec. 11.
Divided channel system. R. Hoover and F. C. Collings. 1,983,905; Dec. 11.
Dolly. R. J. and G. A. Hutt. Des. 94,031; Dec. 11.
Doorcheck. R. C. Seyforth. 1,983,999; Dec. 11.
Doorlatch mechanism. H. W. Rightmyer. 1,983,639; Dec. 11.
Doorstop, Flexible. R. C. Watkins and J. May. 1,983,784; Dec. 11.
Draft connection for implements. R. G. Le Tourneau. 1,983,860; Dec. 11.
Draft diverter. C. S. Andersen. 1,983,515; Dec. 11.
Drawer, Filing. F. L. G. Straubel. 1,983,573–4; Dec. 11.
Drier: *See*—
Clothes drier. Warp drier.
Drill head. L. C. Hardsocg. 1,983,798; Dec. 11.
Drill pipe float. R. C. Baker. 1,984,107; Dec. 11.
Drill rod and detachable bit. C. Lang. 1,984,220; Dec. 11.
Drive for machine tools, Hydraulic. W. and J. P. Ferris. 1,983,900; Dec. 11.
Drive of machines for casting stereotype plates. K. Schaefein. 1,983,814; Dec. 11.
Drives for ships, Controlling electric. G. Mitzlaff and R. Bruderlink. 1,983,917; Dec. 11.
Duplicating machine. C. H. Bradt. 1,983,517; Dec. 11.
Dyestuffs, Manufacture of yellow mordant. E. Bodmer and F. Neitzel. 1,984,110; Dec. 11.
Dyestuffs, New indigoid vat. W. Zerweck and W. Hechtenberg. 1,983 888; Dec. 11.
Ear exercising device. J. P. Davenport. 1,983,737; Dec. 11.
Earthenware body. I. E. Sproat. 1,984,163; Dec. 11.
Easel. W. M. Hanson. 1,983,981; Dec. 11.
Egg grading and packing apparatus. C. N. Barton. 1,983,892; Dec. 11.
Egg packing apparatus. C. N. Barton. 1,983,893; Dec. 11.
Electric actuating mechanism for ice-cream freezers. B. A. Benson. 1,983,653; Dec. 11.
Electric connecting device. A. H. Nero. 1,984,278; Dec. 11.
Electric discharge tube. P. W. Dobben. 1,983,743; Dec. 11.
Electric switch. P. Foy. 1,984,124; Dec. 11.
Electric water heater. E. L. Monnot. 1,984,076; Dec. 11.
Electrical connecter for toy electric railways. L. W. Rosenthal. 1,983,776; Dec. 11.
Electrical discharge tube. P. F. Scofield. 1,983,679; Dec. 11.
Electrical insulating device having a terminal thereon and a method of making it. H. Schwartzmann. 1,984,036; Dec. 11.
Electrode. H. E. Kimble. 1,983 669; Dec. 11.
Electrode and making the same, Arc welding. M. L. Luckenbaugh and T. D. Radcliffe. 1,983,552; Dec. 11.
Electrolytic apparatus. R. A. Wilkins. 1,983,785; Dec. 11.
Emulsifier. L. P. Shropshire. 1,983,782; Dec. 11.
Engine: *See*—
Two-stroke cycle engine.
Engine. J. W. Kinnucan and J. O. Fink. 1,983,699; Dec. 11.
Engine drive mechanism. R. Abell. 1,984,297; Dec. 11.
Engine manifold. A. A. Catlin and H. W. Asire. 1,984 010; Dec. 11.
Engine starting apparatus. R. Bertsche, jr. 1,983,787; Dec. 11.
Engine starting system. J. Good. 1,983,849; Dec. 11.
Entrails, Apparatus for defatting. W. Miller. 1,984,227; Dec. 11.
Ester of polycarboxylic acids. E. E. Reid and G. L. Schwartz. 1,984,283; Dec. 11.
Esters of cellulose acetate phthalate, Preparation of benzyl. C. J. Staud and W. O. Kenyon. 1,984,094; Dec. 11.
Evaporator for refrigerators. L. A. Philipp. 1,983,990; Dec. 11.
Exercising apparatus. V. C. Luppert. 1,983,911; Dec. 11.
Expansible container. N. Ottinger. 1,984,150; Dec. 11.
Extruded shapes with interlock and making same. E. Peremi and L. Toth. 1,984,232; Dec. 11.
Fabric and making same, Lockstitch knit. J. Titone. 1,984,326; Dec. 11.
Fan. W. A. Geise. 1,983 606; Dec. 11.
Fastener and connecter, Combination. W. R. Larter. 1,984,069; Dec. 11.
Fastener cap. H. V. Rau. 1,983,879; Dec. 11.
Fastening for T shaped handles, Permanent. C. W. Halsey and F. W. Kunath. 1,984,350; Dec. 11.
Fastening-supplying apparatus. F. J. Balcom. 1,984,109; Dec. 11.
Fastening-supplying apparatus. H. E. Briegleb. 1,983,594; Dec. 11.
Fats, fat emulsions, and the like to a rotating drum, Apparatus for applying liquid. R. Knollenberg. 1,983,982; Dec. 11.
Faucet. W. D. Bost. Des. 94,016; Dec. 11.
Faucet connection. J. L. Sutton and J. Van Walshauser. 1,984,347; Dec. 11.
Feed collet. I. H. Sheffer. 1,983,950; Dec. 11.
Ferrous article and making it, Metal coated. F. M. Crapo. 1,984,335; Dec. 11.
Fibrous articles, Apparatus for the production of pressed. G. J. Manson. 1,983,553; Dec. 11.
Fibrous articles, Process and apparatus for finishing pressed. G. J. Manson. 1,983,554; Dec. 11.
Filament support. W. W. Eitel and J. McCullough. 1,983,694; Dec. 11.
Filaments, Manufacture of artificial. J. J. Stoeckly and A. Brötz. 1,984,325; Dec. 11.
Film and ink for making same, Inscription bearing. H. Lummerzheim and E. Schnitzler. 1,983,910; Dec. 11.
Film magazine. N. Bouveng. 1,984,111; Dec. 11.
Film moving mechanism, Intermittent. W. A. Kraft. 1,984,143; Dec. 11.
Filter device. C. J. Freed, G. M. Baum, and F. S. Patterson. 1,984,339; Dec. 11.
Finishing machine. H. V. Nown. 1,983,635; Dec. 11.
Fishing apparatus. H. C. Krohn. 1,984,272; Dec. 11.
Fishing rod tip end. L. and S. Gurrieri. 1,984,349; Dec. 11.
Float for glass tank feeding shelves, Heat retaining. F. G. Schwalbe. 1,983,816; Dec. 11.
Flowerpot stand. H. Wiesenthal. Des. 94,061; Dec. 11.
Fluid dispensing apparatus. M. S. Young. 1,984,005; Dec. 11.
Fluid dispensing machine. H. J. Asoesty. 1,984,298; Dec. 11.
Flushing system. W. S. White. 1,983,925; Dec. 11.
Flying machine, Vertical lift. C. W. Waller. 1,984,292; Dec. 11.
Folding chair. I. Spanopoulos. 1,984,238; Dec. 11.
Follower construction for filing drawers. F. L. G. Straubel. 1,983,576; Dec. 11.
Footballs, basketballs, or like inflatable balls, Apparatus for treating. B. Kozmer. Re19,393; Dec. 11.
Forging apparatus. J. Lamond. 1,983,618; Dec. 11.
Foundry facing and making same. B. F. Wallace. Re19,396; Dec. 11.
Fractionating apparatus. M. H. Kotzebue. 1,983,762; Dec. 11.
Frame: *See*—
License plate frame. Screen and sash frame.
Frequency adjusting system. L. A. Gebhard and C. F. Rudolph. 1,984,301; Dec. 11.
Friction clutch. G. Fast. 1,984,337; Dec. 11.
Fruit washing machine. L. E. Jones. 1,983,906; Dec. 11.
Fuel burner. E. Schmidt. 1,983,709; Dec. 11.
Fuel support for gas generators and other combustion apparatus. F. W. Steere. 1,984,045; Dec. 11.
Furnace: *See*—
Refuse burning furnace.
Furnace. W. Ryan. 1,984,157; Dec. 11.
Furnace charger. E. C. Reilly and H. D. Pennington. 1,984,032; Dec. 11.
Furnace operation, Open hearth. Q. Bent, E. F. Entwisle, and V. J. Pazzetti. 1,983,927; Dec. 11.
Fuse for projectiles, Time. A. Veraud. 1,984,098; Dec. 11.
Fuse plug, Electric. S. Quisling. 1,983,993; Dec. 11.
Fuse structure. W. D. Kyle. 1,983 859; Dec. 11.
Game apparatus. L. W. Gensburg. Des. 94,024; Dec. 11.
Game apparatus. B. Macdongall. 1,983,811; Dec. 11.
Game apparatus. G. Smith. Des. 94,056; Dec. 11.
Garment. H. A. Cornblum. 1,984,011; Dec. 11.
Garment. J. H. Lakritz. 1,984,310; Dec. 11.
Gas heater. G. H. McFadden. Des. 94,038; Dec. 11.
Gas producer. A. C. Wolfe. 1,983,687; Dec. 11.
Gas treating articles. A. H. Warth. 1,983,648; Dec. 11.
Gate: *See*—
Automatc water gate.
Gear: *See*—
Change speed gear. Marine reverse gear.
Hydraulic control gear. Starting gear.

Gear and manufacture, Silent. W. W. Carter. 1,984,113; Dec. 11.
Gear finishing generating machine. E. W. Miller. 1,984,194; Dec. 11.
Gear grinding machine, Helical. E. E. Eaton. 1,984,259; Dec. 11.
Gearing, Change speed. K. Sieg. 1,984,039; Dec. 11.
Gearing, Intended particularly for power driven vehicles, Epicyclic. C. Mathys-Muller. 1,983,804; Dec. 11.
Generator: *See*—
Oscillation generator.
Glass and making same, Ornamental. G. L. West. 1,983,720; Dec. 11.
Glass, Apparatus for handling and inspecting plate. H. S. Heichert. 1,983,755; Dec. 11.
Glove. W. H. Gillespie. 1,984,183; Dec. 11.
Glove. I. Steinberger. 1,984,240; Dec. 11.
Glow discharge tube. M. Ponte. 1,983,638; Dec. 11.
Gold and other precious metals from milled ores and placer material, Apparatus for recovering. F. D. Lewis. 1,983,701; Dec. 11.
Golf swing device. D. W. Perin. 1,983,920; Dec. 11.
Grade indicator for motor vehicles and the like. S. T. Smith. 1,984,236; Dec. 11.
Grease excluding ring. M. D. Fitzgerald. 1,983,746; Dec. 11.
Greenhouse equipment. W. F. Norman. 1,983,806; Dec. 11.
Grid construction. D. Y. Smith. 1,984,160; Dec. 11.
Grinder, Terrazo cove. P. Vinella. 1,984,205; Dec. 11.
Grinding machine. C. W. Hopkins. 1,983,853; Dec. 11.
Grinding wheel. A. P. Beebe. 1,984,050; Dec. 11.
Ground base block. G. F. Lindsley. 1,984,221; Dec. 11.
Group stitches, Method of and apparatus for forming. M. McCann. 1,983,555; Dec. 11.
Guard. A. E. Rice and J. W. Trew. 1,983,809; Dec. 11.
Guard, Saw. H. Thomas. 1,983,582; Dec. 11.
Guard, Snow. C. G. Buedel. 1,983,518; Dec. 11.
Guide construction for filing drawers. F. L. G. Straubel. 1,983,577; Dec. 11.
Gypsum, Calcining. W. B. Senseman. 1,984,201; Dec. 11.
Hair device. J. Goodman. 1,983,978; Dec. 11.
Hair treating apparatus and also process of permanently straightening hair on a human head. J. K. Livingston. 1,983,909; Dec. 11.
Hair waving, Apparatus for. G. Decker. 1,983,970; Dec. 11.
Handle grip. A. Hessmert. 1,983,756; Dec. 11.
Hatches, Device for battening down. D. W. Halvorsen. 1,984,130; Dec. 11.
Health apparatus. J. M. Tolchin. 1,984,165; Dec. 11.
Heater: *See*—
Electric water heater. Water heater.
Limb heater.
Heating apparatus, Combined furnace and domestic hot water. D. Elsinga. 1,983,843; Dec. 11.
Heat-trenting apparatus. A. N. Lindberg. 1,983,551; Dec. 11.
Heel, Shoe. W. H. Nutt. Des. 94,046; Dec. '11.
High speed double-rotor motor. P. Böttcher. 1,983,896; Dec. 11.
Hinge connection for water closet seats and covers. H. C. Leslie. 1,984,192; Dec. 11.
Hinge mechanism for range doors, Concealed. R. D. Wells. 1,983,686; Dec. 11.
Hoisting apparatus. E. E. Garrick. 1,983,749; Dec. 11.
Hoisting apparatus. O. P. Liebreich. 1,984,071; Dec. 11.
Holder: *See*—
Bottle holder. Jar holder.
Broach holder. Razor strop holder.
Crayon holder.
Holder and expander for piston rings. H. A. Berkman. 1,983,965; Dec. 11.
Hook: *See*—
Meat hook.
Hoop governor with double acting weight. J. O. Almen and J. Dolza. 1,984,006; Dec. 11.
Horn control device. H. B. Luyster. 1,983,912; Dec. 11.
Hose cutter. L. P. Berwick. 1,983,837; Dec. 11.
Hot water boiler. C. F. Carmell. 1,984,248; Dec. 11.
Hub shells of vehicle wheels, Forming. C. W. Sinclair. 1,984,091; Dec. 11.
Hull construction. A. Berardinelli. 1,983,964; Dec. 11.
Humidifying system. C. Hagen. 1,983,753; Dec. 11.
Humidity indicator, Direct reading relative. J. J. Grebe and L. C. Chamberlain. 1,984,341; Dec. 11.
Hydraulic control gear. H. S. Hele-Shaw and T. E. Beacham. 1,983,884; Dec. 11.
Hydrocarbons, Cracking. E. C. Herthel. 1,983,664; Dec. 11.
Hydrocarbons, Thermal decomposition of. F. M. Pyzel. 1,983,992; Dec. 11.
Hygroscope. R. F. Reed. 1,984,233; Dec. 11.
Ignition timer. J. T. Fitzsimmons. 1,983,794; Dec. 11.
Impact device. L. K. Davis. 1,984,117; Dec. 11.
Indicator: *See*—
Humidity indicator. Tire deflation indicator.
Liquid level indicator.
Indicator. A. L. Stemwedel. Des. 94,057; Dec. 11.
Inhaling device. T. Schwedenberg and R. Auerbach. 1,984,159; Dec. 11.
Inking mechanism for printing presses. H. Irmscher. 1,983,610; Dec. 11.
Insulator brackets and the like, Mechanism for forming. C. Fassinger. 1,983,935; Dec. 11.
Insulator support for power rails. W. C. Banks. 1,984,245; Dec. 11.
Internal combustion engine. H. L. Doherty. 1,983,971; Dec. 11.
Internal combustion engine, Two-stroke cycle. P. K. Saunders. 1,984,288; Dec. 11.
Irrigating device and support for trees, Combined. H. M. Hamer. 1,984,265; Dec. 11.
Jacket for molds, Pouring. H. R. Street. 1,983,581; Dec. 11.
Jacquard mechanism. H. Goodley. 1,984,128; Dec. 11.
Jar. I. J. McCullough. 1,983,865; Dec. 11.
Jar. O. C. Noble. Des. 94,043; Dec. 11.
Jar and closure, Combined. M. S. Desser. 94,021; Dec. 11.
Jar holder. W. A. Potter. 1,983,946; Dec. 11.
Jig for working on clutches. W. G. Parker and E. E. Bassette. 1,984,231; Dec. 11.
Joint: *See*—
Oscillating pivot joint. Stove pipe joint.
Rod end joint.
Journal box. G. A. Woodman. 1,983,724; Dec. 11.
Keyboard perforator and counter. A. H. Reiber and M. T. Goetz. 1,984,317; Dec. 11.
Key for locks. L. B. Shinn. 1,984,202; Dec. 11.
Key structure for piano accordions. R. Nelson. 1,984,079; Dec. 11.
Keying. H. J. Zetzmann. 1,984,105; Dec. 11.
Kit, Mechanic's. H. L. Kennedy. 1,984,345; Dec. 11.
Kite, Collapsible. J. F. Neary. 1,984,229; Dec. 11.
Knitting machines, Fluid operated reciprocating mechanism for. M. Richter. 1,984,319; Dec. 11.
Knocked down box. R. M. Lackey. 1,983,700; Dec. 11.
Knotter. R. Tatlock. 1,983,953; Dec. 11.
Laminated material. W. H. Charch and T. G. Finzel. 1,983,520; Dec. 11.
Laminated material. K. E. Prindle. 1,983,875; Dec. 11.
Laminated material and preparing same. U. Ostwald. 1,983,870; Dec. 11.
Laminating. U. Ostwald. 1,983,871; Dec. 11.
Lamp bracket and pendant, Combined. E. W. Sadler, D. N. Pierce, and M. P. Mortensen. Des. 94,052; Dec. 11.
Lamp bulb connecter, Electric. G. J. Seiss. 1,983,818; Dec. 11.
Lamp for vehicles, Rear. J. F. Pagendarm. 1,983,771; Dec. 11.
Lamp starting device. H. M. Erdmann. 1,983,605; Dec. 11.
Lathe, Double and automatic. F. L. Cone. 1,984,176; Dec. 11.
Lead, Producing tetra alkyl. W. S. Calcott, A. E. Parmelee, and J. L. Stecher. 1,983,535; Dec. 11.
Leather surfacing machine. E. H. Van Valkenburgh. 1,983,585; Dec. 11.
Leer loader. A. W. Beeson and I. H. Strider. 1,983,593; Dec. 11.
Legging. F. B. Reiss. 1,983,880; Dec. 11.
Lens grinding machine. J. J. McCabe. 1,984,074; Dec. 11.
Lens testing instrument. L. V. Foster. 1,984,123; Dec. 11.
Lewis and casket rest for burial vaults. W. W. Haase. 1,984,211; Dec. 11.
License plate frame. S. Kenny. 1,983,614; Dec. 11.
Lighter and dispenser, Electric cigarette. H. H. La Vercombe. 1,984,070; Dec. 11.
Lighter, Automatic. H. A. Mantz. 1,983,863; Dec. 11.
Lighter, Cigarette. L. K. Davis. 1,983,738; Dec. 11.
Lighter, Electric. E. M. Soreng. 1,983,645; Dec. 11.
Lightning arrester. A. T. Carter. 1,984,333; Dec. 11
Limb heater. M. Lindner. 1,983,907; Dec. 11.
Lineman's climbers. R. C. Bailey. 1,983,526; Dec. 11.
Link unit for concealed hinges. J. Soss. 1,984,092; Dec. 11.
Liquid dispensing device. L. L. Witter. 1,984,296; Dec. 11.
Liquid level indicator. G. L. Sherwood. 1,984,000; Dec. 11.
Liquid purification. J. T. Welsh. 1,984,003; Dec. 11.
Liquids, Apparatus for separating. B. D. Comyn. 1,984,057; Dec. 11.
Liquids containing active principles or hormones from parathyroid glands, Preparing. N. Evers, C. J. Eastland, and J. H. Thompson. 1,984,260; Dec. 11.
Liquids, Method and apparatus for preventing foaming of. L. O. Gunderson. 1,984,210; Dec. 11.
Lock: *See*—
Combination lock. Wheel lock.
Telephone lock.
Lock-out lever mechanism for free wheeling units. C. Drexler. 1,983,841; Dec. 11.
Lock strike, Adjustable. A. G. Lyons and W. H. Sterrett. 1,984,222; Dec. 11.
Looms, Recording device for. O. V. Payne. 1,983,872; Dec. 11.
Looper carrier. J. M. Merrow. 1,983,631; Dec. 11.
Lubricating mechanism. C. B. Morrish and W. H. Rex, jr. 1,984,148; Dec. 11.
Luggage. G. H. Wheary. 1,983,721; Dec. 11.
Machine for applying sealing annuli to receptacle covers. L. L. Ludington. 1,984,223; Dec. 11.
Machine for de-lasting boots and shoes. M. Grune. 1,984,263; Dec. 11.

Machine for forming forgings. H. F. Johnson. 1,984,021; Dec. 11.
Machine for generating dies of irregular surface. J. F. Pagendarm. 1,983,770; Dec. 11.
Machine for shaping heel breast covering flaps. L. J. Bazzoni. 1,983,591; Dec. 11.
Machine for testing the sharpness of blades. E. J. Cassleman. 1,983,597; Dec. 11.
Machine tool driving connection. D. B. Bullard. 1,984,052; Dec. 11.
Magazine-changing device for typographical composing and distributing machines. C. A. Albrecht. 1,983,524; Dec. 11.
Magnesium base alloy. J. A. Gann. 1,983,975; Dec. 11.
Magnetic tripping device, Electric. J. Kagan. 1,983,857; Dec. 11.
Marine reverse gear. C. H. Barton and C. Drexler. 1,983,835; Dec. 11.
Marker, Edge road. D. E. Ross. 1,984,085; Dec. 11.
Marker for grave sites. W. F. Norman. 1,983,807; Dec. 11.
Mat, Golf tee. C. W. Kohler. 1,983,671; Dec. 11.
Materials, Apparatus for molding. C. J. Moroney, S. C. Meredith, and K. A. Meserole. 1,983,942; Dec. 11.
Materials for fixation, Treatment of perishable. H. W. M. McCrabbe. 1,983,556; Dec. 11.
Materials, Method and device for determining the properties of stratified or fibrillated. H. Walter. 1,984,166; Dec. 11.
Measuring instrument, Electrical. R. D. Hickok. 1,983,665; Dec. 11.
Meat hook. J. J. Quirk. 1,983,706; Dec. 11.
Medical pad. W. M. Scholl. 1,984,158; Dec. 11.
Medicine and preparing same. G. C. Taylor. 1,983,954; Dec. 11.
Member for framework. H. Junkers. 1,983,612; Dec. 11.
Metal, Production of refined. J. W. Flannery. 1,983,604; Dec. 11.
Metal transfer. E. M. Chandler. 1,983,578; Dec. 11.
Metal transfer device. J. A. Nock, jr. 1,983,580; Dec. 11.
Metal transfer system. W. T. Ennor and W. E. King. 1,983,579; Dec. 11.
Metal wheel. G. Walther. 1,984,048; Dec. 11.
Metallic articles, Making composite. S. L. Ingersoll. 1,983,760; Dec. 11.
Metallic composition and contacts thereof, Hard. G. N. Sieger. 1,984,203; Dec. 11.
Microscope. G. B. Gallasch. 1,984,127; Dec. 11.
Mill of the roll and adjustable breast bar type, Refining. H. E. Cox and J. R. Torrance. 1,983,736; Dec. 11.
Mirror, Make-up. O. C. Ritz-Woller. Des. 94,049–51; Dec. 11.
Modulation. G. L. Usselman. 1,983,715; Dec. 11.
Modulation system. E. S. Purington. 1,984,156; Dec. 11.
Mold: *See*—
Permanent mold. Vented mold.
Mold and molding material, Plastic. H. W. Daubenmeyer. 1,983,602; Dec. 11.
Mold for artificial stone steps. J. J. Scheel. 1,984,087; Dec. 11.
Molding apparatus. C. L. Keller. 1,984,307; Dec. 11.
Motion transmitting device, Intermittent. O. A. Schmitt. 1,983,570; Dec. 11.
Motor: *See*—
High speed double-rotor mo tor. Spring motor.
Multispeed split phase motor.
Motor control. G. C. Brown. 1,983,656; Dec. 11.
Mounting, Sound insulated shaft. F. H. Stearns and O. Neumer. 1,983,713; Dec. 11.
Moving picture screen. W. O. Lytle. 1,983,626; Dec. 11.
Multispeed split phase motor. C. H. Dederick. 1,983,741; Dec. 11.
Nail file. W. L. Hults. Des. 94,030; Dec. 11.
Nail, Weatherproof. W. C. Dickson. 1,984,180; Dec. 11.
Net, Crab. C. D. Starks. 1,984,239; Dec. 11.
Nitrocellulose coating composition. C. Ellis. 1,984,061; Dec. 11.
Nozzle. E. W. Shugart and H. Van Dam. 1,983,820; Dec. 11.
Nozzle, Hose. H. Nichols. 1,983,634; Dec. 11.
Oil and water emulsions, Apparatus for dehydrating. W. C. Bailey. 1,983,832; Dec. 11.
Oil burner, Fuel. M. J. Kelly. 1,984,137; Dec. 11.
Oil, Distillation of hydrocarbon. M. G. Paulus. 1,983,919; Dec. 11.
Oil sludge, Method of and apparatus for treatment of. J. T. Rutherford. 1,983,678; Dec. 11.
Oils, Refinement of vitamin-containing unsaponifiable matter of. A. Black. 1,983,654; Dec. 11.
Oils, Treatment of hydrocarbon. C. H. Angell. 1,983,688; Dec. 11.
Oils, Treatment of hydrocarbon. G. Egloff. 1,983,693; Dec. 11.
Ore concentration. W. G. Clark. 1,983,968; Dec. 11.
Oscillating pivot joint. H. D. Geyer. 1,983,796; Dec. 11.
Oscillation generator, Short wave. E. W. B. Gill. 1,983,848; Dec. 11.
Outlet box support. J. G. Knight. 1,983,670; Dec. 11.
Package for plastic refractory material. J. E. Anderson. 1,983,590; Dec. 11.
Package, Waterproof shipping. P. J. Morrisroe. 1,983,868; Dec. 11.
Packaging apparatus. A. Greco. 1,984,064; Dec. 11.
Pad: *See*—
Medical pad.
Padlock. A. Gahagan. 1,983,747; Dec. 11.
Paint and brush protector. V. R. Lent. 1,983,619; Dec. 11.
Paint, Plastic. D. D. Crandell. 1,984,116; Dec. 11.
Panel, Mineral fiber soundproof. K. W. Huffine. 1,984,190; Dec. 11.
Paper and process of and apparatus for making the same. N. Statham and T. G. Leek. 1,983,572; Dec. 11.
Paper feed mechanism. E. F. Watson and T. A. McCann. 1,983,586; Dec. 11.
Papers or paper articles sized with wax dispersions, Manufacture of water-repellent. O. F. Neitzke. 1,983,918; Dec. 11.
Pedal arrangement for vehicles. J. Ganz. 1,984,015; Dec. 11.
Pen, Fountain. W. A. Sheaffer. 1,983,682; Dec. 11.
Perfuming device. J. Bonardi. 1,983,691; Dec. 11.
Permanent mold. D. W. Haber. 1,984,186; Dec. 11.
Phosphates, Manufacture of triaryl. H. Adler and H. B. Gottlieb. 1,983,588; Dec. 11.
Photographic elements, Processing. H. D. Russell. 1,984,086; Dec. 11.
Photographic material for making colored prints. M. W. Seymour. 1,984,090; Dec. 11.
Photographic printing apparatus. W. C. Huebner. 1,984,217; Dec. 11.
Photographic reversal process and bleach bath for use therein. K. C. D. Hickman. 1,984,133; Dec. 11.
Pictures, Presenting. E. Wildhaber. 1,984,004; Dec. 11.
Pigment. A. E. Gessler. 1,984,182; Dec. 11.
Pin point, Knitting. G. A. Carlson. 1,983,536; Dec. 11.
Pinking machine. W. T. Maxant. 1,984,224; Dec. 11.
Pipe bend. G. W. Brownley. 1,984,172; Dec. 11.
Pipe coupling. C. Geiger. 1,983,977; Dec. 11.
Pipe grooving tool. F. H. Ruppel. 1,983,922; Dec. 11.
Pipes of a small diameter and of little thickness, Process and machinery for the manufacture of asbestos-cement. A. Mazza. 1,984,073; Dec. 11.
Piston. J. M. Shimer. 1,983,780; Dec. 11.
Piston construction. S. Hibasco. 1,984,266; Dec. 11.
Piston skirt expander. H. O. Mills. 1,984,195; Dec. 11.
Pistons, Expanding. R. Mundt. 1,983,673; Dec. 11.
Pitman connection. P. J. and W. F. Bowman. 1,983,655; Dec. 11.
Planetary transmission and synchronizer. W. B. Barnes. 1,983,834; Dec. 11.
Plant support. J. W. Meixell. 1,983,985; Dec. 11.
Plaque or similar article, Memorial. D. Bank. Des. 94,013–14; Dec. 11.
Plaster bed. J. S. Raynor. 1,983,994; Dec. 11.
Plastic refractory, Preparing and applying. J. E. Anderson. 1,983,589; Dec. 11.
Plate, Carry iron wearing. E. P. Kinne. 1,983,616; Dec. 11.
Pliers. R. Choate. 1,983,519; Dec. 11.
Plug: *See*—
Attachment plug. Tank truck filling plug.
Fuse plug. Well tubing plug.
Signal fuse plug.
Plug and socket connection, Electrical. C. H. Reynolds. 1,983,675; Dec. 11.
Plug valve body. S. J. Nordstrom. Des. 94,044–5; Dec. 11.
Post binder for loose leaf sheets. J. Schade. 1,983,779; Dec. 11.
Power bending apparatus. C. L. Lewellen. 1,984,145; Dec. 11.
Power driven tool. W. H. Ray. 1,984,282; Dec. 11.
Power generating machine, Electric. H. C. Walter and W. L. Nies. 1,983,718; Dec. 11.
Power transmission device. W. L. Frampton. 1,983,901; Dec. 11.
Power transmission device. T. H. Ryan. 1,983,641; Dec. 11.
Power transmission mechanism. W. E. Barber and H. A. Watts. 1,983,962; Dec. 11.
Power transmission, Variable speed. I. C. Matthiessen. 1,983,702; Dec. 11.
Prepayment mechanism for gas and similar meters. E. W. Smith and A. Charles. 1,984,162; Dec. 11.
Prepayment mechanism for gas meters. F. von Schütz. 1,984,100; Dec. 11.
Press: *See*—
Cutting press.
Pressing and ironing element, Electrically heated. F. E. Baker. 1,984,008; Dec. 11.
Pressing machine. S. W. Ford. 1,983,974; Dec. 11.
Pressure relief apparatus for concrete mixers. C. F. Ball. 1,983,891; Dec. 11.
Print roll and making, Built-up. C. F. Cooper. 1,984,115; Dec. 11.
Printer carriage control for cash registers. H. Kaufmann. 1,983,698; Dec. 11.
Printing instrumentalities for typewriting machines. C. A. Fuchs and H. Resch. 1,984,014; Dec. 11.
Printing press for printing wax carbon spots on sheets of paper. G. A. Rutkoskie. 1,983,948; Dec. 11.
Projector for natural color projection, Continuous. W. A. Kosken. 1,984,142; Dec. 11.

Propeller and manufacturing the same. H. Sukohl. 1,984,044; Dec. 11.
Protective apparatus for double string installations. K. A. Hawley. 1,983,903; Dec. 11.
Protective trap for entrail hasher. W. G. Aust. 1,984,106; Dec. 11.
Protector: *See*—
Breast protector. Paint and brush protector
Protractor, bevel gauge, and mitering square, Combined. H. Ahola. 1,983,516; Dec. 11.
Pulp and treatment of residual liquors, etc., Production of. L. Bradley and E. P. McKeefe. 1,983,789; Dec. 11.
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Pump construction, Spray. A. Goulard and H. G. Olena. 1,984,340; Dec. 11.
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Race track illumination. G. F. Cahill. 1,983,734; Dec. 11.
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Radiator fin. H. J. Krackowizer. 1,983,549; Dec. 11.
Radio receiving systems, Annulling the effect of stray fields on. W. A. Loth. Re19,395; Dec. 11.
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Rail-joint and bar therefor. R. F. Greenwood. 1,983,752; Dec. 11.
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Range, Gas. W. T. Bradbury. Des. 94,017; Dec. 11.
Rayon manufacture. W. H. Furness. 1,983,795; Dec. 11.
Razor, Safety. L. A. Flinker. 1,984,338; Dec. 11.
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Rubber article, Making a molded. L. H. L'Hollier. 1,983,667; Dec. 11.
Rubber, Decorating sheet. F. Fenton. 1,983,695; Dec. 11.
Rubber latex, Treatment of. J. McGavack. 1,983,703; Dec. 11.
Rubber, Method and apparatus for producing. M. A. Cheek. 1,983,967; Dec. 11.
Rubber product having roughened or crinkled surfaces and producing the same. P. L. and O. L. Belton. 1,983,963; Dec. 11.
Rubber stocks, Abrasion resisting. S. M. Cadwell. 1,984,247; Dec. 11.
Rug, Combination grass and wood fiber. C. E. Steiger. 1,984,046; Dec. 11.
Rule. E. Anderson and C. M. Nicholson. 1,983,651; Dec. 11.
Ruler. A. Kuechenmeister. 1,984,273; Dec. 11.
Safety attachment for pockets. C. J. Pokora. 1,983,991; Dec. 11.
Safety deposit box. J. Drenthe. 1,984,012; Dec. 11.
Safety device, Automatic. D. C. Carver. 1,983,791; Dec. 11.
Safety device for burners and the like. J. A. Spenser. 1,983,822; Dec. 11.
Safety lock box. A. C. Vidal. 1,983,716; Dec. 11.
Safety switch. C. E. Hanny. 1,983,902; Dec. 11.
Salt solutions, Making chromic. F. W. Binns. 1,983,733; Dec. 11.
Sandal. H. Koorulan. Des. 94,034; Dec. 11.
Sausage treating method. F. Seaver. 1,983,681; Dec. 11.
Scraper and medicinal distributor, Mucus surface. C. E. Conn. 1,983,601; Dec. 11.
Scraper, Earth moving. J. S. Stewart. 1,983,783; Dec. 11.
Screen: *See*—
Moving picture screen.
Screen and sash frame. J. D. Fuller. 1,983,846; Dec. 11.
Screening, Method of and apparatus for. M. P. Reynolds and W. J. Piggott. 1,983,676; Dec. 11.
Seal, Oil. W. J. Coultas. 1,983,522; Dec. 11.
Seal, Shaft. W. F. Jenkins. 1,983,855; Dec. 11.
Seepage protector for masonry buildings. A. Cheney. 1,984,251; Dec. 11.
Selecting and distributing system for radio reception, Automatic. R. L. Houston. 1,983,759; Dec. 11.
Seleno-anthraquinone compounds and preparing the same. M. A. Perkins and O. M. Bishop. 1,983,561; Dec. 11.
Sewer rod booster. E. J. Brooks. 1,983,790; Dec. 11.
Sewing machine. E. E. Boyce. 1,984,332; Dec. 11.
Sewing machine, Multiple needle. E. E. Boyce. 1,984,330; Dec. 11.
Sewing machine take-up mechanism. J. R. Oliver. 1,984,279; Dec. 11.
Sewing machines, Control mechanism for multiple needle. E. E. Boyce. 1,984,331; Dec. 11.
Sewing machines, Presser foot for. C. F. Rubel. 1,984,286; Dec. 11.
Shade operating mechanism, Window. G. A. Timko. 1,983,583; Dec. 11.
Sheave. R. L. Evenburgh. 1,983,844–5; Dec. 11.
Sheet metal building construction. J. A. Wise. 1,983,828; Dec. 11.
Sheets or films of regenerated cellulose, Manufacture of. J. E. Brandenberger and C. V. E. Duplessis. 1,983,531; Dec. 11.
Sheets or films of regenerated cellulose, Producing. J. E. Brandenberger. 1,983,529; Dec. 11.
Shelving. H. J. Onions. 1,984,080; Dec. 11.
Shelving-bracket and system of shelving. W. L. Slater. 1,983,571; Dec. 11.
Shingle. D. Finley. 1,983,936; Dec. 11.
Ship construction. J. W. Isherwood. 1,984,271; Dec. 11.
Shipping case. J. F. Quirk. 1,983,870; Dec. 11.
Shipping container. F. D. Ferrone. 1,984,209; Dec. 11.
Shock absorber, Pneumatic. E. Laugaudin. 1,984,144; Dec. 11.
Shoe. C. Morall. Des. 94,041; Dec. 11.
Shoe stiffener and making the same. S. P. Lovell. 1,983,622; Dec. 11.
Shoe, Swimming. W. T. Hudson. 1,983,609; Dec. 11.
Shoe with metatarsal support and making same. O. E. de Ridder. 1,984,257; Dec. 11.
Showcase. L. M. W. Kennedy. 1,984,138; Dec. 11.
Shutter operating mechanism. F. P. Illsley. 1,983,543; Dec. 11.
Signal fuse plug. D. H. Atwater. 1,983,890; Dec. 11.
Signal transmission system. O. B. Jacobs. 1,984,066; Dec. 11.
Signaling system adapted for deep sea telephone cables. A. M. Curtis. 1,984,058; Dec. 11.
Silk, Dressing artificial. T. Koch. 1,984,139; Dec. 11.
Silk, Manufacture of artificial. G. Hardt. 1,984,303–4; Dec. 11.
Silver of sterling or higher standard, Age hardening. J. C. McFarland. 1,984,225; Dec. 11.
Skate, Roller. R. M. Nichol. 1,983,869; Dec. 11.
Skins from onions, Apparatus for removing. L. C. Southan. 1,984,237; Dec. 11.
Slack adjuster for brakes, Automatic. B. H. Browall. 1,983,897; Dec. 11.
Slicer and shredder, Vegetable. F. H. Howlett. 1,984,216; Dec. 11.
Slicer, Vegetable. J. F. Ryan. 1,984,034; Dec. 11.
Slicing machine. C. E. Breaden. Des. 94,018; Dec. 11.
Slicing mechanism. R. Hoe. 1,983,666; Dec. 11.
Slug casting machine. G. P. Kingsbury. 1,983,615; Dec. 11.
Soap dispenser. G. L. Bennett. 1,983,527; Dec. 11.
Sock, Leg stump. J. A. McCann. 1,983,914; Dec. 11.
Sodium carbonate, Purification of. H. D. Hellmers. 1,984,342; Dec. 11.
Soil warming device and manufacturing same. L. G. Maness and A. H. Osgood. 1,983,862; Dec. 11.
Soils and compound for use therein, Fumigating. M. O. Johnson. 1,983,546; Dec. 11.
Sole of shoes. L. J. Bazzoni. 1,983,592; Dec. 11.

Sound light ray intensity control. J. Engl. 1,984,208; Dec. 11.
Sound producing articles, Making. J. B. Hawley. 1,984,018; Dec. 11.
Sound recording and reproducing system, Optical. J. Q. A. Holloway. 1,983,697; Dec. 11.
Sound reproducing diaphragmatic members and making the same, Fibrous. J. B. Hawley. 1,984,019; Dec. 11.
Space-current device. E. L. Bowles. 1,983,838; Dec. 11.
Sparking plug. A. Möhrle. 1,984,313; Dec. 11.
Spectacles. G. F. Kapernick. 1,984,136; Dec. 11.
Speed changing device for movement registering mechanism. C. M. Read. 1,984,082; Dec. 11.
Speed power transmission mechanism, Variable. H. McGill. 1,983,916; Dec. 11.
Speed transmission mechanism, Variable. L. E. Hercher. 1,983,852; Dec. 11.
Splash guard attaching device for vehicle fenders. C. A. Persons. 1,984,280; Dec. 11.
Sponge rubber articles, Making. R. E. Riley. 1,983,677; Dec. 11.
Spool, Yarn. W. H. Wilson. 1,984,244; Dec. 11.
Spoon. F. M. Piscuill. 1,984,081; Dec. 11.
Spoon or similar article. G. A. Feinauer. Des. 94,023; Dec. 11.
Spoon or similar article. J. Vassos. Des. 94,059; Dec. 11.
Spoon or similar article. W. S. Warren. Des. 94,060; Dec. 11.
Spot locating and drying apparatus. J. R. Holder. 1,984,267; Dec. 11.
Sprayer. A. Madsen. 1,983,627; Dec. 11.
Spread sheet control machine. M. E. O'Brien. 1,984,199; Dec. 11.
Spring arrangement for resilient wheels. H. H. B. Deane. 1,984,255; Dec. 11.
Spring clutch. W. C. Starkey. 1,983,824; Dec. 11.
Spring counterbalance for vertically slidable doors. C. G. Johnson. 1,983,856; Dec. 11.
Spring motor. P. Zielinski. 1,984,206; Dec. 11.
Sprinkler. G. Buelna and H. E. J. Vacher. 1,983,929; Dec. 11.
Stabilizer for sliding closures. H. B. Wuebling. 1,983,959; Dec. 11.
Stand: *See*—
Bicycle stand. Display stand.
Starting gear. J. M. Tatman. 1,983,952; Dec. 11.
Steam engine valve. H. G. Mueller. 1,983,803; Dec. 11.
Steam system. M. W. Stout. 1,984,290; Dec. 11.
Steel structure and forming the same, Protected. H. Hanna. 1,984,132; Dec. 11.
Steering gear for vehicles. R. Klatt. 1,984,309; Dec. 11.
Stilt. C. E. Collins. 1,984,114; Dec. 11.
Stoker. F. P. Roesch. 1,983,998; Dec. 11.
Stoker fuel distributing apparatus. H. E. Lippert. 1,984,025; Dec. 11.
Stool, Milking. N. B. Hansen. 1,984,212; Dec. 11.
Storage battery. A. F. Jackson. 1,983,611; Dec. 11.
Stove pipe joint. J. E. Pallas. 1,983,989; Dec. 11.
Stretcher. H. T. Anderson and E. C. David. 1,983,889; Dec. 11.
Striking material for matches. R. S. Pullen. 1,984,316; Dec. 11.
Striking tool, Electrically driven. R. Dederer. 1,984,256; Dec. 11.
Striping. J. M. Christman. 1,983,792; Dec. 11.
Stropper, Razor. H. L. Dazey. 1,983,739; Dec. 11.
Stopping means for vehicles, Automatic. M. Rosenfeld. 1,983,882; Dec. 11.
Structural member. F. and I. Himmel. 1,984,134; Dec. 11.
Sulphides, Mercurated hydroxy aryl. W. G. Christiansen and E. Moness. 1,984,174; Dec. 11.
Supply system for vacuum tubes. M. I. Pupin. 1,983,774; Dec. 11.
Support: *See*—
Filament support. Plant support.
Outlet box support.
Support for air-method cleaners. D. B. Replogle and H. E. Queen. 1,983,567; Dec. 11.
Support for awnings, Front board. E. F. Bell. 1,984,329; Dec. 11.
Surface treating device. F. J. R. Karlström. 1,983,640; Dec. 11.
Surfaces which are exposed to a high temperature, Lubrication of. M. J. Heitmann. 1,984,214; Dec. 11.
Surgical clamp. F. W. Davis. 1,983,969; Dec. 11.
Swab, E. V. Crowell. 1,983,523; Dec. 11.
Swage. W. Schmid. 1,984,234; Dec. 11.
Switch: *See*—
Electric switch. Safety switch.
Switch actuating mechanism. C. H. and H. K. Elliott. Re19,392; Dec. 11.
Switch insulator, Pedestal. D. H. Rowland. 1,983,569; Dec. 11.
Switch knob and escutcheon plate, Combined. E. C. Booth. Des. 94,015; Dec. 11.
Switch mechanism for pumps. H. Van Dam. 1,983,825; Dec. 11.
Syrup, Ripening of viscose. G. A. Richter. 1,984,285; Dec. 11.
Tab, Pyroxylin plastic. C. F. Rand. 1,983,878; Dec. 11.
Table for glass sheets, Receiving. W. Owen. 1,983,769; Dec. 11.
Tag, Identification. J. Haas. 1,983,607; Dec. 11.
Tank: *See*—
Crystallizing and curing tank.
Tank truck filling plug. G. H. Clay and H. W. Bailey. 1,984,175; Dec. 11.
Tappet. W. D. Corlett. 1,983,735; Dec. 11.
Tar distillation. G. E. McCloskey. 1,983,915; Dec. 11.
Telecommunication system. G. Viard. 1,984,099; Dec. 11.
Telephone lock. S. Segal. 1,984,089; Dec. 11.
Telephone set. J. W. Foley. 1,984,062; Dec. 11.
Telephone system. G. Deakin and W. Hattou. 1,984,060; Dec. 11.
Television method and apparatus. H. P. Donle. 1,984,336; Dec. 11.
Testing and sorting articles, Apparatus for. C. A. Purdy and R. E. Park, jr. 1,984,031; Dec. 11.
Textile fabric or similar article of manufacture. R. Harvey. Des. 94,026–7; Dec. 11.
Textiles, Impregnation of. F. Hoelkeskamp. 1,984,306; Dec. 11.
Thermal insulation media. A. A. Ladon. 1,983,617; Dec. 11.
Thermo container. L. W. Foy. 1,984,261; Dec. 11.
Thermometer. E. Bandoly. 1,983,786; Dec. 11.
Thermostat. E. J. Deary. 1,983,740; Dec. 11.
Thermostat. J. A. Spencer. 1,983,823; Dec. 11.
Thermostat, Differential. M. O. Snediker. 1,983,821; Dec. 11.
Thrust indicating device. W. H. Reichard. 1,984,318; Dec. 11.
Tile, Fireproof building block. C. B. Spicer. 1,983,712; Dec. 11.
Time period control device. R. P. De Vries. 1,984,302; Dec. 11.
Tire. A. E. Caldwell. Des. 94,019; Dec. 11.
Tire and tube repair unit. E. J. Pilblad and E. Fetter. 1,983,705; Dec. 11.
Tire and wheel carrier, Spare. G. Mueller. 1,983,767; Dec. 11.
Tire inflation indicator. G. B. Rodney. 1,984,084; Dec. 11.
Tire painting and trimming machine. W. J. Strong. 1,983,684; Dec. 11.
Tire tool. H. G. Hand. 1,983,608; Dec. 11.
Tissue for cigarettes. J. E. Brandenberger. 1,983,530; Dec. 11.
Toaster, Automatic. M. H. Graham. 1,984,063; Dec. 11.
Tobacco, Denicotinizing. L. M. Lippmann. 1,983,908; Dec. 11.
Tool: *See*—
Pipe grooving tool. Tire tool.
Power driven tool. Weeding tool.
Striking tool.
Tool for piston ring grooves, Swaging. C. W. Prochaska. 1,984,155; Dec. 11.
Torch, Welding. H. C. Peffer. 1,983,674; Dec. 11.
Towel dispensing apparatus. G. A. Steiner. 1,983,647; Dec. 11.
Toy. T. S. Dowst. 1,984,258; Dec. 11.
Track for tracklaying vehicles. H. A. Knox and C. Hiller, jr. 1,983,548; Dec. 11.
Track, Rubber articulated endless. A. F. Masury and F. J. Kohlberger. 1,984,072; Dec. 11.
Trailer truck for locomotives. E. L. Schellens. 1,984,088; Dec. 11.
Transformer and transformer device. M. Morrison. 1,984,277; Dec. 11.
Transformer construction. H. R. Butler and J. L. Weston. 1,983,657; Dec. 11.
Translating device. E. C. Guedon. 1,983,937; Dec. 11.
Transmission. A. and M. P. Winther. 1,983,827; Dec. 11.
Transmission control, Roller type. J. Dolza. 1,983,745; Dec. 11.
Transmission mechanism. J. S. Sharpe. 1,984,235; Dec. 11.
Traveling bag. S. Lacher. 1,983,763; Dec. 11.
Trellis. H. D. Wakefield. 1,983,956; Dec. 11.
Trigonometrical calculations, Device for performing. M. Araujo. 1,983,961; Dec. 11.
Trimmer, Combined straight edge and paper. E. Rosenquist. 1,983,778; Dec. 11.
Trowel, Planting. F. Schmiett. 1,983,815; Dec. 11.
Truck for power mowers, Transporting. J. S. Clapper. 1,983,599; Dec. 11.
Truss, Bar structural. W. M. Pratt. 1,983,874; Dec. 11.
Truss, Hip. T. Ziminski. 1,983,829; Dec. 11.
Truss-type joist. W. B. Miller and F. Eroskey. 1,983,632; Dec. 11.
Tub. J. J. McCabe. Des. 94,037; Dec. 11.
Tube: *See*—
Electric discharge tube. Glow discharge tube.
Electrical discharge tube.
Tube frame for Axminster looms. W. E. McCleary. 1,983,864; Dec. 11.
Tubes, Manufacture of electron emission. L. L. Jones and J. A. Flanzer. 1,983,668; Dec. 11.
Tubes, Manufacture of sheet metal. E. W. Riemenschneider. 1,984,083; Dec. 11.
Tubes, Method and apparatus for making seamless. J. U. Devine. 1,983,934; Dec. 11.
Tubes, Method of and apparatus for corrugating metallic. M. H. Ward. 1,984,002; Dec. 11.

Propeller and manufacturing the same. H. Sukohl. 1,984,044; Dec. 11.
Protective apparatus for double string installations. K. A. Hawley. 1,983,903; Dec. 11.
Protective trap for entrail hasher. W. G. Aust. 1,984,106; Dec. 11.
Protector: *See*—
Breast protector. Paint and brush protector
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Rubber and articles thereof, Manufacture of. M. Faldini. 1,983,972; Dec. 11.
Rubber article, Making a molded. L. H. L'Hollier. 1,983,667; Dec. 11.
Rubber, Decorating sheet. F. Fenton. 1,983,695; Dec. 11.
Rubber latex, Treatment of. J. McGavack. 1,983,703; Dec. 11.
Rubber, Method and apparatus for producing. M. A. Cheek. 1,983,967; Dec. 11.
Rubber product having roughened or crinkled surfaces and producing the same. P. L. and O. L. Belton. 1,983,963; Dec. 11.
Rubber stocks, Abrasion resisting. S. M. Cadwell. 1,984,247; Dec. 11.
Rug, Combination grass and wood fiber. C. E. Steiger. 1,984,046; Dec. 11.
Rule. E. Anderson and C. M. Nicholson. 1,983,651; Dec. 11.
Ruler. A. Kuecheunmeister. 1,984,273; Dec. 11.
Safety attachment for pockets. C. J. Pokora. 1,983,991; Dec. 11.
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Sewing machines, Control mechanism for multiple needle. E. E. Boyce. 1,984,331; Dec. 11.
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Bloomingdale Bros., Inc., New York, N. Y. Whiskey. Serial No. 357,615; Dec. 18. Class 49.

Bloomingdale Bros., Inc., New York, N. Y. Port wine. Serial No. 357,616; Dec. 18. Class 47.

Bly-Robinson Company, Inc., Charles Town, W. Va. Fresh apples. Serial No. 348,114; Dec. 18. Class 46.

Bon Ton, Incorporated, Chicago, Ill. Whiskey. Serial No. 357,087; Dec. 18. Class 49.

Botany Worsted Mills, Passaic, N. J. Neckties. Serial No. 357,227; Dec. 18. Class 39.

Bottu, Henry A. E., Paris, France. Preparation for treatment of feminine diseases and hygiene. Serial No. 356,247; Dec. 18. Class 6.

Bourjois, Inc., New York, N. Y. Tissue paper for skin cleaning purposes. Serial No. 343,955; Dec. 18. Class 37.

Buffalo Electro-Chemical Company, Inc., Buffalo and Tonawanda, N. Y. Mixtures of metallic hypochlorites and metallic phosphates for decolorizing colored materials. Serial No. 356,864; Dec. 18. Class 6.

Burgess Company, Inc., The, Beaver Falls, Pa. Stapling or tacking machines. Serial No. 356,213; Dec. 18. Class 23.

Bushmill Wine & Products Company, Inc., Scranton, Pa. Whiskey, gins, and brandies. Serial No. 358,122; Dec. 18. Class 49.

Calder, Earl S., doing business as Packaine French Bandeaux, New York, N. Y. Corsets and girdles. Serial No. 354,459; Dec. 18. Class 39.

Cannon Mills Company, Kannapolis, N. C. Towels, sheets, pillow cases, etc. Serial No. 357,045; Dec. 18. Class 42.

Carson Pirie Scott & Company, Chicago, Ill. Silk lingerie. Serial No. 355,878; Dec. 18. Class 39.

Celanese Corporation of America, New York, N. Y. Cellulose derivative wrapping and packing material. Serial No. 357,531; Dec. 18. Class 50.

Chipman Knitting Mills, Spring Grove, Easton, Pa. Hosiery. Serial No. 356,102; Dec. 18. Class 39.

Clairol, Inc., New York, N. Y. Hair dye removers. Serial No. 354,431; Dec. 18. Class 6.

Clark, James, Distilling Corporation, Jersey City, N. J. Gin. Serial No. 344,829; Dec. 18. Class 49.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey, gin, brandy, etc. Serial No. 358,044; Dec. 18. Class 49.

Clover Leaf Products Co., Los Angeles, Calif. Whiskey. Serial No. 357,712; Dec. 18. Class 49.

Cold Spring Brewing Company, Lawrence, Mass. Ale. Serial No. 355,961; Dec. 18. Class 48.

Collins, Ashton B., Birmingham, Ala. Advertising matter. Serial No. 358,089; Dec. 18. Class 38.

Columbus Iron Works Company, Columbus, Ga. Cultivator scrapers. Serial No. 356,831; Dec. 18. Class 23.

Commercial Solvents Corporation, New York, N. Y. Methanol and radiator antifreeze solutions. Serial No. 357,365; Dec. 18. Class 6.

Commercial Solvents Corporation, New York, N. Y. Denatured alcohol. Serial No. 357,366; Dec. 18. Class 6.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. Serial No. 357,760; Dec. 18. Class 23.

Cook, F. W., Company, Evansville, Inc. Beer. Serial No. 358,009; Dec. 18. Class 48.

Cosmos Corporation, Newark, N. J. Electrical incandescent lamps for therapeutic purposes. Serial No. 332,570; Dec. 18. Class 44.

De Hoyos y Vinent, José María, Jerez de la Frontera, Spain. Brandies. Serial No. 354,405; Dec. 18. Class 49.

Deisel-Wemmer-Gilbert Corporation, The, Detroit, Mich. Cigars. Serial No. 356,437; Dec. 18. Class 17.

Delta Manufacturing Company, Milwaukee, Wis. Band saws. Serial No. 357,723; Dec. 18. Class 23.

Delta Manufacturing Company, Milwaukee, Wis. Drill presses. Serial No. 357,724; Dec. 18. Class 23.

Denman, Truman F., doing business as The Fur Doctor, San Francisco, Calif. Clothing. Serial No. 357,854; Dec. 18. Class 39.

Dewey & Almy Chemical Company, Cambridge, Mass. Chemical compound. Serial No. 346,858; Dec. 18. Class 6.

Dill Company, The, Norristown, Pa. Laxative medicine in tablet form. Serial No. 357,240; Dec. 18. Class 6.

Distilled Products, Inc., Chicago, Ill. Whiskey. Serial No. 357,275; Dec. 18. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,955; Dec. 18. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,962; Dec. 18. Class 49.

Draw-Graph Mfg. Co. (See Plese, Anthony J.)

Du Bois Soap Co., The, Cincinnati, Ohio. Industrial cleanser. Serial No. 355,185; Dec. 18. Class 4.

Du Pont, E. I., de Nemours and Company, Wilmington, Del., and New York, N. Y. Polishes acting as dirt and grease removers and cleaning materials upon automobiles, etc. Serial No. 355,999; Dec. 18. Class 16.

Eastern Grocery Co., doing business as Eastern Grocery Food Products Co., New York, N. Y. Coffee, canned peas, and tomato paste. Serial No. 341,083; Dec. 18. Class 46.

Eastern Grocery Products Co. (See Eastern Grocery Co.)

Elliott Paint & Varnish Company, Chicago, Ill. Paints, paint enamels, and varnishes. Serial No. 358,127; Dec. 18. Class 16.

Eskimo Pie Corporation, New York and Brooklyn, N. Y. Frozen confections. Serial No. 356,801; Dec. 18. Class 46.

Everedy Company, The, Frederick, Md. Candlesticks. Serial No. 356,949; Dec. 18. Class 34.

Excella Pattern Company, New York, N. Y. Patterns and work sheets for patterns. Serial No. 356,950; Dec. 18. Class 26.

Fabrisuede, Inc., New York, N. Y. Gloves. Serial No. 357,281; Dec. 18. Class 39.

Feasel, Jesse L., doing business as Scotty Products, Philadelphia, Pa. Automobile polish, wax polish, cleaner, and polish, etc. Serial No. 357,050; Dec. 18. Class 16.

Fisher's Surfa-Saver, Inc., Cincinnati, Ohio. Concentrated upholstery and rug shampoo. Serial No. 356,875; Dec. 18. Class 4.

Flanagan-Nay Brewing Corporation, New York, N. Y. Beer. Serial Nos. 358,093–4; Dec. 18. Class 48.

Florida Avocado Growers Exchange, Naranja, Fla. Fresh avocados. Serial No. 354,462; Dec. 18. Class 46.

Fuller, W. P., & Co., San Francisco, Calif. Varnishes. Serial No. 358,131; Dec. 18. Class 16.

Fur Doctor, The. (See Denman, Truman F.)

G. & C. Novelty Co., Boston, Mass. Memorandum pads. Serial No. 357,000; Dec. 18. Class 37.

General Electric Company, Schenectady, N. Y. Electrical measuring, recording, and indicating instruments and parts thereof. Serial No. 352,732; Dec. 18. Class 26.

Germanow-Simon Machine Co., Rochester, Mass. Thermometers. Serial No. 355,801; Dec. 18. Class 26.

Gerrard, S. A., Company, Cincinnati, Ohio. Fresh vegetables. Serial No. 322,929; Dec. 18. Class 46.

Glauque, Charles D., Boston, Mass. Magazine. Serial No. 356,878; Dec. 18. Class 38.

Gold Club Company. (See Plough, Inc.)

Goodman & Beer Co. Inc., New Orleans, La. Whiskey. Serial No. 357,435; Dec. 18. Class 49.

Greenebaum, J., Tanning Company, Chicago, Ill. Leather. Serial No. 356,879; Dec. 18. Class 1.

Greenhill & Daniel, Inc., Brooklyn, N. Y. Knitted bathing suits, knitted sweaters, dresses, etc. Serial Nos. 357,459–60; Dec. 18. Class 39.

Greenspan Bros. Co., Perth Amboy, N. J. Whisky. Serial No. 358,134; Dec. 18. Class 49.

Griffith, Leonard E., doing business as Griffith Drug Company, Townsend, Mont. Chewing gum. Serial No. 354,292; Dec. 18. Class 6.

Grigor, William, & Son, Inverness, Scotland. Whiskey. Serial No. 350,854; Dec. 18. Class 49.

Gross, Sidney, doing business as Gross Co., Birmingham, Ala. Headache powder. Serial No. 343,282; Dec. 18. Class 6.

Grove Laboratories, Inc., The, Wilmington, Del., doing business as Beaumont Laboratories, St. Louis, Mo. Medicinal tablet for colds. Serial No. 357,816; Dec. 18. Class 6.

Guild Shirt Company, Baltimore, Md. Shirts. Serial No. 357,771; Dec. 18. Class 39.

Hanauer, Albert M., Pittsburgh, Pa. Rye whiskey. Serial No. 342,936; Dec. 18. Class 49.

Hanauer, Albert M., Pittsburgh, Pa. Malt whiskey. Serial No. 342,938; Dec. 18. Class 49.

Hanauer, Albert M., Pittsburgh, Pa. Whiskey. Serial No. 356,838; Dec. 18. Class 49.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6. as amended Mar. 2, 1907]

Heller Brothers Company, Newark, N. J. Files. Serial No. 349,976; Dec. 18. Class 23.
Hemmer, Alfred J., De Witt, N. Y. Dairy and milk products. Serial No. 356,567; Dec. 18. Class 46.
Hendryx, Andrew B., Company, The, New Haven, Conn. Light shields for cameras and other lenses. Serial No. 357,461; Dec. 18. Class 26.
Hill-Luthy Co., Peoria, Ill. Whiskey. Serial No. 349,932; Dec. 18. Class 49.
Hills Bros., San Francisco, Calif. Coffee measure. Serial No. 356,726; Dec. 18. Class 26.
Hoffman, A. H., Inc., Landisville, Pa. Seeds. Serial Nos. 357,011–12; Dec. 18. Class 1.
Holst-Knudsen, S., New York, N. Y. Cheese. Serial No. 357,670; Dec. 18. Class 46.
Hood Rubber Company, Inc., Wilmington, Del., and Watertown, Mass. Sheet material comprising rubber and fiber. Serial No. 353,715; Dec. 18. Class 50.
Insulite Company, The, Minneapolis, Minn. Fiber composition board. Serial No. 357,141; Dec. 18. Class 12.
International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 357,633; Dec. 18. Class 39.
Irwin, Isham W., doing business as Oralene Chemical Co., Albany, Ga. Medicine for the eyes. Serial No. 341,972; Dec. 18. Class 6.
Jackman, Moses, doing business as M. Jackman & Sons, Los Angeles, Calif. Men's dress suits, coats, trousers, and vests. Serial No. 356,804; Dec. 18. Class 39.
Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Drawing paper, especially transparent drawing paper, tracing cloth. Serial No. 358,055; Dec. 18. Class 37.
Keeley Brewing Company, Chicago, Ill. Beer. Serial No. 357,199; Dec. 18. Class 48.
Kelly, Henry & Sons, Inc., New York, N. Y. Gin. Serial No. 358,018; Dec. 18. Class 49.
Kenton Hardware Co., The, Kenton, Ohio. Toy repeating and single-shot pistols. Serial No. 358,211; Dec. 18. Class 22.
Kiddy-Crafters, Medford Hillside, Mass. Toy weaving devices. Serial No. 357,637; Dec. 18. Class 22.
Kiefer-Stewart Co., Indianapolis, Ind. Whiskey. Serial No. 357,495; Dec. 18. Class 49.
King Features Syndicate, Inc., New York, N. Y. Newspaper cartoon. Serial No. 356,905; Dec. 18. Class 38.
Klemperer, Ralph J., Inc., Chicago, Ill. Hats. Serial No. 357,820; Dec. 18. Class 39.
Kopp, Charles M., New York, N. Y. Salve. Serial No. 357,821; Dec. 18. Class 6.
Kosher Star Sausage Mfg. Co., Chicago, Ill. Meats. Serial No. 358,077; Dec. 18. Class 46.
Kress, S. H., & Co., New York, N. Y. Padlocks, night latches, etc. Serial No. 358,100; Dec. 18. Class 25.
Laney Knute Products Company, Yonkers, N. Y. Conserves. Serial No. 357,863; Dec. 18. Class 46.
Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y. Perfumes and toilet waters. Serial No. 356,906; Dec. 18. Class 6.
Lavino, E. J., and Company, Philadelphia, Pa. Construction materials. Serial No. 357,340; Dec. 18. Class 12.
Le Tourneau, R. G., Inc., Stockton, Calif. Grading and earth-working equipment. Serial No. 356,256; Dec. 18. Class 23.
Levi, Simon Co., Ltd., Los Angeles, Calif. Wines. Serial No. 354,730; Dec. 18. Class 47.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' suits and overcoats. Serial No. 357,201; Dec. 18. Class 39.
Levy, M. S., & Sons, Inc., Baltimore, Md. Hats. Serial No. 357,805; Dec. 18. Class 39.
Linen Thread Co., The, Inc., New York, N. Y., and Wilmington, Del. Netting. Serial No. 357,639; Dec. 18. Class 42.
Lionel Distilled Products, Inc., Chicago, Ill. Alcoholic cherry, blackberry, orange, etc. Serial No. 357,292; Dec. 18. Class 49.
Lionel Distilled Products, Chicago, Ill. Brandy, alcoholic cocktails, cordials, etc. Serial No. 357,293; Dec. 18. Class 49.
Lionel Distilled Products, Inc., Chicago, Ill. Gin. Serial No. 357,296; Dec. 18. Class 49.
Lionel Trading Co. Inc., New York, N. Y. Soaps. Serial No. 319,700; Dec. 18. Class 4.
Lockport Brewing Company, Lock Haven, Pa. Beer, ale, and porter. Serial No. 358,185; Dec. 18. Class 48.
Lorch Manufacturing Co., Dallas, Tex. Ladies' coats. Serial No. 357,675; Dec. 18. Class 39.
Lord Carroll Company, The. (See Philips, Jefferson C.)
Los Angeles Soap Company, Los Angeles, Calif. Soap. Serial No. 358,020; Dec. 18. Class 4.
Loubeque, Henry, New York, N. Y. Composition ointment salve. Serial No. 356,773; Dec. 18. Class 6.
Lundborg, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. Serial No. 357,302; Dec. 18. Class 6.
Magno Laboratories, Providence, R. I. Ointment. Serial No. 350,428; Dec. 18. Class 6.
Malbrose Manufacturing Company, Los Angeles, Calif. Ladies' and girls' underwear. Serial No. 355,280; Dec. 18. Class 39.
Mannington Mills, Incorporated, Salem, N. J. Rugs and floor coverings. Serial Nos. 358,021–2; Dec. 18. Class 20.
Marchmont Milling Company, Detroit, Mich. Wheat breakfast cereal. Serial No. 356,668; Dec. 18. Class 46.
Memendez y Compañia, S. en C., Habana, Cuba. Cigars. Serial No. 358,034; Dec. 18. Class 17.
Modern Merchandising Bureau, Inc., New York, N. Y. Hats, caps, scarfs, etc. Serial No. 330,068; Dec. 18. Class 39.
Modern Merchandising Bureau, Inc., New York, N. Y. Hats, caps, scarfs, etc. Serial No. 347,948; Dec. 18. Class 39.
Morrell, John, & Co., Ottumwa, Iowa. Hams, bacon, shoulders, etc. Serial No. 358,106; Dec. 18. Class 46.
Muhlenberg Publishing Company, Inc., Reading, Pa. Publication. Serial No. 358,146; Dec. 18. Class 38.
Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif. Fresh citrus fruits. Serial No. 355,032; Dec. 18. Class 46.
Mutual Rice Co. Inc., New York, N. Y. Dried chick peas. Serial No. 337,165; Dec. 18. Class 46.
Mystol Associated Stores System. (See Smith, Clarence P.)
National Supply Company of California, The, Torrance, Calif. Steam engines and parts therefor. Serial No. 351,701; Dec. 18. Class 23.
National Wholesale Liquor Co., Inc., Baltimore, Md. Whiskey. Serial No. 357,881; Dec. 18. Class 49.
Nationwide Distributors, Incorporated, Anderson, Ind. Oils and greases. Serial No. 357,178; Dec. 18. Class 15.
New England Distilling Company, The, Covington, Ky. Whiskey, gin, rum, etc. Serial No. 357,958; Dec. 18. Class 49.
Nunnally & McCrea Co., Atlanta, Ga. Overalls, work pants, and work shirts. Serial No. 351,221; Dec. 18. Class 39.
Nutro Dog Food Company. (See Serois, Herben.)
O'Connor & Goldberg, Chicago, Ill. Women's shoes. Serial No. 355,721; Dec. 18. Class 39.
Oldfield, J. & G., Limited, London, England. Wines. Serial No. 346,872; Dec. 18. Class 47.
Old Jordan—Old '76 Distillery Co., Inc., Covington, Ky. Whiskey. Serial No. 358,061; Dec. 18. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 358,187; Dec. 18. Class 49.
Oralene Chemical Co. (See Irwin, Isham W.)
Packaine French Bandeaux. (See Caldor, Earl S.)
Paper Makers Chemical Corporation, Wilmington, Del. Product resulting from the refining of rosin, rosin size or sodium resinate, potassium resinate, ammonium resinate, etc. Serial No. 356,535; Dec. 18. Class 6.
Parent, Arthur J., Hartford, Conn. Shoe-shining machines. Serial No. 357,479; Dec. 18. Class 23.
Pedefous & Compañia and Archambeaud Freres, Buenos Aires, Argentina, and Bordeaux, France. Alcoholic bitters. Serial No. 349,031; Dec. 18. Class 49.
Peppy Boy Noodle Company, Ellwood City, Pa. Noodles. Serial No. 356,671; Dec. 18. Class 46.
Phillips, Jefferson C., doing business as The Lord Carroll Company, Denver, Colo. Combined knives and forks. Serial No. 357,781; Dec. 18. Class 23.
Planters Nut and Chocolate Company, Suffolk, Va. Candy. Serial No. 356,781; Dec. 18. Class 46.
Plese, Anthony J., doing business as Draw-Graph Mfg. Co., Chicago, Ill. Pantographs. Serial No. 357,920; Dec. 18. Class 26.
Plough, Inc., doing business as Gold Club Company, Memphis, Tenn. Pepper and flavoring extracts. Serial No. 356,911; Dec. 18. Class 46.
Porcelain Enamel & Manufacturing Company of Baltimore, The, Baltimore, Md. Vitreous and porcelain enamels. Serial No. 357,472; Dec. 18. Class 16.
Public Ledger, Inc., Philadelphia, Pa. Cartoon strips and comic strips. Serial No. 357,921; Dec. 18. Class 38.
Quaker Oats Company, The, Chicago, Ill. Poultry feed. Serial No. 345,399; Dec. 18. Class 46.
Rogers Peet Company, New York, N. Y. Men's suits and overcoats. Serial No. 357,834; Dec. 18. Class 39.
Rutherford, Wm., Chicago, Ill. Wall-paper cleaner. Serial No. 349,438; Dec. 18. Class 4.
Salem Brewery Association, Salem, Oreg. Beer. Serial No. 358,113; Dec. 18. Class 48.
San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Cleansing tissue. Serial No. 357,508; Dec. 18. Class 37.
Sazerac Company, Incorporated, New Orleans, La. Whiskey. Serial No. 358,223; Dec. 18. Class 49.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 357,353; Dec. 18. Class 6.
Schuman & Donchi, Inc., Newark, N. J. Finger rings, brooches, bracelets, etc. Serial No. 356,426; Dec. 18. Class 28.
Scotty Products. (See Feasel, Jesse L.)
Serois, Herben, doing business as Nutro Dog Food Company, Santa Monica, Calif. Dog, cat, and fox food. Serial No. 356,888; Dec. 18. Class 46.
Sibur Moth Proof Service. (See Sires, John E.)
Sinai Kosher Sausage Factory, Chicago, Ill. Meats. Serial No. 358,078; Dec. 18. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y. Work-holding implements for sewing machines. Serial No. 357,749; Dec. 18. Class 23.
Sires, John E., doing business as Sibur Moth Proof Service, Bellingham, Wash. Moth-proofing liquid. Serial No. 352,508; Dec. 18. Class 6.
Smith, Clarence P., doing business as Mystol Associated Stores System, Glens Falls, N. Y., assignor to Mystol Manufacturing Company, Kansas City, Mo. Glycerine, peroxide of hydrogen, liniments, etc. Serial No. 354,392; Dec. 18. Class 6.
Smucker, J. M., Co., The, Orrville, Ohio. Apple butter, preserves. Serial No. 357,510; Dec. 18. Class 46.
Snider Packing Corporation, New York, N. Y. Canned fruits, canned vegetables. Serial No. 355,859; Dec. 18. Class 46.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Synthetic derivative of quinoline. Serial No. 355,449; Dec. 18. Class 6.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Compound of a natural alkaloid. Serial No. 355,450; Dec. 18. Class 6.
Stein, George F., Brewery, Inc., Buffalo, N. Y. Ale. Serial No. 357,685; Dec. 18. Class 48.
Stimson, Jane, New York, N. Y. Cosmetics. Serial No. 356,208; Dec. 18. Class 6.
Stoltz, Jay P., Ashville, Ohio. Game. Serial No. 358,162; Dec. 18. Class 22.
Sun-Diet Health Foundation, Inc., East Aurora, N. Y. Periodical publication. Serial No. 358,069; Dec. 18. Class 38.
Sussberg & Feinberg, Inc., New York, N. Y. Women's silk underwear. Serial No. 356,923; Dec. 18. Class 39.
Syndicated Enterprises, Inc., New York, N. Y. Periodical. Serial No. 357,655; Dec. 18. Class 38.
Taunton Pearl Works, Inc., Taunton, Mass. Ophthalmic frames and mountings and ophthalmic lens and lens blanks. Serial No. 357,754; Dec. 18. Class 26.
Thinshell Products, Inc., doing business as Variety Biscuit and Cracker Company, Chicago, Ill. Soda and graham crackers. Serial No. 356,648; Dec. 18. Class 46.
Ulmann, Bernhard, Co., Inc., New York, N. Y. Yarn. Serial No. 357,028; Dec. 18. Class 43.
Universal Oil Burner Company Incorporated, Hartford, Conn. Oil burners, oil-burning steam boilers and water heaters and parts thereof. Serial No. 357,610; Dec. 18. Class 34.
Variety Biscuit and Cracker Company. (See Thinshell Products, Inc.)
Vonsen, M., Co., Petaluma, Calif. Insecticides, parasiticidals, etc. Serial No. 357,400; Dec. 18. Class 6.
Vve Louis Edouard Requier, Perigueux, France. Alcoholic cordials. Serial No. 353,046; Dec. 18. Class 49.
Wathen, John A., Distillery Co., Louisville and Lebanon, Ky. Whiskey. Serial No. 356,749; Dec. 18. Class 49.
Wathen, John A., Distillery Co., Inc., Louisville, Ky. Whiskey. Serial No. 358,032; Dec. 18. Class 49.
Weinbrennerei vorm. Gebrüder Macholl München G. m. b. H., Munich, Germany. Whisky, brandy, cognac, etc. Serial No. 349,388; Dec. 18. Class 49.
Weiner, J. K. & L. S., & Co. Inc., New York, N. Y. Sport contings in the piece. Serial No. 356,606; Dec. 18. Class 42.
Wells-Lamont-Smith Corporation, Minneapolis, Minn. Work gloves. Serial No. 357,756; Dec. 18. Class 39.
Whitmore & Smith, Book Agents Publishing House, M. E. Church, South, Nashville, Tenn.; Dallas, Tex.; Richmond, Va.; and San Francisco, Calif. Religious periodical. Serial No. 357,162; Dec. 18. Class 38.
Wright's Underwear Company, Inc., New York, N. Y. One and two piece sleeping garments. Serial No. 355,082; Dec. 18. Class 39.
Yukon Mill and Grain Company, Yukon, Okla. Wheat flour. Serial No. 357,076; Dec. 18. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Acker, Merrall and Condit Company, New York, N. Y. Whiskey and gin. 320,063; Dec. 18; Serial No. 355,748; published Oct. 9, 1934. Class 49.
Allied Dealers Company. (See Ewald, Eldo H.)
American Medicinal Spirits Company, The, Louisville, Ky. Whiskey. 320,053; Dec. 18; Serial No. 355,925; published Oct. 16, 1934. Class 49.
American Mills Company, The, West Haven, Conn. Narrow elastic webbing. 320,131; Dec. 18; Serial No. 352,021; published Oct. 2, 1934. Class 40.
American National Live Stock Association Publishing Company, The, Denver, Colo. Magazine relating to live stock. 320,195; Dec. 18; Serial No. 353,969; published Oct. 9, 1934. Class 38.
Aprea Bros., assignor to Salvatore Aprea as administrator of the estate of Giovanni Aprea, deceased, New York, N. Y. Olive oil. 99,833; renewed Dec. 22, 1934.
Arden, Elizabeth, Inc., New York, N. Y. Massage rollers. 320,203; Dec. 18; Serial No. 353,051; published Oct. 9, 1934. Class 44.
Arden, Elizabeth, Inc., New York, N. Y. Deodorants. 320,225; Dec. 18; Serial No. 333,493; published Oct. 2, 1934. Class 6.
Arranbee Doll Co., New York, N. Y. Dolls. 320,032; Dec. 18; Serial No. 355,539; published Oct. 9, 1934. Class 22.
Arrow Distilleries, Inc., Detroit, Mich. Alcoholic cordials. 320,155; Dec. 18; Serial No. 350,313; published Oct. 16, 1934. Class 49.
Augusta Canning Co., Brunswick, Maine. Canned corn, succotash, and lima beans. 100,748; renewed Oct. 27, 1934.
Baber, B. B., Albuquerque, N. Mex. Patches for repairing inner tubes and tires. 320,012; Dec. 18; Serial No. 353,344; published Oct. 9, 1934. Class 35.
Bare, D. M., Paper Company, The, Roaring Spring, Pa. English finish, eggshell text, and super book paper. 320,082; Dec. 18; Serial No. 355,092; published Oct. 9, 1934. Class 37.
Barker Bros., Incorporated, Los Angeles, Calif. Furniture. 320,040; Dec. 18; Serial No. 355,460; published Oct. 9, 1934. Class 32.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits. 320,272; Dec. 18. Class 46.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic frames and mountings. 320,090; Dec. 18; Serial No. 355,245; published Oct. 9, 1934. Class 26.
Beaver-Remmers-Graham Company. (See Cincinnati Soap Company, The.)
Belch, Paul F., Company, Bloomington, Ill. Candy. 320,145; Dec. 18; Serial No. 346,227; published July 3, 1934. Class 46.
Benz, George, Sons, Inc., St. Paul, Minn. Brandy and whiskey. 320,074; Dec. 18; Serial No. 355,659; published Oct. 9, 1934. Class 49.
Bierbrauerei Steinhölzli A.-G., Steinholzli, Switzerland. Apple juice. 320,172; Dec. 18; Serial No. 342,123; published Oct. 9, 1934. Class 46.
Bill Brothers Publishing Corporation. (See India Rubber Publishing Co., The, assignor.)
Bishop & Babcock Manufacturing Co., The, Cleveland, Ohio. Binding tacks and nails. 320,016; Dec. 18; Serial No. 355,380; published Oct. 9, 1934. Class 13.
Bisquit, Martial A. G. E. L., doing business as Bisquit Dubouche & Co., Laport Bisquit & Co., successeurs, Jarnac-Cognac, France. Brandies. 320,199; Dec. 18; Serial No. 352,865; published Oct. 16, 1934. Class 49.
Black Diamond, Incorporated, Dallas, Tex. Medicinal ointment. 320,081; Dec. 18; Serial No. 352,515; published Oct. 9, 1934. Class 6.
Bloom, Charles, Inc., New York, N. Y. Cushions, pillows, and hassocks. 320,041; Dec. 18; Serial No. 355,461; published Oct. 9, 1934. Class 32.
Bloomingdale Bros., to Bloomingdale Bros., Inc., New York, N. Y., successor. Bristle goods. 103,089; renewed Mar. 16, 1935.
Bloomingdale Bros., to Bloomingdale Bros., Inc., New York, N. Y., successor. Red and white wines. 103,148; renewed Mar. 16 1935.
Bloomingdale Bros., to Bloomingdale Bros., Inc., New York, N. Y., successor. Petticoats and coats and suits. 103,149; renewed Mar. 16, 1935.
Blue Heven Corporation, The, North Kansas City, Mo. Detergent for dry cleaning process. 320,264; Dec. 18; Serial No. 354,559; published Oct. 9, 1934. Class 4.
Bond, W. G., Inc., Baltimore, Md. Whiskey. 320,062; Dec. 18; Serial No. 355,753; published Oct. 16, 1934. Class 49.
Bonney Forge & Tool Works, Allentown, Pa. Wrenches. 320,275; Dec. 18. Class 23.
Bowdoin, William H., doing business as The Earease Co., Stratham, Ga. Preparation for relief of earaches. 320,157; Dec. 18; Serial No. 350,618; published June 19, 1934. Class 6.
Brandwein, A., & Co., Chicago, Ill. Mattresses. 320,094; Dec. 18; Serial No. 355,292; published Oct. 9, 1934. Class 32.
Brown Hoisting Machinery Company, The, Cleveland, Ohio, assignor to Industrial Brownhoist Corporation, Bay City, Mich. Machinery and tools and parts thereof. 104,086; renewed Apr. 27, 1935.
Brunswig Drug Co., Los Angeles, Calif. Gin. 320,269; Dec. 18; Serial No. 354,673; published Oct. 16, 1934. Class 49.
Buchet Fils et Charles Colcombet, Lyon, France. Cut lengths of ribbon, ribbon rosettes, and hair ribbons. 320,186; Dec. 18; Serial No. 353,845; published Oct. 2, 1934. Class 40.

Buegeleisen, Samuel, assignor to Buegeleisen & Jacobson, New York, N. Y. Musical instruments and parts thereof. 103,253; renewed Mar. 23, 1935.
Bulloch Lade & Company Limited, Glasgow, Scotland. Whiskey. 320,177; Dec. 18; Serial No. 344,386; published Oct. 9, 1934. Class 49.
Burns, Jabez, & Sons, Inc., New York, N. Y. Machines for roasting coffee, cocoa, peanuts, etc. 320,017; Dec. 18; Serial No. 355,395; published Oct. 9, 1934. Class 23.
Calcinite Chemicals, Inc., Yonkers, N. Y. Soot remover chemical preparation. 320,247–8; Dec. 18; Serial Nos. 354,239–40; published Oct. 9, 1934. Class 6.
Calvert Distilling Company, The, Relay, Md. Whiskey. 320,097–8; Dec. 18; Serial Nos. 354,836–7; published Oct. 9, 1934. Class 49.
Campbell Cereal Company, Northfield, Minn. Cereal breakfast food. 320,163; Dec. 18; Serial No. 340,863; published Oct. 16, 1934. Class 46.
Capital City Products Company, The, Columbus, Ohio. Cheese. 320,167; Dec. 18; Serial No. 341,780; published Oct. 9, 1934. Class 46.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 320,083; Dec. 18; Serial No. 355,011; published Oct. 9, 1934. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 320,237–8; Dec. 18; Serial Nos. 354,648–9; published Oct. 2, 1934. Class 42.
Cella, Battista, doing business as Roma Wine Company, Lodi, Calif. Wines. 320,130; Dec. 18; Serial No. 351,964; published Oct. 9, 1934. Class 47.
Century Distilling Co., Peoria, Ill. Whiskey. 320,217; Dec. 18; Serial No. 356,024; published Oct. 16, 1934. Class 49.
Chedco Farms. (See Cotting, Charles E.)
Chesapeake Distilling and Distributing Company, The, Baltimore, Md. Gin and whiskey. 320,021; Dec. 18; Serial No. 355,424; published Oct. 9, 1934. Class 49.
Chesapeake Distilling and Distributing Company, The, Baltimore, Md. Gin and whiskey. 320,058; Dec. 18; Serial No. 355,779; published Oct. 9, 1934. Class 49.
Church of the Living God, Wrightsville, Ark. Booklets. 320,206; Dec. 18; Serial No. 353,100; published Oct. 9, 1934. Class 38.
Cincinnati Soap Company, The, doing business as Beaver-Remmers-Graham Company, Cincinnati, Ohio. Soaps. 320,251; Dec. 18; Serial No. 354,335; published Oct. 9, 1934. Class 4.
Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey. 320,061; Dec. 18; Serial No. 355,757; published Oct. 9, 1934. Class 49.
Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey. 320,111; Dec. 18; Serial No. 354,112; published Oct. 16, 1934. Class 49.
Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey. 320,190; Dec. 18; Serial No. 353,913; published Oct. 16, 1934. Class 49.
Cohn-Hall-Marx Co., New York, N. Y. Cotton piece goods. 319,991; Dec. 18; Serial No. 354,721; published Oct. 2, 1934. Class 42.
Collins, Tom, Corporation, The, Cincinnati, Ohio. Alcoholic punches. 320,265; Dec. 18; Serial No. 354,562; published Oct. 9, 1934. Class 49.
Colonial Knitting Mills, Inc., Philadelphia, Pa. Hosiery. 319,992; Dec. 18; Serial No. 354,722; published Oct. 9, 1934. Class 39.
Columbia Macaroni Manufacturing Company, Inc., New Orleans, La. Alimentary pastes. 320,188; Dec. 18; Serial No. 353,882; published Oct. 9, 1934. Class 46.
Commander-Larabee Corporation, Minneapolis, Minn. Wheat flour. 320,148; Dec. 18; Serial No. 347,439; published July 10, 1934. Class 46.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 320,088; Dec. 18; Serial No. 355,173; published Oct. 9, 1934. Class 49.
Continental Specialties Manufacturing Company. (See Wimmer, Leopold.)
Cooley Finishing Company, Pawtucket, R. I. Waterproof fabrics. 320,135; Dec. 18; Serial No. 352,300; published Oct. 9, 1934. Class 42.
Cotting, Charles E., doing business as Chedco Farms, Berlin and Boston, Mass. Fresh deciduous fruits and raw milk. 320,104; Dec. 18; Serial No. 354,974; published Oct. 9, 1934. Class 46.
Cresca Company, Incorporated, New York, N. Y. Wines. 320,132; Dec. 18; Serial No. 352,070; published Aug. 28, 1934. Class 47.
D. and B. Products Corporation. (See Distillers and Brewers Products Corporation.)
Daviess County Distilling Company, Incorporated, The, Owensboro, Ky. Whiskey. 320,215; Dec. 18; Serial No. 355,998; published Oct. 16, 1934. Class 49.
Daws Fruit Cordials Ltd., London, England. Syrups for soft drinks. 319,994; Dec. 18; Serial No. 354,747; published Oct. 16, 1934. Class 45.
Dearling Inc., New York, N. Y. Skin ointment. 320,207; Dec. 18; Serial No. 353,125; published Oct. 2, 1934. Class 6.
De la Guardia, Fernando, doing business as Ynchausti & Co. Rum. 320,105; Dec. 18; Serial No. 354,979; published Oct. 16, 1934. Class 49.
Dick, A. B., Company, Chicago, Ill. Stencils and stencil paper. 320,099; Dec. 18; Serial No. 354,842; published Oct. 9, 1934. Class 37.
Didisheim, Goldschmidt Fils et Cie, Fabrique Juvenia, La Chaux-de-Fonds, Switzerland. Watches, clocks, springs, etc. 100,524; renewed Oct. 20, 1934.
Dille, John F., Chicago, Ill. Toy wagons and carriages, table board games, etc. 320,042; Dec. 18; Serial No. 355,464; published Oct. 16, 1934. Class 22.
Distillers and Brewers Products Corporation, doing business as D. and B. Products Corporation, Jersey City, N. J. Whiskey. 320,060; Dec. 18; Serial No. 355,758; published Oct. 9, 1934. Class 49.
Domestic Engineering Company, Chicago, Ill. Section of magazine. 320,122; Dec. 18; Serial No. 353,469; published Oct. 9, 1934. Class 38.
Dow Chemical Company, The, Midland, Mich. Iodine, potassium iodide, etc. 320,261; Dec. 18; Serial No. 354,506; published Oct. 2, 1934. Class 6.
Drury, Abner, Brewery, Inc., Washington, D. C. Malt beverages. 320,226; Dec. 18; Serial No. 335,269; published July 4, 1933. Class 48.
Dunn, Sydney B., Philadelphia, Pa. Composition for destroying moth larvæ. 320,115; Dec. 18; Serial No. 354,193; published Oct. 9, 1934. Class 6.
Dutchess County Cider Corp., Poughkeepsie, N. Y. Applejack brandy. 320,143; Dec. 18; Serial No. 355,469; published Oct. 9, 1934. Class 49.
Eagle Products Co., Inc., Los Angeles, Calif. Citrus fruit juices. 320,284; Dec. 18. Class 45.
Earease Co., The. (See Bowdoin, William H.)
Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens. (See Mülhens, Paul P.)
Eckerson Company, assignor, by mesne assignments, to Eckerson Company, Jersey City, N. J. Oleomargarin. 103,690; renewed Apr. 13, 1935.
Edison, Sylvan M., doing business as Pedetrin Pharmacal Co., Chicago, Ill. Preparation for the treatment of corns, callous, bunions, and warts. 320,253; Dec. 18; Serial No. 354,362; published Oct. 9, 1934. Class 6.
Eldex, Harry J., doing business as La Dell Manufacturing Company, Birmingham, Ala. Hair dressing. 320,109; Dec. 18; Serial No. 354,033; published Oct. 2, 1934. Class 6.
Elder Manufacturing Company, St. Louis, Mo. Wearing apparel. 320,246; Dec. 18; Serial No. 354,196; published Oct. 9, 1934. Class 39.
Empresas Ibericas, S. A., Basel, Switzerland. Whiskey, gin, brandy, etc. 320,144; Dec. 18; Serial No. 345,758; published Oct. 16, 1934. Class 49.
Eskimo Pie Corporation, New York, N. Y. Frozen confections. 320,086; Dec. 18; Serial No. 355,141; published Oct. 9, 1934. Class 46.
Ewald, Eldo H., doing business as Allied Dealers Company, Kiester, Minn. Storage and dry batteries, radio accessories, etc. 320,045; Dec. 18; Serial No. 333,511; published Oct. 10, 1933. Class 21.
Fairfield Liquor Company, Stamford, Conn. Gin and whiskey. 320,162; Dec. 18; Serial No. 351,262; published Oct. 16, 1934. Class 49.
Farm Service Stores, Inc., Minneapolis, Minn. Flour. 320,095; Dec. 18; Serial No. 355,304; published Oct. 9, 1934. Class 46.
Felkner, Herbert L., doing business as Quality Tool Works, Waukegan, Ill. Key-seat cutter. 320,280; Dec. 18. Class 23.
Fernandez, Manuel y Ca S. L. (See Picker-Linz Importers, Inc., assignor.)
Filippone, B., & Company, Inc., Passaic, N. J. Vegetable oil. 320,118; Dec. 18; Serial No. 353,213; published Oct. 9, 1934. Class 46.
Finch, Jos. S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. 320,212; Dec. 18; Serial No. 355,965; published Oct. 16, 1934. Class 49.
Finkenberg, Leo, New York, N. Y. Dresses. 320,117; Dec. 18; Serial No. 353,170; published Oct. 9, 1934. Class 39.
Food City Brewing Company, Battle Creek, Mich. Beer. 320,239; Dec. 18; Serial No. 354,650; published Oct. 9, 1934. Class 48.
Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 320,073; Dec. 18; Serial No. 355,669; published Oct. 9, 1934. Class 49.
Franklin, Simon, & Co., Inc., New York, N. Y. Panties, slips, bloomers, etc. 319,993; Dec. 18; Serial No. 354,736; published Oct. 2, 1934. Class 39.
Franklin Stores Co., Newark, N. J. Whiskey, gin, rum, etc. 320,159; Dec. 18; Serial No. 351,061; published Oct. 16, 1934. Class 49.
Fried, Bella, doing business as Protegé Cosmetics Co., Brooklyn, N. Y. Preparation for treating dandruff and promoting the growth of hair, and toilet creams. 320,106; Dec. 18; Serial No. 354,985; published Oct. 9, 1934. Class 6.
Fried, Lazarus, & Sons, Inc., New York, N. Y. Shoes. 320,234; Dec. 18; Serial No. 354,611; published Oct. 2, 1934. Class 39.
Fritzsche Brothers, Inc., New York, N. Y. Products of resinous nature. 310,087; Dec. 18; Serial No. 355,143; published Oct. 9, 1934. Class 6.
Fuelane Corporation, Liberty, N. Y. Bottled propane gas. 320,137; Dec. 18; Serial No. 352,575; published Oct. 9, 1934. Class 6.
Furriers' Supply Corporation, The, New York, N. Y. Machine needles. 320,228; Dec. 18; Serial No. 335,814; published Oct. 9, 1934. Class 23.

Garbini, Luigi, Lucca, Italy. Olive oil. 320,268; Dec. 18; Serial No. 354,681; published Oct. 16, 1934. Class 46.
General Distilleries Corporation, Hartford, Conn. Rye whiskey. 320,218; Dec. 18; Serial No. 356,030; published Oct. 16, 1934. Class 49.
General Distilleries Corporation, Hartford, Conn. Rye whiskey. 320,219; Dec. 18; Serial No. 356,032; published Oct. 16, 1934. Class 49.
Gillo, Olivio, Bayonne, N. J. Hair tonic. 320,158; Dec. 18; Serial No. 350,823; published Oct. 9, 1934. Class 6.
Gilman, A. S., Printing Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Gilman Fanfold Corporation, Limited, Niagara Falls, N. Y. Printed blank forms. 102,940; renewed Mar. 2, 1935.
Gimbel Brothers, Inc., New York, N. Y. Whiskey. 320,208; Dec. 18; Serial No. 353,128; published Oct. 9, 1934. Class 49.
Globe Superior Corporation, Abingdon, Ill. Overalls. 320,191; Dec. 18; Serial No. 353,922; published Oct. 9, 1934. Class 39.
Goebel Brewing Co., Detroit, Mich. Beer. 320,069; Dec. 18; Serial No. 355,702; published Oct. 16, 1934. Class 48.
Gold Coin Creamery Company, The, Denver, Colo. Butter. 320,033; Dec. 18; Serial No. 355,570; published Oct. 9, 1934. Class 46.
Gonzalez, Justo, y Cia., S. A., Habana, Cuba. Rum. 320,153; Dec. 18; Serial No. 348,381; published Oct. 9, 1934. Class 49.
Gooderham & Worts Limited, Detroit, Mich. Gin. 320,004; Dec. 18; Serial No. 354,794; published Oct. 9, 1934. Class 49.
Goodman & Beer Co., Inc., New Orleans, La. Gin, whiskey, and brandy. 320,070; Dec. 18; Serial No. 355,679; published Oct. 9, 1934. Class 49.
Goodman & Beer Co., Inc., New Orleans, La. Gin, whiskey, and brandy. 320,072; Dec. 18; Serial No. 355,671; published Oct. 9, 1934. Class 49.
Grant, Heman, doing business as Killbite Products Company, Detroit, Mich. Preparation used for insect bites, poison ivy, etc. 320,185; Dec. 18; Serial No. 353,757; published Oct. 9, 1934. Class 6.
Grant, William S. P., doing business as Thomas Grant & Sons, Maidstone, England. Cherry brandy. 320,238; Dec. 18; Serial No. 354,611; published Oct. 16, 1934. Class 49.
Gregory & Read Company, Lynn, Mass. Boots, shoes, and slippers. 320,189; Dec. 18; Serial No. 353,887; published Oct. 9, 1934. Class 39.
Griffith, Frank A., doing business as Griffith Chemical Co., Alameda, Calif. Medicines. 320,192; Dec. 18; Serial No. 353,925; published Oct. 9, 1934. Class 6.
Grifter, M. S., Import Co., Inc., New York, N. Y. Whiskey. 320,103; Dec. 18; Serial No. 354,931; published Oct. 16, 1934. Class 49.
Haake-Beck Brauerei Aktiengesellschaft, Bremen, Germany. Beer. 320,096; Dec. 18; Serial No. 354,988; published Oct. 16, 1934. Class 48.
Habicht Braun & Co., New York, N. Y. Dried fruits and dates. 320,028; Dec. 18; Serial No. 355,511; published Oct. 9, 1934. Class 46.
Hammett, J. L., Company, Cambridge, Mass., and Newark, N. J. Tempera or show-card colors, water colors, and easel paint. 320,107; Dec. 18; Serial No. 354,993; published Oct. 9, 1934. Class 16.
Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Ice cream cones. 320,091; Dec. 18; Serial No. 355,260; published Oct. 9, 1934. Class 46.
Hay & Son, Limited, Sheffield, England. Wines. 320,092; Dec. 18; Serial No. 355,261; published Oct. 9, 1934. Class 47.
Heide, Henry, Incorporated, New York, N. Y. Candies. 320,123; Dec. 18; Serial No. 353,476; published Oct. 16, 1934. Class 46.
Hermanos, Florido, Sanlucar, de Barrameda, Spain. Wines. 320,274; Dec. 18. Class 47.
House of Gadgets, Inc., New York, N. Y. Game. 319,995; Dec. 18; Serial No. 354,750; published Oct. 9, 1934. Class 22.
Howard, J. W. & A. P., & Co., Ltd., assignor to J. W. & A. P. Howard Company, Corry, Pa. Sole-leather. 101,288; renewed Nov. 24, 1934.
Hunter, Ian W., doing business as D. Johnston & Company, Port Ellen, Isle of Islay, Scotland. Whisky. 320,120; Dec. 18; Serial No. 353,275; published Oct. 9, 1934. Class 49.
Imperial Distilling Corporation, Hoboken, N. J. Whiskey, brandy, gin, etc. 320,044; Dec. 18; Serial No. 355,474; published Oct. 16, 1934. Class 49.
India Rubber Publishing Co., The, assignor, by mesne assignments, to Bill Brothers Publishing Corporation, New York, N. Y. Trade publication. 103,166; renewed Mar. 16, 1935.
Indian Mineral Wells, Inc., St. Matthews, Ky. Waters. 320,140; Dec. 18; Serial No. 352,823; published Oct. 16, 1934. Class 45.
Industrial Brownhoist Corporation. (See Brown Hoisting Machinery Company, The, assignor.)
Industrie Gesellschaft für Schappe, Basel, Switzerland. Spun rayon yarn. 320,100; Dec. 18; Serial No. 354,847; published Oct. 9, 1934. Class 43.
Ingram, Martha O., Detroit, Mich. Medicines. 320,110; Dec. 18; Serial No. 354,042; published Oct. 9, 1934. Class 6.
Interstate Distillers, Inc., Baltimore, Md. Whiskey, gin, rum, etc. 320,066; Dec. 18; Serial No. 355,315; published Oct. 16, 1934. Class 49.
Interstate Distillers, Inc., Baltimore, Md. Whiskey, gin, rum, etc. 320,067; Dec. 18; Serial No. 355,704; published Oct. 9, 1934. Class 49.
Jackson, E. O., and Company, Chicago, Ill. Whiskey. 320,084; Dec. 18; Serial No. 355,065; published Oct. 16, 1934. Class 49.
Jackson, E. O., and Company, Chicago, Ill. Whiskey. 320,085; Dec. 18; Serial No. 355,067; published Oct. 16, 1934. Class 49.
Johnson & Johnson, New Brunswick, N. J. Adhesive plaster. 320,112; Dec. 18; Serial No. 354,122; published Oct. 9, 1934. Class 44.
Johnston, D., & Company. (See Hunter, Ian W.)
Kabushikikaisha Honkano Shoten, Mikage-Machi, Muko-Gun, Hyogo-Ken, Japan. Sake (sä'kē), Japanese brewed. 320,161; Dec. 18; Serial No. 351,213; published Oct. 9, 1934. Class 48.
Kaler, R. L., Co., Hatfield, Pa. Terry towels, wash cloths, pot holders, etc. 320,282; Dec. 18. Class 42.
Kaplan Brothers, New York, N. Y. Sheets, pillow-cases, and bed spreads. 320,184; Dec. 18; Serial No. 353,760; published Oct. 9, 1934. Class 42.
Karagheusian, A. & M., Inc., New York, N. Y. Rugs and carpets. 320,259; Dec. 18; Serial No. 354,465; published Oct. 2, 1934. Class 42.
Kenglo Coats, Inc., New York, N. Y. Coats. 320,051; Dec. 18; Serial No. 329,995; published Oct. 9, 1934. Class 39.
Klenzler Distilling Corporation, New York, N. Y. Whiskey and gin. 320,066; Dec. 18; Serial No. 355,737; published Oct. 9, 1934. Class 49.
Klenzler Distilling Corporation, New York, N. Y. Gin. 320,210; Dec. 18; Serial No. 356,007; published Oct. 16, 1934. Class 49.
Killbite Products Company. (See Grant, Heman.)
Klotz Confection Company, Incorporated, Louisville, Ky. Fudge candy containing nuts. 320,279; Dec. 18. Class 46.
Kruse & Dewenter Company, Indianapolis, Ind. Wood and coal hot air furnaces and parts thereof. 320,052; Dec. 18; Serial No. 310,726; published Mar. 21, 1934. Class 34.
L. G. Chemical Company, Council Bluffs, Iowa. Rat, mouse, and gopher poison. 320,182; Dec. 18; Serial No. 353,742; published Oct. 9, 1934. Class 6.
Labatt, John, Limited, London, Ontario, Canada. Ales, beers, lagers, etc. 320,071; Dec. 18; Serial No. 355,678; published Oct. 9, 1934. Class 48.
Lace Net Importing Co. Inc., New York, N. Y. Lace fabrics. 320,133; Dec. 18; Serial No. 352,192; published Oct. 9, 1934. Class 42.
La Dell Manufacturing Company. (See Eldex, Harry J.)
La Habra Citrus Association, La Habra, Calif. Fresh citrus fruits. 320,285; Dec. 18. Class 46.
Lambin, W. F., doing business as Lambin and Company, Chicago, Ill. Product for water treatment. 320,186; Dec. 18; Serial No. 352,543; published Oct. 2, 1934. Class 6.
Lancaster Brewing Company, Lancaster, Ohio. Beer. 320,022; Dec. 18; Serial No. 355,439; published Oct. 9, 1934. Class 48.
Lebanon Wholesale Grocer Co., assignor to Lebanon Wholesale Grocer Company, Inc., Lebanon, Mo. Canned vegetables and fruits, flavoring extracts, etc. 102,805; renewed Feb. 23, 1935.
Legendre, J. Marion, doing business as Legendre & Company, New Orleans, La. Liquor prepared from herbs with distilled spirits. 320,154; Dec. 18; Serial No. 348,885; published Oct. 9, 1934. Class 49.
Leggett, Francis H., & Company, New York, N. Y. Canned peas. 320,013; Dec. 18; Serial No. 355,362; published Oct. 16, 1934. Class 46.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits. 320,249; Dec. 18; Serial No. 354,252; published Oct. 9, 1934. Class 39.
Lockheed Aircraft Corporation, Burbank, Calif. Aeroplanes and parts thereof not in other classes. 320,151; Dec. 18; Serial No. 347,690; published June 26, 1934. Class 19.
Loyalsock Coal Mining Company, Towanda, Pa. Coal. 320,229; Dec. 18; Serial No. 338,094; published Oct. 9, 1934. Class 1.
M & R Dietetic Laboratories Inc., Columbus, Ohio. Powdered skimmed milk. 320,113; Dec. 18; Serial No. 354,130; published Oct. 9, 1934. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Children's sand boxes, play pens, toy houses, etc. 320,240; Dec. 18; Serial No. 354,658; published Oct. 16, 1934. Class 22.
Madden, John J., New York, N. Y. Safety razors and razor blades. 320,018; Dec. 18; Serial No. 355,406; published Oct. 9, 1934. Class 23.
Maison F. Chauvenet, S. A., Nuits-St.-Georges, France. Wines. 320,149; Dec. 18; Serial No. 347,620; published Oct. 9, 1934. Class 47.
Maison F. Chauvenet, S. A., Nuits-St.-Georges, France. Wines. 320,150; Dec. 18; Serial No. 347,622; published Oct. 9, 1934. Class 47.

Majestic Distilling Company, Baltimore, Md. Whiskey, gin, rum, etc. 320,035; Dec. 18; Serial No. 355,573; published Oct. 16, 1934. Class 49.
Manhattan Novelty Company, New York, N. Y. Fielders' gloves, baseball bats, tennis balls, and rackets, etc. 320,089; Dec. 18; Serial No. 355,223; published Oct. 16, 1934. Class 22.
Martin, Alice, Corporation, New York, N. Y. Bath salts. 320,114; Dec. 18; Serial No. 354,163; published Oct. 9, 1934. Class 6.
Maryland Distillery, Inc., Relay, Md. Whiskey. 320,196; Dec. 18; Serial No. 349,424; published Oct. 16, 1934. Class 49.
Master Laboratories, Inc., doing business as Red Feather Laboratories, Inc., Omaha, Nebr. Poultry preparations, medicines, and vermifuges. 320,255; Dec. 18; Serial No. 354,411; published Oct. 9, 1934. Class 6.
Mazer, J., Sons Cigar Company, Detroit, Mich. Cigars. 319,987; Dec. 18; Serial No. 354,772; published Oct. 9, 1934. Class 17.
McCarty, George L., doing business as Yeastena Yeast Company, Washington, D. C. Preparation of yeast in capsule form. 320,156; Dec. 18; Serial No. 350,588; published July 31, 1934. Class 6.
McKay, W. E., & Co., Inc., New York, N. Y. Cotton voile. 320,174; Dec. 18; Serial No. 342,701; published Jan. 16, 1934. Class 42.
Miami Valley Brewing Company, The, Dayton, Ohio. Malt beverages. 320,047; Dec. 18; Serial No. 355,943; published Oct. 16, 1934. Class 48.
Michigan Mushroom Company, Denver, Colo., and Niles, Mich. Canned mushrooms. 319,998; Dec. 18; Serial No. 354,770; published Oct. 9, 1934. Class 46.
Milton Proprietary Limited, London, England. Healing ointment, perfumery preparations, and dentifrices. 320,121; Dec. 18; Serial No. 353,401; published Oct. 9, 1934. Class 6.
Mitchell, Robert, Manufacturing Company, The, Cincinnati, Ohio. Surf-boards. 320,266; Dec. 18; Serial No. 354,571; published Oct. 16, 1934. Class 22.
Modes and Fabrics, Inc., New York, N. Y. Dresses. 319,986; Dec. 18; Serial No. 354,731; published Oct. 9, 1934. Class 39.
Monarch Leather Company, Chicago, Ill. Leather. 320,027; Dec. 18; Serial No. 355,506; published Oct. 9, 1934. Class 1.
Montebello Distillers, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 320,023; Dec. 18; Serial No. 355,490; published Oct. 9, 1934. Class 49.
Montebello Distillers, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 320,241; Dec. 18; Serial No. 355,628; published Oct. 9, 1934. Class 49.
Moore, B. F., & Company, Newport, Vt. Misses' windproof and water-repellent suits. 320,141; Dec. 18; Serial No. 352,827; published Oct. 9, 1934. Class 39.
Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Shaving cream and soaps. 320,101; Dec. 18; Serial No. 354,853; published Oct. 9, 1934. Class 4.
My Rx Laboratories. (See Sheley, Rex B.)
Nash-Finch Company. (See Nesbitt, Carl E.)
National Fuse and Powder Co., Denver, Colo. Blasting fuses. 320,242; Dec. 18; Serial No. 355,629; published Oct. 9, 1934. Class 9.
National Fuse and Powder Co., Denver, Colo. Blasting fuses. 320,243–4; Dec. 18; Serial Nos. 355,631–2; published Oct. 9, 1934. Class 9.
National Refining Company, The, Cleveland, Ohio. Axle-grease. 104,152; renewed May 4, 1935.
National Silk Co., Inc., The, South Coventry, Conn. Threads, yarns, and novelty yarns. 320,250; Dec. 18; Serial No. 354,256; published Oct. 9, 1934. Class 43.
Nesbitt, Carl E., doing business as Nash-Finch Company, Pawhuska, Okla. Foods including canned fruits, vegetables, etc. 320,142; Dec. 18; Serial No. 352,832; published Sept. 25, 1934. Class 46.
Noble and Noble, New York, N. Y. Printed books. 320,119; Dec. 18; Serial No. 353,253; published Oct. 9, 1934. Class 38.
Norton Company, Worcester, Mass. Heat refractory materials. 101,193–4; renewed Nov. 17, 1934.
Old Monk Olive Oil Co., Chicago, Ill. Brandy and alcoholic cordials. 320,138; Dec. 18; Serial No. 352,753; published Oct. 9, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 320,024; Dec. 18; Serial No. 355,493; published Oct. 9, 1934. Class 49.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 320,213–14; Dec. 18; Serial Nos. 355,972–3; published Oct. 16, 1934. Class 49.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. 320,019–20; Dec. 18; Serial Nos. 355,412–13; published Oct. 9, 1934. Class 37.
Owl Drug Co., The, San Francisco, Calif. Gin. 320,080; Dec. 18; Serial No. 355,636; published Oct. 9, 1934. Class 49.
Owl Drug Co., The, San Francisco, Calif. Gin. 320,245; Dec. 18; Serial No. 355,635; published Oct. 9, 1934. Class 49.
Oxylith Co. (See Williams, Alyce.)
Pacific Beverage Distributors Ltd., Los Angeles, Calif. Whiskey. 320,025; Dec. 18; Serial No. 355,496; published Oct. 9, 1934. Class 49.
Pacific Distillers Corporation, San Francisco, Calif. Brandy. 320,143; Dec. 18; Serial No. 345,507; published Oct. 9, 1934. Class 49.
Paper Makers Chemical Corporation, Wilmington, Del. Soapy composition for cleaning linoleum, etc. 320,007; Dec. 18; Serial No. 355,322; published Oct. 9, 1934. Class 4.
Parachini, Pepo J., doing business as J. Pepo Parachini, New York, N. Y. Cigarettes. 320,124; Dec. 18; Serial No. 351,426; published Oct. 9, 1934. Class 17.
Paramount Textile Machinery Co., Chicago, Ill. Hosiery drying and finishing forms and machines comprising the same. 320,271; Dec. 18. Class 23.
Parchert, F. L., Lowell, Mass. Gasoline, lubricating oil, kerosene, etc. 320,227; Dec. 18; Serial No. 335,290; published Nov. 21, 1933. Class 15.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 320,233; Dec. 18; Serial No. 354,632; published Oct. 2, 1934. Class 6.
Parfums Rouni, Inc., New York, N. Y. Perfumes. 320,187; Dec. 18; Serial No. 353,860; published Oct. 9, 1934. Class 6.
Parker-Kalon Corporation, New York, N. Y. Screws, drive screws, drive pins, etc. 320,278; Dec. 18. Class 13.
Patterson & Coane, Inc., Atlantic City, N. J. Gin. 320,029; Dec. 18; Serial No. 355,520; published Oct. 9, 1934. Class 49.
Pedetrin Pharmacal Co. (See Edison, Sylvan M.)
Penney, J. C., Company, Wilmington, Del. Overalls, work and play suits, and work shirts and pants. 320,267; Dec. 18; Serial No. 354,699; published Oct. 9, 1934. Class 39.
Peoples Bottling Company, Inc., The, Akron, Ohio. Maltless beverages and sirups and extracts for same. 320,277; Dec. 18. Class 45.
Phillips, Fred E., Tacoma, Wash. Salves and liniments. 320,180; Dec. 18; Serial No. 353,726; published Oct. 2, 1934. Class 6.
Phillips, Godfrey, Limited, London, England. Cigarettes. 320,034; Dec. 18; Serial No. 355,569; published Oct. 9, 1934. Class 17.
Picker-Linz Importers, Inc., New York, N. Y., assignor to Manuel Fernandez y Ca S. L., Jerez de la Frontera, Spain. Wines. 320,281; Dec. 18. Class 47.
Pioneer Suspender Company, Philadelphia, Pa. Belts for outer wear. 319,996; Dec. 18; Serial No. 354,768; published Oct. 2, 1934. Class 39.
Premier-Pabst Corporation, Peoria Heights, Ill. Preparation for sizing and finishing textile fibers and fabrics. 320,008; Dec. 18; Serial No. 355,327; published Oct. 9, 1934. Class 6.
Protegé Cosmetics Co. (See Fried, Bella.)
Providence Braid Company, Pawtucket, R. I. Shoe laces, corset lacings, tapes, etc. 320,262; Dec. 18; Serial No. 354,524; published Oct. 2, 1934. Class 40.
Pschorrbräu Aktiengesellschaft Munchen, Munich, Germany. Malt beverages. 320,209–10; Dec. 18; Serial Nos. 353,143–4; published Oct. 9, 1934. Class 48.
Puritan Cosmetics Inc., doing business as Puritan Pharmacal Company, St. Louis, Mo. Milk of magnesia and antiseptic mouth wash. 320,254; Dec. 18; Serial No. 354,386; published Oct. 9, 1934. Class 6.
Quality Tool Works. (See Felknor, Herbert L.)
Queen City Textile Corporation, Allentown, Pa. Underwear and hosiery. 320,256; Dec. 18; Serial No. 354,448; published Oct. 9, 1934. Class 39.
Raritan Distillers Corp., Perth Amboy, N. J. Whiskey, brandy, and gin. 320,220–3; Dec. 18; Serial Nos. 356,049–52; published Oct. 16, 1934. Class 49.
Rawlings Bros., Ltd., assignor to The Rawlplug Company Limited, London, England. Plugs for fixing screws in plaster, brick, etc. 100,724; renewed Oct. 20, 1934.
Rawlplug Company Limited, The. (See Rawlings Bros., Ltd., assignor.)
Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Lingerie. 320,257; Dec. 18; Serial No. 354,449; published Oct. 2, 1934. Class 39.
Recker, O. R., Packing Co., Phoenix, Ariz. Fresh cantaloupes and vegetables. 320,276; Dec. 18. Class 46.
Records & Goldsborough, Baltimore, Md. Whiskey. 320,166; Dec. 18; Serial No. 339,284; published Aug. 1, 1933. Class 49.
Red Feather Laboratories, Inc. (See Master Laboratories, Inc.)
Redlands Heights Groves, Inc., Redlands, Calif. Fresh citrus fruit. 320,134; Dec. 18; Serial No. 352,207; published Oct. 16, 1934. Class 46.
Reilly Tar & Chemical Corporation, Indianapolis, Ind. Pitch and felt. 320,205; Dec. 18; Serial No. 353,096; published Sept. 18, 1934. Class 12.
Roma Wine Company. (See Cella, Battista.)
Rugby Knitting Mills, Inc., Buffalo, N. Y. Bathing suits and trunks. 319,997; Dec. 18; Serial No. 354,769; published Oct. 9, 1934. Class 39.
St. George Winery, doing business as St. George Winery & Distillery, Fresno, Calif. Brandy. 320,056; Dec. 18; Serial No. 355,872; published Oct. 16, 1934. Class 49.
St. John, Sylvester L., Norwood, Mass. Dry cleaning preparations, fluid and compound. 320,202; Dec. 18;

Saks & Company, Inc., New York, N. Y. Handbags. 320,236; Dec. 18; Serial No. 354,636; published Oct. 9, 1934. Class 3.
Schenley Products Company, New York, N. Y. Whiskey and other potable distilled spirits. 320,176; Dec. 18; Serial No. 344,063; published Jan. 9, 1934. Class 49.
Schenley Wine & Spirit Import Corporation, New York, N. Y. Wines. 320,128; Dec. 18; Serial No. 351,870; published Oct. 9, 1934. Class 47.
Schiaparelli S. A., Paris, France. Perfumes. 319,988–9; Dec. 18; Serial Nos. 354,703–4; published Oct. 2, 1934. Class 6.
Schiaparelli S. A., Paris, France. Perfumes. 319,990; Dec. 18; Serial No. 354,706; published Oct. 2, 1934. Class 6.
Schmidt, A. O., doing business as A. O. Schmidt Co., San Francisco, Calif. Vaginal suppositories, antiseptic powders, skin ointments, etc. 320,193; Dec. 18; Serial No. 353,950; published Oct. 9, 1934. Class 6.
Schmidt Lithograph Company, San Francisco, Calif. Advertising posters and cards. 320,201; Dec. 18; Serial No. 352,926; published Oct. 9, 1934. Class 38.
Schwob, J. A., Co., The, Moundsville, W. Va., assignor to Seymour Manufacturing Company, Inc., Seymour, Ind. Grain, rice, and corn cradles. 101,334; renewed Nov. 24, 1934.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey. 320,036–7; Dec. 18; Serial Nos. 355,584–5; published Oct. 16, 1934. Class 49.
Sears, Roebuck and Co., Chicago, Ill. Platform scales. 320,038; Dec. 18; Serial No. 355,445; published Oct. 9, 1934. Class 26.
Seymour Manufacturing Company, Inc. (See Schwob, J. A., Co., The, assignor.)
Sheley, Rex B., doing business as My Rx Laboratories, Washington, D. C. Sedative chewing gum. 320,129; Dec. 18; Serial No. 351,880; published Oct. 9, 1934. Class 6.
Sherman, A., Mfg. Co., The, Stamford, Conn. Whiskey. 320,046; Dec. 18; Serial No. 355,949; published Oct. 16, 1934. Class 49.
Sherman, A., Mfg. Co., The, Stamford, Conn. Whiskey. 320,065; Dec. 18; Serial No. 355,743; published Oct. 9, 1934. Class 49.
Sherman, A., Mfg. Co., The, Stamford, Conn. Whiskey. 320,078–9; Dec. 18; Serial Nos. 355,638–9; published Oct. 9, 1934. Class 49.
Sherman, A., Mfg. Co., The, Stamford, Conn. Whiskey. 320,211; Dec. 18; Serial No. 355,950; published Oct. 16, 1934. Class 49.
Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides. 320,014; Dec. 18; Serial No. 355,373; published Oct. 9, 1934. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, lacquers, japans, etc. 320,015; Dec. 18; Serial No. 355,374; published Oct. 9, 1934. Class 16.
Simon, J., & Sons, Inc., St. Louis, Mo. Whiskey. 320,076–7; Dec. 18; Serial Nos. 355,643–4; published Oct. 9, 1934. Class 49.
Snider Packing Corporation, Rochester, N. Y. Canned vegetables and canned succotash. 320,232; Dec. 18; Serial No. 354,581; published Sept. 25, 1934. Class 46.
Società in Accomandita Semplice A. Perticucci & Figli, Milan, Italy. Alcoholic cordials. 320,127; Dec. 18; Serial No. 351,828; published Oct. 16, 1934. Class 49.
Societe Anonyme des Etablissements, Roure-Bertrand Fils & Justin Dupont, Paris, France. Concentrated artificial flower oils. 320,168–71; Dec. 18; Serial Nos. 342,044–7; published Oct. 2, 1934. Class 6.
Société Anonyme Papiers à Cigarettes Le Nil, Joseph Bardou & Fils, Anciens Etablissements Bardou Broussard Bonfils & Co., Angouleme, France. Papers and paper tubes for cigarettes. 320,005; Dec. 18; Serial No. 354,812; published Oct. 9, 1934. Class 8.
Société du Gant Torpedo, Villeurbanne, France. Articles of clothing. 320,125; Dec. 18; Serial No. 351,437; published Oct. 2, 1934. Class 39.
Southern Coal Company, Memphis, Tenn. Coal. 320,181; Dec. 18; Serial No. 353,733; published Oct. 9, 1934. Class 1.
Spratt's Patent (America) Limited, London, England, and Newark, N. J. Bird food. 320,108; Dec. 18; Serial No. 354,007; published Oct. 9, 1934. Class 46.
Stagg, Geo. T., Co., The, Frankfort, Ky. Whiskey, brandy, gin, etc. 320,164; Dec. 18; Serial No. 341,308; published Oct. 24, 1933. Class 49.
Standard Oil Company of New Jersey, Wilmington, Del. Periodical. 319,999; Dec. 18; Serial No. 354,770; published Oct. 9, 1934. Class 38.
Star Company, New York, N. Y. Publication. 320,185; Dec. 18; Serial No. 353,774; published Oct. 9, 1934. Class 38.
Star Liquor Dealers, Inc., New York, N. Y. Whiskey, gin, rum, etc. 320,057; Dec. 18; Serial No. 355,861; published Oct. 16, 1934. Class 49.
Star-Peerless Wall Paper Mills, Chicago, Ill. Wall paper. 320,178; Dec. 18; Serial No. 353,555; published Oct. 9, 1934. Class 37.
Stearns, Frederick K., Detroit, Mich., and New York, N. Y., to Frederick Stearns & Company, Detroit, Mich., successor. Aperient or laxative. 103,183; renewed Mar. 16, 1935.
Stearns, R. H., Company, Boston, Mass. Shoes, boots, and slippers. 320,260; Dec. 18; Serial No. 354,481; published Oct. 2, 1934. Class 39.
Stein, Theodore G., Inc., Camden, N. J. Whiskey, gin, rum, etc. 320,198; Dec. 18; Serial No. 353,547; published Aug. 7, 1934. Class 49.
Sterling Wine and Liquor Corp., The, St. Paul, Minn. Whiskey and gin. 320,030; Dec. 18; Serial No. 355,523; published Oct. 9, 1934. Class 49.
Stoner-Mudge, Inc., Pittsburgh, Pa. Resinous coating material. 320,146; Dec. 18; Serial No. 346,538; published Oct. 9, 1934. Class 16.
Strohmeyer & Arpe Company, New York, N. Y. Cognac and creme de menthe. 320,197; Dec. 18; Serial No. 349,597; published Oct. 16, 1934. Class 49.
Sunrise Brewing Company, The, Cleveland, Ohio. Malt beverage. 320,064; Dec. 18; Serial No. 355,744; published Oct. 9, 1934. Class 48.
Swift and Company, Chicago, Ill. White laundry soap. 103,831; renewed Apr. 13, 1935.
Table Rock Laboratories, Inc., Greenville, S. C. Antiseptic douche. 320,258; Dec. 18; Serial No. 354,451; published Oct. 2, 1934. Class 6.
Tanqueray, Gordon & Co., Limited, London, England. Distilled alcoholic cocktails. 320,173; Dec. 18; Serial No. 342,366; published Dec. 12, 1933. Class 49.
Thrifty Drug Co. Ltd., doing business as Thrifty Drug Stores, Los Angeles, Calif. Wine. 320,116; Dec. 18; Serial No. 353,158; published Oct. 9, 1934. Class 47.
Twinface Clock Company, Inc., New York, N. Y. Clocks. 320,273; Dec. 18. Class 27.
United Distillers (of America) Ltd., Baltimore, Md. Whiskey, gin, rum, etc. 320,009–11; Dec. 18; Serial Nos. 355,333–5; published Oct. 16, 1934. Class 49.
United Drug Company, Boston, Mass. Fountain pens. 320,252; Dec. 18; Serial No. 354,360; published Oct. 9, 1934. Class 37.
United Spirit & Wine Import Corp., New York, N. Y. Gin. 320,039; Dec. 18; Serial No. 355,453; published Oct. 9, 1934. Class 49.
U. S. Manufacturing Corporation, Decatur, Ill. Fabrics for fly-swatters and fly-swatters. 320,093; Dec. 18; Serial No. 355,277; published Oct. 9, 1934. Class 50.
Van Dissen, James, Distilling Co., Los Angeles, Calif. Mixed fruit cordial. 320,075; Dec. 18; Serial No. 355,649; published Oct. 9, 1934. Class 49.
Vanity Brassiere Company, Inc., New York, N. Y. Corsets, brassières, girdles, etc. 320,270; Dec. 18; Serial No. 354,669; published Oct. 2, 1934. Class 39.
Velveray Corporation of America, New York, N. Y., and Fall River, Mass. Cotton, silk, etc., piece goods. 320,000–1; Dec. 18; Serial Nos. 354,779–80; published Oct. 2, 1934. Class 42.
Velveray Corporation of America, New York, N. Y., and Fall River, Mass. Organdy. 320,002; Dec. 18; Serial No. 354,781; published Oct. 2, 1934. Class 42.
Velveray Corporation of America, New York, N. Y., and Fall River, Mass. Piece goods. 320,048–50; Dec. 18; Serial Nos. 331,966–8; published Oct. 9, 1934. Class 42.
Vick Chemical Co., The, Greensboro, N. C., assignor, by mesne assignments, to Vick Chemical Company, Philadelphia, Pa. Salve. 103,601; renewed Apr. 6, 1935.
Virginia Maid Hosiery Mills, Inc., Pulaski, Pa. Hosiery. 320,152; Dec. 18; Serial No. 347,764; published Oct. 9, 1934. Class 39.
Wagner, Jacob, Brooklyn, N. Y. Whiskey. 320,224; Dec. 18; Serial No. 356,060; published Oct. 16, 1934. Class 49.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 320,263; Dec. 18; Serial No. 354,531; published Oct. 16, 1934. Class 49.
Walker, W. and H., Inc., Pittsburgh and Herrs Island, Pittsburgh, Pa. Whiskey. 320,026; Dec. 18; Serial No. 355,500; published Oct. 9, 1934. Class 49.
Walker, William L., Athens, Ga. Beverages. 320,059; Dec. 18; Serial No. 355,776; published Oct. 16, 1934. Class 45.
Waltham Watch Company, Waltham, Mass. Clocks. 320,160; Dec. 18; Serial No. 351,093; published Oct. 9, 1934. Class 27.
Ward, Thomas, Distilling Company, The, Westminster, Md. Whiskey. 320,204; Dec. 18; Serial No. 353,098; published Oct. 16, 1934. Class 49.
Washington Wine & Spirits Corporation, Washington, D. C. Whiskey. 320,068; Dec. 18; Serial No. 355,718; published Oct. 16, 1934. Class 49.
Watsonville Exchange Inc., Watsonville, Calif. Lettuce. 320,055; Dec. 18; Serial No. 355,911; published Oct. 16, 1934. Class 46.
Werner Paint Company, Hoboken, N. J. Putty and putty solution. 320,165; Dec. 18; Serial No. 341,381; published Oct. 9, 1934. Class 16.
Western Distillers Corporation, Los Angeles, Calif. Whiskey. 320,054; Dec. 18; Serial No. 355,920; published Oct. 16, 1934. Class 49.
Whitbread and Company, Limited, London, England. Ale. 320,200; Dec. 18; Serial No. 352,882; published Oct. 9, 1934. Class 48.
Whitman, Stephen F., & Sons, Inc., Philadelphia, Pa. Candies. 320,230; Dec. 18; Serial No. 339,293; published Oct. 9, 1934. Class 46.
Whiz Fish Products, Inc., Seattle, Wash. Fish. 320,175; Dec. 18; Serial No. 343,895; published Apr. 10, 1934. Class 46.

Widmer's Wine Cellars, Inc., Naples, N. Y. Wines. 320,147; Dec. 18; Serial No. 346,798; published Oct. 9, 1934. Class 47.

Williams, Alyce, doing business as Oxylith Co., Los Angeles, Calif. Medicinal preparation. 320,194; Dec. 18; Serial No. 353,965; published Oct. 9, 1934. Class 6.

Williamsburg Drug Company, Brooklyn, N. Y. Medicinal mineral oil and agar agar, elixir phenobarbital, etc. 320,003; Dec. 18; Serial No. 354,785; published Oct. 9, 1934. Class 6.

Wimmer, Leopold, doing business as Continental Specialties Manufacturing Company, Muskegon, Mich., and Sarnia, Ontario, Canada. Compound for sealing leaks in radiators. 320,139; Dec. 18; Serial No. 352,766; published Oct. 9, 1934. Class 6.

Winand-Pikesville Distillery Company, Baltimore, Md. Whiskey. 320,031; Dec. 18; Serial No. 355,552; published Oct. 9, 1934. Class 49.

Wizard, Inc., Chicago, Ill. Oils. 320,231; Dec. 18; Serial No. 340,781; published Oct. 10, 1933. Class 15.

Wolf, Jacques, & Co., Clifton, N. J. Beer clarifiers. 320,126; Dec. 18; Serial No. 351,597; published Oct. 9, 1934. Class 48.

Woodward & Lothrop, Washington, D. C. Canned fruits, vegetables, etc. 320,102; Dec. 18; Serial No. 354,882; published Oct. 16, 1934. Class 46.

Yeastena Yeast Company. (See McCarty, George L.)

Ynchausti & Co. (See de la Guardia, Fernando.)

Zajac, Frank M. A., New York, N. Y. Flour meal. 320,283; Dec. 18. Class 46.

Zekaria Brothers, New York, N. Y. Lace fabrics. 320,179; Dec. 18; Serial No. 353,590; published Oct. 9, 1934. Class 42.

LIST OF REGISTRANTS OF LABELS

Bird & Son, Inc., East Walpole, Mass. Sportocasin. For Footwear. 44,755; Dec. 18.

Bird & Son, Inc., East Walpole, Mass. Sears Footwear. For Footwear. 44,756; Dec. 18.

Bird & Son, Inc., East Walpole, Mass. Fashion Footwear. For Footwear. 44,757; Dec. 18.

Brough, Fred J., Salmon, Idaho. Neutsu. For Herb Tea. 44,758; Dec. 18.

Bussmann Mfg. Co., St. Louis, Mo. Buss Clear Window Fuses. For Electric fuses. 44,759; Dec. 18.

Champion Chili Company, Dallas, Tex. White's Champion. For Concentrated Chili Con Carne without Beans. 44,760; Dec. 18.

Contadina Brokerage & Distributing Co., Chicago, Ill. Signorina. For Tomato Paste. 44,761; Dec. 18.

Gallatin Brewing Co., Bozeman, Mont. Old Faithful. For Pale Beer. 44,762; Dec. 18.

Greene County Fruit Distillery, Inc., Catskill, N. Y. Old Catskill. For Apple Brandy. 44,763; Dec. 18.

Haig, J. T., New York, N. Y. Save Your Cups. For Safety Cup-Hooks. 44,764; Dec. 18.

Houghton, Benjamin L., New York, N. Y. Celestin Martel. For Cognac. 44,765; Dec. 18.

Huff Company, The, Ann Arbor, Mich. Collette. For Wire Springs. 44,766; Dec. 18.

Hyams, Walter, New York, N. Y. Celery for Energy. For Celery. 44,767; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Ninth Diamond as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,768; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Lost Falcon as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,769; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Battle at the Tomb as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,770; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Sword of Damocles as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,771; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Bell of Atri as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,772; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Boy Hero of Harlaam as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,773; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Miracle of the Sword as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. 44,774; Dec. 18.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes—The Wooden Horse of Troy. For Ready-to-Eat Cereal Food. 44,775; Dec. 18.

S. H. Kress & Co., New York, N. Y. Bright Eyes Eyebrow Pencil with Sharpener for Smart Eyebrows. For Eyebrow Pencils with Sharpener Attachment. 44,776; Dec. 18.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Quality Bacon. For Bacon. 44,777; Dec. 18.

Loly-Lax Co., Paterson, N. J. Loly-Lax. The Laxative on a Stick. For Laxative. 44,778; Dec. 18.

Markwell Manufacturing Company, Inc., New York, N. Y. Gold Medal Staples. For Boxes of Staples. 44,779; Dec. 18.

Markwell Manufacturing Company, Inc., New York, N. Y. Markwell Staples. For Boxes of Staples. 44,780; Dec. 18.

Moffat, H., Co., San Francisco, Calif. Scotty Allan's Dog Food. For Dog Food. 44,781; Dec. 18.

Moore, Thomas, Distributing Company, McKeesport, Pa. Great Dane. For Straight Rye Whiskey. 44,803; Dec. 18.

Poster Products Inc., Chicago, Ill. Face-Fun Felt-O-Grams. For Games. 44,782; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Gold Label. For Black Tea. 44,783–4; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Red Label. For Mixed Tea. 44,785–6; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Blue Label. For Black Tea. 44,787–8; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Blue Label. For Mixed Tea. 44,789–90; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Blue Label. For Green Tea. 44,791–2; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Japan Tea. For Green Japan Tea. 44,793; Dec. 18.

Salada Tea Co. (Inc.), Boston, Mass. Salada Red Label. For Green Tea. 44,794; Dec. 18.

Salem Brewery Association, Salem, Oreg. Salem Beer. For Beer. 44,795; Dec. 18.

Schonbrunn, S. A., & Co., Inc., New York, N. Y. Medaglia D'Oro. For Coffee. 44,796; Dec. 18.

Standard Brands Incorporated, New York, N. Y. Tender Leaf (12-Two Gallon). For Tea Bags. 44,797; Dec. 18.

Standard Brands Incorporated, New York, N. Y. Tender Leaf (12-One Gallon). For Tea Bags. 44,798; Dec. 18.

Standard Brands Incorporated, New York, N. Y. Tender Leaf (12 Packages). For Tea Balls. 44,799; Dec. 18.

Standard Brands Incorporated, New York, N. Y. Tender Leaf (24 Packages). For Tea Balls. 44,800; Dec. 18.

Starman Syphon Manufacturing Co., Inc., Brooklyn, N. Y. Sparkling Club Soda. For a Lithiated and Siphonated Sparkling Water. 44,801; Dec. 18.

Sterling Magnesia Co., Chicago, Ill. An Agreeable Refrigerant and Laxative. For Citrate of Magnesia. 44,802; Dec. 18.

Trade Laboratories, Inc., The, Newark, N. J. Milk-I-Dent Dental Cream. For Dental Cream. 44,804; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Chicken and Egg Noodles. For Chicken and Egg Noodles. 44,805; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Chicken Tamale. For Chicken Tamale. 44,806; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Chicken a la King. For Chicken a la King. 44,807; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Boneless Chicken. For Boneless Chicken. 44,808; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Boneless Roast Chicken and Broth. For Boneless Roast Chicken and Broth. 44,809; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Boneless Chicken. For Boneless Chicken. 44,810; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Chicken Sandwich Spread. For Chicken Sandwich Spread. 44,811; Dec. 18.

Washington Co-operative Egg & Poultry Association, Seattle, Wash. Lynden Brand Chicken Broth. For Chicken Broth. 44,812; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Queen of the West. For Self-Rising Flour. 44,813; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Southern Daisy. For Self-Rising Flour. 44,814; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Western. For Flour. 44,815; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Oklahoma Made. For Self-Rising Flour. 44,816; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Western. For Self-Rising Flour. 44,817; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Best. For Flour. 44,818; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Best. For Self-Rising Flour. 44,819; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Verifine. For Self-Rising Flour. 44,820; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Veri-Fine. For Flour. 44,821; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Good Luck. For Flour. 44,822; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. India-Homa. For Flour. 44,823; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Queen of the West. For Flour. 44,824; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Good Luck. For Self-Rising Flour. 44,825; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Southern Star. For Flour. 44,826; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Great Rock Island. For Flour. 44,827; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Quality. For Our Banner Flour. 44,828; Dec. 18.

Yukon Mill and Grain Company, Yukon, Okla. Yukon's Verifine. For White Cream Meal. 44,829; Dec. 18.

LIST OF REGISTRANTS OF PRINTS

Airco Coals, Inc., Dayton, Ohio. Sunfame Coal. For Coal. 14,941; Dec. 18.

Carson Pirie Scott & Company, Chicago, Ill. Carson's Presents the Outstanding Coat Successes in a Great October Event. For Ladies' Ready-to-Wear Coats. 14,942; Dec. 18.

Carson Pirie Scott & Company, Chicago, Ill. When Good Fashions Get Together in Such Variety as These, It's a Carson's Selling of Frocks. For Ladies' Ready-to-Wear Frocks. 14,943; Dec. 18.

General Mills, Inc., Minneapolis, Minn. $10,000.00 in Real Cash Given Free for Writing Last Lines to the Limerick on This Page. For Flour. 14,944; Dec. 18.

General Mills, Inc., Minneapolis, Minn. What to Do About the Man Who's Grouchy at the Table. For Biscuit Flour. 14,945; Dec. 18.

McKesson & Robbins, Inc., Bridgeport and Fairfield, Conn. She Takes the Curves Fast. For Dentifrice. 14,946; Dec. 18.

McKesson & Robbins, Inc., Bridgeport and Fairfield, Conn. Off the "High Board" Without Fear. For Dentifrice. 14,947; Dec. 18.

McKesson & Robbins, Inc., Bridgeport and Fairfield, Conn. Picture of a Man Who Has Just Wasted 3 Minutes. For Dentifrice. 14,948; Dec. 18.

Orthopedic Shoes Inc., New York, N. Y. Specialists in Foot Comfort. For Shoes. 14,949; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. There's a Brand New, Grand New Treat in Store for You! For Ale. 14,950; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Grand on First Taste, and Grander the Better You Know It, (Ad No. 3). For Ale. 14,951; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. 25 cents a Bottle to Your Customers—40% Profit to You Pabstonic. For Malt Tonic. 14,952; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. I Vant the Most I Can Get of the Best There Is. Dot's Vy I Vant Blue Ribbon Malt! For Malt Extract. 14,953; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. North East West South . . . (Ad. No. 157). For Beer. 14,954; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. 5 Times as Much Vitamin 'B' and 'G' as Average Meal! For Malt Tonic. 14,955; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Here's Needed Strength for Nursing Mothers. For Malt Tonic. 14,956; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Do You Need a Systematic Invigorating Agent—New Vital Force? For Malt Tonic. 14,957; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Here's the Way to Build Up Your Appetite—Try It! For Malt Tonic. 14,958; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Good News Travels Fast! (Ad. No. 2806). For Ale. 14,959; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. When Your Taste is Jaded—Try This Grand New, Better Ale! (Ad. No. 2808). For Ale. 19,960; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Everybody Says—'This is a Better Ale!' (Ad. No. 2811). For Ale. 14,961; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. Whenever You're Tense, R-E-L-A-X This Delightful Way! For Beer. 14,962; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. They're All Saying—'It Is a Brand New, Grand New Taste!' (Ad. No. 3803). For Ale. 14,963; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. People Are Now Asking! Why Didn't Somebody Brew an Ale Like This Before? (Ad. No. 3805). For Ale. 14,964; Dec. 18.

Premier-Pabst Corporation, Peoria Heights, Ill. There's a Brand New Grand Taste in Town? (Ad. No. 5801). For Ale. 14,965; Dec. 18.

Ralston Purina Company, St. Louis, Mo. Eat Ry-Krisp If You Want a Figure Like the Movie Stars Says Mme. Sylvia of Hollywood (Floor Stand). For Food for Human Consumption. 14,966; Dec. 18.

Ralston Purina Company, St. Louis, Mo. Mothers! Here's a Hot Cereal Children Love to Eat—Tom Mix (Floor Stand). For a Cereal. 14,967; Dec. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Loyalsock Coal Mining Company. 320,229; Dec. 18; Serial No. 338,094; published Oct. 9, 1934.

Coal. Southern Coal Company. 320,181; Dec. 18; Serial No. 353,733; published Oct. 9, 1934.

Heat refractory materials. Norton Company. 101,193–4; renewed Nov. 17, 1934.

Leather. Monarch Leather Company. 320,027; Dec. 18; Serial No. 355,506; published Oct. 9, 1934.

Leather, Sole. J. W. & A. P. Howard Company. 101,288; renewed Nov. 24, 1934.

CLASS 3

Handbags. Saks & Company. 320,236; Dec. 18; Serial No. 354,636; published Oct. 9, 1934.

CLASS 4

Cleaning preparations, fluid and compound, Dry. S. L. St. John. 320,202; Dec. 18; Serial No. 352,989; published Oct. 9, 1934.

Detergent for dry cleaning process. Blue Heven Corporation. 320,264; Dec. 18; Serial No. 354,559; published Oct. 9, 1934.

Shaving cream and soaps. P. P. Mülhens. 320,101; Dec. 18; Serial No. 354,853; published Oct. 9, 1934.

Soap, White laundry. Swift and Company. 103,831; renewed Apr. 13, 1935.

Soaps. Cincinnati Soap Company. 320,251; Dec. 18; Serial No. 354,335; published Oct. 9, 1934.

Soapy composition for cleaning linoleum, etc. Paper Makers Chemical Corporation. 320,007; Dec. 18; Serial No. 355,322; published Oct. 9, 1934.

CLASS 6

Aperient or laxative. F. K. Stearns. 103,183; renewed Mar. 16, 1935.

Astringents, astringent cerates, bleach creams, etc. Parfumerie St. Denis. 320,235; Dec. 18; Serial No. 354,632; published Oct. 2, 1934.

Bath salts. Alice Martin Corporation. 320,114; Dec. 18; Serial No. 354,163; published Oct. 9, 1934.

Composition for destroying moth larvæ. S. B. Dunn. 320,115; Dec. 18; Serial No. 354,193; published Oct. 9, 1934.

Compound for sealing leaks in radiators. L. Wimmer. 320,139; Dec. 18; Serial No. 352,766; published Oct. 9, 1934.

Deodorants, Elizabeth Arden, Inc. 320,225; Dec. 18; Serial No. 333,493; published Oct. 2, 1934.

Douche, Antiseptic. Table Rock Laboratories, Inc. 320,258; Dec. 18; Serial No. 354,451; published Oct. 2, 1934.

Hair dressing. H. J. Eidex. 320,109; Dec. 18; Serial No. 354,033; published Oct. 2, 1934.

Hair tonic. O. Gillo. 320,158; Dec. 18; Serial No. 350,823; published Oct. 9, 1934.

Insecticides. Sherwin-Williams Co. 320,014; Dec. 18; Serial No. 355,373; published Oct. 9, 1934.

Iodine, potassium iodide, etc. Dow Chemical Company. 320,261; Dec. 18; Serial No. 354,506; published Oct. 2, 1934.

Medicinal mineral oil and agar agar, elixir phenobarbital, etc. Williamsburg Drug Company. 320,003; Dec. 18; Serial No. 354,785; published Oct. 9, 1934.

Medicinal preparation. A. Williams. 320,194; Dec. 18; Serial No. 353,965; published Oct. 9, 1934.

Medicines. F. A. Griffitts. 320,192; Dec. 18; Serial No. 353,925; published Oct. 9, 1934.

Medicines. M. O. Ingram. 320,110; Dec. 18; Serial No. 354,042; published Oct. 9, 1934.

Milk of magnesia and antiseptic mouth wash. Puritan Cosmetics Inc. 320,254; Dec. 18; Serial No. 354,386; published Oct. 9, 1934.

Oils, Concentrated artificial flower. Societe Anonyme des Etablissements, Roure-Bertrand Fils & Justin Dupont. 320,168–71; Dec. 18; Serial Nos. 342,044–7; published Oct. 2, 1934.

Ointment, Medicinal. Black Diamond, Incorporated. 320,081; Dec. 18; Serial No. 352,515; published Oct. 9, 1934.

Ointment, perfumery preparations, and dentifrices, Heating. Milton Proprietary Limited. 320,121; Dec. 18; Serial No. 353,401; published Oct. 9, 1934.
Ointment, Skin. Dearling Inc. 320,207; Dec. 18; Serial No. 353,125; published Oct. 2, 1934.
Perfumes. Parfums Ronni, Inc. 320,187; Dec. 18; Serial No. 353,860; published Oct. 9, 1934.
Perfumes. Schiaparelli S. A. 319,988–9; Dec. 18; Serial Nos. 354,703–4; published Oct. 2, 1934.
Perfumes. Schiaparelli S. A. 319,990; Dec. 18; Serial No. 354,706; published Oct. 2, 1934.
Poison, Rat, mouse, and gopher. L. G. Chemical Company. 320,182; Dec. 18; Serial No. 353,742; published Oct. 9, 1934.
Preparation for relief of earaches. W. H. Bowdoin. 320,157; Dec. 18; Serial No. 350,618; published June 19, 1934.
Preparation for sizing and finishing textile fibers and fabrics. Premier-Pabst Corporation. 320,008; Dec. 18; Serial No. 355,327; published Oct. 9, 1934.
Preparation for treating dandruff and promoting the growth of hair, and toilet creams. B. Fried. 320,106; Dec. 18; Serial No. 354,985; published Oct. 9, 1934.
Preparation for treatment of corns, callous, bunions, and warts. S. M. Edison. 320,253; Dec. 18; Serial No. 354,362; published Oct. 9, 1934.
Preparation of yeast in capsule form. G. L. McCarty. 320,156; Dec. 18; Serial No. 350,588; published July 31, 1934.
Preparation used for insect bites, poison ivy, etc. H. Grant. 320,183; Dec. 18; Serial No. 353,757; published Oct. 9, 1934.
Preparations, medicines, and vermifuges, Poultry. Master Laboratories, Inc. 320,255; Dec. 18; Serial No. 354,411; published Oct. 9, 1934.
Product for water treatment. Lambin and Company. 320,136; Dec. 18; Serial No. 352,543; published Oct. 2, 1934.
Products of resinous nature. Fritzsche Brothers, Inc. 320,087; Dec. 18; Serial No. 355,143; published Oct. 9, 1934.
Propane gas, Bottled. Fuelane Corporation. 320,137; Dec. 18; Serial No. 352,575; published Oct. 9, 1934.
Salve. Vick Chemical Co. 103,601; renewed Apr. 6, 1935.
Salves and liniments. F. E. Phillips. 320,180; Dec. 18; Serial No. 353,726; published Oct. 2, 1934.
Sedative chewing gum. R. B. Sbeley. 320,129; Dec. 18; Serial No. 351,880; published Oct. 9, 1934.
Soot remover chemical preparation. Calcinite Chemicals, Inc. 320,247–8; Dec. 18; Serial Nos. 354,239–40; published Oct. 9, 1934.
Suppositories, antiseptic powders, skin ointments, etc. A. O. Schmidt. 320,193; Dec. 18; Serial No. 353,950; published Oct. 9, 1934.

CLASS 9

Fuses, Blasting. National Fuse and Powder Co. 320,242; Dec. 18; Serial No. 355,629; published Oct. 9, 1934.
Fuses, Blasting. National Fuse and Powder Co. 320,243–4; Dec. 18; Serial Nos. 355,631–2; published Oct. 9, 1934.
Papers and paper-tubes for cigarettes. Societe Anonyme Papiers à Cigarettes Le Nil, Joseph Barden & Fils, Anciens Etablissements Bardou Broussard Bonfils & Co. 320,005; Dec. 18; Serial No. 354,812; published Oct. 9, 1934.

CLASS 12

Pitch and felt. Reilly Tar & Chemical Corporation. 320,205; Dec. 18; Serial No. 353,096; published Sept. 18, 1934.

CLASS 13

Plugs for fixing screws in plaster, brick, etc. Rawlings Bros., Ltd. 100,724; renewed Oct. 20, 1934.
Screws, drive screws, drive pins, etc. Parker-Kalon Corporation. 320,278; Dec. 18.
Tacks and nails, Birding. Bishop & Babcock Manufacturing Co. 320,016; Dec. 18; Serial No. 355,380; published Oct. 9, 1934.

CLASS 15

Gasoline, lubricating oil, kerosene, etc. F. L. Parchert. 320,227; Dec. 18; Serial No. 335,290; published Nov. 21, 1933.
Grease, Axle. National Refining Company. 104,152; renewed May 4, 1935.
Oils. Wizard, Inc. 320,231; Dec. 18; Serial No. 340,781; published Oct. 10, 1933.

CLASS 16

Paints, lacquers, japans, etc. Sherwin-Williams Co. 320,015; Dec. 18; Serial No. 355,374; published Oct. 9, 1934.
Putty and putty solution. Werner Paint Company. 320,165; Dec. 18; Serial No. 341,381; published Oct. 9, 1934.
Resinous coating material. Stoner-Mudge, Inc. 320,146; Dec. 18; Serial No. 346,533; published Oct. 9, 1934.
Tempera or show-card colors, water colors, and easel paint. J. L. Hammett Company. 320,107; Dec. 18; Serial No. 354,993; published Oct. 9, 1934.

CLASS 17

Cigarettes. P. J. Parachini. 320,124; Dec. 18; Serial No. 351,426; published Oct. 9, 1934.
Cigarettes. Godfrey Phillips, Limited. 320,034; Dec. 18; Serial No. 355,569; published Oct. 9, 1934.
Cigars. J. Mazer Sons Cigar Company. 319,987; Dec. 18; Serial No. 354,772; published Oct. 9, 1934.

CLASS 19

Aeroplanes and parts thereof not in other classes. Lockheed Aircraft Corporation. 320,151; Dec. 18; Serial No. 347,690; published June 26, 1934.

CLASS 21

Batteries, radio accessories, etc., Storage and dry. E. H. Ewald. 320,145; Dec. 18; Serial No. 333,511; published Oct. 10, 1933.

CLASS 22

Dolls. Arranbee Doll Co. 320,032; Dec. 18; Serial No 355,559; published Oct. 9, 1934.
Fielders' gloves, baseball bats, tennis balls and rackets, etc. Manhattan Novelty Company. 320,080; Dec. 18; Serial No. 355,223; published Oct. 16, 1934.
Game. House of Gadgets, Inc. 319,995; Dec. 18; Serial No. 354,750; published Oct. 9, 1934.
Sand boxes, play pens, toy houses, etc., Children's. R. H. Macy & Co. 320,240; Dec. 18; Serial No. 354,658; published Oct. 16, 1934.
Surf-boards. Robert Mitchell Manufacturing Company 320,266; Dec. 18; Serial No. 354,571; published Oct. 16, 1934.
Toy wagons and carriages, table board games, etc. J. F. Dille. 320,042; Dec. 18; Serial No. 355,464; published Oct. 16, 1934.

CLASS 23

Cradles, Grain, rice, and corn. J. A. Schwob Co. 101,334; renewed Nov. 24, 1934.
Forms and machines comprising the same, Hosiery drying and finishing. Paramount Textile Machinery Co. 320,271; Dec. 18.
Key-seat cutter. H. L. Felknor. 320,280; Dec. 18.
Machinery and tools and parts thereof. Brown Hoisting Machinery Company. 104,086; renewed Apr. 27, 1935.
Machines for roasting coffee, cocoa, peanuts, etc. Jabez Burns & Sons, Inc. 320,017; Dec. 18; Serial No. 355,395; published Oct. 9, 1934.
Needles, Machine. Furriers' Supply Corporation. 320,228; Dec. 18; Serial No. 335,814; published Oct. 9, 1934.
Razors and razor blades. J. J. Madden. 320,018; Dec. 18; Serial No. 355,406; published Oct. 9, 1934.
Wrenches. Bonney Forge & Tool Works. 320,275; Dec. 18.

CLASS 26

Ophthalmic frames and mountings. Bausch & Lomb Optical Company. 320,090; Dec. 18; Serial No. 355,245; published Oct. 9, 1934.
Scales, Portable platform. Sears, Roebuck and Co. 320,038; Dec. 18; Serial No. 355,445; published Oct. 9, 1934.

CLASS 27

Clocks. Twinface Clock Company, Inc. 320,273; Dec. 18.
Clocks. Waltham Watch Company. 320,160; Dec. 18; Serial No. 351,093; published Oct. 9, 1934.
Watches, clocks, springs, etc. Didisheim, Goldschmidt Fils et Cie, Fabrique Juvenia, La Chaux-de-Fonds. 100,524; renewed Oct. 20, 1934.

CLASS 29

Bristle goods. Bloomingdale Bros. 103,089; renewed Mar. 16, 1935.

CLASS 32

Cushions, pillows, and hassocks. Charles Bloom, Inc. 320,041; Dec. 18; Serial No. 355,461; published Oct. 9, 1934.
Furniture. Barker Bros., Incorporated. 320,040; Dec. 18; Serial No. 355,460; published Oct. 9, 1934.
Mattresses. A. Brandwein & Co. 320,094; Dec. 18; Serial No. 355,292; published Oct. 9, 1934.

CLASS 34

Furnaces and parts thereof. Kruse & Dewenter Company. 320,052; Dec. 18; Serial No. 319,726; published Mar. 21, 1933.

CLASS 35

Patches for repairing inner tubes and tires. B. B. Baber. 320,012; Dec. 18; Serial No. 355,344; published Oct. 9, 1934.

CLASS 36

Musical instruments and parts thereof. S. Buegeleisen. 103,253; renewed Mar. 23, 1935.

CLASS 37

Forms, Printed blank. A. S. Gilman Printing Company. 102,940; renewed Mar. 2, 1935.
Paper, English finish, eggshell text and super. D. M. Bare Paper Company. 320,082; Dec. 18; Serial No. 355,092; published Oct. 9, 1934.

Paper, Wall. Star-Peerless Wall Paper Mills. 320,178; Dec. 18; Serial No. 353,555; published Oct. 9, 1934.
Paper, Wrapping. Orchard Paper Co. 320,019–20; Dec. 18; Serial Nos. 355,412–13; published Oct. 9, 1934.
Pens, Fountain. United Drug Company. 320,252; Dec. 18; Serial No. 354,860; published Oct. 9, 1934.
Stencils and stencil paper. A. B. Dick Company. 320,099; Dec. 18; Serial No. 354,842; published Oct. 9, 1934.

CLASS 38

Books, Printed. Noble and Noble. 320,119; Dec. 18; Serial No. 353,253; published Oct. 9, 1934.
Booklets. Church of the Living God. 320,206; Dec. 18; Serial No. 353,109; published Oct. 9, 1934.
Magazine relating to live stock. American National Live Stock Association Publishing Company. 320,195; Dec. 18; Serial No. 353,969; published Oct. 9, 1934.
Periodical. Standard Oil Company of New Jersey. 319,999; Dec. 18; Serial No. 354,776; published Oct. 9, 1934.
Posters and cards, Advertising. Schmidt Lithograph Company. 320,201; Dec. 18; Serial No. 352,926; published Oct. 9, 1934.
Publication. Star Company. 320,185; Dec. 18; Serial No. 353,774; published Oct. 9, 1934.
Publication, Trade. India Rubber Publishing Co. 103,166; renewed Mar. 16, 1935.
Section of a magazine. Domestic Engineering Company. 320,122; Dec. 18; Serial No. 353,469; published Oct. 9, 1934.

CLASS 39

Apparel, Wearing. Elder Manufacturing Company. 320,246; Dec. 18; Serial No. 354,196; published Oct. 9, 1934.
Articles of clothing. Société du Gant Torpedo. 320,125; Dec. 18; Serial No. 351,437; published Oct. 2, 1934.
Belts for outer wear. Pioneer Suspender Company. 319,996; Dec. 18; Serial No. 354,708; published Oct. 2, 1934.
Boots, shoes, and slippers. Gregory & Read Company. 320,189; Dec. 18; Serial No. 353,887; published Oct. 9, 1934.
Coats. Kenglo Coats, Inc. 320,051; Dec. 18; Serial No. 329,995; published Oct. 9, 1934.
Corsets, brassières, girdles, etc. Vanity Brassiere Company. 320,270; Dec. 18; Serial No. 354,669; published Oct. 2, 1934.
Dresses. L. Finkenberg. 320,117; Dec. 18; Serial No. 353,170; published Oct. 9, 1934.
Dresses, Modes and Fabrics, Inc. 319,986; Dec. 18; Serial No. 354,731; published Oct. 9, 1934.
Hosiery. Colonial Knitting Mills, Inc. 319,992; Dec. 18; Serial No. 354,722; published Oct. 9, 1934.
Hosiery. Virginia Maid Hosiery Mills, Inc. 320,152; Dec. 18; Serial No. 347,764; published Oct. 9, 1934.
Lingerie. Real Silk Hosiery Mills, Inc. 320,257; Dec. 18; Serial No. 354,449; published Oct. 2, 1934.
Overalls. Globe Superior Corporation. 320,191; Dec. 18; Serial No. 353,922; published Oct. 9, 1934.
Overalls, work and play suits, and work shirts and pants. J. C. Penney Company. 320,267; Dec. 18; Serial No. 354,699; published Oct. 9, 1934.
Panties, slips, bloomers, etc. Franklin Simon & Co. 319,993; Dec. 18; Serial No. 354,736; published Oct. 2, 1934.
Petticoats and coats and suits. Bloomingdale Bros. 103,149; renewed Mar. 16, 1935.
Shoes. Lazarus Fried & Sons, Inc. 320,234; Dec. 18; Serial No. 354,615; published Oct. 2, 1934.
Shoes, boots, and slippers. R. H. Stearns Company. 320,260; Dec. 18; Serial No. 354,481; published Oct. 2, 1934.
Suits. Levy Bros. & Adler Rochester, Incorporated. 320,249; Dec. 18; Serial No. 354,252; published Oct. 9, 1934.
Suits and trunks, Bathing. Rugby Knitting Mills, Inc. 319,997; Dec. 18; Serial No. 354,769; published Oct. 9, 1934.
Suits, Misses' wind-proof and water-repellent. B. F. Moore & Company. 320,141; Dec. 18; Serial No. 352,827; published Oct. 9, 1934.
Underwear and hosiery. Queen City Textile Corporation. 320,256; Dec. 18; Serial No. 354,448; published Oct. 9, 1934.

CLASS 40

Elastic webbing, Narrow. American Mills Company. 320,131; Dec. 18; Serial No. 352,021; published Oct. 2, 1934.
Ribbon, ribbon rosettes, and hair ribbons, Cut lengths of. Buchet Fils et Charles Colcombet. 320,186; Dec. 18; Serial No. 353,845; published Oct. 2, 1934.
Shoe laces, corset lacings, tapes, etc. Providence Braid Company. 320,262; Dec. 18; Serial No. 354,524; published Oct. 2, 1934.

CLASS 42

Cotton piece goods. Cohn-Hall-Marx Co. 319,991; Dec. 18; Serial No. 354,721; published Oct. 2, 1934.
Cotton, silk, etc., piece goods. Velveray Corporation of America. 320,000–1; Dec. 18; Serial Nos. 354,779–80; published Oct. 2, 1934.
Cotton voile. W. E. McKay & Co. 320,174; Dec. 18; Serial No. 342,701; published Jan. 16, 1934.
Lace fabrics. Lace Net Importing Co. Inc. 320,133; Dec. 18; Serial No. 352,192; published Oct. 9, 1934.
Lace fabrics. Zekaria Brothers. 320,179; Dec. 18; Serial No. 353,590; published Oct. 9, 1934.
Organdy. Velveray Corporation of America. 320,002; Dec. 18; Serial No. 354,781; published Oct. 2, 1934.
Piece goods. Velveray Corporation of America. 320,048–50; Dec. 18; Serial Nos. 331,966–8; published Oct. 9, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 320,083; Dec. 18; Serial No. 355,011; published Oct. 9, 1934.
Piece goods of cellulose derivatives. Celanese Corporation of America. 320,237–8; Dec. 18; Serial Nos. 354,648–9; published Oct. 2, 1934.
Rugs and carpets. A. & M. Karagheusian, Inc. 320,259; Dec. 18; Serial No. 354,465; published Oct. 2, 1934.
Sheets, pillow-cases, and bed spreads. Kaplan Brothers. 320,184; Dec. 18; Serial No. 353,760; published Oct. 9, 1934.
Towels, wash cloths, pot holders, etc., Terry. R. L. Kaler Co. 320,282; Dec. 18.
Waterproof fabrics. Cooley Finishing Company. 320,135; Dec. 18; Serial No. 352,300; published Oct. 9, 1934.

CLASS 43

Threads, yarns, and novelty yarns. National Silk Co. 320,250; Dec. 18; Serial No. 354,256; published Oct. 9, 1934.
Yarn, Spun rayon. Industrie Gesellschaft für Schappe. 320,100; Dec. 18; Serial No. 354,847; published Oct. 9, 1934.

CLASS 44

Adhesive plaster. Johnson & Johnson. 320,112; Dec. 18; Serial No. 354,122; published Oct. 9, 1934.
Massage rollers. Elizabeth Arden, Inc. 320,203; Dec. 18; Serial No. 353,051; published Oct. 9, 1934.

CLASS 45

Apple juice. Bierbrauerei Steinhölzli A.-G. 320,172; Dec. 18; Serial No. 342,123; published Oct. 9, 1934.
Beverages and sirups and extracts for same, Maltless. Peoples Bottling Company. 320,277; Dec. 18.
Beverages, Maltless. W. L. Walker. 320,059; Dec. 18; Serial No. 355,776; published Oct. 16, 1934.
Fruit Juices, Citrus. Eagle Products Co., Inc. 320,284; Dec. 18.
Syrups, Maltless. Daws Fruit Cordials Ltd. 319,994; Dec. 18; Serial No. 354,747; published Oct. 16, 1934.
Waters, Natural, sparkling, and mineral. Indian Mineral Wells. 320,140; Dec. 18; Serial No. 352,823; published Oct. 16, 1934.

CLASS 46

Alimentary pastes. Columbia Macaroni Manufacturing Company. 320,188; Dec. 18; Serial No. 353,882; published Oct. 9, 1934.
Butter. Gold Coin Creamery Company. 320,033; Dec. 18; Serial No. 355,570; published Oct. 9, 1934.
Candies. H. Heide. 320,123; Dec. 18; Serial No. 353,476; published Oct. 16, 1934.
Candies. Stephen F. Whitman & Son, Inc. 320,230; Dec. 18; Serial No. 339,293; published Oct. 9, 1934.
Candy. Paul F. Beich Company. 320,145; Dec. 18; Serial No. 346,227; published July 3, 1934.
Candy containing nuts, Fudge. Klotz Confection Company, Incorporated. 320,279; Dec. 18.
Canned corn, succotash and lima beans. Augusta Canning Co. 100,748; renewed Oct. 27, 1934.
Canned fruits. Barron-Gray Packing Company. 320,272; Dec. 18.
Canned fruits, canned vegetables, etc. Woodward & Lethrop. 320,102; Dec. 18; Serial No. 354,882; published Oct. 16, 1934.
Canned mushrooms. Michigan Mushroom Company. 319,998; Dec. 18; Serial No. 354,770; published Oct. 9, 1934.
Canned peas. Francis H. Leggett & Company. 320,013; Dec. 18; Serial No. 355,362; published Oct. 16, 1934.
Canned vegetables and canned succotash. Snider Packing Corporation. 320,232; Dec. 18; Serial No. 354,581; published Sept. 25, 1934.
Canned vegetables and fruits, flavoring extracts, etc. Lebanon Wholesale Grocer Co. 102,805; renewed Feb. 23, 1935.
Cantaloupes and vegetables, Fresh. O. R. Recker Packing Co. 320,276; Dec. 18.
Cereal breakfast food. Campbell Cereal Company. Dec. 18; Serial No. 340,863; published Oct. 16, 1934.
Cheese. Capital City Products Company. 320,167; Dec. 18; Serial No. 341,786; published Oct. 9, 1934.
Confections, Frozen. Eskimo Pie Corporation. 320,086; Dec. 18; Serial No. 355,141; published Oct. 9, 1934.
Fish. Whiz Fish Products, Inc. 320,175; Dec. 18; Serial No. 343,895; published Apr. 10, 1934.
Flour. Farm Service Stores, Inc. 320,095; Dec. 18; Serial No. 355,304; published Oct. 9, 1934.

Flour meal. F. M. A. Zajac. 320,283; Dec. 18.
Flour, Wheat. Commander-Larabee Corporation. 320,148; Dec. 18; Serial No. 347,439; published July 10, 1934.
Food, Bird. Spratt's Patent (America) Limited. 320,108; Dec. 18; Serial No. 354,007; published Oct. 9, 1934.
Foods. C. E. Nesbitt. 320,142; Dec. 18; Serial No. 352,832; published Sept. 25, 1934.
Fruit, Fresh citrus. Redlands Heights Groves. 320,134; Dec. 18; Serial No. 352,267; published Oct. 16, 1934.
Fruits and dates, Dried. Hahicht Braun & Co. 320,028; Dec. 18; Serial No. 355,511; published Oct. 9, 1934.
Fruits and raw milk Fresh deciduous. C. E. Cotting. 320,104; Dec. 18; Serial No. 354,974; published Oct. 9, 1934.
Fruits, Fresh citrus. La Habra Citrus Association. 320,285; Dec. 18.
Ice cream cones. Chr. Hansen's Laboratory, Inc. 320,091; Dec. 18; Serial No. 355,260; published Oct. 9, 1934.
Lettuce. Watsonville Exchange Inc. 320,055; Dec. 18; Serial No. 355,911; published Oct. 16, 1934.
Milk, Powdered skimmed. M & R Dietetic Laboratories Inc. 320,113; Dec. 18; Serial No. 354,130; published Oct. 9, 1934.
Oleomargarin. Eckerson Company. 103,690; renewed Apr. 13, 1935.
Olive-oil. Aprea Bros. 99,883; renewed Sept. 22, 1934.
Olive oil. L. Garbini. 320,268; Dec. 18; Serial No. 354,681; published Oct. 16, 1934.
Vegetable oil. B. Filippone & Company. 320,118; Dec. 18; Serial No. 353,213; published Oct. 9, 1934.

CLASS 47

Wine. Thrifty Drug Co. Ltd. 320,116; Dec. 18; Serial No. 353,158; published Oct. 9, 1934.
Wines. B. Cella. 320,130; Dec. 18; Serial No. 351,964; published Oct. 9, 1934.
Wines. Cresca Company, Incorporated. 320,132; Dec. 18; Serial No. 352,070; published Aug. 28, 1934.
Wines. Florido Hermanos. 320,274; Dec. 18.
Wines. Hay & Son, Limited. 320,092; Dec. 18; Serial No. 355,261; published Oct. 9, 1934.
Wines. Maison F. Chauvenet S. A. 320,149; Dec. 18; Serial No. 347,620; published Oct. 9, 1934.
Wines. Maison F. Chauvenet S. A. 320,150; Dec. 18; Serial No. 347,622; published Oct. 9, 1934.
Wines. Picker-Linz Importers, Inc. 320,281; Dec. 18.
Wines. Shenley Wine & Spirit Corporation. 320,128; Dec. 18; Serial No. 351,876; published Oct. 9, 1934.
Wines. Widmer's Wine Cellars, Inc. 320,147; Dec. 18; Serial No. 346,798; published Oct. 9, 1934.
Wines, Red and white. Bloomingdale Bros. 103,148; renewed Mar. 16, 1935.

CLASS 48

Ale, Whitbread and Company. 320,200; Dec. 18; Serial No. 352,882; published Oct. 9, 1934.
Ales, beers, lagers, etc. John Labatt, Limited. 320,071; Dec. 18; Serial No. 355,678; published Oct. 9, 1934.
Beer. Food City Brewing Company. 320,239; Dec. 18; Serial No. 354,650; published Oct. 9, 1934.
Beer. Goebel Brewing Co. 320,069; Dec. 18; Serial No. 355,702; published Oct. 16, 1934.
Beer. Haake-Beck Brauerei Aktiengesellschaft. 320,096; Dec. 18; Serial No. 354,988; published Oct. 16, 1934.
Beer. Lancaster Brewing Company. 320,022; Dec. 18; Serial No. 355,439; published Oct. 9, 1934.
Beer clarifiers. Jacques Wolf & Co. 320,126; Dec. 18; Serial No. 351,597; published Oct. 9, 1934.
Malt beverages. Abner Drury Brewery, Inc. 320,226; Dec. 18; Serial No. 335,269; published July 4, 1933.
Malt beverages. Miami Valley Brewing Company. 320,047; Dec. 18; Serial No. 355,943; published Oct. 16, 1934.
Malt beverages. Pschorrbräu Aktiengesellschaft München. 320,209–10; Dec. 18; Serial Nos. 353,143–4; published Oct. 9, 1934.
Malt beverages. Sunrise Brewing Company. 320,064; Dec. 18; Serial No. 355,744; published Oct. 9, 1934.
Sake (sä'kē), Japanese Brewed. Kabushikikaisha Honkano Shoten. 320,161; Dec. 18; Serial No. 351,213; published Oct. 9, 1934.

CLASS 49

Brandies. M. A. G. E. L. Bisquit. 320,199; Dec. 18; Serial No. 352,865; published Oct. 16, 1934.
Brandy. Pacific Distillers Corporation. 320,143; Dec. 18; Serial No. 345,507; published Oct. 9, 1934.
Brandy. St. George Winery. 320,056; Dec. 18; Serial No. 355,872; published Oct. 16, 1934.
Brandy and alcoholic cordials. Old Monk Olive Oil Co. 320,138; Dec. 18; Serial No. 352,753; published Oct. 9, 1934.
Brandy and whiskey. George Benz Sons, Inc. 320,074; Dec. 18; Serial No. 355,659; published Oct. 9, 1934.
Brandy. Applejack. Dutchess County Cider Corp. 320,143; Dec. 18; Serial No. 355,469; published Oct. 9, 1934.
Brandy, Cherry. W. S. P. Grant. 320,233; Dec. 18; Serial No. 354,611; published Oct. 16, 1934.
Cocktails, Alcoholic distilled. Tanqueray, Gordon & Co. Limited. 320,173; Dec. 18; Serial No. 342,366; published Dec. 12, 1933.
Cognac and creme de menthe. Strohmeyer & Arpe Company. 320,197; Dec. 18; Serial No. 349,597; published Oct. 16, 1934.
Cordial, Mixed fruit. James Van Dissen Distilling Co. 320,075; Dec. 18; Serial No. 355,649; published Oct. 9, 1934.
Cordials, Alcoholic. Arrow Distilleries, Inc. 320,155; Dec. 18; Serial No. 350,313; published Oct. 16, 1934.
Cordials, Alcoholic. Societa in Accomandita Semplice A. Perticucci & Figli. 320,127; Dec. 18; Serial No. 351,828; published Oct. 16, 1934.
Gin. Brunswig Drug Co. 320,269; Dec. 18; Serial No. 354,673; published Oct. 16, 1934.
Gin. Gooderham & Worts Limited. 320,004; Dec. 18; Serial No. 354,794; published Oct. 9, 1934.
Gin. Kienzler Distilling Corporation. 320,216; Dec. 18; Serial No. 356,007; published Oct. 16, 1934.
Gin. Owl Drug Co. 320,080; Dec. 18; Serial No. 355,636; published Oct. 9, 1934.
Gin. Owl Drug Co. 320,245; Dec. 18; Serial No. 355,635; published Oct. 9, 1934.
Gin. Patterson & Coane, Inc. 320,029; Dec. 18; Serial No. 355,520; published Oct. 9, 1934.
Gin. United Spirit & Wine Import Corp. 320,039; Dec. 18; Serial No. 355,453; published Oct. 9, 1934.
Gin and whiskey. Chesapeake Distilling and Distributing Company. 320,021; Dec. 18; Serial No. 355,424; published Oct. 9, 1934.
Gin and whiskey. Chesapeake Distilling and Distributing Company. 320,058; Dec. 18; Serial No. 355,779; published Oct. 9, 1934.
Gin and whiskey. Fairfield Liquor Company. 320,162; Dec. 18; Serial No. 351,262; published Oct. 16, 1934.
Gin, whiskey, and brandy. Goodman & Beer Co., Inc. 320,070; Dec. 18; Serial No. 355,679; published Oct. 9, 1934.
Gin, whiskey, and brandy. Goodman & Beer Co., Inc. 320,072; Dec. 18; Serial No. 355,671; published Oct. 9, 1934.
Liquor prepared from herbs with distilled spirits. J. M. Legendre. 320,154; Dec. 18; Serial No. 348,885; published Oct. 9, 1934.
Punches, Alcoholic. Tom Collins Corporation. 320,265; Dec. 18; Serial No. 354,562; published Oct. 9, 1934.
Rum. F. de la Guardia. 320,105; Dec. 18; Serial No. 354,979; published Oct. 16, 1934.
Rum. Justo Gonzalez y Cia., S. A. 320 153; Dec. 18; Serial No. 348,381; published Oct. 9, 1934.
Whiskey. American Medicinal Spirits Company. 320,053; Dec. 18; Serial No. 355,925; published Oct. 16, 1934.
Whiskey. W. G. Bond, Inc. 320,062; Dec. 18; Serial No. 355,753; published Oct. 16, 1934.
Whiskey. Calvert Distilling Company. 320,097–8; Dec. 18; Serial Nos. 354,836–7; published Oct. 9, 1934.
Whiskey. Century Distilling Co. 320,217; Dec. 18; Serial No. 356,024; published Oct. 16, 1934.
Whiskey. James Clark Distilling Corporation. 320,061; Dec. 18; Serial No. 355,757; published Oct. 9, 1934.
Whiskey. James Clark Distilling Corporation. 320,111; Dec. 18; Serial No. 354,112; published Oct. 16, 1934.
Whiskey. James Clark Distilling Corporation. 320,190; Dec. 18; Serial No. 353,913; published Oct. 16, 1934.
Whiskey. Daviess County Distilling Company. 320,215; Dec. 18; Serial No. 355,998; published Oct. 16, 1934.
Whiskey. Distillers and Brewers Products Corporation. 320,060; Dec. 18; Serial No. 355,758; published Oct. 9, 1934.
Whiskey. Frankfort Distilleries, Incorporated. 320,073; Dec. 18; Serial No. 355,669; published Oct. 9, 1934.
Whiskey. Glinbel Brothers, Inc. 320,208; Dec. 18; Serial No. 353,128; published Oct. 9, 1934.
Whiskey. M. S. Griffler Import Co., Inc. 320,103; Dec. 18; Serial No. 354,931; published Oct. 16, 1934.
Whiskey. E. O. Jackson and Company. 320,084; Dec. 18; Serial No. 355,065; published Oct. 16, 1934.
Whiskey. E. O. Jackson and Company. 320,085; Dec. 18; Serial No. 355,067; published Oct. 16, 1934.
Whiskey. Bulloch Lade & Company. 320,177; Dec. 18; Serial No. 344,386; published Oct. 9, 1934.
Whiskey. Maryland Distillery, Incorporated. 320,196; Dec. 18; Serial No. 349,424; published Oct. 16, 1934.
Whiskey. Pacific Beverage Distributors Ltd. 320,025; Dec. 18; Serial No. 355,496; published Oct. 9, 1934.
Whiskey. Records & Goldsborough. 320,166; Dec. 18; Serial No. 339,284; published Aug. 1, 1933.
Whiskey. Joseph E. Seagram & Sons, Inc. 320,036–7; Dec. 18; Serial Nos. 355,584–5; published Oct. 16, 1934.
Whiskey. A. Sherman Mfg. Co. 320,046; Dec. 18; Serial No. 355,949; published Oct. 16, 1934.
Whiskey. A. Sherman Mfg. Co. 320,065; Dec. 18; Serial No. 355,743; published Oct. 9, 1934.
Whiskey. A. Sherman Mfg. Co. 320,078–9; Dec. 18; Serial Nos. 355,638–9; published Oct. 9, 1934.
Whiskey. A. Sherman Mfg. Co. 320,211; Dec. 18; Serial No. 355,950; published Oct. 16, 1934.
Whiskey. J. Simon & Sons, Inc. 320,076–7; Dec. 18; Serial Nos. 355,643–4; published Oct. 9, 1934.
Whiskey. J. Wagner. 320,224; Dec. 18; Serial No. 356,060; published Oct. 16. 1934.
Whiskey. Hiram Walker & Sons, Inc. 320,263; Dec. 18; Serial No. 354,531; published Oct. 16, 1934.
Whiskey. W. and H. Walker, Inc. 320,026; Dec. 18; Serial No. 355 500; published Oct. 9, 1934.
Whiskey. Thomas Ward Distilling Company. 320,204; Dec. 18; Serial No. 353,098; published Oct. 16, 1934.

Whiskey. Washington Wine & Spirits Corporation. 320,068; Dec. 18; Serial No. 355,718; published Oct. 16, 1934.
Whiskey. Western Distillers Corporation. 320,054; Dec. 18; Serial No. 355,920; published Oct. 16, 1934.
Whiskey. Winand-Pikesville Distillery Company. 320,031; Dec. 18; Serial No. 355,552; published Oct. 9, 1934.
Whiskey and gin. Acker, Merrall and Condit Company. 320,063; Dec. 18; Serial No. 355,748; published Oct. 9, 1934.
Whiskey and gin. Kienzler Distilling Corporation. 320,066; Dec. 18; Serial No. 355,737; published Oct. 9, 1934.
Whiskey and gin. Sterling Wine and Liquor Corp. 320,030; Dec. 18; Serial No. 355,523; published Oct. 9, 1934.
Whiskey and other potable distilled spirits. Schenley Products Company. 320,176; Dec. 18; Serial No. 344,063; published Jan. 9, 1934.
Whiskey, brandy, and gin. Raritan Distillers Corp. 320,220–3; Dec. 18; Serial Nos. 356,049–52; published Oct. 16. 1934.
Whiskey, brandy, gin, etc. Empresas Ibericas, S. A. 320,144; Dec. 18; Serial No. 345,758; published Oct. 16, 1934.
Whiskey, brandy, gin, etc. Imperial Distilling Corporation. 320,044; Dec. 18; Serial No. 355,474; published Oct. 16. 1934.
Whiskey, brandy, gin, etc. Geo. T. Stagg Co. 320,164; Dec. 18; Serial No. 341,308; published Oct. 24, 1933.
Whiskey, gin, brandy, etc. Montebello Distillers, Incorporated. 320 023; Dec. 18; Serial No. 355,490; published Oct. 9, 1934.
Whiskey, gin, brandy, etc. Montebello Distillers, Incorporated. 320,241; Dec. 18; Serial No. 355,628; published Oct. 9, 1934.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 320,088; Dec. 18; Serial No. 355,173; published Oct. 9, 1934.
Whiskey, gin, rum, etc. Jos. S. Finch & Company. 320,212; Dec. 18; Serial No. 355,965; published Oct. 16, 1934.
Whiskey, gin, rum, etc. Franklin Stores Co. 320,159; Dec. 18; Serial No. 351,061; published Oct. 16, 1934.
Whiskey, gin, rum, etc. Interstate Distillers, Inc. 320,006; Dec. 18; Serial No. 355,315; published Oct. 16. 1934.
Whiskey, gin, rum, etc. Interstate Distillers, Inc. 320,067; Dec. 18; Serial No. 355,704; published Oct. 9, 1934.
Whiskey, gin, rum, etc. Majestic Distilling Company. 320,035; Dec. 18; Serial No. 355,573; published Oct. 16, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 320,024; Dec. 18; Serial No. 355,493; published Oct. 9. 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 320,213–14; Dec. 18; Serial Nos. 355,972–3; published Oct. 16, 1934.
Whiskey, gin, rum, etc. Star Liquor Dealers, Inc. 320,037; Dec. 18; Serial No. 355,861; published Oct. 16, 1934.
Whiskey, gin, rum, etc. Theodore G. Stein, Inc. 320,198; Dec. 18; Serial No. 353,547; published Aug. 7, 1934.
Whiskey, gin, rum, etc. United Distillers (of America) Ltd. 320,009–11; Dec. 18; Serial Nos. 355,333–5; published Oct. 16, 1934.
Whiskey, Rye. General Distilleries Corporation. 320,218; Dec. 18; Serial No. 356,030; published Oct. 16, 1934.
Whiskey, Rye. General Distilleries Corporation. 320,219; Dec. 18; Serial No. 356,032; published Oct. 16, 1934.
Whisky. I. W. Hunter. 320,120; Dec. 18; Serial No. 353,275; published Oct. 9, 1934.

CLASS 50

Fabrics for fly-swatters, and fly-swatters. U. S. Manufacturing Corporation. 320,093; Dec. 18; Serial No. 355,277; published Oct. 9, 1934.

LIST OF LABELS

An Agreeable Refrigerant and Laxative. For Citrate of Magnesia. Sterling Magnesia Co. 44,802; Dec. 18.
Bright Eyes Eyebrow Pencil with Sharpener for Smart Eyebrows. For Eyebrow Pencils with Sharpener Attachment. S. H. Kress & Co. 44,776; Dec. 18.
Buss Clear Window Fuses. For Electric Fuses. Bussmann Mfg. Co. 44,759; Dec. 18.
Celery for Energy. For Celery. W. Hyams. 44,767; Dec. 18.
Celestin Mariel. For Cognac. B. I. Houghton. 44,765; Dec. 18.
Collette. For Wire Springs. Huff Company. 44,766; Dec. 18.
Face-Fun Felt-O-Grams. For Games. Poster Products Inc. 44,782; Dec. 18.
Fashion Footwear. For Footwear. Bird & Son, Inc. 44,757; Dec. 18.
Gold Medal Staples. For Boxes of Staples. Markwell Manufacturing Company, Inc. 44,779; Dec. 18.
Great Dane. For Straight Rye Whiskey. Thomas Moore Distributing Company. 44,803; Dec. 18.
Indin-Homa. For Flour. Yukon Mill and Grain Company. 44,823; Dec. 18.
Kellogg's Corn Flakes—The Battle at the Tomb as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,770; Dec. 18.
Kellogg's Corn Flakes—The Bell of Atri as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,772; Dec. 18.
Kellogg's Corn Flakes—The Boy Hero of Harlaam as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,773; Dec. 18.
Kellogg's Corn Flakes—The Lost Falcon as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,769; Dec. 18.
Kellogg's Corn Flakes—The Miracle of the Sword as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,774; Dec. 18.
Kellogg's Corn Flakes—The Ninth Diamond as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,768; Dec. 18.
Kellogg's Corn Flakes—The Sword of Damocles as Told by Kellogg's Adventurer. For Ready-to-Eat Cereal Food. Kellogg Company. 44,771; Dec. 18.
Kellogg's Corn Flakes—The Wooden Horse of Troy. For Ready-to-Eat Cereal Food. Kellogg Company. 44,775; Dec. 18.
Kroger's Quality Bacon. For Bacon. Kroger Grocery & Baking Company. 44,777; Dec. 18.
Loly-Lax. The Laxative on a Stick. For Laxative. Loly-Lax Co. 44,778; Dec. 18.
Lynden Brand Boneless Chicken. For Boneless Chicken. Washington Co-operative Egg & Poultry Association. 44,808; Dec. 18.
Lynden Brand Boneless Chicken. For Boneless Chicken. Washington Co-operative Egg & Poultry Association. 44,810; Dec. 18.
Lynden Brand Boneless Roast Chicken and Broth. For Boneless Roast Chicken and Broth. Washington Co-operative Egg & Poultry Association. 44,809; Dec. 18.
Lynden Brand Chicken a la King. For Chicken a la King. Washington Co-operative Egg & Poultry Association. 44,807; Dec. 18.
Lynden Brand Chicken and Egg Noodles. For Chicken and Egg Noodles. Washington Co-operative Egg & Poultry Association. 44,805; Dec. 18.
Lynden Brand Chicken Broth. For Chicken Broth. Washington Co-operative Egg & Poultry Association. 44,812; Dec. 18.
Lynden Brand Chicken Sandwich Spread. For Chicken Sandwich Spread. Washington Co-operative Egg & Poultry Association. 44,811; Dec. 18.
Lynden Brand Chicken Tamale. For Chicken Tamale. Washington Co-operative Egg & Poultry Association. 44,806; Dec. 18.
Markwell Staples. For Boxes of Staples. Markwell Manufacturing Company Inc. 44,780; Dec. 18.
Medaglia D'Oro. For Coffee. S. A. Schonbrunn & Co., Inc. 44,796; Dec. 18.
Milk-I-Dent Dental Cream. For Dental Cream. Trade Laboratories, Inc., The. 44 804; Dec. 18.
Neutsu. For Herb Tea. F. J. Brough. 44,758; Dec. 18.
Old Catskill. For Apple Brandy. Greene County Fruit Distillery, Inc. 44,763; Dec. 18.
Old Faithful. For Pale Beer. Gallatin Brewing Co. 44,762; Dec. 18.
Queen of the West. For Flour. Yukon Mill and Grain Company. 44,824; Dec. 18.
Salada Blue Label. For Black Tea. Salada Tea Co. (Inc.) 44,787–8; Dec. 18.
Salada Blue Label. For Mixed Tea. Salada Tea Co. (Inc.) 44,789–90; Dec. 18.
Salada Blue Label. For Green Tea. Salada Tea Co. (Inc.) 44,791–2; Dec. 18.
Salada Gold Label. For Black Tea. Salada Tea Co. (Inc.) 44,783–4; Dec. 18.
Salada Japan Tea. For Green Japan Tea. Salada Tea Co. (Inc.) 44,793; Dec. 18.
Salada Red Label. For Mixed Tea. Salada Tea Co. (Inc.) 44,785–6; Dec. 18.
Salada Red Label. For Green Tea. Salada Tea Co. (Inc.) 44,794; Dec. 18.
Salem Beer. For Beer. Salem Brewery Association. 44,795; Dec. 18.
Save Your Cups. For Safety Cup-Hooks. J. T. Haig. 44,764; Dec. 18.
Scotty Allan's Dog Food. For Dog Food. H. Moffat Co. 44,781; Dec. 18.
Sears Footwear. For Footwear. Bird & Son, Inc. 44,756; Dec. 18.
Signorina. For Tomato Paste. Contadina Brokerage & Distributing Co. 44,761; Dec. 18.
Sparkling Club Soda. For a Lithiated and Siphonated Sparkling Water. Starman Syphon Manufacturing Co., Inc. 44,801; Dec. 18.

Sportocasin. For Footwear. Bird & Son, Inc. 44,755; Dec. 18.
Tender Leaf (12-One Gallon). For Tea Bags. Standard Brands Incorporated. 44,798; Dec. 18.
Tender Leaf (12 Packages). For Tea Balls. Standard Brands Incorporated. 44,799; Dec. 18.
Tender Leaf (12-Two Gallon). For Tea Bags. Standard Brands Incorporated. 44,797; Dec. 18.
Tender Leaf (24 Packages). For Tea Balls. Standard Brands Incorporated. 44,800; Dec. 18.
White's Champion. For Chili Con Carne without Beans. Champion Chili Company. 44,760; Dec. 18.
Yukon's Best. For Flour. Yukon Mill and Grain Company. 44,818; Dec. 18.
Yukon's Best. For Self-Rising Flour. Yukon Mill and Grain Company. 44,819; Dec. 18.
Yukon's Good Luck. For Flour. Yukon Mill and Grain Company. 44,822; Dec. 18.
Yukon's Good Luck. For Self-Rising Flour. Yukon Mill and Grain Company. 44,825; Dec. 18.
Yukon's Great Rock Island. For Flour. Yukon Mill and Grain Company. 44,827; Dec. 18.
Yukon's Oklahoma Made. For Self-Rising Flour. Yukon Mill and Grain Company. 44,816; Dec. 18.
Yukon's Quality. For Our Banner Flour. Yukon Mill and Grain Company. 44,828; Dec. 18.
Yukon's Queen of the West. For Self-Rising Flour. Yukon Mill and Grain Company. 44,813; Dec. 18.
Yukon's Southern Daisy. For Self-Rising Flour. Yukon Mill and Grain Company. 44,814; Dec. 18.
Yukon's Southern Star. For Flour. Yukon Mill and Grain Company. 44,826; Dec. 18.
Yukon's Verifine. For Self-Rising Flour. Yukon Mill and Grain Company, 44,820; Dec. 18.
Yukon's Veri-Fine. For Flour. Yukon Mill and Grain Company. 44,821; Dec. 18.
Yukon's Verifine. For White Cream Meal. Yukon Mill and Grain Company. 44,829; Dec. 18.
Yukon's Western. For Flour. Yukon Mill and Grain Company. 44,815; Dec. 18.
Yukon's Western. For Self-Rising Flour. Yukon Mill and Grain Company. 44,817; Dec. 18.

LIST OF PRINTS

Carson's Presents the Outstanding Coat Successes in a Great October Event. For Ladies' Ready-to-Wear Coats. Carson Pirie Scott & Company. 14,942; Dec. 18.
Do You Need a Systematic Invigorating Agent—New Vital Force? For Malt Tonic. Premier-Pabst Corporation. 14,959; Dec. 18.
Eat Ry-Krisp If You Want a Figure Like the Movie Stars Says Mme. Sylvia of Hollywood. (Floor Stand). For Food for Human Consumption. Ralston Purina Company. 14,966; Dec. 18.
Everybody Says—"This Is a Better Ale." (Ad No. 2811). For Ale. Premier-Pabst Corporation. 14,961; Dec. 18.
5 Times as Much Vitamin "B" and "G" as Average Meal! For Malt Tonic. Premier-Pabst Corporation. 14,955; Dec. 18.
Good News Travels Fast! (Ad No. 2806.) For Ale. Premier-Pabst Corporation. 14,959; Dec. 18.
Grand on First Taste, and Grander the Better You Know It. (Ad No. 3.) For Ale. Premier-Pabst Corporation. 14,951; Dec. 18.
Here's Needed Strength for Nursing Mothers. For Malt Tonic. Premier-Pabst Corporation. 14,956; Dec. 18.
Here's the Way to Build up Your Appetite—Try It! For Malt Tonic. Premier-Pabst Corporation. 14,958; Dec. 18.
I Vant the Most I Can Get of the Best There Is. Dot's Vy I Vant Blue Ribbon Malt. For Malt Extract. Premier-Pabst Corporation. 14,953; Dec. 18.
Mothers! Here's a Hot Cereal Children Love to Eat—Tom Mix. (Floor Stand.) For a Cereal. Ralston Purina Company. 14,967; Dec. 18.
North East West South. (Ad No. 157.) For Beer. Premier-Pabst Corporation. 14,954; Dec. 18.
Off the "High Board" Without Fear. For Dentifrice. McKesson & Robbins, Inc. 14,947; Dec. 18.
People Are Now Asking! Why Didn't Somebody Brew an Ale Like This Before? (Ad No. 3805.) For Ale. Premier-Pabst Corporation. 14,964; Dec. 18.
Picture of a Man Who Has Just Wasted 3 Minutes. For Dentifrice. McKesson & Robbins, Inc. 14,948; Dec. 18.
She Takes the Curves Fast. For Dentifrice. McKesson & Robbins, Inc. 14,946; Dec. 18.
Specialists in Foot Comfort. For Shoes. Orthopedic Shoes Inc. 14,949; Dec. 18.
Sunfame Coal. For Coal. Airco Coals, Inc. 14,941; Dec. 18.
$10,000.00 in Real Cash Given Free for Writing Last Lines to the Limerick on This Page. For Flour. General Mills, Inc. 14,944; Dec. 18.
There's a Brand New, Grand New Treat in Store for You! For Ale. Premier-Pabst Corporation. 14,950; Dec. 18.
There's a Brand New Grand Taste in Town! (Ad No. 5801.) For Ale. Premier-Pabst Corporation. 14,965; Dec. 18.
They're All Saying—"It is a Brand New, Grand New Taste!" (Ad No. 3803.) For Ale. Premier-Pabst Corporation. 14,963; Dec. 18.
25 Cents a Bottle to Your Customers—40% Profit to You Pabstonic. For Malt Tonic. Premier-Pabst Corporation. 14,952; Dec. 18.
What to Do About the Man Who's Grouchy at the Table. For Biscuit Flour. General Mills, Inc. 14,945; Dec. 18.
When Good Fashions Get Together in Such Variety as These, It's a Carson's Selling of Frocks. For Ladies' Ready-to-Wear Frocks. Carson Pirie Scott & Company. 14,943; Dec. 18.
When Your Taste is Jaded—"Try This Grand New, Better Ale!" (Ad No. 2808.) For Ale. Premier-Pabst Corporation. 14,960; Dec. 18.
Whenever You're Tense, R-E-L-A-X This Delightful Way! For Beer. Premier-Pabst Corporation. 14,962; Dec. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Charles W., Larchmont, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric wiring system. 1,984,355; Dec. 18.
Abbott, Charles W., Larchmont, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric wiring system. 1,984,356; Dec. 18.
Abbott, Walter G. (See Rourke, Alfred E., assignor.)
Accounting & Tabulating Corporation, The. (See Brougham, Leslie E., assignor.)
Aceta, G. m. b. H. (See Friederich, A., and Schlack, assignors.)
Aceves, Julius G., assignor, by mesne assignments, to L. G. Pacent, New York, N. Y. Tone control. 1,984,357; Dec. 18.
Aceves, Julius G., assignor, by mesne assignments, to L. G. Pacent, New York, N. Y. Compensated amplifier. 1,984,450; Dec. 18.
Ackley, Raymond E., assignor to R. R. Donnelley & Sons Co., Chicago, Ill. Inserting and wrapping machine. 1,984,955; Dec. 18.
Acme Steel Company. (See Ott, John E., assignor.)
Aeolian-Skinner Organ Company, Inc. (See Cheek, Tolbert F., assignor.)
Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)
Agfa Ansco Corporation. (See von Biehler, Arpad, assignor.)
Air Reduction Company, Incorporated. (See Crowe, John J., assignor.)
Air Reduction Company, Incorporated. (See Deming, George M., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Wistrand, Gunnar, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Brunner, Gustav, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Greco, Alfredo, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Plechl, Otto, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See van Gastel, Albertus, assignor.)
Alamo Coal Company. (See Young, Charles A., assignor.)
Alco Products, Incorporated. (See Cooke, M. B., and Schutt, assignors.)
Allen, George F., Atlanta, Ga. Variable speed drive. 1,985,135; Dec. 18.
Allen, Mark W., & Company. (See Spence, James E., assignor.)
Allen, Scott E., and O. N. Wiswell, Los Angeles, Calif., assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Release valve. 1,984,510; Dec. 18.
Alterio, Eugene, and J. F. Clements, New York, N. Y. Self-equalizing brake mechanism for vehicles. 1,984,352; Dec. 18.
Altheimer, Ben, assignor to M. Altheimer, University City, Mo. Paper radiator shield. 1,985,008; Dec. 18.
Altheimer, Myrtle. (See Altheimer, Ben, assignor.)
Aluminum Company of America. (See Derr, Ralph B., assignor.)
Aluminum Company of America. (See Derr, R. B., and Willmore, assignors.)
American Box Board Company. (See Hazard, T. C., and Anderson, assignors.)
American Cable Company, Inc. (See Burd, Gorman C., assignor.)
American Chain Company, Inc. (See Nalle, John M., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Lurgi Corporation. (See Klencke, Hans, assignor.)
American Machine & Foundry Company. (See Schmitt, Frank R., assignor.)
American Machine and Metals, Inc. (See de Bothezat, George, assignor.)
American-National Company, The. (See van Doren, H. L., and Rideout, assignors.)
American Optical Company. (See Browning, Ralph R., assignor.)
American Oxythermic Corporation. (See Fränkl, Mathias, assignor.)
American Sheet and Tin Plate Company. (See Dahl, L. S., and Peet, assignors.)
American Steel and Wire Company of New Jersey. (See Gleason, George A., assignor.)
American Steel and Wire Company of New Jersey. (See Hauck, Otto, assignor.)
American Steel and Wire Company of New Jersey, The. (See Hood, Clifford F., assignor.)
American Steel and Wire Company of New Jersey. (See Quarnstrom, Theodore V., assignor.)
American Steel and Wire Company of New Jersey, The. (See Thomas, Edward, assignor.)
American Steel and Wire Company of New Jersey, The. (See Wallsten, Walfred A., assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Telephone and Telegraph Company. (See Bailey, Austin, assignor.)
American Telephone and Telegraph Company. (See Carson, Arthur, assignor.)
Ames, Raymond A. (See Babin, W. C., and Ames.)
Amoo, Lloyd R., Morristown, S. Dak. Air heating attachment for vacuum cleaners. 1,985,136; Dec. 18.
Andersen, George F. (See Jones, C. W., Murray, and Andersen.)
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Buckle. 1,984,856; Dec. 18.
Anderson, James W., Los Angeles, assignor to Anderson Manufacturing Company, Hollywood, Calif. Multiview camera shutter. 1,984,620; Dec. 18.
Anderson Manufacturing Company. (See Anderson, James W., assignor.)
Anderson, Rudolph J., and M. S. Newman, assignors to The New Haven Dispensary, New Haven, Conn. Making hydroxyquinone compounds. 1,984,511; Dec. 18.
Anderson, Russell G. (See Blazek, J. Y., and Anderson.)
Anderson-Tully Company. (See Ward, Neil C., assignor.)
Anderson, Walter A., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Electric contact governor. 1,984,512; Dec. 18.
Anderson, Wilbur G. (See Hazard, T. C., and Anderson.)
Andrews, E. J. (See Krag, Erik L., assignor.)
Andrus, Harold L. (See Clark, E. S., and Andrus.)
Angelus, Louis, New York, and D. L. Baylis, Long Island, N. Y.; said Baylis assignor to said Angeles. Dry cleaning apparatus. 1,984,513; Dec. 18.
Angier, Edward H., assignor to E. H. Angier, as trustee, Framingham, Mass. Waterproof sheet material. 1,984,910; Dec. 18.
Anglim, Thomas W., Dunkirk, N. Y. Apparatus for pasteurizing milk. 1,984,956; Dec. 18.
Anker, L., Maschinenfabrik. (See Heilbrunn, Alfred, assignor.)
Anker-Werke Aktiengesellschaft. (See Thomas, August, assignor.)
Anschütz, Hellmut, Berlin-Schmargendorf, Germany, assignor to General Electric Company. Electric timing circuit. 1,985,069; Dec. 18.
Anzlovar, Rudolph C., Brooklyn, N. Y. Toy locomotive chugger. 1,985,137; Dec. 18.
Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,064; Dec. 18.
Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,065; Dec. 18.
Ashby, William R. C., Ightham, England. Apparatus for eviscerating chickens and other birds. 1,984,562; Dec. 18.
Ashton, Ward. (See Ker, J. O., and Ashton.)
Ashworth, Walter W., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control system. 1,985,007; Dec. 18.
Associated Electric Laboratories, Inc. (See Hudd, Alfred E., assignor.)
Associated Electric Laboratories, Inc. (See Murray, James S., assignor.)
Associated Electric Laboratories, Inc. (See Rummelt, Reuben, assignor.)
Ateliers de Constructions Electriques de Delle. (See Clerc, André, assignor.)
Atlas Mineral Products Company, The. (See Gates, Edwin B., assignor.)
Austro-Daimler-Puchwerke A. G. (See Kasper, Walter F., assignor.)
Au-Vol-Col Corporation. (See Collison, John G., assignor.)
Avery, Frederick J. (See Howell, R. C., and Avery.)
Axtell, Clinton J., Erie, Pa., assignor to General Electric Company. System of motor control. 1,985,070; Dec. 18.
B. V. D. Company, Inc., The. (See Heyn, Robert E., assignor.)
Babcock, Henry S., et al. (See French, John P., assignor.)
Babin, Whitney C., assignor to Beaumont Texan Tool Company, Beaumont, Tex. Make-up tong. 1,984,621; Dec. 18.
Babin, Whitney C., assignor to Beaumont Texan Tool Company, Beaumont, Tex. Combination make-up and break-out tong. 1,984,622; Dec. 18.

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Babin, Whitney C., and R. A. Ames, assignors to Beaumont Texan Tool Company, Beaumont, Tex. Automatic tong. 1,984,623; Dec. 18.

Baggs, Charles B., assignor to Romac Motor Accessories Limited, London, England. Windscreen wiper for automobiles and the like. 1,985,071; Dec. 18.

Bagley, William H., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Forming connecting rods. 1,984,624; Dec. 18.

Bailey, Austin, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Short wave radio signaling. 1,984,451; Dec. 18.

Baker, Bertram E., Boston, Mass. Wax paper package. 1,984,780; Dec. 18.

Baker, Greeley, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,984,563; Dec. 18.

Baker, J. M., Pattern Company, Inc. (See Corley, John T., assignor.)

Baldauf, Gustav, Munich, Germany. Production of facings of pressed cork for rollers, drums, pulleys, and the like. 1,984,625; Dec. 18.

Balle, Gerhard. (See Daimler, K., and Balle.)

Ballew, Elmer L., Chicago, Ill. Racing apparatus. 1,984,452; Dec. 18.

Bancroft, Albert F., Newton, assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,066; Dec. 18.

Bancroft Walker Co. (See Arkin, Bertha, assignor.)

Bancroft Walker Co. (See Bancroft, Albert F., assignor.)

Bancroft Walker Co. (See Cohan, Alice, assignor.)

Bancroft Walker Co. (See Weidner, Willy, assignor.)

Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer and making the same. 1,984,819; Dec. 18.

Banks William H., jr., Boston, and W. A. Graham, Saugus, assignors to The Macallen Company, Boston, Mass. Mica insulator. 1,984,911; Dec. 18.

Banning, Thomas A., jr., Wilmette, assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill. Refrigerating car. 1,984,912; Dec. 18.

Bannister, Clyde E., Akron, Ohio. Well boring machine. Re19,397; Dec. 18.

Banta, Len A., Clearfield, Pa. Refrigerating apparatus. 1,985,138; Dec. 18.

Barber Asphalt Company, The. (See Hayden, Harold P., assignor.)

Barber, William H., Buffalo, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,984,857; Dec. 18.

Barclay, William R. (See Bates, A., Barclay, and Hazelton.)

Barger, Paul, Greenfield, Mass. Wick. 1,984,719; Dec. 18.

Barrett Company, The. (See Harshberger, Norman P., assignor.)

Barske, Ulrich, assignor to F. Kruckenberg and C. Stedefeld, Hannover, Germany. Individual two- or multistage axle drive for rail vehicles with Föttinger gears. 1,984,958; Dec. 18.

Barthelemy, René, Fontenay-aux-Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz, Montrouge, France. Electrical synchronizing device. 1,985,139; Dec. 18.

Barthen, Charles L., South Orange, assignor to Health Products Corporation, Newark, N. J. Separating or extracting from oils and fats the unsaponifiable fraction possessing the vitamin potency present therein. 1,984,858; Dec. 18.

Bassett, Robert S., Buffalo, N. Y. Liquid pump. 1,984,391; Dec. 18.

Bates, Arthur, W. R. Barclay, and G. Hazelton, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe parts. 1,984,453; Dec. 18.

Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro baseline. 1,984,859; Dec. 18.

Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Device for illuminating microscopic objects with incident light. 1,985,072; Dec. 18.

Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Nose-piece for microscope objectives. 1,985,073; Dec. 18.

Bauersfeld, Walther, assignor to Carl Zeiss, Jena, Germany. Illumination system. 1,985,074; Dec. 18.

Baumann, Paul, Ludwigshafen-on-the-Rhine, R. Stadler, Ziegelhausen, and H. Schilling and H. Bückert, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetylene. 1,984,957; Dec. 18.

Baumann, Walter. (See Herold, P., and Baumann.)

Baylis, Daniel L. (See Angelus, L., and Baylis, assignor.)

Bay State Optical Company. (See Nerney, George E., assignor.)

Beach, Norman F. (See McNally, J. G., and Beach.)

Beam, Charles C., Pittsburgh, Pa. Food container or similar device. Des. 94,067; Dec. 18.

Beard, Lawrence O., Lancaster, Pa. Tool for removing ridges. 1,984,959; Dec. 18.

Beard, Lawrence O., Lancaster, Pa. Tool for removing bearings. 1,984,960; Dec. 18.

Beattie, Thomas W. C., Pittsburgh, Pa., assignor to National Tube Company. Pipe welding apparatus. 1,984,720; Dec. 18.

Beatty, C. Earl, et al. (See Krug, Ira R., assignor.)

Beaumont Texan Tool Company. (See Babin, Whitney C., assignor.)

Beaumont Texan Tool Company. (See Babin, W. C., and Ames, assingnors.)

Becker, Earl S., Schenectady, N. Y. Fastener. 1,984,961; Dec. 18.

Beech-Nut Packing Company. (See McBean, Douglas M., assignor.)

Beitling, Bismark C., San Fernando, Calif. Electrical coil winding device. 1,984,721; Dec. 18.

Belknap, George J., assignor to The Belknap Manufacturing Co., Bridgeport, Conn. Oil sampling valve. 1,984,626; Dec. 18.

Belknap Manufacturing Co., The. (See Belknap, George J., assignor.)

Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Vehicle spring. 1,984,565; Dec. 18.

Bell, James H. (See Dinley, Clarence F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Becherer, Edwin A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Betts, Philander H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Burchett, George W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Knott, William M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lane, Clarence E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Marrison, W. A., and Meacham, assignors.)

Bell Telephone Laboratories, Incorporated. (See Melick, John M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mougey, Wilbur E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Clark, assignors.)

Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., Clark, and Hale, assignors.)

Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Laico, assignors.)

Bell Telephone Laboratories, Incorporated. (See Rumpel, Carl H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Soreny, Ernest, assignor.)

Bell Telephone Laboratories, Incorporated. (See Wiebusch, Charles F., assignor.)

Belyavin, Paul, London, England. Built-up crankshaft for reciprocating engines. 1,984,454; Dec. 18.

Bemis, Albert F., Newton, assignor to Bemis Industries Incorporated, Boston, Mass. Building heating. 1,984,781; Dec. 18.

Bemis Industries, Incorporated. (See Bemis, Albert F., assignor.)

Bendix Brake Company. (See La Brie, Ludger A., assignor.)

Benedict Stone Products Company. (See Clark, B. S., and Lowell, assignors.)

Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle twisting device. Re19,398; Dec. 18.

Bennett, Irving T., Rome, and F. C. Reynolds, New York. N. Y., assignors, by mesne assignments, to Metropolitan Engineering Company. Heating and cooling system. 1,985,009; Dec. 18.

Bergdolt, Alfred, Cologne-on-the-Rhine, and A. Schmelzer, Cologne-Mulheim-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuff containing a chrysene nucleus. 1,984,722; Dec. 18.

Berger, Friedrich W. F., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Locking mechanism for calculating machines. 1,984,723; Dec. 18.

Bergman, Donald J. (See Mather, P., and Bergman.)

Berkhuijsen, Eric H., The Hague, Netherlands. Apparatus for bringing liquids and gases into intimate contact. 1,985,010; Dec. 18.

Berkshire Knitting Mills. (See Krissiep, Max, assignor.)

Berthold Rudolf G. (See von Engel, A., Berthold, and Rüdenberg.)

Becherer, Edwin A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter apparatus. 1,985,011; Dec. 18.

Betts, Philander H., Belmar, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant temperature apparatus. 1,984,514; Dec. 18.

Beutel, Morris L. (See Buffaloe, Benjamin E., assignor.)

Bienenfeld, Jacques, Paris, France. Device for cooling bottles or similar vessels. 1,984,455; Dec. 18.

Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 1,984,913; Dec. 18.

Bigler, Fred J., Chicago, and E. J. Crane, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Brake mechanism. 1,984,515; Dec. 18.

Bird, Charles H., Ansley, near Leicester, England, assignor to General Electric Company. Packing container for various articles. 1,985,075; Dec. 18.

Birr, Rudolph G., Lombard, assignor to Precision Metal Workers, Chicago, Ill. Machine for making frozen confections. 1,984,724; Dec. 18.

Black, Joseph B. (See Sessions, L. R., and Black.)

Blackman, Roy C., Cleveland, Ohio. Apparatus for manufacturing concrete building blocks. 1,984,564; Dec. 18.

Blazek, John Y., Maple Heights, and R. G. Anderson, Cleveland, assignors to Lempco Products, Inc., Bedford, Ohio. Machine for detecting and correcting errors in articles. 1,984,627; Dec. 18.

Bleibler, Ernest, Winterthur, Switzerland, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Drying apparatus. 1,985,219; Dec. 18.

Bliss, E. W., Company. (See Krueger, Frank, assignor.)

Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Shoe fitting device. 1,985,199; Dec. 18.

Blom, Hjalmar T., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve mechanism. 1,985,140; Dec. 18.

Bobroff, Bornett L., Racine, Wis. Signal switch construction for automotive vehicles. 1,984,628; Dec. 18.

Bodendieck, Henry W., assignor to Tip's Tool Company, Inc., Taylorville, Ill. Wire clamp. 1,984,566; Dec. 18.

Boehm, William S., assignor to Lincoln Engineering Company, St. Louis, Mo. Swivel. 1,985,012; Dec. 18.

Bohli, Jakob, Solothurn, Switzerland. Regulator and cut-out relay for dynamos. 1,984,820; Dec. 18.

Bohn Aluminum & Brass Corporation. (See Bagley, William H., assignor.)

Bonamico, Charles, assignor to Spicers Limited, London, England. Sound-record cinematograph film in natural colors. 1,984,456; Dec. 18.

Bonat, Harry, assignor to S. and H. Bonat, doing business as Samuel Bonat & Bro., New York, N. Y. Electric heater for hair waving. Des. 94,068; Dec. 18.

Bonat, Samuel, & Bro. (See Bonat, Harry, assignor.)

Bond, Frank A., assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Automobile bumper. 1,984,392; Dec. 18.

Bonney, Robert D., and W. S. Egge, Glen Ridge, N. J., assignors to Congoleum-Nairn, Inc. Linoleum and manufacture. 1,985,200; Dec. 18.

Bonney, Robert D., Glen Ridge, and J. F. Maguire, South Orange, N. J., assignors to Congoleum-Nairn, Inc. Tile composition. 1,985,201; Dec. 18.

Borden Company, The. (See Weatherford, Edward, assignor.)

Boruff, Earl R., Detroit, Mich. Serval drier. 1,984,821; Dec. 18.

Boucher, Albert P., Portsmouth, N. H. Shears. 1,984,358; Dec. 18.

Bowser, S. F., & Company. (See Carlson, Carl E., assignor.)

Boysell Company, The. (See Stewart, Walter C., assignor.)

Bradbury, Clifford C., et al. (See Stokes, Charles L., assignor.)

Brainard, Horace R., Thompsonville, Conn. Producing pile fabric. 1,985,141; Dec. 18.

Brand, Harry R., New York, N. Y. Heating apparatus for griddles. 1,984,782; Dec. 18.

Brandenberger, Oskar, Zurich, Switzerland. Welding rod of copper. 1,985,142; Dec. 18.

Brecht, Charles W., Pittsburgh, Pa. Ice cream unit for electric refrigerators. 1,984,860; Dec. 18.

Brenner, George M., Chicago, Ill. Bottle. Des. 94,069; Dec. 18.

Bressler, Albert M., New York, N. Y. Shoe or similar article. Des. 94,070; Dec. 18.

Breyer, Frank G., assignor to Singmaster & Breyer, Inc., New York, N. Y. Fine dry grinding. 1,985,076; Dec. 18.

Bridgham, Arthur L., Boston, Mass. Device for producing air blasts or suction. 1,984,359; Dec. 18.

Briggs, Abel C., Wilmington, Ohio. Bridge construction. 1,984,567; Dec. 18.

Bright Star Battery Company. (See Desimone, Anthony J., assignor.)

Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,984,822; Dec. 18.

Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,984,823; Dec. 18.

Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box and frame connection. 1,984,824; Dec. 18.

Britton, Edgar C., G. H. Coleman, and G. W. Warren, assignors to the Dow Chemical Company, Midland, Mich. Treatment of chlorinated isobutane. 1,984,725; Dec. 18.

Brooks, Walter C. (See Staples, J. W., and Brooks.)

Brougham, Leslie E., Purley, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Apparatus for checking and verifying records. 1,984,516; Dec. 18.

Brown, Charles C., Spokane, Wash. Automatic garage door. 1,984,861; Dec. 18.

Brown, E. C., Co. (See Bullock, Giles E., assignor.)

Brown, H. B., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,984,825; Dec. 18.

Brown, Phillip, Brooklyn, N. Y. Interlocking building brick. 1,984,393; Dec. 18.

Brown, Roger B. (See Farley, F. S., and Brown.)

Brown, William D., Pittsburgh, Pa. Sponge iron manufacture. 1,984,727; Dec. 18.

Browning, Ralph R., assignor to American Optical Company Southbridge, Mass. Ophthalmic mounting. 1,984,914; Dec. 18.

Brownlee, John A., Wichita, Kans. Self-grading device. 1,984,726; Dec. 18.

Brunn, Walter, Dresden, and C. Kaubisch, Freital-Zaukerode, near Dresden, assignors to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Device for reversing cigarettes and similarly-shaped articles of manufacture when packing same. 1,984,962; Dec. 18.

Brunner, Gustav, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Motor control system. 1,984,915; Dec. 18.

Brus, Emile P. (See Strang, J. J., and Brus.)

Bryan, Charles S. (See Fiske, A. H., and Bryan.)

Bryant Electric Company, The. (See Abbott, Charles W., assignor.)

Bryant, Joseph M., et al. (See Mize, Earl W., assignor.)

Bückert, Hanns. (See Baumann, P., Stadler, Schilling, and Bückert.)

Bucklen, Herbert E., Elkhart, Ind., assignor of one-half to J. A. Dienner, Evanston, Ill. Internal combustion engine. 1,984,802; Dec. 18.

Buffaloe, Benjamin E., assignor of one-half to M. L. Beutel, Memphis, Tenn. Precast concrete step. 1,985,143; Dec. 18.

Bugatti, Ettore, Molsheim, France. Elastic wheel for railway vehicles. 1,985,144; Dec. 18.

Bugatti, Ettore, Molsheim, France. Front axle for automobile vehicles. 1,985,145; Dec. 18.

Buggeln & Smith. (See Smith, Carlton H., assignor.)

Builders Iron Foundry. (See Wilde, Kurt, assignor.)

Bullock, Giles E., assignor to E. C. Brown Co., Rochester, N. Y. Velocipede frame construction. 1,984,916; Dec. 18.

Bundy Steam Trap Company. (See Reed, Llewelyn M., assignor.)

Bunker, Darius W., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welted shoe and the manufacture thereof. 1,985,202; Dec. 18.

Bunker, William G., Augusta, Maine. Machine for harvesting potatoes and the like. 1,984,826; Dec. 18.

Burchett, George W., Peekskill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial larynx. 1,985,013; Dec. 18.

Burd, Gorman C., Adrian, Mich., assignor to American Cable Company, Inc., New York, N. Y. Electrically severing stranded wire structure. 1,984,783; Dec. 18.

Burgess, Charles O., New York, N. Y., assignor to Electro Metallurgical Company. Cast iron alloy articles. 1,984,458; Dec. 18.

Burke, Ralph, assignor to Sivyer Steel Casting Company, Milwaukee, Wis. Return bend. 1,984,353; Dec. 18.

Burkhardt, Otto, Jena, Germany, assignor to firm N. V. Nederlandsche Instrumenten Compagnie of Haag. Sighting telescope for aircraft. 1,985,077; Dec. 18.

Burnett, Richard W., Chicago, Ill. Holding and releasing mechanism for railway car hand brakes. 1,984,517; Dec. 18.

Burroughs Adding Machine Company. (See Rowland, Dwight P., assignor.)

Busch, Hugo R. (See Kind, W., Schenk, and Busch.)

Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Control for automotive vehicles. 1,985,014; Dec. 18.

Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Power transmission equipment. 1,985,015; Dec. 18.

Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Reduction gear. 1,985,016; Dec. 18.

Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Variable-speed transmission apparatus. 1,985,017; Dec. 18.

Bush Manufacturing Company. (See Bush, Eugene S., assignor.)

Bush Manufacturing Company, The. (See Mason, A. J., and Tancred, assignors.)

Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for irradiating containers. 1,984,457; Dec. 18.

Byron Jackson Co. (See Hollander, Aladar, assignor.)

C-O-Two Fire Equipment Company. (See Scott, S. E., and Wiswell, assignors.)

Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 1,984,784; Dec. 18.

Cameron Machine Company. (See Cameron, James A., assignor.)

Cameron, William J., Los Angeles, Calif. Dispensing device. 1,984,629; Dec. 18.

Campbell-Buchanan Corporation. (See Campbell, Leon J., assignor.)

Campbell, Charles A., and E. C. Vroman, Watertown, N. Y., assignors to The New York Air Brake Company. Air brake. 1,984,459; Dec. 18.

Campbell, Dundan, Dumbreck, Glasgow, Scotland. Hydraulic power transmitter. 1,985,146; Dec. 18.

Campbell, Leon J., Buchanan, Mich., assignor to Campbell-Buchanan Corporation, Chicago, Ill. Transmission mechanism for motor vehicles. 1,984,354; Dec. 18.

Campbell, Robert B., Vancouver, British Columbia, Canada. Sound reproducer. 1,984,963; Dec. 18.

Candee, Catherine T. (See Candee, Joseph S., assignor.)

Candee, Joseph S., assignor to C. S. Candee, Buffalo, N. Y. Supply and discharge mechanism for water closet tanks. 1,984,394; Dec. 18.
Cantor, Samuel, Brooklyn, N. Y. Flower holder. Des. 94,071; Dec. 18.
Cantor, Samuel, Brooklyn, N. Y. Flower holder. Des. 94,072; Dec. 18.
Capstan Glass Company. (See Piazzoli, Theodore J., assignor.)
Carbide and Chemical Corporation. (See Williams, Duncan B., assignor.)
Carey, Philip, Manufacturing Company, The. (See Schaeffer, Elmer R., assignor.)
Carlson, Carl E., assignor to S. F. Bowser & Company, Fort Wayne, Ind. Visible flow indicator. 1,984,630; Dec. 18.
Carlson, John S., Brooklyn, N. Y. Combination bath unit. 1,985,147; Dec. 18.
Carpenter, Charles H., East Detroit, Mich. Battery terminal and cable clamp. 1,984,518; Dec. 18.
Carrier Engineering Corporation. (See Day, Vincent S., assignor.)
Carson, Arthur, Richmond, Va., assignor to American Telephone and Telegraph Company. Coin chute. 1,984,460; Dec. 18.
Carter, Edward B., Lexington, Mass. Heel trimming machine. 1,984,917; Dec. 18.
Casella, Secondo L., New York, N. Y., assignor to National Carbon Co., Inc. Method of and apparatus for wrapping dry cell bobbins. 1,984,568; Dec. 18.
Cash, Arthur L. (See Heinze, John O., assignor.)
Casini, Natale. (See Marziani, J., and Casini.)
Cassen, Franklin. (See Mulloy, H. D., and Cassen.)
Celanese Corporation of America. (See Ellis, G. H., and Storey, assignors.)
Celanese Corporation of America. (See Howarth, William, assignor.)
Chace, W. M., Valve Company. (See Matthews. Howard D., assignor.)
Chanut, Paul A., Paris, France. Dress glove structure. 1,984,461; Dec. 18.
Chapman, Fredrick D., Evanston, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Crank. Des. 94,073; Dec. 18.
Chapman, Fredrick D., Evanston, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Cream separator. Des. 94,074; Dec. 18.
Chappell, Marvin L., Watson, Calif. Producing motor fuel from hydrocarbon oils. 1,984,519; Dec. 18.
Chappell, Ralph, Richmond, Va., and R. J. Streb, assignors to Julien P. Friez & Sons, Inc., Baltimore, Md. Indicating angular movements. 1,985,148; Dec. 18.
Chapple, Charles E., Batavia, N. Y. Faucet valve. 1,985,149; Dec. 18.
Charbonneau, Albert W., Roslindale, Mass. Antislip product and making the same. 1,985,203; Dec. 18.
Cheek, Tolbert F., assignor to Aeolian-Skinner Organ Company, Inc., Dorchester, Mass. Music roll magazine. 1,984,462; Dec. 18.
Chemische Forschungsgesellschaft, m. b. H. (See Herrmann, W. O., and Haehnel, assignors.)
Chicago Faucet Company. (See Steen, Harry S., assignor.)
Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)
Chicago Pneumatic Tool Company. (See Nell, Gustave M., assignor.)
Chlorox Chemical Co. (See Fullmer, Theodore E., assignor.)
Choate, Fred C., Greenville, Mich. Horticultural marking device. 1,984,395; Dec. 18.
Chrysler Corporation. (See Kotcher, Albert J., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)
Clark, Byron S., and J. W. Lowell, assignors, by mesne assignments, to Benedict Stone Products Company, Chicago, Ill. Apparatus for making concrete objects. 1,984,863; Dec. 18.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dual temperature regulator. 1,985,018; Dec. 18.
Clark, Edward S., and H. L. Andrus, Kalamazoo, Mich. Machine for making curbs and gutters. 1,985,220; Dec. 18.
Clark, George M. (See Walker, Malcolm, and M. M., and Clark.)
Clark, James E. (See Ronci, V. L., and Clark.)
Clark, James E. (See Ronci, V. L., Clark, and Hale.)
Clark, Robert P., and H. E. Fee, Phoenix, Ariz. Pipe cleaner. 1,984,964; Dec. 18.
Claude, Georges, and J. Le Rouge, Paris, France, assignors to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Separation of gaseous mixtures. 1,984,463; Dec. 18.
Clements, Joseph F. (See Alerio, E., and Clements.)
Clerc, André, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Gas cooling device for compressed gas electric circuit breaker silencer. 1,984,396; Dec. 18.
Cleveland Graphite Bronze Company, The. (See Sherwood, G. L., and Johnson, assignors.)
Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
Clum Manufacturing Company. (See Pease, Frederick J., assignor.)
Coder, Joseph, Marseilles, France. Coupling. 1,984,918; Dec. 18.
Cohan, Alice, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,075; Dec. 18.
Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Mounting for rotor shaft of variable condenser. 1,984,464; Dec. 18.
Cole, John E. (See Lubs, H. A., and Cole.)
Cole, Thomas L., and A. J. Kinsella, Norristown, Pa. Revolving test plug. 1,984,864; Dec. 18.
Coleman, Gerald H. (See Britton, E. C., Coleman, and Warren.)
Coleman, John B., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,985,019; Dec. 18.
Collins, Cornelius, San Francisco, Calif. Metallic studding and plate. 1,985,150; Dec. 18.
Collison, John G., assignor to Au-Vo-Col Corporation, Cleveland, Ohio. Valve. 1,985,078; Dec. 18.
Colwell, Archie T., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making hollow head valves. 1,984,728; Dec. 18.
Colorado Iron Works Company. (See Dickson, Thomas A., assignor.)
Columbus McKinnon Chain Company. (See Stahl, Frank E., assignor.)
Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz. (See Barthelemy, René, assignor.)
Condor Products, Inc. (See Knoll, Floyd A., assignor.)
Congoleum-Nairn, Inc. (See Bonney, R. D., and Egge, assignors.)
Congoleum-Nairn, Inc. (See Bonney, R. D., and Maguire, assignors.)
Conklin, Claude C., Patchogue, N. Y. Toy magazine gun. 1,985,079; Dec. 18.
Conn, C. G., Ltd. (See Schaefer, Louis M., assignor.)
Container Corporation of America. (See Weaver, Josiah A., assignor.)
Continental Can Company, Inc. (See Baker, Greeley, assignor.)
Continental Can Company, Inc. (See Emmons, Clarence L., assignor.)
Continental Can Company, Inc. (See Punte, William F., assignor.)
Continental Can Company, Inc. (See Sedwick, Matthew M., assignor.)
Continental Diamond Fibre Company. (See Haroldson, Arthur, assignor.)
Continental Motors Corporation. (See Meyer, Andre J., assignor.)
Continental Rubber Works. (See Henkel, Paul H., assignor.)
Continental Scale Works. (See Hutchinson, I. K., and Wolff, assignors.)
Cooke, Maurice B., and H. C. Schutt, assignors to Alco Products, Incorporated, New York, N. Y. Vapor phase cracking process. 1,984,569; Dec. 18.
Coopersmith, Rudolph, St. Louis, Mo. Multicoil spring structures. 1,985,020; Dec. 18.
Corley, John T., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I. Bracket for a turret standpipe. 1,984,360; Dec. 18.
Corning Fibre Box Corporation. (See Walker, E. R., and Roehm, assignors.)
Coss, Frank C., Martins Ferry, Ohio. Garment bagging apparatus. 1,984,631; Dec. 18.
Countryman, Guy A., Ashland, Ohio. Double acting hydraulic jack. 1,985,151; Dec. 18.
Cox, A. Byrl, Los Angeles, Calif. Cleaner head. 1,984,632; Dec. 18.
Crane Co. (See Sorensen, Alfred K., assignor.)
Crane, Edward J. (See Bigler, F. J., and Crane.)
Cremo, Aristide L., assignor to Evans Case Company, North Attleboro, Mass. Ornamenting enameled articles. 1,984,965; Dec. 18.
Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,984,865; Dec. 18.
Crockett, Jesse E., Minden, La. Pipe lifter and aligner. 1,985,152; Dec. 18.
Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Oxygen cutting process. 1,985,080; Dec. 18.
Crown Cork & Seal Company, Inc. (See Darling, Glen F., assignor.)
Crown Cork & Seal Company, Inc. (See McManus, Charles E., assignor.)
Cuming, M. A., & Co., Inc. (See Daru, Louis, assignor.)
Curtis, Cecil C., San Francisco, Calif. Apparatus for applying heat, cold, and pressure to the body. 1,984,520; Dec. 18.
Curtiss Aerocar Company, Inc. (See Robinson, Harold H., assignor.)
Dahl, Lawrence S., and J. L. Peet, Gary, Ind., assignors to American Sheet and Tin Plate Company. Apparatus for cleaning metal working rolls. 1,984,729; Dec. 18.
Daimler, Karl, and G. Balle, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Splinterless material, particularly splinterless glass. 1,984,671; Dec. 18.
Dalyze, Peter, Detroit, Mich. Mechanical chair. 1,984,397; Dec. 18.

Daman, Arthur C., Denver, Colo. Flotation apparatus. 1,985,153; Dec. 18.
Dame, Charles V., Lanark, Ill. Portable electrical apparatus. 1,984,398; Dec. 18.
Dana, David W., Cliffside, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for detecting structural defects in materials. 1,984,465; Dec. 18.
Darling, Glen F., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Rubber ring cutting machine. 1,984,730; Dec. 18.
Daru, Louis, Brooklyn, N. Y., assignor to M. A. Cuming & Co., Inc. Machine for forming cushion brims. 1,985,021; Dec. 18.
Davidson, Jay B., Ames, Iowa. Device for controlling the relative speed of two traction members. 1,984,399; Dec. 18.
Davis, Maurice E., Grand Rapids, Mich., assignor to H. E. Moyses, New York, N. Y. Method and apparatus for making skived or bevel-edged articles from flexible material. 1,984,919; Dec. 18.
Davison, Harry H., and J. F. Pagendarm, assignors to Davison-Woods Manufacturing Co., Ltd., San Francisco, Calif. Peach pitter. 1,984,361; Dec. 18.
Davison, Reuben B. (See Grant, J. E., and Davison.)
Davison-Woods Manufacturing Co., Ltd. (See Davison, H. H., and Pagendarm, assignors.)
Davisson, John W., et al. (See Finch, Galen B., assignor.)
Day, Vincent S., Summit, assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Air humidification apparatus. 1,984,866; Dec. 18.
Dean, Charles A., Bakersfield, Calif. Core drill. 1,984,867; Dec. 18.
De Back, William, assignor to Food Machinery Corporation, San Jose, Calif. Fruit sizer. 1,984,672; Dec. 18.
De Bellescize, Henri J. J. M. D., Paris, France, assignor to Radio Corporation of America, New York, N. Y. Sensitivity control for radio receiving systems. 1,984,400; Dec. 18.
De Boer, Jan H. (See van Geel, W. C., de Boer, and Emmens.)
De Bothezat, George, assignor to American Machine and Metals, Inc., New York, N. Y. Drive for fans and the like. 1,985,022; Dec. 18.
Deegan, William J., New York, N. Y. Cap. 1,984,521; Dec. 18.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,984,633; Dec. 18.
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Delta-Star Electric Company. (See Killian, Stanley C., assignor.)
De Malaussene, Henri S., Santa Monica, Calif. Rotary transformer armature. 1,985,154; Dec. 18.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas pressure stabilizer. 1,984,868; Dec. 18.
De Mott, James F. (See Skidmore, G. A., Molitor, and De Mott.)
Denham, Alfred M., Spokane, Wash. System of multiple phototelevision. 1,984,466; Dec. 18.
Derby, Ira H., assignor to P. C. Reilly, Indianapolis, Ind. Volatilizing materials. 1,984,731; Dec. 18.
Derman, Harry, Laurelton, Long Island, N. Y. Covered rack for doors. 1,984,827; Dec. 18.
Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Production of anhydrous and absolute alcohols. 1,985,205; Dec. 18.
Derr, Ralph B., Oakmont, and C. B. Willmore, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Production of anhydrous and absolute alcohols. 1,985,204; Dec. 18.
Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Hoboken, N. J. Suspension loop for flashlights. 1,984,401; Dec. 18.
Des Roberts, William J., Biddeford, Maine. Carpenter's divider. 1,984,467; Dec. 18.
Detroit Body Die Company. (See Purdy, Emmett G., assignor.)
Detroit Trust Company. (See Page, Alfred C., assignor.)
Deutschmann, Arnold, Dorchester, Mass. Electrical condenser. 1,984,785; Dec. 18.
De Witt, H. P. (See Tatham, Norman, assignor.)
Dexter Folder Company. (See Martin, George A., assignor.)
Dexter Folder Company. (See McElroy, John H., assignor.)
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Device for applying belt fasteners and the like. 1,984,634; Dec. 18.
Dickson, Thomas A., assignor to Colorado Iron Works Company, Denver, Colo. Ore classifier. 1,984,362; Dec. 18.
Dienner, John A. (See Bucklen, Herbert E., assignor.)
Dietrich, Incorporated. (See Olivier, Jules A., assignor.)
Dietrichs, Charles, assignor to Walker Cement Products, Inc., Little Ferry, N. J. Mold vibrator. 1,984,363; Dec. 18.
Dinley, Clarence F., Detroit, Mich., assignor to J. H. Bell, Philadelphia, Pa. Apparatus for treatment with solvents. 1,984,364; Dec. 18.
Doherty, Henry L., assignor to Doherty Research Company, New York, N. Y. Distilling oils. 1,984,522; Dec. 18.
Doherty Research Company. (See Doherty, Henry L., assignor.)
Dohm, Robert O., Dane, Wis. Lawn-mower clutch. 1,984,966; Dec. 18.
Donnelly, Edward J., Everett, Mass. Thermostatic radiator valve. 1,984,402; Dec. 18.
Donnelly, R. R., & Sons Co. (See Ackley, Raymond E., assignor.)
Dorfman, Hiller D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,985,023; Dec. 18.
Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,984,468; Dec. 18.
Douglas, Harry A., Bronson, Mich. Electric lamp. 1,985,024; Dec. 18.
Dow Chemical Company, The. (See Britton, E. C., Coleman, and Warren, assignors.)
Dow Chemical Company, The. (See Grether, E. F., and Mills, assignors.)
Dowd, Bernard J., and H. J. Hart, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,985,155; Dec. 18.
Doyle, Edgar D., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method and apparatus for controlling alternating current generating units. 1,984,920; Dec. 18.
Doyle, Edgar D., and L. O. Heath, assignors to Leeds & Northrup Company, Philadelphia, Pa. Method and apparatus for controlling alternating current generating units. 1,985,081; Dec. 18.
Draper Corporation. (See Stimpson, Wallace I., assignor.)
Dresner, S., & Son, Inc. (See Flotkin, Oscar H., assignor.)
Dressel, Henry M., assignor to Grigsby-Grunow Company, Chicago, Ill. Amplifier system. 1,984,967; Dec. 18.
Dresser, S. R., Manufacturing Company. (See Pfefferle, George H., assignor.)
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. Des. 94,076; Dec. 18.
Dujardin, Henri, Rye, N. Y. Chair. 1,984,786; Dec. 18.
Du Mont, Allen B., Upper Montclair, N. J., assignor, by mesne assignments, to Radio Corporation of America. Television system. 1,984,673; Dec. 18.
Dunlop Rubber Company Limited. (See Madge, E. W., and Ward, assignors.)
Dunlop Rubber Company Limited. (See Twiss, D. F., Murphy, and Niven, assignors.)
Duplate Corporation. (See Smith, Charles E., assignor.)
Du Pont, E. I., de Nemours & Company, Inc. (See Holt, Donald A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Cole, assignors.)
Du Pont, E. I., de Nemours & Company. (See Person, Earl R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Spaeth, Charles P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Weiland, H. J., Henke, and Etzel, assignors.)
Du Pont, E. I., de Nemours & Company. (See Weiland, H. J., Henke, and Prahl, assignors.)
Du Pont, E. I., de Nemours & Company, Inc. (See Macallum, Alexander D., assignor.)
Dupont Rayon Company. (See Wagner, Albert, assignor.)
Durkopp-Werke A.-G. (See Schambach, H., and Müller, assignors.)
Durol Products Corporation. (See Werner, Charles P. assignor.)
Dysart, Arthur S., Elizabeth, N. J., C. E. Fraser, Rockville Center, and J. Lind, Brooklyn, N. Y., assignors to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Dynamometer. 1,984,635; Dec. 18.
Eastern Laboratories Incorporated. (See Werner, Ludwig, assignor.)
Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
Eastern Trust Company. (See Wenner, Rolland B., assignor.)
Eastman Kodak Company. (See McNally, J. G., and Beach, assignors.)
Ebbitt, Margaret, Chicago, Ill. Combination buffet and cabinet. 1,984,523; Dec. 18.
Ebert, Lyda G., Lakewood, Ohio, and M. K. Grable, Pittsburgh, Pa. Sink strainer. 1,984,524; Dec. 18.
Eclipse Aviation Corporation. (See McNeil, Charles I., assignor.)
Eclipse Aviation Corporation. (See Mock, Frank C., assignor.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company. (See Wertz, Daniel L., assignor.)
Eddy, Muriel B., Green Bay, Wis. Hop scotch game device. Des. 94,077; Dec. 18.
Edelman, Morris, Cleveland Heights, Ohio. Retaining device for flush tank covers. 1,984,403; Dec. 18.
Edgewater Steel Company. (See Bell, Frank B., assignor.)
Egge, Walter S. (See Bonney, R. D., and Egge.)

Ehrlich, Louis B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Starting motor switch. 1,984,921; Dec. 18.
Elder, Andrew C. (See Nagy, E. V., and Elder.)
Electric Auto-Lite Company, The. (See Ehrlich, Louis B., assignor.)
Electro Metallurgical Company. (See Burgess, Charles O., assignor.)
Electro Metallurgical Company. (See Good, Robert C., assignor.)
Elliot, William S., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Toothbrush handle. 1,984,787; Dec. 18.
Ellis, George H., and R. C. Storey, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials made of or containing organic derivatives of cellulose. 1,984,788; Dec. 18.
Elizey, Esco F., deceased, Snyder, by H. W. Wendt, jr., administrator, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Tetraiodophenolphthalein compositions. 1,984,404; Dec. 18.
Emerson Electric Mfg. Co., The. (See Weber, Victor, assignor.)
Emery, William M., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric ironer. 1,985,025; Dec. 18.
Emmens, Hendrik. (See van Geel, W. C., de Boer, and Emmens.)
Emmons, Clarence L., Clifton, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Double compartment metal package. 1,984,570; Dec. 18.
English, Raymond, Clinton, Ill. Rotary pump or motor. 1,984,365; Dec. 18.
Epps, Carl, Rome, Ga., assignor to Tubize Chatillon Corporation. Coned yarn support. 1,984,571; Dec. 18.
Epps, Carl, Rome, Ga., assignor to Tubize Chatillon Corporation. Coned yarn support. 1,985,026; Dec. 18.
Erie Resistor Corporation. (See Gahn, Frank, assignor.)
Erben, Georg von Giesche's, Firm. (See Kaizik, Karl, assignor.)
Erk, Reinhold V., Waynesville, N. C. Educational rule. Des. 94,078; Dec. 18.
Erospha, Inc. (See Wicha, Alois, assignor.)
Etzel, Gastao. (See Welland, H. J., Henke, and Etzel.)
Evans Case Company. (See Cremo, Aristide L., assignor.)
Everett, John, Lyndhurst, England, assignor to Standard Brands Incorporated, New York, N. Y. Suppression of froth or scum on liquids. 1,984,789; Dec. 18.
Ewers, John V. (See Shofer, M. R., and Ewers.)
Ewest, Hans. (See Pirani, M., and Ewest.)
Ewest, Hans, Berlin, Germany, assignor to General Electric Company. Electric cathode glow lamp. 1,984,469; Dec. 18.
Fahrenwald, Arthur W., Moscow, Idaho. Machine for flotation of ores. 1,984,366; Dec. 18.
Fahrenwald, Frank A., Chicago, Ill. Machinable stainless casting. 1,984,636; Dec. 18.
Fallon, William J., jr., Boston, Mass. Securing an increased yield of welting from leather stock. 1,984,525; Dec. 18.
Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Syncro Machine Company, Arlington, N. J. Machine for applying webs to wire and the like. 1,984,405; Dec. 18.
Farbenindustrie, I. G. Aktiengesellschaft. (See Daimler, K., and Balle, assignors.)
Farley, Francis S., and R. B. Brown, Trenton, N. J., assignors, by mesne assignments, to L. M. Sutherland, Lower Makefield Township, Pa. Pulp refining and the like and apparatus therefor. 1,984,869; Dec. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locking angle cock. 1,984,870; Dec. 18.
Farmer, John W. (See La Mayeau, W. F., Farmer, and Smith.)
Farrell, Daniel A., assignor to John F. Jelke Company, Chicago, Ill. Food product and making same. 1,984,470; Dec. 18.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. 1,985,082; Dec. 18.
Fedeler, John H., New York, N. Y. Air cleaning and blowing apparatus. 1,984,871; Dec. 18.
Fee, Henry E. (See Clark, R. P., and Fee.)
Feley, Henry N., East Orange, N. J. Book. 1,984,790; Dec. 18.
Feminine Products, Inc. (See Taub, Harry, assignor.)
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Fieldhouse, Fred W., Louisville, Ky. Condenser cleaner. 1,985,156; Dec. 18.
Fikentscher, Hans. (See Mark, H., and Fikentscher.)
Filmtone Corporation. (See Foley, Earl H., assignor.)
Filmtone Corporation. (See Foley, E. H., and Sampair, assignors.)
Finch, Galen B., assignor of one-third to J. W. Davison and one-third to R. D. Jones, Wichita, Kans. Refining apparatus for hydrocarbons. 1,985,083; Dec. 18.
Finken, Walter S., New York, N. Y. Water heater. 1,984,791; Dec. 18.
Fischer, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Lenticulated film. 1,984,471; Dec. 18.
Fischer, Wallace C., Chicago, Ill. Composition material. 1,984,922; Dec. 18.
Fish, Waldo H., Central Falls, R. I. Reed for looms. 1,984,732; Dec. 18.
Fisher, Lyle H., and A. E. Galiani, New York, N. Y. Collar holder. 1,984,969; Dec. 18.
Fiske, Augustus H., Warren, and C. S. Bryan, East Providence, assignors to Rumford Chemical Works, Rumford, R. I. Production of pure phosphorus. 1,984,674; Dec. 18.
Fiske, Augustus H., Warren, and C. S. Bryan, East Providence, assignors to Rumford Chemical Works, Rumford, R. I. Producing pyrophosphates. 1,984,968; Dec. 18.
Fitzsimmons, Joseph A., et al. (See Mize, Earl W., assignor.)
Foley, Earl H., New York, N. Y., assignor to Filmtone Corporation. Recording and indicating sound. 1,984,406; Dec. 18.
Foley, Earl H., Seattle, and G. B. Sampair, Tacoma, Wash., assignors to Filmtone Corporation. Diaphragm device. 1,984,637; Dec. 18.
Food Machinery Corporation. (See de Back, William, assignor.)
Forbes, Robert W., et al. (See Mize, Earl W., assignor.)
Forbing, John W., Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Preparation comprising glycol solutions of alkali metal salts of barbituric acid compounds. 1,984,733; Dec. 18.
Ford, Thomas B., New York, N. Y. Regulating valve. 1,984,792; Dec. 18.
Forest City Foundries Company, The. (See Kuenhold, Otto J., assignor.)
Fornwalt, Alexander E., Johnstown, Pa. Train pipe valve. 1,984,828; Dec. 18.
Fournier, Joseph B., St.-Mande, France. Gauge tube. 1,984,734; Dec. 18.
Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe sole. Des. 94,079; Dec. 18.
Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe sole. Des. 94,080; Dec. 18.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Adjustable lip for glass melting tanks. 1,984,923; Dec. 18.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making insulating glass. 1,984,924; Dec. 18.
Frahm, Nelson A., Bloomfield, N. J. Closure for tubular paste and other containers. 1,984,872; Dec. 18.
Fraine, Samuel A. (See Stricklen, J. R., and Fraine.)
Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Electric pilot for hydrocarbon fuel burners. 1,984,572; Dec. 18.
Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Oil pilot for hydrocarbon burners. 1,984,573; Dec. 18.
Francis, Samuel, et al. (See Howell, David, assignor.)
Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Production of iron and Portland cement in a blast furnace. 1,984,793; Dec. 18.
Franklin Oil Heating, Inc. (See Frame, Augustus J., assignor.)
Fraser, Charles E. (See Dysart, A. S., Fraser, and Lind.)
Freeman, Henry L., Chicago, Ill. Novelty match package. 1,984,675; Dec. 18.
Freeman, Hubert M., East Pittsburgh, and W. G. Wade, New York, N. Y., assignors to Westinghouse Electric and Manufacturing Company. Hot cathode electron discharge tube. 1,985,027; Dec. 18.
French, John P., deceased, Alma, Mich.; F. O. Parker, administrator, assignor of twenty-five per cent to H. S. Babcock, and twenty-five per cent to J. S. Knoertzer, Alma, Mich. Pump driving mechanism. 1,984,735; Dec. 18.
Friederich, Alfred, Berlin, and P. Schlack, Berlin-Karlshorst, assignors to Aceta G. m. b. H., Lichtenberg, Germany. Manufacture of artificial threads. 1,984,472; Dec. 18.
Friedman, Henry L., East Cleveland, and M. Pollock, Cleveland, Ohio. Dust eliminator. 1,985,157; Dec. 18.
Friez, Julian P., & Sons, Inc. (See Chappell, R., and Streb, assignors.)
Frost, Myron O., Richmond Heights, and P. Mattler, St. Louis, Mo., assignors, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Distribution system for shoe factories. 1,984,307; Dec. 18.
Fujita, Buntaro. (See Imamura, M., and Fujita.)
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Manufacturing nuts. 1,984,873; Dec. 18.
Fullmer, Theodore E., assignor to Clorox Chemical Co., Oakland, Calif. Footbath tray. Des. 94,081; Dec. 18.
Fulmer, Joseph H., Nazareth, Pa. Bale drier. 1,984,829; Dec. 18.
Fulton, Otho, Bromley, England. Picture transmitting system. 1,985,084; Dec. 18.
Funk, Truman B., assignor to "Yard-Man", Inc., Jackson, Mich. Lawn mower. Des. 94,082; Dec. 18.
Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Feeding apparatus for conveyers. 1,984,574; Dec. 18.
Furler, Emil, assignor to Furler Proceeding Association, Zurich, Switzerland. Forming hollow blanks for flies and the like. 1,985,158; Dec. 18.

Furler Proceeding Association. (See Furler, Emil, assignor.)
Gahn, Frank, assignor to Erie Resistor Corporation, Erie, Pa. Resistor. 1,984,925; Dec. 18.
Gaines, Abraham J., Chicago, Ill. Mirror supporting device. 1,984,676; Dec. 18.
Galiani, Alfred E. (See Fisher, L. H., and Galiani.)
Gardner, Henry A., Washington, D. C. Coating and impregnating composition. 1,984,368; Dec. 18.
Garoutte, John O., Webb City, Mo. Starter switch. 1,984,736; Dec. 18.
Gates, Edwin B., assignor to The Atlas Mineral Products Company, Mertztown, Pa. Laying tile floors. 1,985,159; Dec. 18.
Gates, Edwin B., assignor to The Atlas Mineral Products Company, Mertztown, Pa. Constructing tanks. 1,985,160; Dec. 18.
Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Method and system for proving differences of light. 1,985,085; Dec. 18.
Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Light sensitive apparatus. 1,985,086; Dec. 18.
Gehrts, August, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Discharge device. 1,985,028; Dec. 18.
Geiger, Eugenie F. and J., Milwaukee, Wis. Bomb-proof building. 1,984,407; Dec. 18.
Geiger, Josef. (See Geiger, Eugenie F. and J.)
General Aniline Works, Inc. (See Bergdolt, A., and Schmelzer, assignors.)
General Aniline Works, Inc. (See Neresheimer, Heinrich, assignor.)
General Aniline Works, Inc. (See Weinand, K., and Hertlein, assignors.)
General Electric Company. (See Anschütz, Hellmut, assignor.)
General Electric Company. (See Axtell, Clinton J., assignor.)
General Electric Company. (See Bird, Charles H., assignor.)
General Electric Company. (See Dorgelo, Eduard G., assignor.)
General Electric Company. (See Ewest, Hans, assignor.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Glaser, A., and Köch, assignors.)
General Electric Company. (See Hatay, Charles, assignor.)
General Electric Company. (See Hehlgans, Friedrich W., assignor.)
General Electric Company. (See Hoare, Stephen C., assignor.)
General Electric Company. (See Imamura, M., and Fujita, assignors.)
General Electric Company. (See Imaoka, Yoshio, assignor.)
General Electric Company. (See Kearsley, William K., assignor.)
General Electric Company. (See Lange, Heinrich, assignor.)
General Electric Company. (See Mulder, Cornelis A. H., assignor.)
General Electric Company. (See Mutsaers, Johannes P. M., assignor.)
General Electric Company. (See Pirani, Marcello, assignor.)
General Electric Company. (See Pirani, M., and Ewest, assignors.)
General Electric Company. (See Pirani, M., and Reger, assignors.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Uyterhoeven, W., and van Dam, assignors.)
General Electric Company. (See Uyterhoeven, W., and Verburg, assignors.)
General Electric Company. (See Zecher, Gustav, assignor.)
General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
General Electric Vapor Lamp Company. (See Dana, David W., assignor.)
General Electric Vapor Lamp Company. (See Kenty, Carl E., assignor.)
General Electric Vapor Lamp Company. (See Moos, Frank, assignor.)
General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
General Fireproofing Company, The. (See Gibson, G. R., and Wood, assignors.)
General Industries Company, The. (See van der Woude, Fritz, assignor.)
General Instrument Corporation. (See Cohen, Samuel, assignor.)
General Motors Corporation. (See Brittain, Richard J., jr., assignor.)
General Motors Corporation. (See Henne, Albert L., assignor.)
Gensch, Karl, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transfor-matoren) G. m. b. H., Berlin, Germany. Heat carrier for high temperatures. 1,984,369; Dec. 18.
Gerster, William V., McDonald, Ohio. Die machine. 1,984,737; Dec. 18.
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, G., Michelssen, and Wehnert, assignors.)
Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H. (See Gensch, Karl, assignor.)
Gibson, George R., Brookfield, and A. Wood, assignors to The General Fireproofing Company, Youngstown, Ohio. Shelving. 1,984,473; Dec. 18.
Giddens, Paul K., assignor to Pagenhart Research Corporation, Kansas City, Mo. Radio receiving system. 1,984,408; Dec. 18.
Gilbert, Neville W., Solihull, England. Electrical heating appliance of the open-grid or boiling-plate type. 1,985,161; Dec. 18.
Gilles, Richard L., Fargo, N. Dak. Portable water softener. 1,985,162; Dec. 18.
Gillmor, Reginald E., Forest Hills, N. Y., and B. A. Wittkuhns, Chatham, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical. 1,984,874; Dec. 18.
Ginsberg, Samuel L., Jamaica Plain, Mass. Machine for packaging mattresses and the like. 1,985,163; Dec. 18.
Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filter for suppression of high frequency current. 1,984,526; Dec. 18.
Glaser, August, Berlin-Frohnau, and W. Köch, Berlin-Hermsdorf, Germany, assignors to General Electric Company. Arc discharge apparatus. 1,985,087; Dec. 18.
Glass, Charles E., Fort Dodge, Iowa. Burial vault. 1,984,638; Dec. 18.
Gleason, George A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Reel. 1,984,738; Dec. 18.
Goetz, Louis W., Winthrop, assignor to Wheeler Reflector Company, Boston, Mass. Electric light fixture. 1,984,575; Dec. 18.
Goldsmith, Israel, New York, N. Y. Window cleaning apparatus. 1,984,370; Dec. 18.
Good, Robert C., Pittsburgh, Pa., assignor to Electro Metallurgical Company. Malleable iron casting. 1,984,474; Dec. 18.
Goodall, Howard W., Aldan, Pa. Hose. 1,984,475; Dec. 18.
Goodman, Jacob A., Indianapolis, Ind. Stocking and seam construction therefor. 1,984,970; Dec. 18.
Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
Goodrich, B. F., Company, The. (See Wauer, Harry E., assignor.)
Gordon, Hiram, Columbus, Ohio. Insole for corrective shoes. 1,984,576; Dec. 18.
Gordon, Howard D. and W. W., Hazardville, Conn. Carbonization of wool. 1,984,794; Dec. 18.
Gordon, William G. G., New York, N. Y. Combined piston and ring structure. 1,984,409; Dec. 18.
Gordon, William W. (See Gordon, Howard D. and W. W.)
Goserud, Chester O., St. Paul, Minn. Combination storm sash operator and fastener. 1,985,088; Dec. 18.
Goserud, Chester O., St. Paul, Minn. Sash operator and fastener. 1,985,089; Dec. 18.
Goserud, Chester O., St. Paul, Minn. Storm sash operator and fastener. 1,985,090; Dec. 18.
Gottlieb, Oscar F., and R. A. Sandberg, Waukegan, assignors to Onkes Products Corporation, North Chicago, Ill. Surface finishing of metal. 1,984,527; Dec. 18.
Gottlieb, Oscar F., and R. A. Sandberg, Waukegan, assignors to Onkes Products Corporation, North Chicago, Ill. Apparatus for the surface finishing of metal. 1,984,528; Dec. 18.
Grable, Minnie K. (See Ebert, Lyda G.)
Graham, Walter A. (See Banks, W. H., jr., and Graham.)
Grant, James E., and R. B. Davison, Chicago, Ill. Refrigerator control. 1,984,639; Dec. 18.
Gray Telephone Pay Station Company, The. (See Long, George A. and W. W., assignors.)
Greco, Alfredo, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. System of electrical distribution. 1,985,206; Dec. 18.
Green, John G., Greensboro, N. C. Doorstop. 1,985,164; Dec. 18.
Greenman, Harry J., New York, N. Y. Dress. Des. 94,083; Dec. 18.
Grether, Ernest F., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Azo dye and making same. 1,984,739; Dec. 18.
Grigsby-Grunow Company. (See Dressel, Henry M., assignor.)
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,984,577; Dec. 18.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,984,578; Dec. 18.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,984,579; Dec. 18.
Grogan, Robert S. (See Stoddard, Charles F., assignor.)
Grotewold, Otto, Frankfort-on-the-Main, Germany. Collar button. 1,984,640; Dec. 18.
Gühring, Eugen. (See Hagedorn, M., and Gühring.)
Gullette, Willis S., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,985,029; Dec. 18.
Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)

Haffcke, Philip M., Dobbs Ferry, assignor to Radio Research Laboratories, Inc., New York, N. Y. Wave repeating system and apparatus. 1,984,476; Dec. 18.
Hagedorn, Max, and E. Gübring, Dessau-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Articles from cellulose derivatives of the higher fatty acids. 1,984,477; Dec. 18.
Haigis, Alfred. Baden, assignor to Kienzle Taxameter und Apparate A. G., Schwartzwald, Germany. Rotor for self-starting synchronous electric motors for clocks and the like. 1,985,091; Dec. 18.
Hale, Douglas A. (See Ronci, V. L., Clark, and Hale.)
Hall, Daniel L., Columbia, S. C. Dental cast trimmer. 1,984,740; Dec. 18.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Automatic binder feed for cigar machines. 1,984,795; Dec. 18.
Handy, Arthur E. (See Lindquist, D. L., Handy, and Margles.)
Hanna, Clinton R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Filter system. 1,985,030; Dec. 18.
Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Film gate. 1,985,031; Dec. 18.
Hansen, Asger, Houston, Tex. Neon electrode housing. 1,984,796; Dec. 18.
Hapgood, Roswell T., Charleston, W. Va. Apparatus for carbureting air. 1,985,165; Dec. 18.
Hargreaves, Robert, assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism. 1,984,641; Dec. 18.
Haroldson, Arthur, Valparaiso, Ind., assignor to Continental Diamond Fibre Company, Newark, Del. Making electric resistance. 1,985,166; Dec. 18.
Harrington, John W., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Handcuff. 1,984,677; Dec. 18.
Harrington & Richardson Arms Company. (See Harrington, John W., assignor.)
Harrington, Thomas W., Kevin, Mont. Float operated valve for oil wells. 1,984,741; Dec. 18.
Harrison, Ralph H., Detroit, Mich. Producing a negative by reversal. 1,984,580; Dec. 18.
Harshberger, Norman P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Reversible shingle. 1,984,529; Dec. 18.
Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,984,410; Dec. 18.
Hart, Henry J. (See Dowd, B. J., and Hart, assignors.)
Hasselberg, Linus J. R., Krapperup, Sweden. Apparatus for cooling and aerating milk. 1,984,581; Dec. 18.
Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Mercury switch. 1,984,478; Dec. 18.
Hatfield, Charles N., Fountain City, Ind. Grain cleaning machinery. 1,985,167; Dec. 18.
Hauck, Otto, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Rod or wire structure fabricating machine. 1,984,742; Dec. 18.
Hawkinson, Henry R. (See Ruckman, C., and Hawkinson.)
Hayden, Harold P., Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Producing concrete structures. 1,985,092; Dec. 18.
Hayes, Frank A., Middletown, N. J. Variable speed power transmission mechanism. 1,984,797; Dec. 18.
Hazard, Theodore C., and W. G. Anderson, assignors to American Box Board Company, Grand Rapids, Mich. Folding carton. 1,984,371; Dec. 18.
Hazel-Atlas Glass Company. (See Spear, Ray D., assignor.)
Hazelton, George. (See Bates, A., Barclay, and Hazelton.)
Health Products Corporation. (See Barthen, Charles L., assignor.)
Heany, John A., assignor to Radio Research Laboratories, Inc., New Haven, Conn. Electric discharge device. 1,984,479; Dec. 18.
Heath, Leslie O. (See Doyle, E. D., and Heath.)
Heberlein Patent Corporation. (See Weiss, Ernst, assignor.)
Hedman Manufacturing Company. (See Slettevold, Ole, assignor.)
Hehigans, Friedrich W., Berlin-Hermsdorf, Germany, assignor to General Electric Company. Cathode ray tube. 1,985,093; Dec. 18.
Heilbrunn, Alfred, assignor to the firm L. Anker Maschinenfabrik, Hamburg, Germany. Manufacture of galvanic cells. 1,984,926; Dec. 18.
Hein, Henry E., New York, N. Y. High school badge or similar article. Des. 94,084; Dec. 18.
Heinze, John O., Detroit, assignor of one-half to A. L. Cash, Marine City, Mich. Motor vehicle control mechanism. 1,985,168; Dec. 18.
Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Builder motion for spinning frames. 1,984,642; Dec. 18.
Henke, Clyde O. (See Weiland, H. J., Henke, and Etzel.)
Henke, Clyde O. (See Weiland, H. J., Henke, and Prahl.)
Henkel, Paul H., assignor to Continental Rubber Works, Erie, Pa. 1,984,927; Dec. 18.
Henkel, Paul H., assignor to Continental Rubber Works, Erie, Pa. Forming rubber bags. 1,984,928; Dec. 18.
Henne, Albert L., Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation. Manufacture of pentavalent antimony compounds. 1,984,480; Dec. 18.
Herold, Paul, and W. Baumann, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Desulphurization of gases. 1,984,971; Dec. 18.
Herrmann, Willy O., and W. Haehnal, assignors, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany. Vinyl ester lacquer. 1,984,678; Dec. 18.
Hertlein, Hans. (See Weinand, K., and Hertlein.)
Heymer, Gerd, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Apparatus for projecting lenticular films. 1,984,481; Dec. 18.
Heyn, Robert E., Bronxville, assignor to The B. V. D. Company, Inc., New York, N. Y. Undergarments. 1,984,875; Dec. 18.
Hezel, Hermann, assignor to Irving Trust Company, temporary trustee for R. Hoe & Co., New York, N. Y. Web supply mechanism for printing machines. 1,985,221; Dec. 18.
Higgins, Dana D. (See Stevens, E. E., and Higgins.)
Higley, Frank R., Cleveland Heights, Ohio. Vehicle drive. 1,984,830; Dec. 18.
Higley, Frank R., Cleveland Heights, Ohio. Vehicle drive. 1,984,831; Dec. 18.
Hile, Leslie M., Benton Harbor, Mich. Cover fastening machine. 1,984,530; Dec. 18.
Hilsenrath, Harry, New York, N. Y. Dispensing device. 1,985,094; Dec. 18.
Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Differential electrical measuring appliance. 1,985,095; Dec. 18.
Hoe, R., & Co., Inc. (See Hezel, Hermann, assignor.)
Hoe, R., & Co., Inc. (See Lamatsch, Frederick, assignor.)
Holby, Frank A., assignor to New Jersey Clay Products, Inc., New York, N. Y. Hollow tile block. 1,984,972; Dec. 18.
Hollander, Aladar, assignor to Byron Jackson Co., Berkeley, Calif. Double casing pump. 1,984,643; Dec. 18.
Holm, Eric M., Los Angeles, Calif. Fishing pole. 1,984,644; Dec. 18.
Holmes, George A., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Button. 1,984,743; Dec. 18.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling tool. 1,984,372; Dec. 18.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,984,373; Dec. 18.
Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Case hardening. 1,984,411; Dec. 18.
Hood, Clifford F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Rod handling machine. 1,984,744; Dec. 18.
Hood Rubber Company. (See Fowler, Fred D., assignor.)
Hookless Fastener Company. (See Manson, Frank G., assignor.)
Hoover Company, The. (See Dreyfuss, Henry, assignor.)
Hoult, Frank, Bayswater, London, England. Constructional toy. 1,985,032; Dec. 18.
Howarth, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile apparatus. 1,984,798; Dec. 18.
Howell, David, Huntsville, assignor of one-fourth to S. Francis, Edwardsville, one-fourth to R. Powell, Forty Fort, and one-fourth to L. Welker, Wilkes-Barre, Pa. Coal mining machine. 1,984,832; Dec. 18.
Howell Industrial Truck Company, The. (See Howell, R. C., and Avery, assignors.)
Howell, Roy C., Lakewood, and F. J. Avery, Willoughby, assignors to The Howell Industrial Truck Company, Cleveland, Ohio. Industrial truck. 1,985,169; Dec. 18.
Hudd, Alfred E., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stop detector. 1,984,679; Dec. 18.
Hudson, David W., Green Bay, Wis. Web cut-off mechanism. 1,984,680; Dec. 18.
Hudson, William J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,985,033; Dec. 18.
Hume, George C. (See Thompson, John, assignor.)
Hunt, Wilson P., Moline, Ill., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Lapping machine. 1,984,374; Dec. 18.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale stirrup. 1,984,582; Dec. 18.
Hutchinson, Irving K., and R. A. Wolff, assignors to Continental Scale Works, Chicago, Ill. Weighing scale. 1,984,412; Dec. 18.
Hutto Engineering Company, Inc. (See Hunt, Wilson P., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Baumann, P., Stadler, Schilling, and Bückert, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Gübring, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Herold, P., and Baumann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Mark, H., and Fikentscher, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Muench, E., and Ufer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Overdick, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rockstroh, J., Raspe, and Kircher, assignors.)
Imamura, Masujiro, and B. Fujita, Tokyo, Japan, assignor to General Electric Company. Gaseous electric discharge device. 1,984,482; Dec. 18.
Imaoka, Yoshio, Tokyo, Japan, assignor to General Electric Company. Hot cathode gaseous discharge device. 1,985,096; Dec. 18.
International Cigar Machinery Company. (See Halstead, John F., assignor.)
International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Cigar Machinery Company. (See Schussler, Walter H., assignor.)
International Flouncing Co. Inc. (See Robbins, Harry, assignor.)
International Motor Company. (See Wirrer, G., and Robbins, assignors.)
International Projector Corporation. (See Pearlman, Julius, assignor.)
Intertype Corporation. (See Sperry, Samuel E., assignor.)
Iowa Fiber Box Company, et al. (See Shofer, M. R., and Ewers, assignors.)
Irving Trust Company, temporary trustee. (See Hezel, Hermann, assignor.)
Irving Trust Company, temporary trustee. (See Lamatsch, Frederick, assignor.)
Izard, Arthur P., assignor to National Tailoring Company, Chicago, Ill. Advertising card. Des. 94,085; Dec. 18.
Jackson, John W., Winnetka, Ill. Auto penthouse. 1,984,681; Dec. 18.
Jacobson, Irving E., Portland, Oreg. Handle and core for frozen convections. 1,984,799; Dec. 18.
James Manufacturing Company. (See Kreutzer, Frederic J., assignor.)
Jameson, Reuben M. (See Fantone, C. B., and Jameson.)
Janssen, Henry, Wyomissing, Pa. Combined calendar and penholder. Des. 94,086; Dec. 18.
Janzen, Otto, Berlin, Germany. Synchronous motor. 1,984,929; Dec. 18.
Jeanneret, Max, Bern, Switzerland. Shooting spectacle. 1,985,170; Dec. 18.
Jelke, John F., Company. (See Farrell, Daniel A., assignor.)
Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Television scanning device. 1,984,682; Dec. 18.
Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Electro-optical system and control. 1,984,683; Dec. 18.
Jensen, Jack, Oakland, Calif. Electromagnetic speaker. 1,984,800; Dec. 18.
Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Valve control mechanism for tank vehicles. 1,985,207; Dec. 18.
Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Trailer dump mechanism. 1,984,876; Dec. 18.
Jiffy Lubrication Company, Inc. (See Johnson, August, assignor.)
Jobst, Günther, F. Michelssen, and W. Wehnert, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Gaseous discharge amplifier tube. 1,984,877; Dec. 18.
Johannsen, Friedrich, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Distillation of metals. 1,985,171; Dec. 18.
Johnson, August, assignor to Jiffy Lubricator Company, Inc., Fargo, N. Dak. Chuck lubricating connecter. 1,984,878; Dec. 18.
Johnson, Chester T. M., et al. (See Johnson, Francis T., assignor.)
Johnson, Francis T., assignor to C. T. M. and M. F. W. Johnson, Chicago, Ill. Burner. 1,984,879; Dec. 18.
Johnson, Henry L. (See Sherwood, G. L., and Johnson.)
Johnson, Herbert W. (See Kennedy, J. E., and Johnson.)
Johnson, Martin F. W., et al. (See Johnson, Francis T., assignor.)
Johnston, Charles W., Portsmouth, Va. Container for compressed gases and liquids. 1,984,375; Dec. 18.
Jonas, Gottfried R., assignor to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube in which the active surface of the electrode emitting rays is provided with seams. 1,984,583; Dec. 18.
Jones, Clarence W., T. J. Murray, and G. F. Andersen, Okanogan, Wash. Process and apparatus for dehydrating saline products. 1,984,833; Dec. 18.
Jones, Ralph D., et al. (See Finch, Galen B., assignor.)
Jordan, Rush, Dillon, Mont. Hand printer. 1,984,645; Dec. 18.
Kaizik, Karl, assignor to the firm Georg Von Giesche's Erben, Breslau, Germany. Electrodeposition of zinc. 1,984,745; Dec. 18.
Kalkner, Friedrich. (See Raupach, W., and Kalkner.)
Kaplan, Jack. (See Maxwell, E., and Kaplan.)
Karl, Heinrich, Jersey City, N. J. Aeroplane. 1,984,584; Dec. 18.
Kasper, Walter F., Fairmont, Minn., assignor, by mesne assignments, to Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria. Railroad vehicle. 1,984,746; Dec. 18.
Kaubisch, Clemens. (See Brunn, W., and Kaubisch.)
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Apparatus for weaving pile fabrics. 1,985,208; Dec. 18.
Kawneer Company, The. (See Kneeshaw, George R., assignor.)
Kawneer Company, The. (See Plym, Francis J., assignor.)
Kay-Fries Chemicals, Inc. (See Nicholl, Leonard, assignor.)
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Light control apparatus. 1,985,094; Dec. 18.
Keator, Edward O., Dayton, Ohio. Jack. 1,984,930; Dec. 18.
Keele, Ralph M., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,984,585; Dec. 18.
Keeling, Dwight H., et al. (See North, Stanley C., assignor.)
Keeling, Stanley H., et al. (See North, Stanley C., assignor.)
Keiser, Bernhard. (See De Groote, M. D., and Keiser.)
Keith, Zalda A., Wilkinsburg, Pa. Safety razor. 1,984,586; Dec. 18.
Kelleher, Daniel. (See McBride, E. A., Kelleher, and Lerch.)
Keller-Dorian Colorfilm Corporation. (See Kitroser, Isaac, assignor.)
Keller, George, Detroit, Mich. Lighting device for telephones. 1,985,172; Dec. 18.
Keller, John M., Lakewood, Ohio. Shock absorber. 1,985,034; Dec. 18.
Kennedy, Joseph E., assignor to N. Kennedy, New York, N. Y. Gyratory crusher. 1,985,098; Dec. 18.
Kennedy, Joseph E., and H. W. Johnson, assignors to N. Kennedy, New York, N. Y. Distributor for pulverized coal feeding systems. 1,985,099; Dec. 18.
Kennedy, Nellie. (See Kennedy, Joseph E., assignor.)
Kennedy, Nellie. (See Kennedy, J. E., and Johnson, assignors.)
Kent, George, Limited. (See Kent, Walter G., assignor.)
Kent, Walter G., Luton, assignor to George Kent, Limited, London, England. Apparatus for sampling liquids. 1,985,173; Dec. 18.
Kenty, Carl E., Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric gaseous discharge device. 1,984 483; Dec. 18.
Ker, John O., and W. Ashton, Ottawa, Ontario, Canada; said Ashton assignor to said Kerr. Grading tag for poultry and food products generally. 1,984,880; Dec. 18.
Kermode, John T., Cleveland, Ohio, D. A. Young, East Orange, N. J., and H. P. Sparkes, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Card sorter. 1,985,035; Dec. 18.
Kienzle Taxameter und Apparate A. G. (See Haigis, Alfred, assignor.)
Kilberry, George D., Lancaster, Pa. Apparatus for feeding paper making machines. 1,984,484; Dec. 18.
Killian, Stanley C., Oak Park, assignor to Delta-Star Electric Company, Chicago, Ill. Wire guide for tilting insulators. 1,984,881; Dec. 18.
Kimble Electric Company. (See Nies, John D., assignor.)
Kind, Wilm, Berlin-Lichterfelde G. Schenk, Berlin-Spandau, and H. R. Busch, Berlin-Zehlendorf, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Sprayer employed in watering areas of land. 1,984,531; Dec. 18.
Kindervater, Julius, Richmond, Va. Flexible staybolt structure. 1,985 209; Dec. 18.
King, Alfred T. (See Van Allen, F. L., and King.)
King, William, Clapham Park, London, England. Wire sealing machine. 1,984,882; Dec. 18.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Laundries, Chicago, Ill. Coupler. 1,985,036; Dec. 18.
Kinsella, Andrew J. (See Cole, T. L., and Kinsella.)
Kircher, Heinrich. (See Rockstroh, J., Raspe, and Kircher.)
Kitroser, Isaac, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Sonorizing goffered films and product thereof. 1,984,532; Dec. 18.
Klarmann, Emil, Jersey City, assignor to Lehn & Fink, Inc., Bloomfield, N. J. Germicidal preparation. 1,984,646; Dec. 18.
Klencke, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Process of and apparatus for roasting and sintering pulverulent sulphuriferous ores. 1,984 747; Dec. 18.
Knapp Manufacturing Corporation. (See Lytle, Harry R., assignor.)
Kneeshaw, George R., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,985,174; Dec. 18.
Knight, Alfred W. (See Weir, J. W., and Montgomery, assignors.)
Knoertzer, John S., et al. (See French, John P., assignor.)

Knoll, Floyd A., assigno to Condor Products, Inc. Buffalo, N. Y. Clasp loop for garters or the like. Des. 94 087; Dec. 18.
Knott, William M., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric oscillator. 1,984,533; Dec. 18.
Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation Chicago, Ill. Tool for attaching snap fasteners. 1,984,748; Dec. 18.
Koch, Werner. (See Glaser, A., and Koch.)
Koenig, Joseph P., Kalamazoo, Mich. Pipe pushing tool. 1,984,834; Dec. 18.
Kohl, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Making tools. 1,984,835; Dec. 18.
Koplin, Harry, and J. Maki, Chicago, Ill. assignors, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Washing cylinder door construction. 1,984,931; Dec. 18.
Kotcher, Albert J., Detroit, Mich., assignor to Chrysler Corporation. Rolling or sliding card file. 1,984,485; Dec. 18.
Koupal, Walter G., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Tank construction. 1,984,932; Dec. 18.
Krag, Erik L., assignor of one-tenth to E. J. Andrews, Chicago, Ill. Loose leaf binder. 1,984,376; Dec. 18.
Krasnov, Samuel, assignor to Surefit Products Company, Philadelphia, Pa. Slip cover for furniture. 1,984,973; Dec. 18.
Kreider, A. S., Shoe Co., The. (See Kreider, Clement H., assignor.)
Kreider, Clement H., Harrisburg, assignor to The A. S. Kreider Shoe Co., Annville, Pa. Shoe. Des. 94,088; Dec. 18.
Kreis, Oscar C., assignor to The Studebaker Corporation, South Bend, Ind. Diesel engine. 1,984,836; Dec. 18.
Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Farm buildings. 1,985,037; Dec. 18.
Krissiep, Max, Wyomissing, assignor, by mesne assignments, to Berkshire Knitting Mills, West Reading, Pa. Ornamented knitted fabric and making the same. 1,985,210; Dec. 18.
Kroenig, Walter. (See Pfer, M., and Kroenig.)
Kroesen, Jay C., Belleville, N. J. Multiple printer. 1,985,038; Dec. 18.
Kronenberg, Rudolf, Haus Kronenberg, Germany. Measuring apparatus for rolled material. 1,984,837; Dec. 18.
Kruckenberg, Frans, et al. (See Barske, Ulrich, assignor.)
Krueger, Frank, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for forming smoothly rounded can bodies. 1,985,039; Dec. 18.
Krug, Ira R., assignor of forty-five one-hundredths to C. E. Beatty and ten one-hundredths to M. M. Krug, Philadelphia, Pa. Tentering device. 1,984,377; Dec. 18.
Krug, Mildred M., et al. (See Krug, Ira R., assignor.)
Krupp, Fried, Grusonwerk Aktiengesellschaft. (See Johannsen, Friedrich, assignor.)
Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Folder mounting for sewing machines. 1,984,587; Dec. 18.
Kuenhold, Otto J., Shaker Heights, assignor to The Forest City Foundries Company, Cleveland, Ohio. Furnace structure. 1,984,933; Dec. 18.
Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 1,985,100; Dec. 18.
Le Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,984,883; Dec. 18.
Laché, Augustin, assignor to Société Anonyme Nouvelle Societe de Construction, late N. Schlumberger & Cie, Guebwiller, France. Split drum winding machine. 1,985,175; Dec. 18.
La Duke, Louis M., assignor to Potter Manufacturing Company, Jackson, Mich. Metallic container. 1,984,934; Dec. 18.
Laffoon, Carthrae M., Irwin, and B. A. Rose, Swissvale, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling means for conductors. 1,985,040; Dec. 18.
Laico, Joseph P. (See Ronci, V. L., and Laico.)
L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. (See Claude, G., and Le Rouge, assignors.)
Lamatsch, Frederick, Grantwood, N. J., assignor to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism. 1,984,749; Dec. 18.
La Mayeau, William F., J. W. Farmer, and H. M. Smith, assignors to Standard Ventilator and Heater Co. Inc., Minneapolis, Minn. Automobile heating system and heater. 1,984,935; Dec. 18.
Lamb, Robert M., Jacksonville, Fla. Multiple bolt lock. 1,985,176; Dec. 18.
Lambert, Chandler W., Cleveland, Ohio. Automatic variable pitch propeller. 1,985,041; Dec. 18.
Lamson Company, The. (See Frost, M. O., and Mattler, assignors.)
Lamson Company, The. (See Marcy, Willard A., assignor.)
Lane, Clarence E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 1,985,042; Dec. 18.
Lange, Heinrich, Neuhaus-on-the-Rennweg, Germany, assignor to General Electric Company. Insulating support means for the current leads of luminous signs. 1,984,486; Dec. 18.
Lapointe, Francis J., Ann Arbor, Mich. Broaching machine. 1,984,974; Dec. 18.
Laporte, Francis L., St. Louis, Mo. Cooler. 1,985,043; Dec. 18.
Larsen, Leonard O., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaning nonferrous alloys. 1,984,534; Dec. 18.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Grinding wheel. 1,984,936; Dec. 18.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Punching machine. 1,985,101; Dec. 18.
Lawrence, John T., Inman, S. C. Collapsible fish basket. 1,985,177; Dec. 18.
Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing oxygenated organic compounds. 1,984,884; Dec. 18.
Leach, C. H., Company. (See Weber, Nicholas, assignor.)
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Vibration damper for vehicle propelling apparatus. 1,984,413; Dec. 18.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Coating metal articles. 1,984,414; Dec. 18.
Leeds & Northrup Company. (See Doyle, Edgar D., assignor.)
Leeds & Northrup Company. (See Doyle, E. D., and Heath, assignors.)
Lehn & Fink, Inc. (See Klarmann, Emil, assignor.)
Lempco Products, Inc. (See Blazek, J. Y., and Anderson, assignors.)
Leonard, Arthur G., jr., Wilmington, assignor to Orenda Corporation, Chicago, Ill. Apparatus for making roofing. 1,984,647; Dec. 18.
Lerch, Peter B. (See McBride, E. A., Kelleher, and Lerch.)
Le Rouge, Jean. (See Claude, G., and Le Rouge.)
Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
Lide, Martin J., Birmingham, Ala. Concentrating mechanism. 1,984,684; Dec. 18.
Liebergeld, Alfred. (See Singer, F., and Liebergeld.)
Liebusch, Max, Kotzschenbroda, Germany. Sheet feeding apparatus. 1,984,538; Dec. 18.
Lillibridge, Ray D. (See Woods, John H., assignor.)
Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)
Lincoln Engineering Company. (See Boehm, William S., assignor.)
Lind, John. (See Dysart, A. S., Fraser, and Lind.)
Linde Air Products Company, The. (See Moss, Herbert H., assignor.)
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,984,487; Dec. 18.
Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. G. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,984,801; Dec. 18.
Link-Belt Company. (See Mlick, F. E., and Major, assignors.)
Livinson, Benjamin H., New York, N. Y., and H. F. Webster, St. Louis, Mo. Pinking attachment or machine. 1,984,937; Dec. 18.
Lodder, William B., Syracuse, N. Y. Agitator. 1,984,975; Dec. 18.
Loeb, Joseph H., Morgan City, La. Attachment for bookkeeping machines. 1,985,178; Dec. 18.
Long, George A. and W. W., assignors to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay station. 1,984,976; Dec. 18.
Long, William W. (See Long, George A. and W. W., assignors.)
Lorig, Frank W., Lakewood, Ohio. Apparatus for handling rods. 1,984,750; Dec. 18.
Lowell, John W. (See Clark, B. S., and Lowell.)
Lubrication Corporation, The. (See Creveling, John L., assignor.)
Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-amino arylene thiazoles and their production. 1,984,885; Dec. 18.
Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-aminoarylene thiazoles and their production. 1,984,886; Dec. 18.
Lucas, Walter C., assignor to National Chair Company, Inc., Asheboro, N. C. Chair seat. Des. 94,089; Dec. 18.
Ludy, George B., Cedar Rapids, Iowa. Tag. 1,984,589; Dec. 18.
Lundahl, Ossian, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 1,984,535; Dec. 18.
Luthringshausen, Henry A., and I. Pine, New Orleans, La. Mirror attachment for automobiles. 1,985,179; Dec. 18.

Lyle, Frederick W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current control apparatus. 1,985,044; Dec. 18.
Lytle, Harry R., Sacramento, assignor to Knapp Manufacturing Corporation, Oakland, Calif. Earth mover. 1,984,648; Dec. 18.
Macallen Company, The. (See Banks, W. H., jr., and Graham, assignors.)
Macallum, Alexander D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Preparation of cyanhydrins. 1,984,415; Dec. 18.
Mackert, Albert A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock device. 1,984,887; Dec. 18.
MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pressure regulator for gas refrigerator pilot lights. 1,984,592; Dec. 18.
Maddin, Fred V., Tulsa, Okla. Theft prevention device. 1,984,590; Dec. 18.
Madge, Evelyn W., Erdington, and A. N. Ward, Bordesley Green, assignors to Dunlop Rubber Company Limited, Birmingham, England. Manufacture of goods of or containing rubber or similar material. 1,985,045; Dec. 18.
Maguire, James F. (See Bonney, R. D., and Maguire.)
Major, Frederick E. (See Mlick, F. E., and Major.)
Maki, Julius. (See Koplin, H., and Maki.)
Mallery, Ellis, Altadena, Calif. Mining streams. 1,984,802; Dec. 18.
Mallory Hat Company, The. (See Reynolds, Ralph K., assignor.)
Mange, Frédéric, assignor to Societe Indo-Chinoise Forestiere et des Allumettes, Paris, France. Method and machine for manufacturing boxes such as match boxes. 1,985,180; Dec. 18.
Manning, J. Nelson, Shoe Mfg. Co. (See Patch, Roy N., assignor.)
Manson, Frank G., Dayton, Ohio, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,984,378; Dec. 18.
Marcy, Willard A., assignor to The Lamson Company, Syracuse, N. Y. Conveyer mechanism. 1,984,685; Dec. 18.
Margles, Samuel G. (See Lindquist, D. L., Handy, and Margles.)
Mark, Hermann, Mannheim and H. Fikentscher, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of artificial masses. 1,984,417; Dec. 18.
Markman, Milton K., Crystal Lake, Ill. Sign support. Des. 94,090; Dec. 18.
Markman, Milton K., Crystal Lake, Ill. Combined sign post and lamp. Des. 94,091; Dec. 18.
Marlowe, Glenn T., Vallejo, assignor to Standard Stations, Incorporated, San Francisco, Calif. Battery filler. 1,984,803; Dec. 18.
Marrison, Warren A., Maplewood, and L. A. Meacham, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave production. 1,985,046; Dec. 18.
Martin, Eugene H., Akron, Ohio. Tie clasp. 1,984,838; Dec. 18.
Martin, George A., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Brake for sheet feeding apparatus. 1,984,888; Dec. 18.
Martin, Jesse C., jr., Los Angeles, Calif., assignor to Walworth Patents Inc., Boston, Mass. Valve. Re19,399; Dec. 18.
Marziani, Joseph, and N. Casini, Philadelphia, Pa. Exercising and amusement device. 1,984,591; Dec. 18.
Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Forming radiators. 1,984,938; Dec. 18.
Masoner, William J., Oak Park, Ill. Control system for heaters. 1,985,047; Dec. 18.
Massle, Raymond N., Chicago, Ill. Airplane wing structure model. Des. 94,092; Dec. 18.
Mather, Percy, and D. J. Bergman, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,984,686; Dec. 18.
Matthews, Howard D., assignor to W. M. Chace Valve Company, Detroit, Mich. Bimetallic element. 1,985,181; Dec. 18.
Mattler, Peter. (See Frost, M. O., and Mattler.)
Maxwell, Edwin, New York, and J. Kaplan, Brooklyn, N. Y. Electric display fixture. Des. 94,093; Dec. 18.
McBane, Walter W. (See Talbot, H. H., and McBane.)
McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Delivery mechanism for printing machines. 1,985,211; Dec. 18.
McBride, Eugene A., D. Kelleher, and P. B. Lerch, assignors to Thompson Products Incorporated Cleveland, Ohio. Making hollow valves. 1,984,751; Dec. 18.
McClure, Milton B. (See Spurgeon, S. J., and McClure.)
McCurdy, Oscar S., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston ring joint. 1,984,889; Dec. 18.
McDonald, Charles S., and J. F. Putnam, Berkeley, and R. M. McHale, Oakland, assignors to Standard Oil Company of California, San Francisco, Calif. Protective coating and objects coated therewith. 1,984,649; Dec. 18.
McElroy, John H., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,984,890; Dec. 18.
McFadden, John H., Lincoln, Nebr. Track gauging device. 1,984,650; Dec. 18.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Starter gearing. 1,985,182; Dec. 18.
McHale, Roy M. (See McDonald, C. S., Putnam, and McHale.)
McIlvaine, Douglas K., Connellsville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric meter. 1,985,048; Dec. 18.
McKay Company, The. (See Bond, Frank A., assignor.)
McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle cap. 1,984,752; Dec. 18.
McNally, James G., and N. F. Beach, assignors to Eastman Kodak Company, Rochester, N. Y. Noncurling cellulose organic derivative film and making same. 1,984,416; Dec. 18.
McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,985,183; Dec. 18.
McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tool lifting device. 1,985,049; Dec. 18.
Meacham, Larned A. (See Marrison, W. A., and Meacham.)
Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Producing luminous flame in furnaces. 1,984,687; Dec. 18.
Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin controlled apparatus. 1,984,536; Dec. 18.
Menhall, James W., Edgerton, Wis. Protective covering for automobile seats. 1,985,222; Dec. 18.
Merle, André, New York, assignor of one-half to E. Williams, Scarsdale, N. Y. Air conditioning system. 1,985,050; Dec. 18.
Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Torpedo tube. 1,985,184; Dec. 18.
Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Remote controlled device for inserting and extracting primers for large bore guns. 1,985,185; Dec. 18.
Metlox Corporation, Ltd. (See Prouty, Willis O., assignor.)
Metropolitan Engineering Company. (See Bennett, I. T., and Reynolds, assignors.)
Meves, Hugo, Chicago, Ill. Dispensing device. 1,984,651; Dec. 18.
Meyer, Andre J., Grosse Pointe Village, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,984,537; Dec. 18.
Meyer, John F. (See Smith, Percy C., assignor.)
Michelssen, Fritz. (See Jobst, G., Michelssen, and Wehnert.)
Miehle, Mabel K., administratrix. (See Miehle, Robert.)
Miehle, Robert, deceased, Chicago, Ill., by M. K. Miehle, administratrix. Inking mechanism for printing presses. 1,985,186; Dec. 18.
Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical rectifying and filtering system. 1,984,418; Dec. 18.
Mlick, Frederick E., Philadelphia, and F. E. Major, Elkins Park, Pa., assignors to Link-Belt Company, Chicago, Ill. Screen. 1,984,891; Dec. 18.
Miller, Anne, Turso, Caithness, Scotland. Vehicle tire. 1,985,187; Dec. 18.
Miller, James A. (See Stock, J. H., and Miller.)
Miller, Julius H., Fallon, Nev. Rotary scraper. 1,985,188; Dec. 18.
Mills, Lindley E. (See Grether, E. F., and Mills.)
Minkler, William A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,985,051; Dec. 18.
Minster Machine Company, The. (See Wissman, Reuben E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
Mirick, Carlos B., Washington, D. C. Interference prevention for radio operated relays. 1,984,379; Dec. 18.
Mize, Earl W., assignor of one-fourth to R. W. Forbes, one-fourth to J. A. Fitzsimmons, and one-fourth to J. M. Bryant, Jacksonville, Fla. Refrigerator. 1,984,977; Dec. 18.
Mock, Frank C., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. Re19,400; Dec. 18.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Air cooler and circulator. 1,985,052; Dec. 18.
Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
Moffitt, Henry K., Harrisburg, Pa. Vehicle body equalizing mechanism. 1,984,978; Dec. 18.
Molitor, Frederick R. (See Skidmore, G. A., Molitor, and De Mott.)
Moller, Berneice, Piedmont, Calif. Hand guard. 1,984,613; Dec. 18.
Molter, Fred C., Superior, Wis. Radio frequency transformer and ribbon winding therefor. 1,984,979; Dec. 18.
Montenare, Anthony, Reading, Pa. Reed for musical instruments. 1,985,102; Dec. 18.
Montgomery, Henry S. (See Weir, J. W., and Montgomery.)

Montgomery Ward & Co. (See Chapman, Frederick D., assignor.)
Moore, Ninian R., Du Bois, Pa. Kitchen cabinet. 1,985,189; Dec. 18.
Moore, William F., Jackson Heights, assignor to The Texas Company, New York, N. Y. Process and apparatus for cracking oils. 1,985,053; Dec. 18.
Moos, Frank, Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Fluid flow switch and making the same. 1,984,419; Dec. 18.
Moss, Herbert H., Brooklyn, N. Y., assignor to The Linde Air Products Company. Tubular anchorage boot for structural columns. 1,984,753; Dec. 18.
Mougey, Wilbur E., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reeling apparatus. 1,984,538; Dec. 18.
Moulin, Gabriel. (See Moulin, G., and Lathe, assignor.)
Moulin, Gabriel, San Francisco, and F. A. Lathe, Oakland, Calif.; said Lathe assignor to said Moulin. Camera. 1,984,420; Dec. 18.
Movietonews, Inc. (See Sponable, Earl I., assignor.)
Moyses, Harry E. (See Davis, Maurice E., assignor.)
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Top feed mechanisms for blind stitch sewing machines. 1,984,593; Dec. 18.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 1,984,754; Dec. 18.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 1,984,755; Dec. 18.
Muench, Eduard, and H. Ufer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Liquid for transferring energy and lubricating. 1,984,421; Dec. 18.
Mulder, Cornelis A. H., Oosterbeek, Netherlands, assignor to General Electric Company. Local heating of bodies. 1,984,488; Dec. 18.
Müller, Carl W., Dresden-Weisser Hirsch, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for conveying cut tobacco. 1,984,980; Dec. 18.
Müller, Franz H. (See Schambach, H., and Müller.)
Mulloy, Harold D., Evanston, and F. Cassen, Chicago, Ill. Automobile lock. 1,985,190; Dec. 18.
Murphy, Edward A. (See Twiss, D. F., Murphy, and Niven.)
Murray, Guy L., Leeds, assignor of one-half to N. R. Davis, London, England. Identification means for tools. 1,984,839; Dec. 18.
Murray, James S., assignor, by mesne assignments, to associated Electric Laboratories, Inc., Chicago, Ill. Meter testing arrangement. 1,984,688; Dec. 18.
Murray, Thomas J. (See Jones, C. W., Murray, and Andersen.)
Mutsaers, Johannes P. M., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 1,984,489; Dec. 18.
N. V. Nederlandsche Instrumenten Compagnie. (See Burkhardt, Otto, assignor.)
Nachumsohn, Irving, assignor to Naxon Corporation, Chicago, Ill. Sign flasher. 1,984,939; Dec. 18.
Nagy, Elmer V., and A. C. Elder, assignors of twenty percent to A. Rothenberg, Los Angeles, Calif. Liquid treating device. 1,984,689; Dec. 18.
Nahigyan, Kevork K., assignor to Riley Stoker Corporation, Worcester, Mass. Gas scrubber. 1,984,690; Dec. 18.
Nalle, John M., Fairfield, Conn., assignor to American Chain Company, Inc. Controlling oscillations of vehicle bodies. 1,984,539; Dec. 18.
Napier Company, The. (See Schuelke, Emil A., assignor.)
Nardiello, Manuel V., Toledo, Ohio, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Capping machine for specimens. 1,984,691; Dec. 18.
National Aniline & Chemical Company, Inc. (See Ellzey, Esco F.)
National Carbon Co., Inc. (See Casella, Secondo L., assignor.)
National Cash Register Company, The. (See Berger, Friedrich W. F., assignor.)
National Cash Register Company, The. (See Scott, H. B., and Warner, assignors.)
National Chair Company, Inc. (See Lucas, Walter C., assignor.)
National Electric Products Corporation. (See Fullman, James M. G., assignor.)
National Rubber Machinery Company. (See Shook, Florain J., assignor.)
National Tailoring Company. (See Izard, Arthur P., assignor.)
National Tube Company. (See Beattie, Thomas W. C., assignor.)
National Tube Company. (See Offutt, John W., assignor.)
National Tube Company. (See Speller, Frank N., assignor.)
Naxon Corporation. (See Nachumsohn, Irving, assignor.)
Neff, Johannes, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Device for transferring articles from a continuously moving conveyer band to another conveyer band. 1,984,981; Dec. 18.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Liquid injecting and ejecting apparatus. 1,984,422; Dec. 18.
Nelson, Axel, Great Neck, N. Y. Connecter. 1,984,540; Dec. 18.
Nelson, Emil A., Detroit, Mich. Wheel. 1,985,054; Dec. 18.
Neresheimer, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the benzanthraquinone acridine series and making them. 1,984,941; Dec. 18.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,984,541; Dec. 18.
Ness, James S., Chicago, Ill., assignor to Waters-Genter Company, Minneapolis, Minn. Combined tray, bread knife, and holder. Des. 94,094; Dec. 18.
Neulen, Lester N. (See Smith, H. L., and Neulen.)
Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Registering web feed for wrapping machines. 1,984,804; Dec. 18.
Neville Ryland Davis. (See Murray, Guy L., assignor.)
New Haven Dispensary, The. (See Anderson, R. J., and Newman, assignors.)
New Jersey Clay Products, Inc. (See Holby, Frank A., assignor.)
Newman, Melvin S. (See Anderson, R. J., and Newman.)
New York Air Brake Company, The. (See Campbell, C. A. and Vroman, assignors.)
Nicholl, Leonard, Nyack, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Ester of polycarboxylic acids containing one or more alkoxy methylene groups and their production. 1,984,982; Dec. 18.
Nicholl, Leonard, Nyack, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Solvent or plasticizer for compositions with cellulose derivatives. 1,984,983; Dec. 18.
Nichols, Fred L., Minneapolis, Minn. Door operating mechanism. 1,984,692; Dec. 18.
Nies, John D., St. Charles, assignor to Kimble Electric Company, Chicago, Ill. Control means for printing presses. 1,984,693; Dec. 18.
Niven, Alfred. (See Murphy, E. A., Twiss, and Niven.)
North, Stanley C., assignor of one-third to S. H. Keeling and one-third to D. H. Keeling, Syracuse, N. Y. Overrunning clutch construction. 1,984,490; Dec. 18.
Norton Company. (See Larsson, Thure, assignor.)
Nottingham, William L., Capeville, Va. Tennis court marker. 1,985,191; Dec. 18.
Nottoli, Victor A., Chicago, Ill. Spring suspension for vehicle wheels. 1,984,694; Dec. 18.
Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Pa. Phenolic condensation product and making the same. 1,984,423; Dec. 18.
Oakes Products Corporation. (See Gottlieb, O. F., and Sandberg, assignors.)
Odell, William W., Pittsburgh, Pa. Producing chemical reactions. 1,984,380; Dec. 18.
O'Farrell, Gerald A., Oakmont, Pa. Draftsman's table. 1,985,212; Dec. 18.
Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Tube handling apparatus. 1,984,756; Dec. 18.
Olivier, Jules A., assignor to Dietrich, Incorporated, Detroit, Mich. Folding top. 1,984,695; Dec. 18.
Olson, Edward A., East Orange, N. J. Envelope. 1,985,103; Dec. 18.
Olson, Harry F., Collingswood, N. J., assignor to Radio Corporation of America. Acoustic device. 1,984,542; Dec. 18.
O'Marra, Martin, New York, N. Y. Spark plug. 1,985,192; Dec. 18.
Orenda Corporation. (See Leonard, Arthur G., jr., assignor.)
Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variably tuned piezo-electric resonator. 1,984,424; Dec. 18.
Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Varying radio frequency. 1,985,104; Dec. 18.
Otis Elevator Company. (See Lindquist, D. L., Handy, and Margles, assignors.)
Ott, John E., assignor to Acme Steel Company, Chicago, Ill. Sealing device. 1,984,652; Dec. 18.
Overdick, Fritz, Leverkeusen/Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposing thiocyanic acid. 1,984,757; Dec. 18.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making insulating glass. 1,984,942; Dec. 18.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass cutting apparatus. 1,984,943; Dec. 18.
Owen, William A., Johnson City, Tenn. Evaporating device for refrigerating systems. 1,984,758; Dec. 18.
Ozdobinski, Antoni, Edwardsville, Pa. Dustpan attachment for brooms. 1,984,491; Dec. 18.
Pacent, Louis G. (See Aceves, Julius G., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Padilla, Carlos E., assignor to P. R. Pelayo, New York, N. Y. Lubricating device. 1,984,543; Dec. 18.
Page, Alfred C., assignor to Detroit Trust Company, Detroit, Mich. Method of and apparatus for lapping gears. 1,985,213; Dec. 18.
Pagendarm, John F. (See Davison, H. H., and Pagendarm.)
Pagenhart Research Corporation. (See Giddens, Paul K., assignor.)
Palmer, Donald R., Little Neck, N. Y., and F. M. Sayford, Montclair, N. J., assignors to Frank M. Sayford Co., Inc. Insulating means. 1,984,653; Dec. 18.
Parker, Frank O., administrator. (See French, John P.)
Parkhurst, Frederic A., Bethesda, Md., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Making toothbrush handles. 1,984,805; Dec. 18.
Parkinson, James A., Topeka, Kans. Railway signal system. 1,984,840; Dec. 18.
Patch, Roy N., assignor to J. Nelson Manning Shoe Mfg. Co., Worcester, Mass. Card holder. 1,984,594; Dec. 18.
Patton, Bernard J., deceased, by J. V. Patton, Cleveland, Ohio, administratrix. Refractory material. 1,984,759; Dec. 18.
Patton, Josephine V., administratrix. (See Patton, Bernard J.)
Paxton Credit Corporation. (See Paxton, Hale, assignor.)
Paxton, Hale, Redlands assignor to Paxton Credit Corporation, Sanger, Calif. Cleat supporting mechanism. 1,985,055; Dec. 18.
Peace, Minor E., Magnolia, Ark. Portable sawmill. 1,984,492; Dec. 18.
Pearlman, Julius, assignor to International Projector Corporation, New York, N. Y. Lens attaching means for cameras. 1,984,544; Dec. 18.
Pease, Frederick J., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Generator control. 1,984,696; Dec. 18.
Peebles, David D., Eureka, Calif. Method and apparatus for treatment of nongaseous materials. 1,984,381; Dec. 18.
Peelle Company, The. (See Peelle, Robert S., assignor.)
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn N. Y. Lock for counterbalanced elevator doors. 1,984,425; Dec. 18.
Peet, John L. (See Dahl, L. S., and Peet.)
Pelayo, Pastor R. (See Padilla, Carlos E., assignor.)
Perry, Walter J., Baltimore, Md. Device for medicating cigarettes. 1,984,984; Dec. 18.
Person, Earl R., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for blowing hollow articles. 1,984,697; Dec. 18
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Comparing alternating current voltages. 1,984,545; Dec. 18.
Petty, George M. (See Waldrop, E. H., and Petty.)
Pfefferle, George H., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Gasket for pipe joints and clamps. 1,984,806; Dec. 18.
Pfening, Fred D., Company, The. (See Pfening Frederic D. and H., assignors.)
Pfening, Frederic D. and H., jr., assignors to The Fred D. Pfening Company, Columbus, Ohio. Mixing valve. 1,984,595; Dec. 18.
Pfening, Henry, jr. (See Pfening, Frederic D. and H.)
Pferdmenges, Heinrich, Giesenkirchen/Rheydt, Germany. Method and apparatus for regulating the weight of the laps produced by the scutcher in a spinning mill. 1,985,056; Dec. 18.
Phelps Dodge Copper Products Corporation. (See Staples, Horace A., assignor.)
Phelps Dodge Copper Products Corporation. (See Staples, Horace A., assignor.)
Philips', N. V., Gloeilampenfabrieken. (See Jonas, Gottfried B., assignor.)
Philips', N. V., Gloeilampenfabrieken. (See van Geel, W. C., de Boer, and Emmens, assignors.)
Phillips, Maurice M., and A. P. Schaefer, Pittsburgh, Pa. Thermostatically regulated mixing valve. 1,984,892; Dec. 18.
Philpott, La Verne R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Facsimile transmitter. 1,985,057; Dec. 18.
Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 94,095; Dec. 18.
Piccirilli, Pasquale J., Crestwood, N. Y. Pavement slab. 1,984,944; Dec. 18.
Pickett, Warren S., Santa Clara, Calif. Window shade raising device. 1,985,105; Dec. 18.
Pier, Mathias, Heidelberg, and W. Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation. 1,984,596; Dec. 18.
Pierce, Raymond T., Milburn, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical testing apparatus. 1,984,493; Dec. 18.
Pine, Isidore. (See Luthringshausen, H. A., and Pine.)
Pinkerton, Milan H., Marshalltown, Iowa. Gasoline stove and operating same. 1,984,494; Dec. 18.
Pioneer Butter Wrapping Machine Company. (See Ratliff, George D., assignor.)
Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,984,428; Dec. 18.
Pirani, Marcello, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,984,426; Dec. 18.
Pirani, Marcello, Berlin-Wilmersdorf, and H. Ewest, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,984,427; Dec. 18.
Pirani, Marcello, Berlin-Wilmersdorf, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 1,984,429; Dec. 18.
Pittsburgh Equitable Meter Company. (See MacLean, Allen D., assignor.)
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pittsburgh Plate Glass Company. (See Koupal, Walter G., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Platte, John F., South Gate, Calif. Awning. 1,984,807; Dec. 18.
Plechl, Otto, Pfaffstatten, near Vienna, Austria, assignor to Aktiengesellschaft Brown Boverl & Cie, Baden, Switzerland. System for regulating load interchange. 1,984,940; Dec. 18.
Plotkin, Oscar H., assignor to S. Dresner & Son, Inc., Chicago, Ill. Luggage. 1,984,698; Dec. 18.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,984,495; Dec. 18.
Pollock, Max. (See Friedman, H. L., and Pollock.)
Pope Machinery Corporation. (See Staples, J. W., and Brooks, assignors.)
Popov, Vladimir D., Prague-Bubenec, Czechoslovakia. Conveying cigarettes through cigarette-packing machines. 1,984,808; Dec. 18.
Popovich, Nicholas, Teaneck, N. J., assignor of one-third to J. A. Taferner and one-third to L. J. Schlitzer, New York, N. Y. Eye set for dolls. 1,984,654; Dec. 18.
Potter Manufacturing Company. (See La Duke, Louis M., assignor.)
Powel, William G., Mitcham Common, England. Machine for the manufacture of roofing tiles, bricks, paving slabs, paving tiles, and the like. 1,984,985; Dec. 18.
Powell, Richard, et al. (See Howell, David, assignor.)
Prahl, Milton A. (See Welland, H. J., Henke, and Prahl.)
Precision Metal Workers. (See Birr, Rudolph G., assignor.)
Prentiss, Augustin M., San Antonio, Tex. Carburetor. 1,984,382; Dec. 18.
Pro-Phy-Lac-Tic Brush Company. (See Elliott, William S., assignor.)
Pro-Phy-Lac-Tic Brush Company. (See Parkhurst, Frederic A., assignor.)
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhatten Beach, Calif. Theater marquise. 1,984,986; Dec. 18.
Pullman Car & Manufacturing Corporation. (See Banning, Thomas A., jr., assignor.)
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Combined spout and closure for containers. 1,984,597; Dec. 18.
Pure Oil Company, The. (See Wagner, Cary R., assignor.)
Purdy, Emmett G., Detroit, Mich., assignor to Detroit Body Die Company. Motor vehicle. 1,984,546; Dec. 18.
Putnam, Joseph F. (See McDonald, C. S., Putnam, and McHale.)
Quaker City Iron Works. (See Jensen, James A., assignor.)
Quarles, Lawrence R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phototube control of grid-glow tubes. 1,984,987; Dec. 18.
Quarnstrom, Theodore V., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Package. 1,984,760; Dec. 18.
Radio Corporation of America. (See de Bretteville, Henri J. J. M. D., assignor.)
Radio Corporation of America. (See Du Mont, Allen B., assignor.)
Radio Corporation of America. (See Jenkins, Charles F., assignor.)
Radio Corporation of America. (See Miessner, Benjamin F., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Stapler, Floricel A., assignor.)
Radio Patents Corporation. (See Geffcken, H. H., and Richter, assignors.)
Radio Patents Corporation, The. (See Rath, Karl, assignor.)
Radio Research Laboratories, Inc. (See Haffcke, Philip M., assignor.)
Radio Research Laboratories, Inc. (See Heany, John A., assignor.)
Radio Research Laboratories, Inc. (See St. Laurent, Herbert, assignor.)
Rapisarda, Edward D., Agawam, Mass. Laundry press. 1,984,496; Dec. 18.
Raspe, Friedrich, et al. (See Rochstroh, J., Raspe, and Kircher.)
Rassmussen, Martin, Los Angeles, Calif. Stepladder. 1,984,655; Dec. 18.

Rastetter, William C., Fort Wayne, Ind. Combination folding chair and table. 1,984,699; Dec. 18.
Rath, Karl, assignor to The Radio Patents Corporation, New York, N. Y. Gas discharge device. 1,985,058; Dec. 18.
Ratliff, George D., Clinton, assignor to Pioneer Butter Wrapping Machine Company, Jackson, Miss. Wrapping machine. 1,984,761; Dec. 18.
Ranpach, Wilhelm, and F. Kalkner, Nuremberg, Germany, assignors to Westinghouse Electric and Manufacturing Company. Welding method. 1,984,988; Dec. 18.
Rawson, Emanuel, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust steam injector. 1,984,547; Dec. 18.
Raytheon Production Corporation. (See Spencer, Percy L., assignor.)
Reed, George B., Philadelphia, Pa. Pedal attachment for dancing and the like. 1,984,989; Dec. 18.
Reed, Llewelyn M., Devon, Conn., assignor of three-fourths to Bundy Steam Trap Company, Nashua, N. H. Steam trap. 1,985,059; Dec. 18.
Reed, William A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading tool. 1,984,430; Dec. 18.
Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,984,598; Dec. 18.
Regal Shoe Company. (See Bliss, Elmer J., assignor.)
Reger, Martin. (See Pirani, M., and Refer.)
Reichmann, Reinhold, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Agent for polishing, sharpening, and grinding articles of great hardness. 1,984,841; Dec. 18.
Reilly, Peter C. (See Derby, Ira H., assignor.)
Reineman, Alfred, New York, N. Y. Surfacing head. 1,984,990; Dec. 18.
Remac Patents Corporation. (See Spence, John L., jr., assignor.)
Remington Rand Inc. (See Lasker, William W., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Re Qua, Frederick L., assignor to Steel-Weld Equipment Corporation Ltd., San Francisco, Calif. Electric arc welding apparatus. 1,984,809; Dec. 18.
Reynolds, Frank C. (See Bennett, I. T., and Reynolds.)
Reynolds, Ralph K., Danbury, Conn. Felting machine. 1,984,700; Dec. 18.
Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Apparatus for and method of shrinking and felting. 1,984,701; Dec. 18.
Richter, Hans R. (See Geffcken, H. H., and Richter.)
Ridel, Peter, Santa Barbara, Calif. Valve. 1,984,497; Dec. 18.
Rideout, John G. (See van Doren, H. L., and Rideout.)
Riley Stoker Corporation. (See Nahigyan, Kevork K., assignor.)
Rinaldi, Jean, New York, N. Y. Vending machine. 1,984,803; Dec. 18.
Rivet-Grip Steel Co., The. (See Tashjian, Armen H., assignor.)
Robaczynski, Ladislaus, Brooklyn, N. Y. Knitting machine. 1,984,991; Dec. 18.
Robbins, Azor D. (See Wirrer, G., and Robbins.)
Robbins, Harry, assignor to International Flouncing Co. Inc., New York, N. Y. Plaiting attachment for sewing machines. 1,985,106; Dec. 18.
Roberts, Joseph K., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Converting hydrocarbon oils. 1,985,214; Dec. 18.
Roberts, Samuel S., Pittsburgh, Pa. Descaler. 1,984,762; Dec. 18.
Robertson, George A., Richmond, Va. Sand cleaning machine and method. 1,984,431; Dec. 18.
Robertson, Robert, Pawtucket, R. I. Machine for operating on textile threads. 1,984,810; Dec. 18.
Robinson, Frank W., assignor to Schuylkill Hosiery Mills, Inc., Reading, Pa. Circular knitting machine. 1,984,656; Dec. 18.
Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Coral Gable, Fla. Combination tractor and trailer. Des. 94,096; Dec. 18.
Robinson, Jack, Wood River, assignor to Standard Oil Company, Chicago, Ill. Neutralizing a petroleum oil. 1,984,482; Dec. 18.
Roby, Frank M., Cleveland, Ohio. Gauge glass apparatus. 1,984,945; Dec. 18.
Rockstroh, Joachim, Cologne-Deutz, F. Raspe, Leverkusen I. G.-Werk, and H. Kircher, Leverkusen-Schlebusch, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of wurtzite from zinc blende. 1,984,763; Dec. 18.
Roebling's, John A., Sons Company. (See Swartz, Ulysses S. G., assignor.)
Roehm, Charles. (See Walker, E. R., and Roehm.)
Romac Motor Accessories Limited. (See Baggs, Charles B., assignor.)
Ronci, Victor L., Brooklyn, N. Y., and J. E. Clark, Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,984,992; Dec. 18.
Ronci, Victor L., and J. P. Laico, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,984,993; Dec. 18.
Ronci, Victor L., Brooklyn, J. E. Clark, Astoria, and D. A. Hale, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fluid circulation system. 1,984,548; Dec. 18.
Rose, Alex, Cleveland, Ohio. Doorcheck. 1,984,842; Dec. 18.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainesborough, England. Mechanism for twisting the ends of wrappers. 1,984,894; Dec. 18.
Rose, Bennie A. (See Laffoon, C. M., and Rose.)
Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
Rose, Herbert A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. McLeod gauge. 1,984,994; Dec. 18.
Rosenthal, Arthur, assignor to The Rose Patch & Label Company, Grand Rapids, Mich. Apparatus for cutting and folding labels. 1,984,657; Dec. 18.
Rosenthal, August and H. L., Wauwatosa, assignors to Rosenthal Manufacturing Co., West Allis, Wis. Corn harvester. 1,984,895; Dec. 18.
Rosenthal, Henry L. (See Rosenthal, August and H. L.)
Rosenthal Manufacturing Co. (See Rosenthal, August and H. L., assignors.)
Rose Patch & Label Company, The. (See Rosenthal, Arthur, assignor.)
Roth, Henry W., Detroit, Mich. Current time control for electric welding. 1,985,107; Dec. 18.
Rothe, Horst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Crystal controlled circuit. 1,984,896; Dec. 18.
Rothe, Horst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube. 1,984,897; Dec. 18.
Rothenberg, Abraham. (See Nagy, E. V., and Elder, assignors.)
Rourke, Alfred E., assignor of one-half to W. G. Abbott, San Francisco, Calif. Air conditioning machine. 1,984,658; Dec. 18.
Rowland, Dwight P., assignor to Burroughs Adding Machine Company, Detroit, Mich. Chair. 1,984,549; Dec. 18.
Royal Typewriter Company, Inc. (See Dowd, B. J., and Hart, assignors.)
Ruckman, Carl, and H. R. Hawkinson, Los Angeles, Calif. Card shuffling machine. 1,984,702; Dec. 18.
Rüdenberg, Reinhold. (See von Engel, A., Berthold, and Rüdenberg.)
Rumford Chemical Works. (See Fiske, A. H., and Bryan, assignors.)
Rummelt, Reuben, Durham, N. C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Selector switch. 1,984,703; Dec. 18.
Rumpel, Carl H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing device. 1,984,995; Dec. 18.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Pneumatic feed for scrap bunch machines. 1,984,811; Dec. 18.
Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Low capacity inductance coil. 1,984,433; Dec. 18.
Rush, Henry P., San Angelo, Tex. Surgical instrument. 1,985,108; Dec. 18.
Russell, Philip T., Mount Rainier, Md. Underwater transmitter and receiver. 1,984,383; Dec. 18.
Šafář, Josef, Znaim, Czechoslovakia. Educational device. 1,984,599; Dec. 18.
St. Laurent, Herbert, New Haven, Conn., assignor to Radio Research Laboratories, Inc. Coupling system and apparatus. 1,984,499; Dec. 18.
Sampair, Guy B. (See Foley, E. H., and Sampair.)
Sandberg, Ray A. (See Gottlieb, O. F., and Sandberg.)
Sandeman, Edward K., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud speaker. 1,984,550; Dec. 18.
Santini, Danilo, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 1,985,080; Dec. 18.
Sarantos, Yoakem N., Birmingham, Ala. Fly swatter. 1,984,436; Dec. 18.
Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
Sauer, Louis E., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ventilating means for electrical windings. 1,984,996; Dec. 18.
Sauerhoff, Charles W., Baltimore, Md. Wick for thermally responsive elements. 1,984,946; Dec. 18.
Sayford, Frank M. (See Palmer, D. R., and Sayford.)
Sayford, Frank M., Co., Inc. (See Palmer, D. R., and Sayford, assignors.)
Scandling, Fredric D., Brighton, and R. L. Van de Vate, Rochester, N. Y. Seed package and display means therefor. 1,984,434; Dec. 18.
Scarlett, Edward J., Oklahoma City, Okla. Razor blade sharpener. 1,984,764; Dec. 18.
Schacht Rubber Mfg. Co. (See Schacht, William J., assignor.)
Schacht, William J., Miami Beach, Fla., assignor to Schacht Rubber Mfg. Co., Huntington, Ind. Heel. Des. 94,097; Dec. 18.
Schaefer, Arthur P. (See Phillips, M. M., and Schaefer.)

Schaefer, Louis M., assignor to C. G. Conn, Ltd., Elkhart, Ind. Wind musical instrument. 1,984,704; Dec. 18.
Schaeffer, Elmer R., New York, N. Y., assignor to the Philip Carey Manufacturing Company. Structure, such as tank roof. 1,984,551; Dec. 18.
Schaeffer, John, assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Cultivator. 1,984,705; Dec. 18.
Schambach, Hugo, and F. H. Müller, Crefeld, assignors to the firm Durkopp-Werke A.-G., Bielefeld, Germany. Process and apparatus for copying photographs. 1,984,898; Dec. 18.
Scheller, Ernst, assignor to firm Carl Zeiss, Jena, Germany. Measuring drum for screw-micrometers. 1,985,061; Dec. 18.
Schenk, Gustav. (See Kind, W., Schenk, and Busch.)
Schilling, Heinrich. (See Baumann, P., Stadler, Schilling, and Bückert.)
Schlack, Paul. (See Friedrich, A., and Schlack.)
Schlitzer, Leo J., et al. (See Popovich, Nicholas, assignor.)
Schmelzer, Albert. (See Bergdolt, A., and Schmelzer.)
Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Arseno-stibio compounds and manufacture thereof. 1,984,765; Dec. 18.
Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Machine for wrapping rye bread. 1,984,812; Dec. 18.
Schnieder & Cie. (See Methlin, Nicolas E., assignor.)
Schoenfeld, Gustav, Great Falls, Mont. Toy. 1,984,843; Dec. 18.
Schuelke, Emil A., assignor to The Napier Company, Meriden, Conn. Shaker or similar article. Des. 94,098; Dec. 18.
Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Plaster base. 1,985,193; Dec. 18.
Schussler, Walter H., Philadelphia, Pa., assignor to International Cigar Machinery Company. Safety device for cutter rollers of cigar machines. 1,984,813; Dec. 18.
Schutt, Herman C. (See Cooke, M. B., and Schutt.)
Schuylkill Hosiery Mills, Inc. (See Robinson, Frank W., assignor.)
Schwartz, Frederick G., Bexley, Ohio. Sifting apparatus. 1,985,109; Dec. 18.
Schweibold, Alvin W., Monroe, Mich. Control device for automative generators. 1,984,947; Dec. 18.
Scott, Howard B., and E. Warner, assignors to The National Cash Register Company, Dayton, Ohio. Engraving machine. 1,984,552; Dec. 18.
Scurlock, Lewis H., Chicago, Ill. Food container unit. Des. 94,099; Dec. 18.
Seaver, Floyd, assignor to Swift and Company, Chicago, Ill. Smoking frankfurters. 1,984,435; Dec. 18.
Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for shaping metal can bodies. 1,984,600; Dec. 18.
Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Hand seamer for cans. 1,984,601; Dec. 18.
Serrell, John A., Pass-A-Grille, Fla., assignor to Warren Webster & Company, Camden, N. J. Thermally responsive system. 1,984,437; Dec. 18.
Sessions, Loys R., and J. B. Black, Waxahachie, Tex. Motor vehicle jack. 1,984,766; Dec. 18.
Shaffert, Willard H., Boston, Mass. Playground apparatus. 1,984,767; Dec. 18.
Shape, John S., Haverford, Pa. Transmission mechanism. 1,985,110; Dec. 18.
Sheffield, William M., New York, N. Y. Laminated die. 1,984,384; Dec. 18.
Shepard, Henry B. (See Warshaw, N., and Shepard.)
Sherman, John P., Gorham, Maine. Composite material. 1,984,814; Dec. 18.
Sherman, John Q., assignor to The Standard Register Company, Dayton, Ohio. Producing manifolding material. 1,985,062; Dec. 18.
Sherwood, Glenn L., and H. L. Johnson, Niles, Mich., assignors, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making composite metal bearing plates. 1,984,385; Dec. 18.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Apparatus for heating fluid. 1,985,215; Dec. 18.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating fluid. 1,985,216; Dec. 18.
Shofer, Marc R., Minneapolis, Minn., and J. V. Ewers, assignors of one-half to Iowa Fiber Box Company, Keokuk, Iowa, and one-half to South West Box Company, Sand Springs, Okla. Liner for shipping containers. 1,985,111; 1,985,111; Dec. 18.
Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Secondary-hexyl ethyl barbituric acid and its salts. 1,985,217; Dec. 18.
Shook, Florain J., assignor to National Rubber Machinery Company, Akron, Ohio. Vulcanizer. 1,984,768; Dec. 18.
Siemens & Halske Aktiengesellschaft. (See Fischer, Fritz, assignor.)
Siemens & Halske Aktiengesellschaft. (See Gehrts, August, assignor.)
Siemens & Halske Aktiengesellschaft. (See Kohl, Hans, assignor.)
Siemens & Halske Aktiengesellschaft. (See Reichmann, Reinhold, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Kind, W., Schenk, and Busch, assignors.)
Sigsbee, Isaac V., Peoria, Ill. Display machine. 1,984,948; Dec. 18.
Simmons, Harry M. (See Simmons, Stanley C. and H. M.)
Simmons, Stanley C., Oaklawn, Ill., and H. M. Simmons, Pittsburgh, Pa., assignors to Star-Service Hanger Company, Detroit, Mich. Conveying and grouping machine. 1,984,659; Dec. 18.
Simpson, Herbert S., Chicago, Ill. Bearing seal for mulling machines. 1,985,003; Dec. 18.
Sinclair Refining Company. (See Gullette, Willis S., assignor.)
Singer, Fritz, and A. Liebergeld, Nuremberg, Germany, assignors to Tubus A. G., Zurich, Switzerland. Extrusion press. 1,984,603; Dec. 18.
Singmaster & Breyer, Inc. (See Breyer, Frank G., assignor.)
Sivyer Steel Casting Company. (See Burke, Ralph, assignor.)
Skidmore, George A., Rahway, N. J., F. R. Molitor, College Point, and J. F. De Mott, New York, N. Y. Ink distributor. 1,985,112; Dec. 18.
Slauson, Harold W., Scarsdale, N. Y. Scoring device for duplicate games. 1,984,844; Dec. 18.
Slettevold, Ole, assignor to Hedman Manufacturing Company, Chicago, Ill. Signature writing machine. 1,984,706; Dec. 18.
Smith, Carlton H., Larchmont, assignor to Buggeln & Smith, New York, N. Y. Making envelopes. 1,985,194; Dec. 18.
Smith, Charles E., Creighton, Pa., assignor to Duplate Corporation. Apparatus for use with acid cleaning equipment. 1,984,899; Dec. 18.
Smith, Frederick H., Cranston, R. I. File testing machine. 1,984,769; Dec. 18.
Smith, Harlan M. (See La Mayeau, W. F., Farmer, and Smith.)
Smith, Harold E., Wildwood, N. J. Fresh air heater and circulator. 1,984,949; Dec. 18.
Smith, Howard L., Port Washington, N. Y., and L. N. Nenlen, West Englewood, N. J. Attachment for blackboards. 1,984,845; Dec. 18.
Smith, Neal G., Quitaque, Tex. Bumper shoe. 1,985,113; Dec. 18.
Smith, Percy C., Chicago, Ill., assignor to J. F. Meyer, Flintridge, Calif. Delivery device. 1,984,997; Dec. 18.
Smith & Stone Limited. (See Wold, Trygve, assignor.)
Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Vertical strip reel. 1,984,815; Dec. 18.
Snyder, Harry L., Los Angeles, Calif. Folding bracket. 1,984,602; Dec. 18.
Société Anonyme Nouvelle Societe de Construction, late Schlumberger & Cie. (See Laché, Augustin, assignor.)
Societe Indo-Chinoise Forestiere et des Allumettes. (See Mange, Frédéric, assignor.)
Sommer, William B., St. Paul, Minn. Exhaust device for internal combustion engines. 1,984,707; Dec. 18.
Sonoco Products Company. (See Stogner, Lawrence B., sr., assignor.)
Sorenson, Alfred K., assignor to Crane Co., Chicago, Ill. Reversible valve operating mechanism. 1,984,770; Dec. 18.
Soreny, Ernest, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical devices. 1,984,998; Dec. 18.
South West Box Company, et al. (See Shofer, M. R., and Ewers, assignors.)
Spieth, Charles P., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ignition composition. 1,984,846; Dec. 18.
Sparkes, Harry P. (See Kermode, J. T., Young, and Sparkes.)
Spath, Alois. (See Spath, Herman and A.)
Spath, Herman and A., Brooklyn, N. Y. Window device. 1,984,660; Dec. 18.
Spear, Ray D., San Leandro, Calif., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Tumbler. Des. 94,100; Dec. 18.
Speller, Frank N., Pittsburgh, Pa., assignor to National Tube Company. Treating tubular products. 1,984,771; Dec. 18.
Spence, James E., Wheeling, W. Va., assignor, by mesne assignments, to Mark W. Allen & Company, Detroit, Mich. Bottle. Des. 94,101; Dec. 18.
Spence, John L., jr., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Film safety cut-out for moving picture machines. 1,984,847; Dec. 18.
Spencer, Percy L., Medford, assignor to Raytheon Production Corporation, Cambridge, Mass. Vacuum tube. 1,984,816; Dec. 18.
Sperry Gyroscope Company, Inc. (See Bates, Mortimer F., assignor.)
Sperry Gyroscope Company, Inc. (See Gillmor, R. E., and Wittkuhns, assignors.)
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Line stop for typographical machines. 1,985,195; Dec. 18.
Spicers Limited. (See Bonamico, Charles, assignor.)

Sponable, Earl I., assignor, by mesne assignments, to Movietonews, Inc., New York, N. Y. Sound camera. 1,984,438; Dec. 18.
Spurgeon, Samuel J., Birmingham, Ala., and M. B. McClure, Atlanta, Ga. Electric fuse. 1,984,498; Dec. 18.
Stadler, Robert. (See Baumann, P., Stadler, Schilling, and Bückert.)
Stahl, Frank E., assignor to Columbus McKinnon Chain Company, Tonawanda, N. Y. Hoist drum. 1,984,604; Dec. 18.
Standard Brands Incorporated. (See Everett, John, assignor.)
Standard-I. G. Company. (See Pier, M., and Kroenig, assignors.)
Standard Oil Company. (See Robinson, Jack, assignor.)
Standard Oil Company (Indiana). (See Roberts, Joseph K., assignor.)
Standard Oil Company of California. (See McDonald, C. S., Putnam, and McHale, assignors.)
Standard Register Company, The. (See Sherman, John Q., assignor.)
Standard Stations, Incorporated. (See Marlowe, Glenn T., assignor.)
Standard Ventilator and Heater Co. Inc. (See La Mayeau, W. F., Farmer, and Smith, assignors.)
Stanley Works, The. (See Stowell, Austin L., assignor.)
Stapler, Floricel A., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Diaphragm. 1,984,439; Dec. 18.
Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Flexible electric conductor. 1,984,553; Dec. 18.
Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Hollow cable. 1,984,554; Dec. 18.
Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Flexible electric conductor. 1,984,555; Dec. 18.
Staples, John W., Haverhill, and W. C. Brooks, Groveland, assignors to Pope Machinery Corporation Haverhill, Mass. Heel-concaving machine. 1,984,900; Dec. 18.
Star-Service Hanger Company. (See Simmons, Stanley C. and H. M., assignors.)
Stedefeld, Curt, et al. (See Barske, Ulrich, assignor.)
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Steel-Weld Equipment Corporation Ltd. (See Re Qua, Frederick L., assignor.)
Steen, Harry S., assignor to Chicago Faucet Company, Chicago, Ill. Waste apparatus. 1,984,950; Dec. 18.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Water cooler. 1,985,004; Dec. 18.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating system. 1,985,005; Dec. 18.
Stein, Robert M., Baltimore, Md. Parking light. 1,984,817; Dec. 18.
Stevens, Earl E., Elmhurst, and D. D. Higgins, Chicago, Ill. Automatic frequency control system. 1,984,440; Dec. 18.
Stewart, Walter C., assignor, by mesne assignments, to The Boysell Company, Gastonia, N. C. Combined looper and loop cutting attachment for sewing machines. 1,984,772; Dec. 18.
Stickles, Rollo J., Sullivan, Wis. Throttle valve controller for tractors. 1,984,661; Dec. 18.
Stiemke, Walter H. (See Jett George C., assignor.)
Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Bobbin driving means. 1,984,773; Dec. 18.
Stock, Jhon H., Shullsburg, Wis., and J. A. Miller, Hampton, Iowa. Can boxing machine. 1,985,218; Dec. 18.
Stoddard, Charles F., assignor to R. S. Grogan, Chicago, Ill. Faucet. 1,984,999; Dec. 18.
Stogner, Lawrence B., sr., assignor to Sonoco Products Company, Hartsville, S. C. Die. 1,984,774; Dec. 18.
Stokes, Charles L., Beverly Hills, Calif., assignor, by mesne assignments to L. A. Williams, Evanston, and C. C. Bradbury, Glencoe, Ill., successor trustees. Automatic fuel regulator. Re19,401; Dec. 18.
Stokes, John S. (See Novotny, Emil E., assignor.)
Storer, Richard H., Vancouver, British Columbia, Canada. Duplex acknowledgement card with transparent envelope. 1,985,114; Dec. 18.
Storey, Ralph C. (See Ellis, G. H., and Storey.)
Stowe-Woodward, Inc. (See Warshaw, N., and Shepard, assignors.)
Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Combination square. 1,984,951; Dec. 18.
Strang Air Conditioning Corporation. (See Strang, J. J., and Brus, assignors.)
Strang, John J., and E. P. Brus, assignors to Strang Air Conditioning Corporation, Kansas City, Mo. Air conditioning device. 1,984,605; Dec. 18.
Stratton, John F. O., Pelham Manor, N. Y. Combustion. 1,984,441; Dec. 18.
Straub, Francis J., New Kensington, Pa. Making concrete blocks. 1,985,115; Dec. 18.
Straus, Sylvan M., Gloversville, N. Y. Making imitation pigskin articles. Re19,402; Dec. 18.
Streb, Robert J. (See Chappell, R., and Streb.)
Streeper, I. H., 3d. (See Westover, M. R., and Campbell.)
Stricklen, John R., and S. A. Fraine, Akron Ohio, assignors to Taylor Instrument Companies, Rochester, N. Y. Apparatus for the vulcanization of rubber tires and the like. 1,984,818; Dec. 18.
Studebaker Corporation, The. (See Kreis, Oscar C., assignor.)
Sullivan Machinery Company. (See Blom, Hjalmar T., assignor.)
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sullivan, Maurice P., Brooklyn, N. Y. Insulation framework. 1,984,848; Dec. 18.
Superheater Company, The. (See Rawson, Emanuel, assignor.)
Super Mold Corporation. (See Woock, Walter R. J., assignor.)
Surefit Products Company. (See Krasnov, Samuel, assignor.)
Surges, Nicholas J., Seattle, Wash. Gas burner device. 1,984,708; Dec. 18.
Sutherland, Lionel M. (See Farley, F. S., and Brown, assignors.)
Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,984,662; Dec. 18.
Swartz, Ulysses S. G., Pennington, assignor to John A. Roebling's Sons Company, Trenton, N. J. Adjustable die. 1,984,775; Dec. 18.
Swebilius, Carl G., New Haven, Conn. Firearm. 1,984,443; Dec. 18.
Swift and Company. (See Seaver, Floyd, assignor.)
Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 1,984,901; Dec. 18.
Sykes, Wilfred, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Power-transmission system. 1,985,000; Dec. 18.
Sylvania Industrial Corporation. (See Bleibler, Ernest, assignor.)
Syncro Machine Company. (See Fantone, C. B., and Jameson, assignors.)
Taferner, Joseph A., et al. (See Popovich, Nicholas, assignor.)
Talbot, Howard H., and W. W. McBane, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Multiple winding reel. 1,984,776; Dec. 18.
Tancred, William L. (See Mason, A. J., and Tancred.)
Tashjian, Armen H., assignor to The Rivet-Grip Steel Co., Cleveland, Ohio. Partition. 1,985,106; Dec. 18.
Tatham, Norman, assignor to H. P. De Witt, Los Angeles, Calif. Dental tool angle. 1,984,663; Dec. 18.
Tetlow, Lewis J., Holyoke, Mass. Spark plug. 1,984,952; Dec. 18.
Taub, Harry, assignor to Feminine Products, Inc., New York, N. Y. Deodorant composition. 1,984,669; Dec. 18.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll chuck. 1,984,500; Dec. 18.
Taylor Instrument Companies. (See Bandoly, Erich, assignor.)
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Taylor Instrument Companies. (See Stricklen, J. R., and Fraine, assignors.)
Taylor, Robert B., Kapaa, Territory of Hawaii. Peeling knife. 1,984,709; Dec. 18.
Taylor, William D., Aspinwall, Pa. Leaf spring. 1,984,902; Dec. 18.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rothe, Horst, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Teves, Alfred, Frankfort-on-the-Main, Germany. Sectional rotary compressor. 1,984,664; Dec. 18.
Texas Company, The. (See Moore, William F., assignor.)
Thomas, Adolph A., New York, N. Y. Photo-electric cell. 1,984,777; Dec. 18.
Thomas, August, assignor to Anker-Werke Aktiengesellschaft, Bielefeld, Germany. Thread drawing machine. 1,984,501; Dec. 18.
Thomas, Edward, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electrical switch. 1,984,710; Dec. 18.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,984,606; Dec. 18.
Thomas, Laurence H. (See Kuhn, F., and Thomas.)
Thomas, William M., Los Angeles, Calif. Double lens structure. 1,984,953; Dec. 18.
Thometz, Harry M., Oak Park, Ill. Inhaler. 1,985,001; Dec. 18.
Thompson, John, assignor of one-half to G. C. Hume, Chilton, Wis. Locking bung. 1,985,116; Dec. 18.
Thompson Products, Incorporated. (See Colwell, Archie T., assignor.)
Thompson Products Incorporated. (See McBride, E. A., Kelleher, and Lerch, assignors.)
Thornhill, Charles W., Houston, Tex. Fuel valve. 1,984,444; Dec. 18.

Tinius Olsen Testing Machine Company. (See Dysart, A. S., Fraser, and Lind, assignors.)
Tinius Olsen Testing Machine Company. (See Nardiello, Manuel V., assignor.)
Tip's Tool Company, Inc. (See Bodendieck, Henry W., assignor.)
Tirrito, Jasper, Chicago, Ill. Sounding trundling toy. 1,985,117; Dec. 18.
Toledo Scale Company. (See Reeves, Orwell C., assignor.)
Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
Toledo Scale Manufacturing Company. (See Thomas, Edward G., assignor.)
Toledo Scale Manufacturing Company. (See Zinke, Carl J., assignor.)
Tone, Jay E., Des Moines, Iowa. Gas generating apparatus. 1,984,665; Dec. 18.
Tretolite Company. (See De Groote, M. D., and Keiser, assignors.)
Tross, Ernest E., Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Uncoiler. 1,984,778; Dec. 18.
Truscon Steel Company. (See Schulz, Walter F., assignor.)
Tschudy, Frederick, Ensley, Ala. Separating composite materials. 1,984,886; Dec. 18.
Tubize Chatillon Corporation. (See Epps, Carl, assignor.)
Tubus, A. G. (See Singer, F., and Liebergeld, assignors.)
Turner, Albert, Siles, Pa. Jig for mounting split patterns. 1,984,387; Dec. 18.
Twickler, Raymond F., New Orleans, La. Stove pipe joint. 1,984,607; Dec. 18.
Twiss, Douglas F., and E. A. Murphy, Wylde Green, and A. Niven, Erdington, assignors to Dunlop Rubber Company Limited, London, England. Manufacture of rubber articles. 1,985,002; Dec. 18.
Ufer, Hanns. (See Muench, E., and Ufer.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Barber, William H., assignor.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
United-Carr Fastener Corporation. (See Holmes, George A., assignor.)
United Cigarette Machine Company, Aktiengesellschaft. (See Brunn, W., and Kaubisch, assignors.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
United Engineering & Foundry Company. (See Talbot, H. H., and McBane, assignors.)
United Engineering & Foundry Company. (See Tross, Ernest E., assignor.)
United Shoe Machinery Corporation. (See Bates, A., Barclay, and Hazelton, assignors.)
United Shoe Machinery Corporation. (See Bunker, Darius W., assignor.)
United Shoe Machinery Corporation. (See Reed, William A., assignor.)
United States Appliance Corporation. (See Keele, Ralph M., assignor.)
United States Envelope Company. (See Swift, Willard E., assignor.)
United States Hoffman Machinery Corporation. (See Koplin, H., and Maki, assignors.)
Universal Oil Products Company. (See Mather, P., and Bergman, assignors.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Müller, Carl W., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Neff, Johannes, assignor.)
Uyterhoeven, Willem, and C. Verburg, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 1,984,502; Dec. 18.
Uyterhoeven, Willem, and M. van Dam, Eindhoven, Netherlands, assignors to General Electric Company. Circuit. 1,984,503; Dec. 18.
Van Allen, Frederic L., and A. T. King, Philadelphia, assignors to Galen Wood, Media, Pa. Road heating machine. 1,984,849; Dec. 18.
Van Alstyne, Bonnie E., San Francisco, Calif. Copyholder. 1,984,711; Dec. 18.
Van Brunt Manufacturing Company, The. (See Schaeffer, John, assignor.)
Van Buren, John, Brooklyn, N. Y. Wrapping machine. 1,984,850; Dec. 18.
Van Dam, Martinus. (See Uyterhoeven, W., and van Dam.)
Van de Vate, Raymond L. (See Scandling, F. D., and Van de Vate.)
Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Speed control mechanism. 1,984,442; Dec. 18.
Van Doren, Harold L., Toledo, and J. G. Rideout, Perrysburg, assignors to The American-National Company, Toledo, Ohio. Velocipede. Des. 94,102; Dec. 18.
Van Gastel, Albertus, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric line protective system. 1,985,197; Dec. 18.
Van Geel, Willem C., J. H. De Boer, and H. Emmens, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Dry rectifier. 1,985,118; Dec. 18.
Verburg, Cornelis. (See Uyterhoeven, W., and Verburg.)
Vetter, Johan M., The Hague, Netherlands. Automatic change speed gear mechanism. 1,984,556; Dec. 18.
Vinz, Alfred O., Beaver Dam, Wis. Apparatus for treating coal. 1,984,851; Dec. 18.
Vodoz, Frederick W., Wilmette, Ill. Stoker. 1,984,852; Dec. 18.
Vogel, Joseph A., assignor to Joseph A. Vogel Company, Wilmington, Del. Flushing apparatus for water closet systems. 1,985,119; Dec. 18.
Vogel, Joseph A., assignor to Joseph A. Vogel Company, Wilmington, Del. Vacuum break device for water service systems. 1,985,120; Dec. 18.
Vogel, Joseph A., Company. (See Vogel, Joseph A., assignor.)
Von Biehler, Arpad, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, New York, N. Y. Color photography. 1,984,504; Dec. 18.
Von Engel, Alfred, and R. G. Berthold, Berlin-Siemensstadt, and R. Rüdenberg, Berlin-Grunewald, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed control. 1,985,003; Dec. 18.
Von Gruber, Otto, assignor to firm Carl Zeiss, Jena, Germany. Projection screen. 1,985,006; Dec. 18.
Vroman, Erwin C. (See Campbell, C. A., and Vroman.)
Wade, Wallace G. (See Freeman, H. M., and Wade, assignors.)
Wagner, Albert, Gross-Zschachwitz, near Dresden, Germany, assignor, by mesne assignments, to Dupont Rayon Company, New York, N. Y. Spinning machine for spinning artificial silk. 1,984,853; Dec. 18.
Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Removing salt compounds from crude oil. 1,984,903; Dec. 18.
Wagner, William, Elyria, Ohio. Expulsion of nicotine from tobacco. 1,984,445; Dec. 18.
Waldrop, Earl H., and G. M. Petty, Shawnee, Okla. Combination water circulator and feed water heating unit for boilers. 1,984,608; Dec. 18.
Walker Cement Products, Inc. (See Dietrichs, Charles, assignor.)
Walker, Elliott R., Brooklyn, and C. Roehm, assignors to Corning Fibre Box Corporation, Corning, N. Y. Folding blank box. 1,984,609; Dec. 18.
Walker, Malcolm M. (See Walker, Malcolm and M. M., and Clark.)
Walker, Malcolm and M. M., and G. M. Clark, West Lothian, Scotland. Advertising apparatus and display sign. 1,985,121; Dec. 18.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric switch. 1,984,505; Dec. 18.
Wallsten, Walfred A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Spool stand. 1,984,712; Dec. 18.
Walters, James P., Pilot Mountain, N. C. Combination furniture. 1,984,506; Dec. 18.
Walworth Patents Inc. (See Martin, Jesse C., jr., assignor.)
Wandersleb, Ernst, assignor to the Firm Carl Zeiss, Jena, Germany. Stereoscopic rangefinder for photographic purposes. 1,985,007; Dec. 18.
Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable speed drive. 1,984,507; Dec. 18.
Ward, Albert N. (See Madge, E. W., and Ward.)
Ward, Neil C., Chicago, Ill., assignor to Anderson-Tully Company, Memphis, Tenn. Article of manufacture. 1,984,854; Dec. 18.
Warner, Edgar. (See Scott, H. B., and Warner.)
Warren, Donald M., West Lafayette, Ind. Playhouse. 1,984,666; Dec. 18.
Warren, Glenn W. (See Britton, E. C., Coleman, and Warren.)
Warren, Harlow, Mansfield, Ohio. Vacuum cup cap for collapsible tubes. 1,984,610; Dec. 18.
Warshaw, Nathaniel, Boston, and H. B. Shepard, assignors to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Impact testing machine. 1,984,904; Dec. 18.
Waters-Genter Company. (See Ness, James S., assignor.)
Watson, John W., Wayne, assignor to John Warren Watson Company, Philadelphia, Pa. Shock absorber. 1,985,122; Dec. 18.
Watson, John Warren, Company. (See Watson, John W., assignor.)
Watson, Omer, Houston, Tex. Pump operating mechanism. 1,984,667; Dec. 18.
Weatherford, Edward, Decatur, Ill., assignor to The Borden Company, New York, N. Y. Foundry core. 1,984,905; Dec. 18.
Weaver, Albert E., Indianapolis, Ind. Stoker-drive. 1,985,123; Dec. 18.
Weaver, Josiah A., assignor to Container Corporation of America, Chicago, Ill. Handle carton. 1,984,611; Dec. 18.
Weber, Nicholas, assignor to C. H. Leach Company, New York, N. Y. Oil refining apparatus. 1,985,008; Dec. 18.
Weber, Victor, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Circulating fan. Des. 94,103; Dec. 18.
Webster, Henry F. (See Livinson, B. H., and Webster.)

Webster, Warren & Company. (See Serrell, John A., assignor.)
Wehnert, Waldemar. (See Jobst, G., Michelssen, and Wehnert.)
Weidner, Willy, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,104; Dec. 18.
Weidner, Willy, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,105; Dec. 18.
Welland, Henry J., and C. O. Henke, South Milwaukee, Wis., and G. Etzel, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Abietyl esters of sulpho-propane-diol and preparing the same. 1,984,713; Dec. 18.
Welland, Henry J., and C. O. Henke, South Milwaukee, and M. A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfo-alkyl esters of abietic acids and preparing the same. 1,984,714; Dec. 18.
Weinand, Klaus, Leverkusen-I. G. Werk, and H. Hertlein, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinone series. 1,984,715; Dec. 18.
Weir, James W., Los Angeles, and H. S. Montgomery, assignors of one-third to A. W. Knight, South Pasadena, Calif. Cleaning the walls of mudded bore-holes. 1,984,668; Dec. 18.
Weirtz, Paul L., Akron, Ohio. Meat scoring machine. 1,985,125; Dec. 18.
Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Treating cellulose containing fabrics, threads, and the like and product therefrom. 1,985,124; Dec. 18.
Weissman, Jack, and H. Zaretzky, Bronx, N. Y. Sawing apparatus. 1,984,508; Dec. 18.
Welch, George R., Detroit, Mich. Fuel pump for gasoline engines. 1,984,614; Dec. 18.
Welhoefer, Robert V., Waterloo, Wis. Gaseous fuel generator. 1,984,716; Dec. 18.
Welker, Lee, et al. (See Howell, David, assignor.)
Wemp, Ernest E., Detroit, Mich. Driving mechanism. 1,985,126; Dec. 18.
Wemp, Ernest E., Detroit, Mich. Power transmitting mechanism. 1,985,127; Dec. 18.
Wendt, Henry W., jr., administrator. (See Ellzey, Esco F.)
Wenner, Rolland B., Wilson Burrough, assignor to Easton Trust Company, Easton, Pa. Internal shoe and drum brake. 1,985,128; Dec. 18.
Wennerstrom, Frederick A., Grand Rapids, Mich. Razor blade holder. 1,984,906; Dec. 18.
Wentworth, Philip C., Providence, R. I. Traveler. 1,984,779; Dec. 18.
Werner, Charles P., Jackson Heights, assignor, by mesne assignments, to Durol Products Corporation, New York, N. Y. Mixer and beater. 1,984,557; Dec. 18.
Werner, Ludwig, Brooklyn, assignor to Eastern Laboratories Incorporated, New York, N. Y. Hair drying apparatus. Re19,404; Dec. 18.
Wertz, Daniel L., assignor to Eclipse Machine Company, Elmira, N. Y. Electrical system for internal combustion engines. 1,985,129; Dec. 18.
West, Charles P., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Generator voltage regulator. 1,985,004; Dec. 18.
West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism for spinning and twisting machines. 1,984,615; Dec. 18.
Western Electric Company, Incorporated. (See Ashworth, Walter W., assignor.)
Western Electric Company, Incorporated. (See Bigler, F. J., and Crane, assignors.)
Western Electric Company, Incorporated. (See Larsen, Leonard O., assignor.)
Western Electric Company, Incorporated. (See Lundahl, Ossian, assignor.)
Western Electric Company, Incorporated. (See Sandeman, Edward K., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Mackert, Albert A., assignor.)
Westinghouse Air Brake Company, The. (See McCurdy, Oscar S., assignor.)
Westinghouse Electric Elevator Company. (See Santini, Danilo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Coleman, John B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, Hiller D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Emery, William M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Freeman, H. M., and Wade, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hudson, William J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kermode, J. T., Young, and Sparkes, assignors.)
Westinghouse Electric & Manufacturing Company. (See Laffoon, C. M., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See McIlvaine, Douglas K., assignor.)
Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Minkler, William A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Philpott, La Verne R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Quarles, Lawrence R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Raupach, W., and Kalkner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sauer, Louis E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sykes, Wilfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See von Engel, A., Berthold, and Rüdenberg, assignors.)
Westinghouse Electric & Manufacturing Company. (See West, Charles P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilson, Earl D., assignor.)
Weston Electrical Instrument Corporation. (See Pierce, Raymond T., assignor.)
Westover, Miles R., and F. Campbell; said Campbell assignor to I. H. Streeper 3d, Alton, Ill. Freezer. 1,984,612; Dec. 18.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,984,446; Dec. 18.
Wheary Trunk Company. (See Wheary, George H., assignor.)
Wheeler Reflector Company. (See Goetz, Louis W., assignor.)
White, Everett H., St. Paul, Minn. Hydraulic regulator. 1,984,558; Dec. 18.
Whitin Machine Works. (See Hargreaves, Robert, assignor.)
Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
Whitin Machine Works. (See West, George, assignor.)
Wicha, Alois, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y. Pump. 1,984,447; Dec. 18.
Wiebusch, Charles F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating device. 1,985,005; Dec. 18.
Wilde, Kurt, Berlin-Wilmersdorf, Germany, assignor, by mesne assignments, to Builders Iron Foundry, Providence, R. I. Telemetric receiver. 1,985,130; Dec. 18.
Wilke, Max J., San Francisco, Calif. Chair construction. 1,985,131; Dec. 18.
Williams, Duncan B., Glen Ridge, N. J., assignor to Carbide and Carbon Chemicals Corporation. Cooling system. 1,985,198; Dec. 18.
Williams, John H., Providence, R. I. Tenter clip. 1,984,616; Dec. 18.
Williams, Lynn A., et al. (See Stokes, Charles L., assignor.)
Williams, Stephen L., Bridgeport, Ohio. Liquid carbonator. 1,984,617; Dec. 18.
Williams, Thomas D., Garfield Heights, Ohio. Shear device. 1,984,717; Dec. 18.
Wilcox, Stephen S., Portland, Oreg. Envelope. 1,984,559; Dec. 18.
Wilkes, Clarence H., Schenectady, N. Y. Bread-boring apparatus. 1,984,388; Dec. 18.
Williams, Ernest. (See Merle, André, assignor.)
Williams, Walter W., Bloomington, Ill. Electrically operated and controlled fluid fuel-burning mechanism. 1,984,670; Dec. 18.
Willmore, Charles B. (See Derr, R. B., and Willmore.)
Wilson, Charles C., Dayton, Ohio. Air conditioning furnace. 1,984,907; Dec. 18.
Wilson, Earl D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phototube. 1,985,006; Dec. 18.
Wilson, Walter E., Detroit, Mich. Package. Re19,403; Dec. 18.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Clutch. 1,984,389; Dec. 18.
Wingard, William O., Irvington, N. J. Automatic steam radiator valve. 1,984,509; Dec. 18.
Winston, Sydney H., South Ozone Park, N. Y. Rimless eyeglasses and spectacles. 1,984,448; Dec. 18.
Winthrop Chemical Company, Inc. (See Forbing, John W., assignor.)
Winthrop Chemical Company, Inc. (See Schmidt, Hans, assignor.)
Wirrer, Gottfried, Plainfield, and A. D. Robbins, Highland Park, N. J., assignors to International Motor Company, New York, N. Y. Clutch synchronizing device. 1,984,618; Dec. 18.
Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Straight side single crank press. 1,984,908; Dec. 18.
Wistrand, Gunnar, Schweinfurt, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Eliminating eccentricity in the rotation of work spindles for machine tools. 1,984,718; Dec. 18.
Wiswell, Ozro N. (See Allen, S. E., and Wiswell.)

Wittkuhns, Bruno A. (See Gillmor, R. E., and Wittkuhns.)
Wold, Tryvge, assignor to Smith & Stone Limited, Georgetown, Ontario, Canada. Fuse plug. 1,984,954; Dec. 18.
Wolff, Robert A. (See Hutchinson, I. K., and Wolff.)
Woock, Walter R. J., assignor to Super Mold Corporation, Lodi, Calif. Inner heating device for retreading molds. 1,984,909; Dec. 18.
Wood, Alexander. (See Gibson, G. R., and Wood.)
Wood, Galen. (See Van Allen, F. L., and King, assignors.)
Wood Shovel & Tool Company, The. (See Wood, William W., 3d, assignor.)
Wood, William W., 3d, assignor to The Wood Shovel & Tool Company, Piqua, Ohio. Metal-and-wood shovel handle. 1,984,560; Dec. 18.
Woods, John H., Lynbrook, N. Y., assignor to R. D. Lillibridge, Greenwich, Conn. Safety razor. 1,985,132; Dec. 18.
Wooldridge, Leslie F., Vancouver, British Columbia, Canada. Fountain pen. Des. 94,106; Dec. 18.
Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Mixing and juice extracting machine. 1,984,619; Dec. 18.
Wright, Jerauld, U. S. Navy. Navigating instrument. 1,984,390; Dec. 18.
"Yard-Man," Inc. (See Funk, Truman B., assignor.)
Young, Charles A., Alamo, Colo., assignor to Alamo Coal Company. Self loading conveyer. 1,985,133; Dec. 18.
Young, Douglass A. (See Kermode, J. T., Young, and Sparkes.)
Yount, Clarence B., near Dayton, Ohio. Liquid trap for refrigerating systems. 1,985,134; Dec. 18.
Zaretzky, Hyman. (See Weissman, J., and Zaretzky.)
Zecher, Gustav, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Electric discharge tube. 1,984,449; Dec. 18.
Zeiss, firm Carl. (See Bauersfeld, Walther, assignor.)
Zeiss, firm Carl. (See Scheller, Ernst, assignor.)
Zeiss, firm Carl. (See von Gruber, Otto, assignor.)
Zeiss, firm Carl. (See Wandersleb, Ernst, assignor.)
Zinke, Carl J., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,984,561; Dec. 18.
Zwierzina, Oscar, Bern, Switzerland. Arm-rest in vehicles for drivers. 1,984,855; Dec. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrading tool. W. A. Reed. 1,984,430; Dec. 18.
Acetylene, Production of. P. Baumann, R. Stadler, H. Schilling, and H. Bückert. 1,984,957; Dec. 18.
Acid and its salts, Secondary hexyl ethyl barbituric. H. A. Shonle. 1,985,217; Dec. 18.
Acid cleaning equipment, Apparatus for use with. C. E. Smith. 1,984,899; Dec. 18.
Acid, Decomposing thiocyanic. F. Overdick. 1,984,757; Dec. 18.
Acoustic device. H. F. Olson. 1,984,542; Dec. 18.
Adjustable die. U. S. G. Swartz. 1,984,775; Dec. 18.
Advertising apparatus and display sign. M. and M. M. Walker and G. M. Clark. 1,985,121; Dec. 18.
Advertising card. A. P. Izard. Des. 94,085; Dec. 18.
Aeroplane. H. Karl. 1,984,584; Dec. 18.
Agent for polishing, sharpening, and grinding articles of great hardness. R. Reichmann. 1,984,841; Dec. 18.
Agitator. W. B. Lodder. 1,984,975; Dec. 18.
Air, Apparatus for carbureting. R. T. Hapgood. 1,985,165; Dec. 18.
Air blasts or suction, Device for producing. A. L. Bridgham. 1,984,359; Dec. 18.
Air brake. C. A. Campbell and E. C. Vroman. 1,984,459; Dec. 18.
Air cleaning and blowing apparatus. J. H. Fedeler. 1,984,871; Dec. 18.
Air conditioning device. J. J. Strang and E. P. Brus. 1,984,605; Dec. 18.
Air-conditioning furnace. C. C. Wilson. 1,984,907; Dec. 18.
Air conditioning machine. A. E. Rourke. 1,984,658; Dec. 18.
Air conditioning system. A. Merle. 1,985,050; Dec. 18.
Air cooler and circulator. A. B. Modine. 1,985,052; Dec. 18.
Air heating attachment for vacuum cleaners. L. R. Amoo. 1,985,136; Dec. 18.
Air humidification apparatus. V. S. Day. 1,984,866; Dec. 18.
Airplane wing structure model. R. N. Massie. Des. 94,092; Dec. 18.
Alcohols, Production of anhydrous and absolute. R. B. Derr. 1,985,205; Dec. 18.
Alcohols, Production of anhydrous and absolute. R. B. Derr and C. B. Willmore. 1,985,204; Dec. 18.
Alloy articles, Cast iron. C. O. Burgess. 1,984,458; Dec. 18.
Alloys, Cleaning nonferrous. L. O. Larsen. 1,984,534; Dec. 18.
Amplifier, Compensated. J. G. Aceves. 1,984,450; Dec. 18.
Amplifier system. H. M. Dressel. 1,984,967; Dec. 18.
Amplifier tube, Gaseous discharge. G. Jobst, F. Michelssen, and W. Wehnert. 1,984,877; Dec. 18.
Anchorage boot for structural columns, Tubular. H. H. Moss. 1,984,753; Dec. 18.
Angular movements, Indicating. R. Chappell and R. J. Streb. 1,985,148; Dec. 18.
Antimony compounds, Manufacture of pentavalent. A. L. Henne. 1,984,480; Dec. 18.
Antislip product and making the same. A. W. Charbonneau. 1,985,203; Dec. 18.
Arc discharge apparatus. A. Glaser and W. Köch. 1,985,087; Dec. 18.
Arm-rest in vehicles for the driver. O. Zwierzina. 1,984,855; Dec. 18.
Arseno-stidio compounds and manufacture thereof. H. W. Schmidt. 1,984,765; Dec. 18.
Article of manufacture. N. C. Ward. 1,984,854; Dec. 18.
Articles from a continuously moving conveyer band to another conveyer band, Device for transferring. J. Neff. 1,984,981; Dec. 18.
Articles from cellulose derivatives of the higher fatty acids. M. Hagedorn and E. Gühring. 1,984,477; Dec. 18.
Articles from flexible material, Method and apparatus for making skived or bevel-edged. M. E. Davis. 1,984,919; Dec. 18.
Auto penthouse. J. W. Jackson. 1,984,681; Dec. 18.
Automatic fuel regulator. C. L. Stokes. Re19,401; Dec. 18.
Automobile lock. H. D. Mulloy and F. Cassen. 1,985,190; Dec. 18.
Awning. J. F. Platte. 1,984,807; Dec. 18.
Axle drive for rail vehicles with Föttinger gears, Individual two-or multi-stage. U. Barske. 1,984,958; Dec. 18.
Axle for automobile vehicles, Front. E. Bugatti. 1,985,145; Dec. 18.
Axle twisting device. C. C. Bennett. Re19,398; Dec. 18.
Badge or similar article, High school. H. E. Hein. Des. 94,084; Dec. 18.
Bag. P. H. Henkel. 1,984,927; Dec. 18.
Bags, Forming rubber. P. H. Henkel. 1,984,928; Dec. 18.
Bale drier. J. H. Fulmer. 1,984,829; Dec. 18.
Basket, Collapsible fish. J. T. Lawrence. 1,985,177; Dec. 18.
Bath unit, Combination. J. S. Carlson. 1,985,147; Dec. 18.
Battery filler. G. T. Marlowe. 1,984,803; Dec. 18.
Battery terminal and cable clamp. C. H. Carpenter. 1,984,518; Dec. 18.
Bearing plates, Making composite metal. G. L. Sherwood and H. L. Johnson. 1,984,385; Dec. 18.
Bearing seal for mulling machines. H. S. Simpson. 1,985,063; Dec. 18.
Bimetallic element. H. D. Matthews. 1,985,181; Dec. 18.
Binder feed for cigar machines, Automatic. J. F. Halstead. 1,984,795; Dec. 18.
Binder, Loose leaf. E. L. Krag. 1,984,376; Dec. 18.
Blackboards, Attachment for. H. L. Smith and L. N. Neulen. 1,984,845; Dec. 18.
Blanks for files and the like, Forming hollow. E. Furler. 1,985,158; Dec. 18.
Block: *See*—
Hollow tile block.
Bobbin driving means. W. I. Stimpson. 1,984,773; Dec. 18.
Bobbins, Method of and apparatus for wrapping dry cell. S. L. Casella. 1,984,568; Dec. 18.
Book. H. N. Feley. 1,984,790; Dec. 18.
Bookkeeping machines, Attachment for. J. H. Loeb. 1,985,178; Dec. 18.
Bottle. G. M. Brenner. Des. 94,069; Dec. 18.
Bottle. J. E. Spence. Des. 94,101; Dec. 18.
Bottle cap. C. E. McManus. 1,984,752; Dec. 18.
Bottles or similar vessels, Device for cooling. J. Bienenfeld. 1,984,455; Dec. 18.
Box: *See*—
Folding blank box. Journal box.
Boxes, such as match boxes, Method and machine for manufacturing. F. Mange. 1,985,180; Dec. 18.
Bracket: *See*—
Folding bracket.
Bracket for a turret standpipe. J. T. Corley. 1,984,360; Dec. 18.
Brake: *See*—
Air brake.
Brake. L. E. La Brie. 1,984,883; Dec. 18.
Brake for sheet feeding apparatus. G. A. Martin. 1,984,888; Dec. 18.
Brake mechanism. F. J. Bigler and E. J. Crane. 1,984,515; Dec. 18.
Brake mechanism for vehicles, Self-equalizing. E. Alterio and J. F. Clements. 1,984,352; Dec. 18.
Bread-boring apparatus. C. H. Wilkes. 1,984,388; Dec. 18.
Brick, Interlocking building. P. Brown. 1,984,393; Dec. 18.
Bridge construction. A. C. Briggs. 1,984,567; Dec. 18.
Broncling machine. F. J. Lapointe. 1,984,974; Dec. 18.
Buckle. C. E. Anderson. 1,984,856; Dec. 18.
Buffet and cabinet, Combination. M. Ebbitt. 1,984,523; Dec. 18.
Builder mechanism. R. Hargreaves. 1,984,641; Dec. 18.
Builder mechanism for spinning and twisting machines. G. West. 1,984,615; Dec. 18.
Builder motion for spinning frames. F. K. Hendrickson. 1,984,642; Dec. 18.
Building, Bomb-proof. E. F. and J. Geiger. 1,984,407; Dec. 18.
Buildings, Farm. F. J. Kreutzer. 1,985,037; Dec. 18.
Bumper, Automobile. F. A. Bond. 1,984,392; Dec. 18.
Bumper shoe. N. G. Smith. 1,985,113; Dec. 18.
Bung, Locking. J. Thompson. 1,985,116; Dec. 18.
Burner. F. T. Johnson. 1,984,879; Dec. 18.
Burner device, Gas. N. J. Surges. 1,984,708; Dec. 18.
Button. G. A. Holmes. 1,984,743; Dec. 18.
Cabinet, Kitchen. N. R. Moore. 1,985,189; Dec. 18.
Cable, Hollow. H. A. Staples. 1,984,554; Dec. 18.
Calendar and penholder, Combined. H. Janssen. Des. 94,086; Dec. 18.
Camera. G. Moulin and F. A. Lathe. 1,984,420; Dec. 18.
Camera shutter, Multiview. J. W. Anderson. 1,984,620; Dec. 18.
Camera, Sound. E. I. Sponable. 1,984,438; Dec. 18.
Can bodies, Apparatus for forming smoothly rounded. F. Krueger. 1,985,039; Dec. 18.
Can boxing machine. J. H. Stock and J. A. Miller. 1,985,218; Dec. 18.
Cap. W. J. Deegan. 1,984,521; Dec. 18.
Cap for collapsible tubes, Vacuum cup. H. M. Warren. 1,984,610; Dec. 18.

Capping machine for specimens. M. V. Nardiello. 1,984,691; Dec. 18.
Car, Refrigerator. T. A. Banning, jr. 1,984,912; Dec. 18.
Carbonator, Liquid. S. L. Williams. 1,984,617; Dec. 18.
Carburetor. A. M. Prentiss. 1,984,382; Dec. 18.
Card holder. R. N. Patch. 1,984,594; Dec. 18.
Card shuffling machine. C. Ruckman and H. R. Hawkinson. 1,984,702; Dec. 18.
Card sorter. J. T. Kermode, D. A. Young, and H. P. Sparkes. 1,985,035; Dec. 18.
Card with transparent envelope, Duplex acknowledgement. R. H. Storer. 1,985,114; Dec. 18.
Carpenter's divider. W. J. Des Roberts. 1,984,467; Dec. 18.
Carton, Folding. T. C. Hazard and W. G. Anderson. 1,984,371; Dec. 18.
Carton, Handle. J. A. Weaver. 1,984,611; Dec. 18.
Case hardening. D. A. Holt. 1,984,411; Dec. 18.
Casing for a suction cleaner or similar article. H. Dreyfuss. Des. 94,076; Dec. 18.
Casting, Machinable stainless. F. A. Fahrenwald. 1,984,636; Dec. 18.
Casting, Malleable iron. R. C. Good. 1,984,474; Dec. 18.
Cathode glow lamp, Electric. H. Ewest. 1,984,469; Dec. 18.
Cathode ray tube. F. W. Hehlgans. 1,985,093; Dec. 18.
Chair: *See*—
Mechanical chair.
Chair. H. Dujardin. 1,984,786; Dec. 18.
Chair. D. P. Rowland. 1,984,540; Dec. 18.
Chair and table, Combination folding. W. C. Rastetter. 1,984,699; Dec. 18.
Chair construction. M. J. Wilke. 1,985,131; Dec. 18.
Chair seat. W. C. Lucas. Des. 94,089; Dec. 18.
Chemical reactions, Producing. W. W. Odell. 1,984,380; Dec. 18.
Chickens and other birds, Apparatus for eviscerating. W. R. C. Ashby. 1,984,562; Dec. 18.
Chuck lubricating connecter. A. Johnson. 1,984,878; Dec. 18.
Chute, Coin. A. Carson. 1,984,460; Dec. 18.
Cigarettes and similarly-shaped articles of manufacture when packing same, Device for reversing. W. Braunn and C. Kaubisch. 1,984,962; Dec. 18.
Cigarettes, Device for medicating. W. J. Perry. 1,984,984; Dec. 18.
Cigarettes through cigarette-packing machines, Conveying. V. D. Popov. 1,984,808; Dec. 18.
Circuit. W. Uyterhoeven and M. van Dam. 1,984,503; Dec. 18.
Circuit breaker. H. D. Dorfman. 1,985,023; Dec. 18.
Circuit, Crystal controlled. H. Rothe. 1,984,896; Dec. 18.
Circuit, Electric timing. H. Anschütz. 1,985,069; Dec. 18.
Clamp: *See*—
Wire clamp.
Clasp loop for garters or the like. F. A. Knoll. Des. 94,087; Dec. 18.
Clasp, Tie. E. H. Martin. 1,984,838; Dec. 18.
Cleaner: *See*—
Condenser cleaner. Pipe cleaner.
Cleaner head. A. B. Cox. 1,984,632; Dec. 18.
Cleaning apparatus, Dry. L. Angelus and D. L. Baylis. 1,984,513; Dec. 18.
Cleat supporting mechanism. H. Paxton. 1,985,055; Dec. 18.
Clip: *See*—
Tenter clip.
Closure for tubular paste and other containers. N. A. Frahm. 1,984,872; Dec. 18.
Clutch: *See*—
Lawn-mower clutch.
Clutch. W. H. Wineman. 1,984,389; Dec. 18.
Clutch construction, Over-running. S. C. North. 1,984,490; Dec. 18.
Clutch synchronizing device. G. Wirrer and A. D. Robbins. 1,984,618; Dec. 18.
Coal, Apparatus for treating. A. O. Vinz. 1,984,851; Dec. 18.
Coal mining machine. D. Howell. 1,984,832; Dec. 18.
Coating and impregnating composition. H. A. Gardner. 1,984,368; Dec. 18.
Coating and objects coated therewith, Protective. C. S. McDonald, J. F. Putnam, and R. M. McHale. 1,984,649; Dec. 18.
Cock device, Angle. A. A. Mackert. 1,984,887; Dec. 18.
Cock, Locking angle. C. C. Farmer. 1,984,870; Dec. 18.
Coil, Low capacity inductance. W. Runge. 1,984,433; Dec. 18.
Coin controlled apparatus. J. M. Melick. 1,984,536; Dec. 18.
Collar-button. O. Grotewold. 1,984,640; Dec. 18.
Collar holder. L. H. Fisher and A. E. Galiani. 1,984,969; Dec. 18.
Combustion. J. F. O. Stratton. 1,984,441; Dec. 18.
Composite material. J. P. Sherman. 1,984,814; Dec. 18.
Composition material. W. C. Fischer. 1,984,922; Dec. 18.
Compressor, Sectional rotary. A. Teves. 1,984,664; Dec. 18.
Concentrating mechanism. M. J. Lide. 1,984,684; Dec. 18.
Concrete blocks, Making. F. J. Straub. 1,985,115; Dec. 18.
Concrete building blocks, Apparatus for manufacturing. R. C. Blackman. 1,984,564; Dec. 18.
Concrete objects, Apparatus for making. B. S. Clark and J. W. Lowell. 1,984,863; Dec. 18.
Concrete structures, Producing. H. P. Hayden. 1,985,092; Dec. 18.
Condenser: *See*—
Electrical condenser.
Condenser cleaner. F. W. Fieldhouse. 1,985,156; Dec. 18.
Conductor, Flexible electric. H. A. Staples. 1,984,553; Dec. 18.
Conductor, Flexible electric. H. A. Staples. 1,984,555; Dec. 18.
Coned yarn support. C. Epps. 1,984,571; Dec. 18.
Coned yarn support. C. Epps. 1,985,026; Dec. 18.
Connecter: *See*—
Chuck lubricating connecter.
Connecter. A. Nelson. 1,984,540; Dec. 18.
Container: *See*—
Metallic container.
Container for compressed gases and liquids. C. W. Johnston. 1,984,375; Dec. 18.
Container for various articles, Packing. C. H. Bird. 1,985,075; Dec. 18.
Container or similar device, Food. C. C. Beam. Des. 94,067; Dec. 18.
Containers, Apparatus for irradiating. L. J. Buttolph. 1,984,457; Dec. 18.
Control device for automotive generators. A. W. Schweibold. 1,984,947; Dec. 18.
Control for automotive vehicles. E. S. Bush. 1,985,014; Dec. 18.
Control means for printing presses. J. D. Nies. 1,984,693; Dec. 18.
Control mechanism. O. Lundahl. 1,984,535; Dec. 18.
Control system. W. A. Minkler. 1,985,051; Dec. 18.
Control system for heaters. W. J. Masoner. 1,985,047; Dec. 18.
Controlling the relative speed of two traction members, Device for. J. B. Davidson. 1,984,399; Dec. 18.
Conveyer mechanism. W. A. Marcy. 1,984,685; Dec. 18.
Conveyer, Self loading. C. A. Young. 1,985,133; Dec. 18.
Conveying and grouping machine. S. C. and H. M. Simmons. 1,984,659; Dec. 18.
Cooler: *See*—
Water cooler.
Cooler. F. L. Laporte. 1,985,043; Dec. 18.
Cooling means for conductors. C. M. Laffoon and B. A. Rose. 1,985,040; Dec. 18.
Cooling system. D. B. Williams. 1,985,198; Dec. 18.
Copyholder. B. E. Van Alstyne. 1,984,711; Dec. 18.
Core drill. C. A. Dean. 1,984,867; Dec. 18.
Coupler. E. P. Kinne. 1,985,036; Dec. 18.
Coupling. J. Coder. 1,984,918; Dec. 18.
Coupling system and apparatus. H. St. Laurent. 1,984,499; Dec. 18.
Cover fastening machine. L. M. Hile. 1,984,530; Dec. 18.
Cover for furniture, Slip. S. Krasnov. 1,984,973; Dec. 18.
Covering for automobile seats, Protective. J. W. Menhall. 1,985,222; Dec. 18.
Crank. F. D. Chapman. Des. 94,073; Dec. 18.
Crankshaft for reciprocating engines, Built-up. P. Belyavin. 1,984,454; Dec. 18.
Cream separator. F. D. Chapman. 94,074; Dec. 18.
Crusher, Gyratory. J. E. Kennedy. 1,985,098; Dec. 18.
Cultivator. J. Schaeffer. 1,984,705; Dec. 18.
Current control apparatus. F. W. Lyle. 1,985,044; Dec. 18.
Current generating units, Method and apparatus for controlling alternating. E. D. Doyle. 1,984,920; Dec. 18.
Current generating units, Method and apparatus for controlling alternating. E. D. Doyle and L. O. Heath. 1,985,081; Dec. 18.
Current time control for electric welding machines. H. W. Roth. 1,985,107; Dec. 18.
Current voltages, Comparing alternating. H. O. Peterson. 1,984,545; Dec. 18.
Cyanhydrins, Preparation of. A. D. Macallum. 1,984,415; Dec. 18.
Damper for vehicle propelling apparatus, Vibration. R. K. Lee. 1,984,413; Dec. 18.
Delivery device. P. C. Smith. 1,984,997; Dec. 18.
Delivery mechanism for printing machines. D. M. McBean. 1,985,211; Dec. 18.
Dental tool angle. N. Tatham. 1,984,663; Dec. 18.
Deodorant composition. H. Taub. 1,984,669; Dec. 18.
Descaler. S. S. Roberts. 1,984,762; Dec. 18.
Detector: *See*—
Soap detector.
Diaphragm. F. A. Stapler. 1,984,439; Dec. 18.
Diaphragm device. E. H. Foley and G. B. Sampair. 1,984,637; Dec. 18.
Die: *See*—
Adjustable die. Laminated die.
Die. L. B. Stogner, sr. 1,984,774; Dec. 18.
Die machine. W. V. Gerster. 1,984,737; Dec. 18.
Diesel engine. O. C. Kreis. 1,984,836; Dec. 18.
Differential electrical measuring appliance. S. C. Honre. 1,985,095; Dec. 18.
Discharge device. A. Gehrts. 1,985,028; Dec. 18.
Dispensing device. W. J. Cameron. 1,984,629; Dec. 18.
Dispensing device. H. Hilsenrath. 1,985,094; Dec. 18.
Dispensing device. H. Meves. 1,984,651; Dec. 18.

Display machine. I. V. Sigsbee. 1,984,948; Dec. 18.
Distribution system for shoe factories. M. O. Frost and P. Mattler. 1,984,367; Dec. 18.
Distributor for pulverized coal feeding systems. J. E. Kennedy and H. W. Johnson. 1,985,099; Dec. 18.
Door, Automatic garage. C. C. Brown. 1,984,861; Dec. 18.
Doorcheck. A. Rose. 1,984,842; Dec. 18.
Door construction, Washing cylinder. H. Koplin and J. Maki. 1,984,931; Dec. 18.
Door operating mechanism. F. L. Nichols. 1,984,692; Dec. 18.
Doorstop. J. G. Green. 1,985,164; Dec. 18.
Double casing pump. A. Hollander. 1,984,643; Dec. 18.
Draftsman's table. G. A. O'Farrell. 1,985,212; Dec. 18.
Dress. H. J. Greenman. Des. 94,083; Dec. 18.
Drier: *See*—
Bale drier. Serval drier.
Drill: *See*—
Core drill.
Drilling apparatus. M. P. Holmes. 1,984,373; Dec. 18.
Drilling tool. M. P. Holmes. 1,984,372; Dec. 18.
Drive for fans and the like. G. de Bothezat. 1,985,022; Dec. 18.
Drive, Variable speed. G. F. Allen. 1,985,135; Dec. 18.
Drive, Variable speed. H. E. Waner. 1,984,507; Dec. 18.
Driving mechanism. E. E. Wemp. 1,985,126; Dec. 18.
Drying apparatus. E. Bleibler. 1,985,219; Dec. 18.
Dual temperature regulator. E. K. Clark. 1,985,018; Dec. 18.
Dust eliminator. H. L. Friedman and M. Pollock. 1,985,157; Dec. 18.
Dustpan attachment for brooms. A. Ozdobinski. 1,984,491; Dec. 18.
Dye and making same, Azo. E. F. Grether and L. E. Mills. 1,984,739; Dec. 18.
Dyestuff containing a chrysene nucleus, Azo. A. Bergdolt and A. Schmelzer. 1,984,722; Dec. 18.
Dyestuffs of the anthraquinone series. K. Weinand and H. Hertlein. 1,984,715; Dec. 18.
Dyestuffs of the benzanthraquinone acridine series and making them. H. Neresheimer. 1,984,941; Dec. 18.
Dynamometer. A. S. Dysart, C. E. Fraser, and J. Lind. 1,984,635; Dec. 18.
Earth mover. H. R. Lytle. 1,984,648; Dec. 18.
Easy opening container. G. Baker. 1,984,563; Dec. 18.
Eccentricity in the rotation of work spindles for machine tools, Eliminating. G. Wistrand. 1,984,718; Dec. 18.
Educational device. J. Šafář. 1,984,599; Dec. 18.
Electric discharge device. J. A. Heany. 1,984,479; Dec. 18.
Electric discharge device, Gaseous. E. G. Dorgelo. 1,984,468; Dec. 18.
Electric discharge device, Gaseous. M. Imamura and B. Fujita. 1,984,482; Dec. 18.
Electric discharge device, Gaseous. M. Pirani. 1,984,428; Dec. 18.
Electric discharge device, Gaseous. M. Pirani and H. Ewest. 1,984,427; Dec. 18.
Electric discharge device, Gaseous. M. Pirani and M. Reger. 1,984,426; Dec. 18.
Electric discharge tube. G. Zecher. 1,984,449; Dec. 18.
Electric display fixture. E. Maxwell. Des. 94,093; Dec. 18.
Electric heater for hair waving. H. Bonat. Des. 94,068; Dec. 18.
Electric lamp. H. A. Douglas. 1,985,024; Dec. 18.
Electric line protective system. A. van Gastel. 1,985,197; Dec. 18.
Electric meter. D. K. McIlvaine. 1,985,048; Dec. 18.
Electric resistance, Making. A. Haroldson. 1,985,166; Dec. 18.
Electric switch. W. R. Walker. 1,984,505; Dec. 18.
Electric wiring system. C. W. Abbott. 1,984,355–6; Dec. 18.
Electrical apparatus. C. I. McNeil. 1,985,183; Dec. 18.
Electrical apparatus, Portable. C. V. Dame. 1,984,398; Dec. 18.
Electrical coil winding device. B. C. Beitling. 1,984,721; Dec. 18.
Electrical condenser. A. Deutschmann. 1,984,785; Dec. 18.
Electrical distribution, System of. A. Greco. 1,985,206; Dec. 18.
Electrical heating appliance of the open-grid or boiling-plate type. N. W. Gilbert. 1,985,161; Dec. 18.
Electrical rectifying and filtering system. B. F. Miessner. 1,984,418; Dec. 18.
Electrical switch. E. Thomas. 1,984,710; Dec. 18.
Electrical synchronizing device. R. Barthelemy. 1,985,139; Dec. 18.
Electrical system for internal combustion engines. D. L. Wertz. 1,985,129; Dec. 18.
Electrical testing apparatus. R. T. Pierce. 1,984,493; Dec. 18.
Electrical wave production. W. A. Marrison and L. A. Meachnm. 1,985,046; Dec. 18.
Electromagnetic speaker. J. Jensen. 1,984,800; Dec. 18.
Electron discharge device. V. L. Ronci and J. E. Clark. 1,984,992; Dec. 18.
Electron discharge device. V. L. Ronci and J. P. Laico. 1,984,993; Dec. 18.
Electron discharge tube. H. Rothe. 1,984,897; Dec. 18.
Electron discharge tube, Hot cathode. H. M. Freeman and W. G. Wade. 1,985,027; Dec. 18.
Electrooptical system and control. C. F. Jenkins. 1,984,683; Dec. 18.
Elevator control system. D. Santini. 1,985,060; Dec. 18.
Enameled articles, Ornamenting. A. L. Cremo. 1,984,965; Dec. 18.
Engine: *See*—
Internal combustion engine
Engine. A. J. Meyer. 1,984,537; Dec. 18.
Engraving machine. H. B. Scott and E. Warner. 1,984,552; Dec. 18.
Envelope. E. A. Olson. 1,985,103; Dec. 18.
Envelope. W. E. Swift. 1,984,901; Dec. 18.
Envelope. S. S. Wilcox. 1,984,559; Dec. 18.
Envelopes, Making. C. H. Smith. 1,985,194; Dec. 18.
Ester of polycarboxylic acids containing one or more alkoxy methylene groups and their production. L. Nicholl. 1,984,982; Dec. 18.
Esters of abietic acids and preparing the same, Sulpho-alkyl. H. J. Welland, C. O. Henke, and M. A. Prahl. 1,984,714; Dec. 18.
Esters of sulpho-propane-diol and preparing the same, Abietyl. H. J. Welland, C. O. Henke, and G. Etzel. 1,984,713; Dec. 18.
Evaporating device for refrigerating systems. W. A. Owen. 1,984,758; Dec. 18.
Exercising and amusement device. J. Marsiani and N. Casini. 1,984,591; Dec. 18.
Exhaust device for internal combustion engines. W. B. Sommer. 1,984,707; Dec. 18.
Extrusion press. F. Singer and A. Liebergeld. 1,984,603; Dec. 18.
Eyeglass construction. G. E. Nerney. 1,984,541; Dec. 18.
Eyeglasses and spectacles, Rimless. S. H. Winston. 1,984,448; Dec. 18.
Eye set for dolls. N. Popovich. 1,984,654; Dec. 18.
Fabric and making the same, Ornamented knitted. M. Krissiep. 1,985,210; Dec. 18.
Fabrics, threads, and the like and product therefrom, Treating celiulose containing. E. Weiss. 1,985,124; Dec. 18.
Facings of pressed cork for rollers, drums, pulleys, and the like, Production of. G. Baldaux. 1,984,625; Dec. 18.
Facsimile transmitter. L. R. Philpott. 1,985,057; Dec. 18.
Fan, Circulating. V. Weber. Des. 94,103; Dec. 18.
Fastener: *See*—
Separable fastener.
Fastener. E. S. Becker. 1,984,961; Dec. 18.
Fasteners and the like, Device for supplying belt. J. K. Diamond. 1,984,634; Dec. 18.
Faucet. C. F. Stoddard. 1,984,999; Dec. 18.
Faucet valve. C. E. Chapple. 1,985,149; Dec. 18.
Feed for scrap bunch machines, Pneumatic. R. E. Rundell. 1,984,811; Dec. 18.
Feeding apparatus for conveyers. F. L. Furbush. 1,984,574; Dec. 18.
Felting machine. R. K. Reynolds. 1,984,700; Dec. 18.
File, Rolling or sliding card. A. J. Kotcher. 1,984,485; Dec. 18.
Film and making same, Noncurling cellulose organic derivative. J. G. McNally and N. F. Beach. 1,981,416; Dec. 18.
Film gate. C. R. Hanna. 1,985,031; Dec. 18.
Film, Lenticulated. F. Fischer. 1,984,471; Dec. 18.
Film safety cut-out for moving picture machines. J. L. Spence, jr. 1,984,847; Dec. 18.
Films and product thereof, Sonorizing goffered. I. Kitroser. 1,984,532; Dec. 18.
Films, Apparatus for projecting lenticular. G. Heymer. 1,984,481; Dec. 18.
Films in natural colors, Sound-record cinematograph. C. Bonamico. 1,984,456; Dec. 18.
Filter for suppression of high frequency circuits. F. J. Given. 1,984,526; Dec. 18.
Filter system. C. R. Hanna. 1,985,030; Dec. 18.
Firearm. C. G. Swebilius. 1,984,443; Dec. 18.
Fishing pole. E. M. Holm. 1,984,644; Dec. 18.
Flame in furnaces, Producing luminous. L. A. Mekler. 1,984,687; Dec. 18.
Flashlights, Suspension loop for. A. J. Deslmone. 1,984,401; Dec. 18.
Floors, Laying tile. E. B. Gates. 1,985,159; Dec. 18.
Flotation apparatus. A. C. Daman. 1,985,153; Dec. 18.
Flower holder. S. Cantor. Des. 94,071–2; Dec. 18.
Fluid, Apparatus for heating. P. F. Shivers. 1,985,215; Dec. 18.
Fluid circulation system. V. L. Ronci, J. E. Clark, and D. A. Hale. 1,984,548; Dec. 18.
Fluid, Heating. P. F. Shivers. 1,985,216; Dec. 18.
Flushing apparatus for water closet system. J. A. Vogel. 1,985,119; Dec. 18.
Folding blank box. E. R. Walker and C. Roehm. 1,984,609; Dec. 18.
Folding bracket. H. L. Snyder. 1,984,602; Dec. 18.
Food container unit. L. H. Scurlock. Des. 94,099; Dec. 18.
Food product and making same. D. A. Farrell. 1,984,470; Dec. 18.
Foundry core. E. Weatherford. 1,984,905; Dec. 18.
Frankfurters, Smoking. F. Seaver. 1,984,435; Dec. 18.
Freezer. M. R. Westover. 1,984,612; Dec. 18.

Frequency control system, Automatic. E. E. Stevens and D. D. Higgins. 1,984,440; Dec. 18.
Froth or scum on liquids, Suppression of. J. Everett. 1,984,789; Dec. 18.
Fruit sizer. W. de Back. 1,984,672; Dec. 18.
Fuel-burning mechanism, Electrically operated and controlled fluid. W. W. Williams. 1,984,670; Dec. 18.
Fuel from hydrocarbon oils, Producing motor. M. L. Chappell. 1,984,519; Dec. 18.
Fuel valve. C. W. Thornhill. 1,984,444; Dec. 18.
Furnace: *See*—
Air-conditioning furnace.
Furnace structure. O. J. Kuenhold. 1,984,933; Dec. 18.
Furniture, Combination. J. P. Walters. 1,984,506; Dec. 18.
Fuse, Electric. S. J. Spurgeon and M. B. McClure. 1,984,498; Dec. 18.
Fuse plug. T. Wold. 1,984,954; Dec. 18.
Galvanic Cells, Manufacture of. A. Hellbrunn. 1,984,926; Dec. 18.
Game device, Hop scotch. M. B. Eddy. Des. 94,077; Dec. 18.
Garment bagging apparatus. F. C. Coss. 1,984,631; Dec. 18.
Gas cooling device for compressed gas electric circuit breaker silencers. A. Clerc. 1,984,396; Dec. 18.
Gas discharge device. K. Rath. 1,985,058; Dec. 18.
Gas generating apparatus. J. E. Tone. 1,984,665; Dec. 18.
Gas scrubber. K. K. Nahigyan. 1,984,690; Dec. 18.
Gaseous discharge device, Electric. C. E. Kenty. 1,984,483; Dec. 18.
Gaseous discharge device, Hot cathode. Y. Imaoka. 1,985,096; Dec. 18.
Gaseous fuel generator. R. V. Welhoefer. 1,984,716; Dec. 18.
Gaseous mixtures, Separation of. G. Claude and J. Le Rouge. 1,984,463; Dec. 18.
Gases, Desulphurization of. P. Herold and W. Baumann. 1,984,971; Dec. 18.
Gasket for pipe joints and clamps. G. H. Pfefferle. 1,984,806; Dec. 18.
Gate: *See*—
Film gate.
Gauge: *See*—
McLeod gauge.
Gauge glass apparatus. F. M. Roby. 1,984,945; Dec. 18.
Gauge tube. J. B. Fournier. 1,984,734; Dec. 18.
Gear: *See*—
Reduction gear.
Gear mechanism, Automatic change speed. J. M. Vetter. 1,984,556; Dec. 18.
Gearing, Starter. W. L. McGrath. 1,985,182; Dec. 18.
Gears, Method of and apparatus for lapping. A. C. Page. 1,985,213; Dec. 18.
Generator: *See*—
Gaseous fuel generator.
Generator control. F. J. Pease. 1,984,696; Dec. 18.
Generator voltage regulator. C. P. West. 1,985,004; Dec. 18.
Germicidal preparation. E. Klarmann. 1,984,646; Dec. 18.
Glass, Apparatus for making insulating. J. H. Fox. 1,984,924; Dec. 18.
Glass, Apparatus for making insulating. W. Owen. 1,984,942; Dec. 18.
Glass cutting apparatus. W. Owen. 1,984,943; Dec. 18.
Glove structure, Dress. P. A. Chanut. 1,984,461; Dec. 18.
Goods of or containing rubber or similar material, Manufacture of. E. W. Madge and A. N. Ward. 1,985,045; Dec. 18.
Governor, Electric contact. W. A. Anderson. 1,984,512; Dec. 18.
Grading device, Self. J. A. Brownlee. 1,984,726; Dec. 18.
Grain cleaning machinery. C. N. Hatfield. 1,985,167; Dec. 18.
Grinding, Fine dry. F. G. Breyer. 1,985,076; Dec. 18.
Grinding wheel. T. Larsson. 1,984,936; Dec. 18.
Guard, Hand. B. Moller. 1,984,613; Dec. 18.
Gyro baseline. M. F. Bates. 1,984,859; Dec. 18.
Gyro vertical. R. E. Gillmor and B. A. Wittkuhns. 1,984,874; Dec. 18.
Hair drying apparatus. L. Werner. Re19,404; Dec. 18.
Hair waving apparatus. R. M. Keele. 1,984,585; Dec. 18.
Handcuff. J. W. Harrington. 1,984,677; Dec. 18.
Handle: *See*—
Shovel handle. Toothbrush handle.
Handle and core for frozen confections. I. E. Jacobson. 1,984,799; Dec. 18.
Handles, Making toothbrush. F. A. Parkhurst. 1,984,805; Dec. 18.
Harvester, Corn. A. and H. L. Rosenthal. 1,984,895; Dec. 18.
Heat carrier for high temperatures. K. Gensch. 1,984,369; Dec. 18.
Heat, cold, and pressure to the body, Apparatus for applying. C. C. Curtis. 1,984,520; Dec. 18.
Heater and circulator, Fresh air. H. E. Smith. 1,984,949; Dec. 18.
Heating and cooling system. I. T. Bennett and F. C. Reynolds. 1,985,009; Dec. 18.
Heating apparatus for griddles. H. R. Brand. 1,984,782; Dec. 18.
Heating, Building. A. F. Bemis. 1,984,781; Dec. 18.
Heating device for retreading molds, Inner. W. R. J. Woock. 1,984,909; Dec. 18.
Heating of bodies, Local. C. A. H. Mulder. 1,984,488; Dec. 18.
Heating system and heater, Automobile. W. F. La Mayeau, J. W. Farmer, and H. M. Smith. 1,984,935; Dec. 18.
Heel. W. J. Schacht. Des. 94,097; Dec. 18.
Heel-concaving machine. J. W. Staples and W. C. Brooks. 1,984,900; Dec. 18.
Heel trimming machine. E. B. Carter. 1,984,917; Dec. 18.
Hoist drum. F. E. Stahl. 1,984,604; Dec. 18.
Holder: *See*—
Card holder. Razor blade holder.
Collar holder.
Holding and releasing mechanism for railway car hand brakes. R. W. Burnett. 1,984,517; Dec. 18.
Hollow tile block. F. A. Holby. 1,984,972; Dec. 18.
Horticultural marking device. F. C. Choate. 1,984,395; Dec. 18.
Hose. H. W. Goodall. 1,984,475; Dec. 18.
Housing, Neon electrode. A. Hansen. 1,984,796; Dec. 18.
Hydraulic jack, Double acting. G. A. Countryman. 1,985,151; Dec. 18.
Hydraulic regulator. E. H. White. 1,984,558; Dec. 18.
Hydrocarbons, Cracking. W. S. Guilette. 1,985,029; Dec. 18.
Hydrocarbons, Refining apparatus for. G. B. Finch. 1,985,083; Dec. 18.
Hydrogenation, Destructive. M. Pier and W. Kroenig. 1,984,596; Dec. 18.
Hydroxyquinone compounds, Making. R. J. Anderson and M. S. Newman. 1,984,511; Dec. 18.
Ice cream unit for electric refrigerators. C. W. Brecht. 1,984,860; Dec. 18.
Identification means for tools. G. L. Murray. 1,984,839; Dec. 18.
Ignition composition. C. P. Spaeth. 1,984,846; Dec. 18.
Illumination system. W. Bauersfeld. 1,985,074; Dec. 18.
Impact testing machine. N. Warshaw and H. B. Shepard. 1,984,904; Dec. 18.
Indicator: *See*—
Visible flow indicator.
Inhaler. H. M. Thometz. 1,985,001; Dec. 18.
Ink distributor. G. A. Skidmore, F. R. Mollitor, and J. F. De Mott. 1,985,112; Dec. 18.
Inking mechanism for printing presses. R. Miehle. 1,985,186; Dec. 18.
Inserting and wrapping machine. R. E. Ackley. 1,984,955; Dec. 18.
Insole for corrective shoes. H. Gordon. 1,984,576; Dec. 18.
Insulating means. D. R. Palmer and F. M. Sayford. 1,984,653; Dec. 18.
Insulating support means for the current leads of luminous signs. H. Lange. 1,984,486; Dec. 18.
Insulation framework. M. P. Sullivan. 1,984,848; Dec. 18.
Interference prevention for radio operated relays. C. B. Mirick. 1,984,379; Dec. 18.
Internal combustion engine. H. E. Bucklen. 1,984,862; Dec. 18.
Internal combustion engine. W. R. Griswold. 1,984,577–9; Dec. 18.
Iron and Portland cement in a blast furnace, Production of. M. Fränkl. 1,984,793; Dec. 18.
Ironer, Electric. W. M. Emery. 1,985,025; Dec. 18.
Isobutane, Treatment of chlorinated. E. C. Britton, G. H. Coleman, and G. W. Warren. 1,984,725; Dec. 18.
Jack: *See*—
Hydraulic jack. Motor vehicle jack.
Jack. E. O. Keator. 1,984,930; Dec. 18.
Jar or similar article. T. J. Piazzoli. Des. 94,095; Dec. 18.
Jig for mounting split patterns. A. Turner. 1,984,387; Dec. 18.
Joint: *See*—
Piston ring joint. Stove pipe joint.
Journal box. R. J. Brittain, jr. 1,984,822–3; Dec. 18.
Journal box and frame connection. R. J. Brittain, jr. 1,984,824; Dec. 18.
Knife, Peeling. R. B. Taylor. 1,984,709; Dec. 18.
Knitting machine. L. Robaczynski. 1,984,991; Dec. 18.
Knitting machine, Circular. F. W. Robinson. 1,984,656; Dec. 18.
Labels, Apparatus for cutting and folding. A. Rosenthal. 1,984,657; Dec. 18.
Lacquer, Vinyl ester. W. O. Herrmann and W. Haehnel. 1,984,678; Dec. 18.
Laminated die. W. M. Sheffield. 1,984,384; Dec. 18.
Lamp: *See*—
Electric lamp.
Lamp device, Gaseous electric discharge. J. P. M. Mutsaers. 1,984,489; Dec. 18.
Lamp device, Gaseous electric discharge. M. Pirani and M. Reger. 1,984,429; Dec. 18.
Lamp device, Gaseous electric discharge. W. Uyterhoeven and C. Verburg. 1,984,502; Dec. 18.
Lapping machine. W. P. Hunt. 1,984,374; Dec. 18.
Larynx, Artificial. G. W. Burchett. 1,985,013; Dec. 18.
Laundry press. E. D. Rapisarda. 1,984,496; Dec. 18.
Lawn-mower clutch. R. O. Dohm. 1,984,966; Dec. 18.
Leaf spring. W. D. Taylor. 1,984,902; Dec. 18.
Lens attaching means for cameras. J. Pearlman. 1,984,544; Dec. 18.

Lens structure, Double. W. M. Thomas. 1,984,953; Dec. 18.
Light: *See*—
Parking light.
Light control apparatus. W. K. Kearsley. 1,985,097; Dec. 18.
Light fixture, Electric. L. W. Goetz. 1,984,575; Dec. 18.
Light, Method and system for proving differences of. H. H. Geffcken and H. R. Richter. 1,985,085; Dec. 18.
Light sensitive apparatus. H. H. Geffcken and H. R. Richter. 1,985,086; Dec. 18.
Lighting device for telephones. G. Keller. 1,985,172; Dec. 18.
Line stop for typographical machines. S. E. Sperry. 1,985,195; Dec. 18.
Liner for shipping containers. M. R. Shofer and J. V. Ewers. 1,985,111; Dec. 18.
Linoleum and manufacture. R. D. Bonney and W. S. Egge. 1,985,200; Dec. 18.
Lip for glass melting tanks, Adjustable. J. H. Fox. 1,984,923; Dec. 18.
Liquid for transferring energy and lubricating. E. Muench and H. Ufer. 1,984,421; Dec. 18.
Liquid injecting and ejecting apparatus. G. M. Nell. 1,984,422; Dec. 18.
Liquid pump. R. S. Bassett. 1,984,391; Dec. 18.
Liquid trap for refrigerating systems. C. B. Yount. 1,985,134; Dec. 18.
Liquid treating device. E. V. Nagy and A. C. Elder. 1,984,689; Dec. 18.
Liquids and gases into intimate contact, Apparatus for bringing. E. H. Berkhuijsen. 1,985,010; Dec. 18.
Liquids, Apparatus for sampling. W. G. Kent. 1,985,173; Dec. 18.
Load interchange, System for regulating. O. Plechl. 1,984,940; Dec. 18.
Lock: *See*—
Automobile lock. Multiple bolt lock.
Lock for counterbalanced elevator doors. R. S. Peelle. 1,984,425; Dec. 18.
Locking mechanism for calculating machines. F. W. F. Berger. 1,984,723; Dec. 18.
Loud speaker. E. K. Sandeman. 1,984,550; Dec. 18.
Lubricating device. C. E. Padilla. 1,984,543; Dec. 18.
Lubrication device. J. L. Creveling. 1,984,865; Dec. 18.
Luggage. O. H. Plotkin. 1,984,698; Dec. 18.
Luggage, Hand. G. H. Wheary. 1,984,446; Dec. 18.
Machine for applying webs to wire and the like. C. B. Fantone and R. M. Jameson. 1,984,405; Dec. 18.
Machine for blowing hollow articles. E. R. Person. 1,984,697; Dec. 18.
Machine for detecting and correcting errors in articles. J. Y. Blabek and R. G. Anderson. 1,984,627; Dec. 18.
Machine for flotation of ores. A. W. Fahrenwald. 1,984,366; Dec. 18.
Machine for forming cushion brims. L. Daru. 1,985,021; Dec. 18.
Machine for harvesting potatoes and the like. W. G. Bunker. 1,984,826; Dec. 18.
Machine for making curbs and gutters. E. S. Clark and H. L. Andrus. 1,985,220; Dec. 18.
Machine for making frozen confections. R. G. Birr. 1,984,724; Dec. 18.
Machine for operating on textile threads. R. Robertson. 1,984,810; Dec. 18.
Machine for operating upon shoe parts. A. Bates, W. R. Barclay, and G. Hazelton. 1,984,453; Dec. 18.
Machine for packaging mattresses and the like. S. L. Ginsberg. 1,985,163; Dec. 18.
Machine for shaping metal can bodies. M. M. Sedwick. 1,984,600; Dec. 18.
Machine for wrapping rye bread. F. R. Schmitt. 1,984,812; Dec. 18.
Machines for the manufacture of roofing tiles, bricks, paving slabs, paving tiles, and the like. W. G. Powel. 1,984,985; Dec. 18.
Magazine, Music roll. T. F. Cheek. 1,984,462; Dec. 18.
Manifolding material, Producing. J. Q. Sherman. 1,985,062; Dec. 18.
Marker, Tennis court. W. L. Nottingham. 1,985,191; Dec. 18.
Masses, Production of artificial. H. Mark and H. Fikentscher. 1,984,417; Dec. 18.
Match package, Novelty. H. L. Freeman. 1,984,675; Dec. 18.
Material, particularly splinterless glass. K. Daimler and G. Balle. 1,984,671; Dec. 18.
Materials, Method and apparatus for treatment of non-gaseous. D. D. Peebles. 1,984,381; Dec. 18.
Materials, Separating composite. F. Tschudy. 1,984,386; Dec. 18.
Materials, Volatilizing. I. H. Derby. 1,984,731; Dec. 18.
McLeod gauge. H. A. Rose. 1,984,994; Dec. 18.
Measuring apparatus for rolled material. R. Kronenberg. 1,984,837; Dec. 18.
Measuring drum for screw-micrometers. E. Scheller. 1,985,061; Dec. 18.
Measuring instrument, Electrical. H. T. Faus. 1,985,082; Dec. 18.
Meat scoring machine. P. L. Weirtz. 1,985,125; Dec. 18.
Mechanical chair. P. Dalyze. 1,984,397; Dec. 18.
Mercury switch. C. Hatay. 1,984,478; Dec. 18.
Metal, Apparatus for the surface finishing of. O. F. Gottlieb and R. A. Sandberg. 1,984,528; Dec. 18.
Metal articles, Coating. R. K. Lee. 1,984,414; Dec. 18.
Metal package, Double compartment. C. L. Emmons. 1,984,570; Dec. 18.
Metal, Surface finishing of. O. F. Gottlieb and R. A. Sandberg. 1,984,527; Dec. 18.
Metals, Distillation of. F. Johannsen. 1,985,171; Dec. 18.
Metallic container. L. M. La Duke. 1,984,934; Dec. 18.
Meter: *See*—
Electric meter.
Meter testing arrangement. J. S. Murray. 1,984,688; Dec. 18.
Mica insulator. W. H. Banks, jr., and W. A. Graham. 1,984,911; Dec. 18.
Microscopic objects with incident light, Device for illuminating. W. Bauersfeld. 1,985,072; Dec. 18.
Milk, Apparatus for cooling and aerating. L. J. R. Hasselberg. 1,984,581; Dec. 18.
Milk, Apparatus for pasteurizing. T. H. Anglim. 1,984,956; Dec. 18.
Mining machine. F. A. Lindgren. 1,984,487; Dec. 18.
Mining streams. E. Mallery. 1,984,802; Dec. 18.
Mirror attachment for automobiles. H. A. Luthringshausen and I. Pine. 1,985,179; Dec. 18.
Mirror supporting device. A. J. Gaines. 1,984,676; Dec. 18.
Mixer and beater. C. P. Werner. 1,984,557; Dec. 18.
Mixing and juice extracting machine. H. C. Wright. 1,984,619; Dec. 18.
Mixing valve. F. D. and H. Pfening, jr. 1,984,595; Dec. 18.
Mixing valve, Thermostatically regulated. M. M. Phillips and A. P. Schaefer. 1,984,892; Dec. 18.
Motor: *See*—
Synchronous motor.
Motor control system. G. Brunner. 1,984,915; Dec. 18.
Motor control, System of. C. J. Axtell. 1,985,070; Dec. 18.
Motor vehicle jack. L. R. Sessions and J. B. Black. 1,984,766; Dec. 18.
Mounting for electrical devices. E. Soreny. 1,984,998; Dec. 18.
Mounting for rotor shaft of variable condenser. S. Cohen. 1,984,464; Dec. 18.
Mounting, Ophthalmic. R. R. Browning. 1,984,914; Dec. 18.
Mower, Lawn. T. B. Funk. Des. 94,082; Dec. 18.
Multiple bolt lock. R. M. Lamb. 1,985,176; Dec. 18.
Multiple winding reel. H. H. Talbot and W. W. McBane. 1,984,776; Dec. 18.
Musical instrument, Wind. L. M. Schaefer. 1,984,704; Dec. 18.
Navigating instrument. J. Wright. 1,984,390; Dec. 18.
Negative by reversal, Producing. R. H. Harrison. 1,984,580; Dec. 18.
Nicotine from tobacco, Expulsion of. W. Wagner. 1,984,445; Dec. 18.
Nose-piece for microscope objectives. W. Bauersfeld. 1,985,073; Dec. 18.
Nuts, Manufacturing. J. M. G. Fullman. 1,984,873; Dec. 18.
Oil refining apparatus. N. Weber. 1,985,068; Dec. 18.
Oil sampling valve. G. J. Belknap. 1,984,626; Dec. 18.
Oils and fats the unsaponifiable fraction possessing the vitamin potency present therein, Separating or extracting from. C. L. Barthen. 1,984,858; Dec. 18.
Oils, Conversion of hydrocarbon. K. Swartwood. 1,984,662; Dec. 18.
Oils, Converting hydrocarbon. J. K. Roberts. 1,985,214; Dec. 18.
Oils, Distilling. H. L. Doherty. 1,984,522; Dec. 18.
Oils, Process and apparatus for cracking. W. F. Moore. 1,985,053; Dec. 18.
Oils, Treatment of hydrocarbon. P. Mather and D. J. Bergman. 1,984,686; Dec. 18.
1-amino-arylene thiazoles and their production. H. A. Lubs and J. E. Cole. 1,984,885–6; Dec. 18.
Ore classifier. T. A. Dickson. 1,984,362; Dec. 18.
Ores, Process of and apparatus for roasting and sintering pulverulent sulphuriferous. H. Kiencke. 1,984,747; Dec. 18.
Organic compounds, Producing oxygenated. W. A. Lazier. 1,984,884; Dec. 18.
Oscillations of vehicle bodies, Controlling. J. M. Nalle. 1,984,539; Dec. 18.
Oscillator, Piezo-electric. W. M. Knott. 1,984,533; Dec. 18.
Oxygen cutting process. J. J. Crowe. 1,985,080; Dec. 18.
Package. T. V. Quarnstrom. 1,984,760; Dec. 18.
Package. W. E. Wilson. Re19,403; Dec. 18.
Paper making machines, Apparatus for feeding. G. D. Kilberry. 1,984,484; Dec. 18.
Paper package, Wax. B. E. Baker. 1,984,780; Dec. 18.
Parking light. R. M. Stein. 1,984,817; Dec. 18.
Partition. A. H. Tashjian. 1,985,196; Dec. 18.
Pavement slab. P. J. Piccirilli. 1,984,944; Dec. 18.
Pedal attachment for dancing and the like. G. B. Reed. 1,984,989; Dec. 18.
Pen, Fountain. L. F. Wooldridge. Des. 94,106; Dec. 18.
Petroleum emulsions, Breaking. M. de Groote and B. Keiser. 1,984,633; Dec. 18.
Petroleum oil, Neutralizing a. J. Robinson. 1,984,432; Dec. 18.
Phenolic condensation product and making the same. E. E. Novotny. 1,984,423; Dec. 18.

Phosphorus, Production of pure. A. H. Fiske and C. S. Bryan. 1,984,674; Dec. 18.
Photo-electric cell. A. A. Thomas. 1,984,777; Dec. 18.
Photographs, Process and apparatus for copying. H. Schambach and F. H. Müller. 1,984,808; Dec. 18.
Photography, Color. A. von Biehler. 1,984,504; Dec. 18.
Photo television, System of multiple. A. M. Denham. 1,984,466; Dec. 18.
Phototube. E. D. Wilson. 1,985,006; Dec. 18.
Photo tube control of grid-glow tubes. L. R. Quarles. 1,984,987; Dec. 18.
Picture transmitting system. O. Fulton. 1,985,084; Dec. 18.
Pigskin articles, Making. S. M. Straus. Re19,402; Dec. 18.
Pile fabric, Producing. H. B. Brainard. 1,985,141; Dec. 18.
Pile fabrics, Apparatus for weaving. J. J. Kanfmann. 1,985,208; Dec. 18.
Pile testing machine. F. H. Smith. 1,984,769; Dec. 18.
Pilot for hydrocarbon burners, Oil. A. J. Frame. 1,984,573; Dec. 18.
Pilot for hydrocarbon fuel burners, Electric. A. J. Frame. 1,984,572; Dec. 18.
Pinking attachment or machine. B. H. Livinson and H. F. Webster. 1,984,937; Dec. 18.
Pipe cleaner. R. P. Clark and H. E. Fee. 1,984,964; Dec. 18.
Pipe lifter and aligner. J. E. Crockett. 1,985,152; Dec. 18.
Pipe pushing tool. J. P. Koenig. 1,984,834; Dec. 18.
Pipe welding apparatus. T. W. C. Beattie. 1,984,720; Dec. 18.
Piston and ring structure, Combined. W. G. G. Gordon. 1,984,409; Dec. 18.
Piston ring joint. O. S. McCurdy. 1,984,889; Dec. 18.
Pitch propeller, Automatic variable. C. W. Lambert. 1,985,041; Dec. 18.
Pitter, Peach. H. H. Davison and J. F. Pagendarm. 1,984,361; Dec. 18.
Plaster base. W. F. Schulz. 1,985,193; Dec. 18.
Playground apparatus. W. H. Shaffert. 1,984,767; Dec. 18.
Playhouse. D. M. Warren. 1,984,666; Dec. 18.
Plug: *See*—
Fuse plug. Spark plug.
Revolving test plug.
Power transmission equipment. E. S. Bush. 1,985,015; Dec. 18.
Power transmission mechanism, Variable speed. F. A. Hayes. 1,984,797; Dec. 18.
Power-transmission system. W. Sykes. 1,985,000; Dec. 18.
Power transmitter, Hydraulic. C. Campbell. 1,985,146; Dec. 18.
Power transmitting mechanism. E. E. Wemp. 1,985,127; Dec. 18.
Preparation comprising glycol solutions of alkali metal salts of barbituric acid compounds. J. W. Forbing. 1,984,733; Dec. 18.
Press: *See*—
Extrusion press. Single crank press.
Laundry press.
Pressure regulator for gas refrigerator pilot lights. A. D. MacLean. 1,984,592; Dec. 18.
Printer, Hand. R. Jordan. 1,984,645; Dec. 18.
Printer, Multiple. J. C. Kroesen. 1,985,038; Dec. 18.
Printing machines, Web supply mechanism for. H. Hezel. 1,985,221; Dec. 18.
Projection screen. O. von Gruber. 1,985,066; Dec. 18.
Pulp refining and the like and apparatus therefor. F. S. Farley and R. B. Brown. 1,984,869; Dec. 18.
Pump: *See*—
Double casing pump. Liquid pump.
Pump. A. Wicha. 1,984,447; Dec. 18.
Pump driving mechanism. J. P. French. 1,984,735; Dec. 18.
Pump for gasoline engines, Fuel. G. R. Welch. 1,984,614; Dec. 18.
Pump operating mechanism. O. Watson. 1,984,667; Dec. 18.
Pump or motor, Rotary. R. English. 1,984,365; Dec. 18.
Punching machine. W. W. Lasker. 1,985,101; Dec. 18.
Pyrophosphates, Producing. A. H. Fiske and C. S. Bryan. 1,984,968; Dec. 18.
Racing apparatus. E. L. Ballew. 1,984,452; Dec. 18.
Rack for doors, Covered. H. Derman. 1,984,827; Dec. 18.
Radiator valve, Automatic steam. W. O. Wingard. 1,984,509; Dec. 18.
Radiator valve, Thermostatic. E. J. Donnelly. 1,984,402; Dec. 18.
Radiators, Forming. A. J. Mason and W. L. Tancred. 1,984,938; Dec. 18.
Radio frequency currents, Varying. M. Osnos. 1,985,104; Dec. 18.
Radio frequency transformer and ribbon winding therefor. F. C. Molter. 1,984,979; Dec. 18.
Radio receiving system. P. K. Giddens. 1,984,408; Dec. 18.
Radio signaling, Short wave. A. Bailey. 1,984,451; Dec. 18.
Radio transmitting system. J. B. Coleman. 1,985,019; Dec. 18.
Razor blade holder. F. A. Wennerstrom. 1,984,906; Dec. 18.
Razor, Safety. Z. A. Keith. 1,984,586; Dec. 18.
Razor, Safety. J. H. Woods. 1,985,132; Dec. 18.
Records, Apparatus for checking and verifying. L. E. Brougham. 1,984,516; Dec. 18.
Rectifier, Dry. W. C. van Geel, J. H. de Boer, and H. Emmens. 1,985,118; Dec. 18.
Reduction gear. E. S. Bush. 1,985,016; Dec. 18.
Reed for looms. W. H. Fish. 1,984,732; Dec. 18.
Reed for musical instruments. A. Montenare. 1,985,102; Dec. 18.
Reel: *See*—
Multiple winding reel. Vertical strip reel.
Reel. G. A. Gleason. 1,984,738; Dec. 18.
Reeling apparatus. W. E. Mougey. 1,984,538; Dec. 18.
Refractory material. B. J. Patton. 1,984,759; Dec. 18.
Refrigerating apparatus. L. A. Bantn. 1,985,138; Dec. 18.
Refrigerating system. C. Steenstrup. 1,985,065; Dec. 18.
Refrigerator. E. W. Mize. 1,984,977; Dec. 18.
Refrigerator control. J. E. Grant and R. B. Davison. 1,984,639; Dec. 18.
Regulating valve. T. B. Ford. 1,984,792; Dec. 18.
Regulator: *See*—
Automatic fuel regulator. Generator voltage regulator.
Dual temperature regulator. Hydraulic regulator.
Regulator and cut-out relay for dynamos. J. Bohli. 1,984,820; Dec. 18.
Release valve. S. E. Allen and O. N. Wiswell. 1,984,510; Dec. 18.
Remote control system. W. W. Ashworth. 1,985,007; Dec. 18.
Remote controlled device for inserting and extracting primers for large bore guns. N. E. Methlin. 1,985,185; Dec. 18.
Resistor. F. Gahn. 1,984,925; Dec. 18.
Resonator, Variably tuned piezo-electric. M. Osnos. 1,984,424; Dec. 18.
Retaining device for flush tank covers. M. Edelman. 1,984,403; Dec. 18.
Return bend. R. Burke. 1,984,353; Dec. 18.
Revolving test plug. T. L. Cole and A. J. Kinsella. 1,984,864; Dec. 18.
Road heating machine. F. L. Van Allen and A. T. King. 1,984,849; Dec. 18.
Rod handling machine. C. F. Hood. 1,984,744; Dec. 18.
Rod or wire structure fabricating machine. O. Hauck. 1,984,742; Dec. 18.
Rods, Apparatus for handling. F. W. Lorig. 1,984,750; Dec. 18.
Rods, Forming connecting. W. H. Bagley. 1,984,624; Dec. 18.
Rolls, Apparatus for cleaning metal working. L. S. Dahl and J. L. Peet. 1,984,729; Dec. 18.
Roofing, Apparatus for making. A. G. Leonard, jr. 1,984,647; Dec. 18.
Rotor for self-starting synchronous electric motors for clocks and the like. A. Haigis. 1,985,091; Dec. 18.
Rubber articles, Manufacture of. D. F. Twiss, E. A. Murphy, and A. Niven. 1,985,002; Dec. 18.
Rubber ring cutting machine. G. F. Darling. 1,984,730; Dec. 18.
Rule, Educational. R. V. Erk. Des. 94,078; Dec. 18.
Safety device for cutter rollers of cigar machines. W. H. Schussler. 1,984,813; Dec. 18.
Saline products, Process and apparatus for dehydrating. C. W. Jones, T. J. Murray, and G. F. Andersen. 1,984,833; Dec. 18.
Salt compounds from crude oil, Removing. C. R. Wagner. 1,984,903; Dec. 18.
Sand cleaning machine and method. G. A. Robertson. 1,984,431; Dec. 18.
Sash operator and fastener. C. O. Goserud. 1,985,089; Dec. 18.
Sash operator and fastener, Combination storm. C. O. Goserud. 1,985,088; Dec. 18.
Sash operator and fastener, Storm. C. O. Goserud. 1,985,090; Dec. 18.
Saw chuck, Scroll. H. E. Tautz. 1,984,500; Dec. 18.
Sawing apparatus. J. Weissman and H. Zaretzky. 1,984,508; Dec. 18.
Sawmill, Portable. M. E. Peace. 1,984,492; Dec. 18.
Scale stirrup. S. N. Hurt. 1,984,582; Dec. 18.
Scale, Weighing. I. K. Hutchinson and R. A. Wolff. 1,984,412; Dec. 18.
Scale, Weighing. O. G. Reeves. 1,984,598; Dec. 18.
Scale, Weighing. E. G. Thomas. 1,984,606; Dec. 18.
Scale, Weighing. C. J. Zinke. 1,984,561; Dec. 18.
Scoring device for duplicate games. H. W. Slauson. 1,984,844; Dec. 18.
Scraper, Rotary. J. H. Miller. 1,985,188; Dec. 18.
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Sealing device. J. E. Ott. 1,984,652; Dec. 18.
Seamer for cans, Hand. M. M. Sedwick. 1,984,601; Dec. 18.
Seed package and display means therefor. F. D. Scandling and R. L. Van de Vate. 1,984,434; Dec. 18.
Selector switch. R. Rummelt. 1,984,703; Dec. 18.
Sensitivity control for radio receiving systems. H. J. J. M. D. De Bellescize. 1,984,400; Dec. 18.
Separable fastener. F. G. Manson. 1,984,378; Dec. 18.

Serval drier. E. R. Boruff. 1,984,821; Dec. 18.
Sewing machine, Blind stitch. C. W. Mueller. 1,984,754–5; Dec. 18.
Sewing machines, Combined looper and loop cutting attachment for. W. C. Stewart. 1,984,772; Dec. 18.
Sewing machines, Folder mounting for. F. A. Kucera. 1,984,587; Dec. 18.
Sewing machines, Plaiting attachment for. H. Robbins. 1,985,106; Dec. 18.
Sewing machines, Top feed mechanism for blind stitch. C. W. Mueller. 1,984,593; Dec. 18.
Shade raising device, Window. W. S. Pickett. 1,985,105; Dec. 18.
Shaker or similar article. E. A. Schuelke. Des. 94,098; Dec. 18.
Sharpener, Razor blade. E. J. Scarlett. 1,984,764; Dec. 18.
Shear device. T. D. Williams. 1,984,717; Dec. 18.
Shear, Flying. F. C. Biggert, jr. 1,984,913; Dec. 18.
Shears. A. P. Boucher. 1,984,358; Dec. 18.
Sheet feeding apparatus. M. Liebusch. 1,984,588; Dec. 18.
Sheet feeding apparatus. J. H. McElroy. 1,984,890; Dec. 18.
Shelving. G. R. Gibson and A. Wood. 1,984,473; Dec. 18.
Shield, Paper radiator. B. Altheimer. 1,985,008; Dec. 18.
Shingle, Reversible. N. P. Harshberger. 1,984,529; Dec. 18.
Shock absorber. J. M. Keller. 1,985,034; Dec. 18.
Shock absorber. J. W. Watson. 1,985,122; Dec. 18.
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Shoe. A. F. Bancroft. Des. 94,066; Dec. 18.
Shoe. A. Cohan. Des. 94,075; Dec. 18.
Shoe. C. H. Kreider. Des. 94,088; Dec. 18.
Shoe. W. Weidner. Des. 94,104–5; Dec. 18.
Shoe and drum brake, Internal. R. B. Wenner. 1,985,128; Dec. 18.
Shoe and the manufacture thereof, Welted. D. W. Bunker. 1,985,202; Dec. 18.
Shoe fitting device. E. J. Bliss. 1,985,199; Dec. 18.
Shoe or similar article. A. M. Bressler. Des. 94,070; Dec. 18.
Shovel handle, Metal-and-wood. W. W. Wood, 3d. 1,984,560; Dec. 18.
Shrinking and felting, Apparatus for and method of. R. K. Reynolds. 1,984,701; Dec. 18.
Sifting apparatus. F. G. Schwartz. 1,985,109; Dec. 18.
Sign flasher. I. Nachumsohn. 1,984,939; Dec. 18.
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Sign support. M. K. Markman. Des. 94,090; Dec. 18.
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Single crank press, Straight side. R. E. Wissman. 1,984,908; Dec. 18.
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Speed control. A. von Engel, R. G. Berthold, and R. Rüdenberg. 1,985,003; Dec. 18.
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Speed transmission apparatus, Variable. E. S. Bush. 1,985,017; Dec. 18.
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Swatter, Fly. Y. N. Sarantos. 1,984,436; Dec. 18.
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Switch and making the same, Fluid flow. F. Moos. 1,984,419; Dec. 18.
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Tenter clip. J. H. Williams. 1,984,616; Dec. 18.
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Testing device. C. H. Rumpel. 1,984,995; Dec. 18.
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Textile apparatus. W. Howarth. 1,984,798; Dec. 18.
Textile materials made of or containing organic derivatives of cellulose, Treatment of. G. H. Ellis and R. C. Storey. 1,984,788; Dec. 18.
Theatre marquise. W. O. Prouty. 1,984,986; Dec. 18.
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Thermometer and making the same. E. Bandoly. 1,984,819; Dec. 18.
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Tire, Vehicle. A. Miller. 1,985,187; Dec. 18.
Tires and the like, Apparatus for the vulcanization of rubber. J. R. Stricklen and S. A. Fraine. 1,984,818; Dec. 18.
Tobacco, Apparatus for conveying cut. C. W. Müller. 1,984,980; Dec. 18.
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Tool for removing bearings. L. O. Beard. 1,984,960; Dec. 18.
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Tool lifting device. P. McShane. 1,985,049; Dec. 18.
Tools, Making. H. Kohl. 1,984,835; Dec. 18.
Toothbrush handle. W. S. Elliot. 1,984,787; Dec. 18.
Top, Folding. J. A. Olivier. 1,984,695; Dec. 18.
Torpedo tube. N. E. Methlin. 1,985,184; Dec. 18.
Toy. G. Schoenfeld. 1,984,843; Dec. 18.
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Track gauging device. J. H. McFadden. 1,984,650; Dec. 18.
Tractor and trailer, Combination. H. H. Robinson. Des. 94,096; Dec. 18.
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Tray, bread knife, and holder, Combined. J. S. Ness. Des. 94,094; Dec. 18.
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Tube handling apparatus. J. W. Offutt. 1,984,756; Dec. 18.
Tubular products, Treating. F. N. Speller. 1,984,771; Dec. 18.
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Underwater transmitter and receiver. P. T. Russell. 1,984,383; Dec. 18.
Vacuum break device for water service systems. J. A. Vogel. 1,985 120; Dec. 18.
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Valve control mechanism for tank vehicles. J. A. Jensen. 1,985,207; Dec. 18.
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Valve for oil wells, Float operated. T. W. Harrington. 1,984,741; Dec. 18.
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Vapor phase cracking process. M. B. Cooke and H. C. Schutt. 1,984,569; Dec. 18.
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Velocipede. H. L. van Doren, and J. G. Rideout. Des. 94,102; Dec. 18.
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Vending machine. J. Rinaldi. 1,984,893; Dec. 18.
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Vertical strip reel. J. A. Smitmans. 1,984,815; Dec. 18.
Vibration translation device. C. F. Wiebusch. 1,985,005; Dec. 18.
Vibrator, Mold. C. Dietrichs. 1,984,363; Dec. 18.
Visible flow indicator. C. E. Carlson. 1,984,630; Dec. 18.
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Walls of mudded bore-holes, Cleaning the. J. W. Weir, H. S. Montgomery, and A. W. Knight. 1,984,668; Dec. 18.
Waste apparatus. H. S. Steen. 1,984,950; Dec. 18.
Water circulator and feed water heating unit for boilers, Combination. E. H. Waldrop and G. M. Petty. 1,984,608; Dec. 18.
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Wave repeating system and apparatus. P. M. Haffcke. 1,984,476; Dec. 18.
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Web roll controlling mechanism. F. Lamatsch. 1,984,749; Dec. 18.
Weight of the laps produced by the scutcher in a spinning mill, Method and apparatus for regulating the. H. Pferdmenges. 1,985,056; Dec. 18.
Welding apparatus, Electric arc. F. L. Re Qua, assignor to Steel-Weld Equipment Corporation Ltd. 1,984,809; Dec. 18.
Welding method. W. Raupach and F. Kalkner. 1,984,988; Dec. 18.
Welding rod of copper. O. Brandenberger. 1,985,142; Dec. 18.
Well boring machine. C. E. Bannister. Re19,397; Dec. 18.
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Wiper for automobiles and the like, Windscreen. C. B. Baggs. 1,985,071; Dec. 18.
Wire clamp. H. W. Bodendieck. 1,984,566; Dec. 18.
Wire guide for tilting insulators. S. C. Killian. 1,984,881; Dec. 18.
Wire sealing machine. W. King. 1,984,882; Dec. 18.
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Wrappers, Mechanism for twisting the ends of. A. G. Rose. 1,984,894; Dec. 18.
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Wurtzite from zinc blende, Manufacture of. J. Rockstroh, F. Raspe, and H. Kircher. 1,984,763; Dec. 18.
X-ray tube in which the active surface of the electrode emitting rays is provided with seams. G. B. Jonas. 1,984,583; Dec. 18.
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Barré, Pierre, Paris, France. Wines. Serial No. 357,524; Dec. 25. Class 47.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. Serial No. 357,587; Dec. 25. Class 17.

Bechtold, William L., Newark, N. J. Preparation for the treatment of gums. Serial No. 341,891; Dec. 25. Class 6.

Bechtold, William L., Newark, N. J. Antiseptic and astringent. Serial No. 355,826; Dec. 25. Class 6.

Bourjois, Inc., New York, N. Y. Powder puffs. Serial No. 343,949; Dec. 25. Class 29.

Burroughs, Edgar Rice, Inc., Tarzana, Calif. Candy, chewing gum, canned fruits, etc. Serial No. 342,577; Dec. 25. Class 46.

Burroughs, Edgar Rice, Inc., Tarzana, Calif. Paper bags, cardboard boxes, packing cases, etc. Serial No. 342,635; Dec. 25. Class 2.

Burton Brothers & Co., Inc., New York, N. Y. Cotton piece goods, artificial silk, etc. Serial No. 357,804; Dec. 25. Class 42.

Buswell, C., & Company, Limited, London, England. Scotch whisky. Serial No. 357,619; Dec. 25. Class 49.

Cannon Shoe Company, Baltimore, Md. Hosiery. Serial No. 358,040; Dec. 25. Class 39.

Carson Pirie Scott and Company, Chicago, Ill. Coffee. Serial No. 352,901; Dec. 25. Class 46.

Catholic Daughters of America, The, New York, N. Y. Periodical. Serial No. 357,191; Dec. 25. Class 38.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial No. 357,709; Dec. 25. Class 42.

Chicago Electric Manufacturing Company, Chicago, Ill. Electrically driven tools. Serial No. 357,711; Dec. 25. Class 23.

Coast Fishing Company, Wilmington, Calif. Canned cat food. Serial No. 356,616; Dec. 25. Class 46.

Construction Materials Research Co., San Francisco, Calif. Publication. Serial No. 356,998; Dec. 25. Class 38.

Crescent Supply Company, The, Marietta, Ohio. Lubricating oils and greases. Serial No. 357,590; Dec. 25. Class 15.

Czechoslovak Music Co., New York, N. Y. Accordions, piano accordions, mouth harmonicas, etc. Serial No. 354,975; Dec. 25. Class 36.

Czechoslovak Music Co., New York, N. Y. Accordions, piano accordions, mouth harmonicas, etc. Serial No. 357,319; Dec. 25. Class 36.

Dalton Hat Company, Yonkers, N. Y. Men's hats. Serial No. 357,369; Dec. 25. Class 39.

Delaville, Maurice C. E., St. Maurice, France. Ampoules. Serial No. 356,250; Dec. 25. Class 6.

Delta Manufacturing Company, Milwaukee, Wis. Electric motors and bench grinders. Serial No. 357,894; Dec. 25. Class 21.

Distillerie dell'Aurum Soc. An., Pescara, Italy. Brandy, cognac, etc. Serial No. 356,580; Dec. 25. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Wines. Serial No. 345,954; Dec. 25. Class 47.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,956; Dec. 25. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,958; Dec. 25. Class 49.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Brandies. Serial No. 345,963; Dec. 25. Class 49.

Durkan, John, Scranton, Pa. Magazine. Serial No. 355,085; Dec. 25. Class 38.

Eagle Boys Suit Corp., New York, N. Y. Boys' and girls' outergarments. Serial No. 357,489; Dec. 25. Class 39.

Earhart, Amelia, Inc., New York, N. Y. Hand luggage and trunks. Serial Nos. 357,727–8; Dec. 25. Class 3.

Educational Printing House, Inc., Columbus, Ohio. Series of textbooks. Serial No. 357,793; Dec. 25. Class 38.

Everett & Barron Co., Providence, R. I. Garters and hosiery. Serial No. 348,324; Dec. 25. Class 39.

Faichney Instrument Corporation, Watertown, N. Y. Clinical thermometers. Serial No. 357,983; Dec. 25. Class 44.

Federal Razor Blade Company, The, Newark, N. J. Razor blades. Serial No. 357,856; Dec. 25. Class 23.

Feinstein, E. S., & Company, New York, N. Y. Jewelry. Serial No. 357,895; Dec. 25. Class 28.

Fetsch, F. A., doing business as Mimi Laboratories, Los Angeles, Calif. Nail polish. Serial No. 354,116; Dec. 25. Class 6.

Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 358,365; Dec. 25. Class 49.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Vehicle tires. Serial No. 358,129; Dec. 25. Class 35.

Flores, Pedro, doing business as Hi-Lo Manufacturing & Distributing Company, Akron, Ohio. Indoor and outdoor game. Serial No. 356,301; Dec. 25. Class 22.

Frankford Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial No. 347,907; Dec. 25. Class 49.

Gardiner, Robert M., San Francisco, Calif. Canned crab meat. Serial No. 357,627; Dec. 25. Class 46.

General Fire Truck Corporation, The, St. Louis, Mo. Portable hand fire extinguishers. Serial No. 358,095; Dec. 25. Class 23.

Gettelman, A., Brewing Co., Milwaukee, Wis. Beer. Serial No. 357,901; Dec. 25. Class 48.

Goldhaber, Jacob, Johnstown, Pa. Beverages and syrups for making the same. Serial No. 356,033; Dec. 25. Class 45.

Good Humor Corporation of America, Brooklyn, N. Y. Tea. Serial No. 350,721; Dec. 25. Class 46.

Gordon, William, West New York, N. J. Straight whiskies, rye, and bourbon. Serial No. 358,015; Dec. 25. Class 49.

Gotham Silk Hosiery Company, Inc., New York, N. Y. Bathing suits. Serial No. 357,245; Dec. 25. Class 39.

Groves, Frederick H., Dormont, Pa. Metal box clamps. Serial No. 357,631; Dec. 25. Class 13.

Hagger Company, Dallas, Tex. Pants. Serial No. 357,951; Dec. 25. Class 39.

Hall-Welter Co., Inc., Rochester, N. Y. Check-making machines. Serial No. 357,552; Dec. 25. Class 23.

Hearn Department Stores, Inc., New York, N. Y. Publication. Serial No. 357,731; Dec. 25. Class 38.

Heller, George W., Inc., New York, N. Y. Trousers and waistcoats for men. Serial No. 353,850; Dec. 25. Class 39.

Hellman Company, Inc., The, St. Louis, Mo. Whiskey. Serial No. 358,320; Dec. 25. Class 49.

Herberts Machinery Co., Ltd., Los Angeles, Calif. Electric motors. Serial No. 357,463; Dec. 25. Class 21.

Hi-Lo Manufacturing & Distributing Company. (See Flores, Pedro.)

Holcepl, Berta, New York, N. Y. Periodicals. Serial No. 350,757; Dec. 25. Class 38.

Holst-Knudsen, S., New York, N. Y. Cheese. Serial No. 357,669; Dec. 25. Class 46.

Horner Brothers Woolen Mills, Eaton Rapids, Mich. Wool yarn. Serial No. 355,262; Dec. 25. Class 43.

Hyatt Roller Bearing Company, Harrison, N. J. Bearings, shaft hangers, etc. Serial No. 356,192; Dec. 25. Class 23.

Hydrocarbon Company, The, Ponca City, Okla. Lubricating oils. Serial No. 358,179; Dec. 25. Class 15.

Ideal Bathrobe Co., Inc., Brooklyn, N. Y. Snow suits, ski suits, and ski pants. Serial No. 348,130; Dec. 25. Class 39.

Johnson & Johnson, New Brunswick, N. J. Athletic supporters. Serial No. 358,322; Dec. 25. Class 44.

Joseph, Sam M., doing business as Saghbeen Laboratories, Akron, Ohio. Medicinal preparation. Serial No. 356,194; Dec. 25. Class 6.

Kalning, William C., Linden, N. J. Radiator vent valves. Serial No. 357,733; Dec. 25. Class 13.

Kerker, Fred C., doing business as Nu-A-Lu Company, Jackson Heights, New York, N. Y. Aluminum cleaner. Serial No. 357,777; Dec. 25. Class 4.

Kress, S. H., & Co., New York, N. Y. Powder puffs, nail brushes, complexion brushes, etc. Serial No. 358,101; Dec. 25. Class 29.

Lambert Marketing Company, Sacramento, Calif. Fresh deciduous fruits. Serial No. 355,480; Dec. 25. Class 46.

Lee and Edwards Corporation, Tampa, Fla. Fresh citrus fruits. Serial No. 357,375; Dec. 25. Class 46.

Leonard Company, The, Chicago, Ill. Gasoline, oils, and greases. Serial No. 356,771; Dec. 25. Class 15.

Lerner, Joseph S., Kansas City, Mo. Hosiery. Serial No. 358,056; Dec. 25. Class 39.

Life Savers, Inc., Port Chester, N. Y. Confectionery lozenges or pastiles. Serial No. 357,287; Dec. 25. Class 6.

Link-Belt Company, Chicago, Ill. Variable-speed transmissions or gears. Serial No. 358,057; Dec. 25. Class 23.

Link-Belt Company, Chicago, Ill. Chains and chain links. Serial No. 358,058; Dec. 25. Class 13.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Link-Belt Company, Chicago, Ill. Variable-speed transmissions or gears. Serial No. 358,059; Dec. 25. Class 23.
Lippe, Gerson L., doing business as Martin Envelope Co., New York, N. Y. Envelopes. Serial No. 357,778; Dec. 25. Class 37.
Lizzack, Joseph H., Newark, N. J. Foot preparations. Serial No. 356,506; Dec. 25. Class 6.
Margulies, Larry J., New York, N. Y. Piece goods. Serial No. 357,378; Dec. 25. Class 42.
Mariani Bros., Inc., Pearl River, N. Y. Vermouth. Serial No. 356,040; Dec. 25. Class 47.
Martin Envelope Co. (See Lippe, Gerson L.)
Marx, Louis, & Co., Inc., New York, N. Y. Dolls and mechanical toys, stuffed toy ducks, baseballs, etc. Serial No. 351,675; Dec. 25. Class 22.
McCoy, Ernest K., Norfolk, Va. Chemically treated and impregnated polishing cloths. Serial No. 356,486; Dec. 25. Class 4.
McLeod, Lemuel S., Charlestown, Boston, Mass. Turnips and potatoes. Serial No. 357,828; Dec. 25. Class 46.
Mengel Company, The, Louisville, Ky., and St. Louis, Mo. Washboards. Serial No. 358,378; Dec. 25. Class 24.
Miley, L. J., Company, Chicago, Ill. Brake lining. Serial No. 357,986; Dec. 25. Class 35.
Miley, L. J., Company, Chicago, Ill. Brake lining. Serial No. 357,988; Dec. 25. Class 35.
Miley, L. J., Company, Chicago, Ill. Brake lining. Serial No. 357,990; Dec. 25. Class 35.
Mimi Laboratories. (See Fetsch, F. A.)
Mirax Chemical Products Corporation, St. Louis, Mo. Cleaning powder, chemical preparation for emulsifying grease and oil, soap, etc. Serial No. 353,937; Dec. 25. Class 4.
Mix-It Hand Soap Company, The, West Somerville, Mass. Powdered or granular composition adapted to be mixed with water to form a hand soap paste. Serial No. 357,017; Dec. 25. Class 4.
Mohawk Milk Products Company, Inc., New York, N. Y. Evaporated milk. Serial No. 356,122; Dec. 25. Class 46.
Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif. Fresh citrus fruits. Serial No. 355,228; Dec. 25. Class 46.
National Lead Company, New York, N. Y. Compound for facilitating the casting of nonferrous metals. Serial No. 357,560; Dec. 25. Class 1.
National Wholesale Liquor Co., Inc., Baltimore, Md. Whiskey, gin, rum, etc. Serial No. 355,389; Dec. 25. Class 49.
New England Distilling Company, The, Covington, Ky. Whiskey, gin, rum, brandy, etc. Serial No. 358,383; Dec. 25. Class 49.
Northampton Brewery Corporation, Philadelphia, Pa. Beer. Serial No. 358,264; Dec. 25. Class 48.
North Pole Brewing Company, The, Fairmont, W. Va. Malt beverages. Serial No. 357,830; Dec. 25. Class 48.
Nu-A-Lu Company. (See Kerker, Fred C.)
Ordway, A. P., & Co., New York, N. Y. Sulphur bitters. Serial No. 358,062; Dec. 25. Class 6.
Orthopedic Laboratory Inc., New York, N. Y. Metatarsal supports. Serial No. 358,188; Dec. 25. Class 44.
Paper Makers Chemical Corporation, Wilmington, Del. Wax polish. Serial No. 356,153; Dec. 25. Class 16.
Paper Makers Chemical Corporation, Wilmington, Del. Black liquid paint, turpentine, linseed oil, etc. Serial No. 356,530; Dec. 25. Class 16.
Paper Makers Chemical Corporation, Wilmington, Del. Casein. Serial No. 358,295; Dec. 25. Class 5.
Paramount Sales Co., Los Angeles, Calif. Revolving illuminated signs. Serial No. 357,444; Dec. 25. Class 21.
Parsons Ammonia Company, Inc., New York, N. Y. Ammonia. Serial No. 357,445; Dec. 25. Class 6.
Penola Inc., Pittsburgh, Pa. Liquid waterproof coating for masonry floors. Serial No. 357,391; Dec. 25. Class 12.
Picker-Linz Importers, Inc., New York, N. Y. Wines. Serial No. 358,065; Dec. 25. Class 47.
Pillsbury Flour Mills Company, Minneapolis, Minn. Prepared mixture for the making of biscuits. Serial No. 337,353; Dec. 25. Class 46.
Pi-On Lifter Co., Wheeling, W. Va. Pie lifter. Serial No. 343,301; Dec. 25. Class 23.
Planters Nut & Chocolate Co., Wilkes-Barre, Pa., and Suffolk, Va. Peanuts, peanut butter, and peanut candy, etc. Serial No. 351,930; Dec. 25. Class 46.
Preservaline Manufacturing Co., The, Brooklyn, N. Y. Spices and seasonings, gelatine, etc. Serial No. 356,270; Dec. 25. Class 46.
Pure Candy Company. (See Redner, James A.)
Queen City Textile Corporation, Allentown, Pa. Fabric gloves. Serial No. 357,204; Dec. 25. Class 39.
Rainier Brewing Company, Inc., San Francisco, Calif. Beer. Serial No. 358,265; Dec. 25. Class 48.
Rainier Pulp & Paper Company, San Francisco, Calif. Wood pulp. Serial Nos. 358,110–11; Dec. 25. Class 1.
Redner, James A., doing business as Pure Candy Company, Battle Creek, Mich. Candy bars and other forms of candy. Serial No. 356,505; Dec. 25. Class 46.
Republic Distillers Products Company, Inc., New York, N. Y. Spirit whiskey. Serial No. 351,755; Dec. 25. Class 49.
Rhinelander Brewing Company, Rhinelander, Wis. Beer. Serial No. 357,682; Dec. 25. Class 48.
Ricamo, Lucia, Providence, R. I. Ointments and salves. Serial No. 356,065; Dec. 25. Class 6.
Richards, Robert, Inc., New York, N. Y. Tissue cream, cleansing cream, cold cream, etc. Serial No. 353,446; Dec. 25. Class 6.
Robinson, John R., New York, N. Y. Gaskets. Serial No. 346,252; Dec. 25. Class 35.
Saghbeen Laboratories. (See Joseph, Sam M.)
Salt Lake Tribune Publishing Company, Salt Lake City, Utah. Newspaper articles. Serial No. 357,923; Dec. 25. Class 38.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. Serial No. 357,963; Dec. 25. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Watch fob. Serial No. 351,826; Dec. 25. Class 28.
Seigel Brothers, Chicago, Ill. Ear muffs. Serial No. 356,399; Dec. 25. Class 39.
Smith, Henry S., doing business as Unit Sales Pharmacy, Chicago, Ill. Proprietary product. Serial No. 345,561; Dec. 25. Class 6.
Societe Emile Pernot (Societe Anonyme), Pontarlier, France. Distilled alcoholic liqueurs. Serial No. 357,750; Dec. 25. Class 49.
Sponge Rubber Products Co., The, Derby, Conn. Chair cushions, automobile-seat cushions, bath pillows, etc. Serial No. 358,159; Dec. 25. Class 32.
Squibb, E. R., & Sons, New York, N. Y. Intestinal evacuants. Serial No. 357,571; Dec. 25. Class 6.
Stamford Rubber Supply Company, The, Stamford, Conn. Vulcanized vegetable oils. Serial No. 355,080; Dec. 25. Class 1.
Stanley Works, The, New Britain, Conn. Electric soldering irons. Serial No. 358,160; Dec. 25. Class 21.
Stephens, Nellie L., doing business as U. S. Flexible Metallic Tubing Company, San Francisco, Calif. Hose and tube couplings. Serial No. 355,648; Dec. 25. Class 13.
Supreme Canning Company, Hartford, Conn. Canned pea soup. Serial No. 355,376; Dec. 25. Class 46.
Sussberg & Feinberg, Inc., New York, N. Y. Women's silk underwear. Serial No. 356,924; Dec. 25. Class 39.
Teichgraeber Milling Co., The, Gypsum, Kans. Wheat flour. Serial No. 358,268; Dec. 25. Class 46.
Tulitikku Oy, Helsinki, Suomi, Finland. Safety matches. Serial No. 357,999; Dec. 25. Class 9.
Tulon Products, Inc., New York, N. Y. Preparation to counteract the effects of nicotine. Serial No. 357,476; Dec. 25. Class 6.
Ullman Bros. Inc., New York, N. Y. Topcoats and overcoats. Serial No. 353,739; Dec. 25. Class 39.
Unit Sales Pharmacy. (See Smith, Henry S.)
U. S. Flexible Metallic Tubing Company. (See Stephens, Nellie L.)
Waldron, John, Corporation, New Brunswick, N. J. Gears. Serial No. 335,977; Dec. 25. Class 23.
Walgreen Co., Chicago, Ill. Sanitary napkins. Serial No. 358,232; Dec. 25. Class 44.
Ward, Thomas, Distilling Company, Incorporated, The, Westminster, Md. Whiskey. Serial No. 358,306; Dec. 25. Class 49.
Whitaker, Fred, Company, Philadelphia, Pa. Wool and rayon material. Serial No. 353,964; Dec. 25. Class 1.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Rhine wines. Serial No. 358,397; Dec. 25. Class 47.
Wilson Brothers, Chicago, Ill. Shirts. Serial No. 357,883; Dec. 25. Class 39.
Wine Trading Company. (See Wright, Walter R.)
Winthrop Chemical Company, Inc., New York, N. Y. Urinary antiseptic. Serial No. 357,578; Dec. 25. Class 6.
Wolverine-Empire Refining Co., New York, N. Y. Oils, greases, gasoline, and kerosene. Serial Nos. 356,929–30; Dec. 25. Class 15.
Wonder Products, Canton, Ohio. Cleansing compound. Serial No. 352,637; Dec. 25. Class 4.
Wood, Paul W., Company, San Francisco, Calif. Synthetic gilsonite. Serial No. 358,115; Dec. 25. Class 1.
Wright, Walter R., doing business as Wine Trading Company, Los Angeles, Calif. Wines. Serial No. 354,494; Dec. 25. Class 47.
Youngs Rubber Corporation, Inc., New York, N. Y. Prophylactic rubber articles. Serial Nos. 357,074–5; Dec. 25. Class 44.
Yukon Mill and Grain Company, Yukon, Okla. Self-rising flour. Serial No. 357,033; Dec. 25. Class 46.
Zotos Corporation, New York, N. Y. Hair-treating preparations. Serial No. 357,612; Dec. 25. Class 6.

CARNEGIE LIBRARY OF ATLANTA

LIST OF REGISTRANTS OF TRADE-MARKS

Aluminum Goods Mfg. Co., Jersey City, N. J., and Manitowoc, Wis. Aluminum fry pans, sauce pans, and pots, etc. 320,298; Dec. 25; Serial No. 352,217; published Oct. 16, 1934. Class 13.
American Fabrics Company, The, Bridgeport, Conn. Shoulder straps. 320,379; Dec. 25; Serial No. 354,593; published Oct. 16, 1934. Class 40.
American Hardware Corporation, The, New Britain, Conn. Hardware and plumbing supplies. 104,138–9; renewed May 4, 1935.
American Hardware Corporation, The, New Britain, Conn. Hardware supplies. 104,281; renewed May 18, 1935.
American Medicinal Spirits Company, The, Louisville, Ky. Whiskey. 320,388; Dec. 25; Serial No. 356,210; published Oct. 23, 1934. Class 49.
Athens Hosiery Mills. (See Fischer, Robert J., assignor.)
Augusta Knitting Corporation, Utica, N. Y. Union suits. 320,426; Dec. 25. Class 39.
Automatic Table Planing Co. (See Schwartzberg, Percy.)
Baby Rice Popcorn Company. (See Voelker, Matt.)
Barber Asphalt Company, The, Philadelphia, Pa. Asphalt roofing and shingles. 320,383; Dec. 25; Serial No. 354,274; published Oct. 16, 1934. Class 12.
Barclay & Barclay, assignor, by mesne assignments, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Pharmaceutical preparations and a medicinal preparation. 103,640; renewed Apr. 13, 1935.
Barker Bros., Incorporated, Los Angeles, Calif. Mattresses and bed-springs. 320,435; Dec. 25. Class 32.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits. 320,430; Dec. 25. Class 46.
Bartels Brewing Company, Edwardsville, to Bartels Brewing Company, Kingston, Pa. Beer. 102,025; renewed Jan. 26, 1935.
Beaver Valley Milling Company, Des Moines, Iowa. Wheat flour and corn meal. 100,750; renewed Oct. 27, 1934.
Bellows & Company, Inc., New York, N. Y. Sherry wine. 320,400–2; Dec. 25; Serial Nos. 355,789–91; published Oct. 16, 1934. Class 47.
Benz, George, Sons, Inc., St. Paul, Minn. Cordials, whiskies, gins, etc. 320,396; Dec. 25; Serial No. 356,099; published Oct. 23, 1934. Class 49.
Berard, William Edward and Theresa Isabel, Lowell, Mass. Whiskey, gin, rum, etc. 320,378; Dec. 25; Serial No. 354,594; published Oct. 23, 1934. Class 49.
Berry Brothers, Detroit, Mich. Varnishes. 103,552; renewed Apr. 6, 1935.
Berry Brothers, Detroit, Mich. Varnishes. 104,196; renewed May 11, 1935.
Blabon, Geo. W., Company, The, Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J. Linoleum floor cloth. 101,358; renewed Dec. 8, 1934.
Borgfeldt, George, & Co., assignor to Geo. Borgfeldt Corporation, New York, N. Y. Toys and favors. 102,669; renewed Feb. 23, 1935.
Brides House, Inc., New York, N. Y. Periodical. 320,307; Dec. 25; Serial No. 352,810; published Oct. 16, 1934. Class 38.
Briede & Rogovsky, to Briede & Rogovsky, Inc., Chicago, Ill., successor. Men's clothing. 104,166; renewed May 4, 1935.
Briggs, William R., doing business as Russell Paint Company, Chicago, Ill. Paints, varnishes, and stains. 320,403; Dec. 25; Serial No. 355,755; published Oct. 16, 1934. Class 16.
Britigan, Robert D., Chicago, Ill. Calculating device for measuring the length of goods or the number of articles by weight. 320,365; Dec. 25; Serial No. 354,888; published Oct. 16, 1934. Class 26.
Brown, George A., doing business as Medicinal Products Company, Portland, Oreg. Cough drops. 320,288; Dec. 25; Serial No. 352,027; published Oct. 16, 1934. Class 6.
Bruckner, Herman A., Jersey City, N. J. Remedy for the treatment of nervous disorders. 103,688; renewed Apr. 13, 1935.
Buffalo Specialty Company, by change of name to Liquid Veneer Corporation, Buffalo, N. Y. Tire fluid. 102,784; renewed Feb. 23, 1935.
Buhl Optical Company, Pittsburgh, Pa. Ophthalmic lenses, prisms, spectacle and eyeglass frames and mountings, and parts thereof. 320,342; Dec. 25; Serial No. 337,407; published Oct. 16, 1934. Class 26.
California Fig Syrup Company, Reno, Nev., and San Francisco, Calif., assignor, by mesne assignments, to Sterling Products (Incorporated), Wheeling, W. Va. Liquid purgative compound. 12,118; renewed Apr. 14, 1935.
California Fig Syrup Co., Reno, Nev.; San Francisco, Calif.; Louisville, Ky.; Wheeling, W. Va.; and New York, N. Y., assignor, by mesne assignments, to Sterling Products (Incorporated), Wheeling, W. Va. Liquid laxative medicines. 104,087; renewed Apr. 27, 1935.
California Packing Corporation, San Francisco, Calif. Canned fruits, canned vegetables, etc. 320,354; Dec. 25; Serial No. 355,162; published Oct. 16, 1934. Class 46.
Cannizzaro Wine Co. Inc., New York, N. Y. Wines. 320,303; Dec. 25; Serial No. 352,713; published Oct. 16, 1934. Class 47.
Carson, Robert P., Manitou, to Sarah Carson, Denver, Colo., successor. Medicine. 99,691; renewed Sept. 15, 1934.
Chatillon, John, & Sons, New York, N. Y. Force resistance systems embodied in force measuring machines. 320,310; Dec. 25; Serial No. 353,210; published Oct. 16, 1934. Class 26.
Chicago Flexible Shaft Company, Chicago, Ill. Kitchen utensils. 320,296; Dec. 25; Serial No. 349,400; published May 22, 1934. Class 23.
Chicago Mail Order Company, Chicago, Ill. Shoes. 320,440; Dec. 25. Class 39.
Columbus Dental Manufacturing Co., The, Columbus, Ohio. Staining composition for porcelain bodies. 320,363; Dec. 25; Serial No. 354,924; published Oct. 16, 1934. Class 44.
Columbus Dental Manufacturing Co., The, Columbus, Ohio. Dental investment composition. 320,364; Dec. 25; Serial No. 354,923; published Oct. 16, 1934. Class 44.
Commonwealth Varnish Co., Chicago, Ill. Varnishes. 104,090; renewed Apr. 27, 1935.
Conrad, Carl S., New York, N. Y. Package candies. 320,382; Dec. 25; Serial No. 354,460; published Oct. 16, 1934. Class 46.
Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, by change of name to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Furniture and upholstery. 101,774; renewed Jan. 12, 1935.
Dayton Rubber Manufacturing Company, The, Akron, Ohio. Printers' rubber rolls. 320,299; Dec. 25; Serial No. 352,226; published Oct. 16, 1934. Class 23.
Detroit Fuse & Manufacturing Company, by change of name to Square D Company, Detroit, Mich. Fuses, switches, clips, etc. 103,050; renewed Mar. 16, 1935.
Diamond Wine Co. (See Hommel, Wm. H.)
Dickinson, Albert, Company, The. (See Illinois Seed Co., The, assignor.)
Dohat Laboratories, New York, N. Y. Nonmetallic dental plates. 320,431; Dec. 25. Class 44.
D'Orsay, Marcelle, doing business as Nos-Ease Company, New York, N. Y. Cushions for spectacle frames. 320,421; Dec. 25. Class 26.
Eastern States Farmers' Exchange, West Springfield, Mass. Feed for livestock and poultry. 320,294; Dec. 25; Serial No. 346,155; published Oct. 16, 1934. Class 46.
East India Medicine Company. (See Cassaway, Eugene G.)
Eastman Kodak Company, Rochester, N. Y. Photographic prints. 320,346–7; Dec. 25; Serial Nos. 355,302–3; published Oct. 16, 1934. Class 38.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber composition for general cleaning purposes. 320,326; Dec. 25; Serial No. 354,198; published Oct. 16, 1934. Class 4.
Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. 320,410; Dec. 25; Serial No. 355,613; published Oct. 16, 1934. Class 21.
English Needle & Fishing Tackle Company Limited, The, Studley, England. Needles. 320,291; Dec. 25; Serial No. 349,713; published Oct. 16, 1934. Class 40.
Estabrook & Eaton Company, Boston, Mass. Cigars. 320,399; Dec. 25; Serial No. 355,799; published Oct. 16, 1934. Class 17.
Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Metallic pens. 12,227–8; renewed May 12, 1935.
Eureka Rubbing Stone Company, to James H. Rhodes & Company, Chicago, Ill., successor. Rubbing stone. 101,094; renewed Nov. 10, 1934.
Europa Sales Corporation, New York, N. Y. Toffee. 320,439; Dec. 25. Class 46.
Felters Company, The, Boston, Mass. Weather-strip felt. 320,418; Dec. 25; Serial No. 355,435; published Oct. 16, 1934. Class 12.
Finch, Joseph S., & Company, Schenley, Pa. Whiskey, gin, rum, etc. 320,389; Dec. 25; Serial No. 356,185; published Oct. 23, 1934. Class 49.
Fischer, Robert J., assignor to Athens Hosiery Mills, Athens, Tenn. Hosiery. 44,168; renewed Feb. 14, 1935.
5000° Company, The. (See Marton, O. A.)
Florence Pipe Foundry & Machine Co., Florence, N. J. Cast iron pipes and pipe joint fittings. 320,398; Dec. 25; Serial No. 355,831; published Oct. 16, 1934. Class 13.
Force Food Company, The, New York and Buffalo, assignor to Hecker-H-O Company, Inc., Buffalo, N. Y. Breakfast foods. 44,025; renewed Jan. 24, 1935.
Frankfort Distillery, Inc., The, Louisville, Ky., assignor to Frankfort Distilleries, Incorporated, Whiskey. 320,324; Dec. 25; Serial No. 340,345; published Oct. 24, 1933. Class 49.
Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 320,329; Dec. 25; Serial No. 355,398; published Oct. 16, 1934. Class 47.
Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 320,344; Dec. 25; Serial No. 355,397; published Oct. 16, 1934. Class 47.
Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. 320,387; Dec. 25; Serial No. 356,223; published Oct. 23, 1934. Class 49.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 320,404; Dec. 25; Serial No. 355,731; published Oct. 16, 1934. Class 47.
Fuller, W. P., & Co., San Francisco, Calif. Varnishes. 104,323–4; renewed May 18, 1935.
Fulton Iron Works Company, St. Louis, Mo. Ferrous castings. 320,327; Dec. 25; Serial No. 354,201; published Oct. 16, 1934. Class 14.
Gardner Laboratories, Inc., Chicago, Ill. Urinary antiseptic. 320,341; Dec. 25; Serial No. 339,225; published Aug. 29, 1933. Class 6.
Gartside, Joseph H., to Gartside's Iron Rust Soap Co., Philadelphia, Pa., successor. Cleaning preparation for removing iron rust, ink, etc., from clothing, etc. 101,630; renewed Jan. 5, 1935.
Gassaway, Eugene G., Fort Worth, assignor to Raymond P. Osborn, doing business as East India Medicine Company, Dallas, Tex., successor. Liniment, salve, and blood purifier. 101,281; renewed Nov. 24, 1934.
General Electric Company, Schenectady, N. Y. Dynamo electric machines and parts thereof, electrical induction machines, etc. 320,304; Dec. 25; Serial No. 352,728; published Oct. 16, 1934. Class 21.
General Electric Company, Schenectady, N. Y. Furnaces and parts thereof and air conditioning units. 320,320; Dec. 25; Serial No. 353,982; published Oct. 16, 1934. Class 34.
Gerald Laboratories. (See Lacerre, Gerald M.)
Gilbert & Parker Manufacturing Company, West Springfield, Mass. Electrical device. 320,362; Dec. 25; Serial No. 355,021; published Oct. 16, 1934. Class 26.
Gimbel Brothers, Inc., New York, N. Y. Whiskey. 320,395; Dec. 25; Serial No. 356,108; published Oct. 23, 1934. Class 49.
Goetz, M. K., Brewing Company, St. Joseph, Mo. Malt beverages. 320,422; Dec. 25. Class 48.
Goldenberg, D., Inc., Philadelphia, Pa. Candy. 320,349; Dec. 25; Serial No. 355,259; published Oct. 16, 1934. Class 46.
Goodrich, B. F., Company, The, New York, N. Y. Rubber water bottles, syringes, etc. 320,416; Dec. 25; Serial No. 355,533; published Oct. 16, 1934. Class 44.
Grant Chemical Co., Colfax, La., assignor to The Knox Company, Kansas City, Mo. Preparation for the treatment of kidney disorders. 320,289; Dec. 25; Serial No. 349,575; published May 22, 1934. Class 6.
Grelle, Charles E., Portland, Oreg. Traps. 320,376; Dec. 25; Serial No. 354,726; published Oct. 16, 1934. Class 50.
Gretsch, Fred., Mfg. Co., The, New York, N. Y. Musical-instrument strings. 103,869; renewed Apr. 20, 1935.
Gretsch, Fred., Mfg. Co., The, New York, N. Y. Violin strings, accordions, concertinas, etc. 104,146; renewed May 4, 1935.
Gump, B. F., Co., Chicago, Ill. Coffee mills and parts thereof. 320,359; Dec. 25; Serial No. 355,061; published Oct. 16, 1934. Class 23.
Hamilton, J. T. & A., assignor to J. T. & A. Hamilton Company, Pittsburgh, Pa. Glass bottles. 102,404; renewed Feb. 9, 1935.
Hay & Son, Limited, Sheffield, England. Scotch whiskey. 320,319; Dec. 25; Serial No. 353,026; published Oct. 23, 1934. Class 49.
Hecker-H-O Company, Inc. (See Force Food Company, The, assignor.)
Hommel, Wm. H., doing business as Diamond Wine Co., Sandusky, Ohio. Wine. 320,409; Dec. 25; Serial No. 355,620; published Oct. 16, 1934. Class 47.
Horner Brothers Woolen Mills, Eaton Rapids, Mich. Wool yarn. 320,427; Dec. 25. Class 43.
Horst, E. Clemens, Co., San Francisco, Calif. Hops. 320,406; Dec. 25; Serial No. 355,703; published Oct. 16, 1934. Class 1.
Hounslea, Frances M., New York, N. Y. Greeting cards. 320,384; Dec. 25; Serial No. 354,296; published Oct. 16, 1934. Class 38.
Hunter, John W., Burnsville, N. C. Ointment, oil, balm, etc. 320,361; Dec. 25; Serial No. 353,025; published Oct. 16, 1934. Class 6.
Hurff, Edgar F., Swedesboro, N. J. Canned vegetables, tomato juice, etc. 320,423; Dec. 25. Class 46.
Illinois Seed Co., The, assignor to The Albert Dickinson Company, Chicago, Ill. Field and grass seeds, and seed grain. 102,519; renewed Feb. 9, 1935.
Inderrieden Canning Co., assignor to The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 103,240; renewed Mar. 23, 1935.
Industrie Gesellschaft für Schappe, Basel, Switzerland. Fabrics in the piece. 320,371; Dec. 25; Serial No. 354,848; published Oct. 16, 1934. Class 42.
Industrie Gesellschaft für Schappe, Basel, Switzerland. Fabrics in the piece. 320,372; Dec. 25; Serial No. 354,846; published Oct. 16, 1934. Class 42.
Insulite Company, The, Minneapolis, Minn. Fiber composition board and wall board. 320,408; Dec. 25; Serial No. 355,623; published Oct. 16, 1934. Class 12.
International Pulverizing Corporation, Camden, N. J. Pulverized oxygen salts. 320,316; Dec. 25; Serial No. 353,810; published Oct. 2, 1934. Class 6.
Izumo, H. M., doing business as Southern California Produce Company, Los Angeles, Calif. Fresh vegetables. 320,350; Dec. 25; Serial No. 355,243; published Oct. 16, 1934. Class 46.
Jamieson, C. E., & Co. (See Thompson, F. A., & Company.)
Kelly, Geo. J., Co., Haverhill and Lynn, to Geo. J. Kelly, Inc., Lynn, Mass., successor. Shoe polish. 95,766; renewed Mar. 10, 1934.
Kelly, Geo. J., Co., Haverhill and Lynn, to Geo. J. Kelly, Inc., Lynn, Mass., successor. Shoe polish. 96,302; renewed Apr. 14, 1934.
Kelly, Geo. J., Co., Haverhill and Lynn, to Geo. J. Kelly, Inc., Lynn, Mass., successor. Cleaner or whitener for buck or canvas shoes. 96,303; renewed Apr. 14, 1934.
Kestenman Bros. Mfg. Co., Providence, R. I. Bracelets, clasps, and buckles. 320,436; Dec. 25. Class 28.
Kienzler Distilling Corporation, New York, N. Y. Gin. 320,392–3; Dec. 25; Serial Nos. 356,147–8; published Oct. 23, 1934. Class 49.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 320,414; Dec. 25; Serial No. 355,572; published Oct. 16, 1934. Class 38.
Knox Company, The. (See Grant Chemical Co.)
Kress, S. H., & Co., New York, N. Y. Shoe soles and heels. 320,336; Dec. 25; Serial No. 341,603; published Oct. 16, 1934. Class 39.
Kress, S. H., & Co., New York, N. Y. Bathrobes, buntings, belts, etc. 320,343; Dec. 25; Serial No. 330,264; published Oct. 16, 1934. Class 39.
Lacerre, Gerald M., doing business as Gerald Laboratories, New York, N. Y. Douche powder. 320,313; Dec. 25; Serial No. 353,575; published Oct. 16, 1934. Class 6.
Lanman & Kemp-Barclay & Co., Incorporated. (See Barclay & Barclay, assignor.)
Lebanon Wholesale Grocer Company, assignor to Lebanon Wholesale Grocer Co., Lebanon, Mo. Baking powder, rolled oats, candy, etc. 320,381; Dec. 25; Serial No. 354,334; published Sept. 11, 1934. Class 46.
Lewiston Milling Co., Ltd., to The Vollmer Clearwater Co., Ltd., Lewiston, Idaho, successor. Wheat flour. 102,569; renewed Feb. 16, 1935.
Libenthal Brothers Company, The, doing business as Marlo Products Co., Cleveland, Ohio. Vegetable compound laxative tablets. 320,360; Dec. 25; Serial No. 355,031; published Oct. 16, 1934. Class 6.
Liebmanns, S., Sons Brewing Company, assignor, by mesne assignments, to Liebmann Breweries, Inc., Brooklyn, N. Y. Beer. 101,960; renewed Jan. 19, 1935.
Liebovitz, S., Sons, assignor to S. Liebovitz & Sons, Inc., New York, N. Y. Shirts. 43,726; renewed Nov. 22, 1934.
Liquid Veneer Corporation. (See Buffalo Specialty Company.)
Lorraine Manufacturing Company, Pawtucket, R. I. Men's and boys' clothing. 320,433; Dec. 25. Class 39.
Lurient Food Products, Inc., Atlantic City, N. J., and New York, N. Y. Liquid concentrate of coffee. 320,357; Dec. 25; Serial No. 355,108; published Oct. 16, 1934. Class 46.
M and M Wood Working Company, Portland, Oreg. Plywood. 320,355; Dec. 25; Serial No. 355,132; published Oct. 16, 1934. Class 12.
Madan, Edward K., Arlington, N. J. Backing material in sheet form. 320,302; Dec. 25; Serial No. 352,545; published Oct. 16, 1934. Class 50.
Maison Moët & Chandon Fondee en 1743, Société Anonyme, Epernay, France. Champagne wines. 320,314; Dec. 25; Serial No. 353,612; published Oct. 16, 1934. Class 47.
Maison Moët & Chandon Fondee en 1743, Société Anonyme, Epernay, France. Champagne wines. 320,315; Dec. 25; Serial No. 353,719; published Oct. 16, 1934. Class 47.
Maison Moët & Chandon Fondee en 1743, Société Anonyme, Epernay, France. Champagne wines. 320,317; Dec. 25; Serial No. 353,812; published Oct. 16, 1934. Class 47.
Manhattan Soap Company, New York, N. Y. Toilet soaps. 320,434; Dec. 25. Class 4.
Margerison, W. H. & A. E., & Co., Philadelphia, Pa., assignor to West Point Manufacturing Company, Boston, Mass. Turkish towels, terry cloths, bath rugs, etc. 103,027; renewed Mar. 16, 1935.
Marlo Products Co. (See Liebenthal Brothers Company, The.)
Marton, O. A., doing business as The 5000° Company, Rockford, Ill. Colloidal graphited oil, a lubricating oil. 320,375; Dec. 25; Serial No. 354,764; published Oct. 16, 1934. Class 15.
McGinnis, Edward A., assignor to E. A. McGinnis, Pittsburgh, Pa. Mentholated egg-shampoo cream. 101,075; renewed Nov. 10, 1934.
Medicinal Products Company. (See Brown, George A.)
Michigan Alkali Company, Wyandotte, Mich. Fumigant. 320,380; Dec. 25; Serial No. 354,570; published Oct. 16, 1934. Class 6.
Milani's, Inc., Seattle, Wash. Boneless chicken tamales, chili con carne, chicken broth, etc. 320,438; Dec. 25. Class 46.
Monarch Rubber Co., Inc., The, Baltimore, Md. Rubber heels. 320,301; Dec. 25; Serial No. 352,292; published Oct. 16, 1934. Class 39.
Montebello Distillers, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 320,417; Dec. 25; Serial No. 355,489; published Oct. 9, 1934. Class 49.
Mueller Brass Co., Port Huron, Mich. Metal (commercial) rod. 320,339–40; Dec. 25; Serial Nos. 339,803–4; published Oct. 16, 1934. Class 14.

Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif. Fresh citrus fruits. 320,351–2; Dec. 25; Serial Nos. 355,229–30; published Oct. 16, 1934. Class 46.
Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif. Fresh citrus fruits. 320,353; Dec. 25; Serial No. 355,227; published Oct. 10, 1934. Class 46.
Myer, Henry, Thread Manufacturing Co., Chicago, Ill. Thread and yarn. 103,068; renewed Mar. 16, 1935.
Mystic Wax Company, Medford, Mass. Floor wax polish. 320,428; Dec. 25. Class 16.
Narrow Fabric Company, The, Reading, Pa. Sanitary belts and sanitary undergarments. 320,321; Dec. 25; Serial No. 354,052; published Oct. 16, 1934. Class 44.
National Adhesives Corporation, New York, N. Y. Adhesive gums and pastes. 320,370; Dec. 25; Serial No. 354,855; published Oct. 16, 1934. Class 5.
National Pumps Corporation, Dayton, Ohio. Liquid measuring and dispensing pump. 320,309; Dec. 25; Serial No. 353,140; published Oct. 16, 1934. Class 26.
National Refining Company, The, Cleveland, Ohio. Compound for covering and repairing roofs. 103,247; renewed Mar. 23, 1935.
National Refining Company, The, Cleveland, Ohio. Lubricating oil, gasolene, and axle grease. 103,441; renewed Apr. 6, 1935.
National Refining Company, The, Cleveland, Ohio. Gasolene, kerosene, naphtha, etc. 103,859; renewed Apr. 20, 1935.
National Vulcanized Fibre Co., Wilmington, Del. Spools and bobbins. 320,375; Dec. 25; Serial No. 355,781; published Oct. 16, 1934. Class 2.
Norris, Garland C., & Company, Raleigh, N. C. Canned fruit juices. 320,287; Dec. 25; Serial No. 351,991; published Oct. 16, 1934. Class 46.
Norton Pike Company, Pike, N. H. Abrasives. 320,367–9; Dec. 25; Serial Nos. 354,856–8; published Oct. 16, 1934. Class 4.
Nos-Ease Company. (See D'Orsay, Marcelle.)
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 320,373; Dec. 25; Serial No. 355,411; published Oct. 23, 1934. Class 49.
Oratone Company, The, Buffalo, N. Y. Tooth polishes and remedies for diseases of the gums. 101,084; renewed Nov. 10, 1934.
Osborn, Raymond P. (See Gassaway, Eugene G., assignor.)
Peninsular Stove Company, Detroit, Mich. Gas stoves, furnaces for wood, coal, etc., and parts thereof. 320,356; Dec. 25; Serial No. 355,115; published Oct. 16, 1934. Class 34.
Pennzoil Company, The, Oil City, Pa. Gasoline. 320,397; Dec. 25; Serial No. 355,945; published Oct. 16, 1934. Class 15.
Peters, Jürgen, Hamburg, Germany. Brandy and gin. 320,297; Dec. 25; Serial No. 345,723; published June 19, 1934. Class 49.
Porcela-Radax Company, Pittsburgh, Pa. Preparation for cleaning enameled and porcelain ware. 100,613; renewed Oct. 20, 1934.
Porter, H. W., & Co., Inc., Newark, N. J. Steam conduits. 320,292; Dec. 25; Serial No. 351,932; published Oct. 16, 1934. Class 12.
Quinn, J. W., Drug Company, Inc., Greenwood, Miss. Lotion for the skin. 320,312; Dec. 25; Serial No. 353,484; published Oct. 16, 1934. Class 6.
Randolph Drug Company, Detroit, Mich. Face powders, creams, pore paste, etc. 320,311; Dec. 25; Serial No. 353,236; published Oct. 16, 1934. Class 6.
Reiss, Joseph M., doing business as M. Reiss & Son, Brooklyn, N. Y. Ladies' wearing apparel. 320,429; Dec. 25. Class 39.
Reynolds Metals Company, New York, N. Y. Metallic foil and paper. 320,334; Dec. 25; Serial No. 342,815; published Oct. 16, 1934. Class 12.
Rhodes, James H., & Company. (See Eureka Rubbing Stone Company.)
Riker & Hegeman Co., New York, N. Y., assignor, by mesne assignments, to United Drug Company, Boston, Mass. Medicinal oil. 100,028; renewed Sept. 29, 1934.
Rixen, Carl J., Copenhagen, Denmark. Photographic pictures. 320,335; Dec. 25; Serial No. 341,774; published Oct. 16, 1934. Class 20.
Robey Automotive Engineering Corporation, Boston, Mass. Automatic ignition controls. 320,348; Dec. 25; Serial No. 355,272; published Oct. 16, 1934. Class 21.
Rose Brothers, New York, N. Y. Coats, vests, and trousers. 320,432; Dec. 25. Class 39.
Royal Manufacturing Company of Duquesne. (See Strong & Cobb Company, The, assignor.)
Russell Paint Company. (See Briggs, William R.)
Sakanovsky, H., & Co. Inc., Chicago, Ill. Lambswool interlining cloth. 320,300; Dec. 25; Serial No. 352,280; published Oct. 16, 1934. Class 42.
Salable Cloak Co. Inc., New York, N. Y. Cloaks. 320,318; Dec. 25; Serial No. 353,822; published Oct. 16, 1934. Class 39.
Scharling & Co., Newark, N. J. Articles made of or plated with precious metal. 101,110; renewed Nov. 10, 1934.
Schwartzberg, Percy, doing business as Automatic Table Planing Co., New York, N. Y. Planing cutting tables. 320,419; Dec. 25; Serial No. 355,421; published Oct. 9, 1934. Class 28.
Scott Paper Company, Chester, Pa. Paper towels and toilet tissue. 320,293; Dec. 25; Serial No. 351,938; published Oct. 16, 1934. Class 37.
Silver Swan Liquor Corporation, San Francisco, Calif. Alcoholic cordials. 320,295; Dec. 25; Serial No. 349,035 published Oct. 23, 1934. Class 49.
Sloane-Blabon Corporation. (See Blabon, Geo. W., Company, assignor.)
Società Anonima Fratelli Branca, Milan, Italy. Stomach bitters. 320,331; Dec. 25; Serial No. 343,798; published Oct. 16, 1934. Class 6.
Société Anonyme Etablissements Moyet, Cognac, France. Brandy. 320,377; Dec. 25; Serial No. 354,640; published Oct. 23, 1934. Class 49.
Socony-Vacuum Oil Company, Incorporated. (See Standard Oil Co. of New York.)
Söner, J. Cederlunds, Stockholm, Sweden. Distilled alcoholic punch. 320,332–3; Dec. 25; Serial Nos. 343,011–12; published Oct. 23, 1934. Class 49.
Southern California Produce Company. (See Izumo, H. M.)
Southern Liquor Distributing Corp., Baltimore, Md. Whiskey and gin. 320,386; Dec. 25; Serial No. 356,276; published Oct. 23, 1934. Class 49.
Square D Company. (See Detroit Fuse & Manufacturing Company.)
Standard Brands Incorporated, New York, N. Y. Scientific periodical. 320,413; Dec. 25; Serial No. 355,589; published Oct. 16, 1934. Class 38.
Standard Distillers Products, Inc., Baltimore, Md. Whiskey. 320,412; Dec. 25; Serial No. 355,590; published Oct. 23, 1934. Class 49.
Standard Oil Co. of New York, by changes of name, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refined oil. 101,058; renewed Nov. 10, 1934.
Steelox Company, Chicago, Ill. Metal piling, metal panels, etc. 320,405; Dec. 25; Serial No. 355,715; published Oct. 16, 1934. Class 12.
Stein, Theodore G., Incorporated, Camden, N. J. Rum, whiskey, brandy, etc. 320,394; Dec. 25; Serial No. 356,126; published Oct. 23, 1934. Class 49.
Steiner-Liberty Corporation, Baltimore, Md. Pajamas. 320,366; Dec. 25; Serial No. 354,877; published Oct. 9, 1934. Class 39.
Sterling Products (Incorporated). (See California Fig Syrup Co., assignor.)
Stern, Louis, Company, Providence, R. I. Jewelry. 320,411; Dec. 25; Serial No. 355,591; published Oct. 16, 1934. Class 28.
Strohmeyer & Arpe Company, New York, N. Y. Wine. 320,290; Dec. 25; Serial No. 349,598; published Oct. 16, 1934. Class 47.
Strong & Cobb Company, The, Cleveland, Ohio, assignor to Royal Manufacturing Company of Duquesne, Duquesne, Pa. Preparations for the treatment of diseases and ailments. 102,202; renewed Jan. 26, 1935.
Sun Oil Company, Philadelphia, Pa. Publication. 320,328; Dec. 25; Serial No. 354,216; published Oct. 16, 1934. Class 38.
Taylor and Williams Distilleries, Inc., Louisville, Ky. Whiskey. 320,390; Dec. 25; Serial No. 356,162; published Oct. 23, 1934. Class 49.
Taylor and Williams Distilleries, Inc., Louisville, Ky. Whiskey. 320,391; Dec. 25; Serial No. 356,160; published Oct. 23, 1934. Class 49.
Telling Bell Vernon Co., The, Cleveland, Ohio. Evaporated milk. 320,437; Dec. 25. Class 46.
Thompson, F. A., & Company, by change of name, to C. E. Jamieson & Co., Detroit, Mich. Fumigators and insecticides. 102,549; renewed Feb. 9, 1935.
Union Bag & Paper Corporation, New York, N. Y. Paper or fiber fuel carriers and sacks. 320,425; Dec. 25. Class 2.
United Drug Company. (See Riker & Hegeman Co., assignor.)
United Feature Syndicate, Inc., New York, N. Y. Comic strip. 320,358; Dec. 25; Serial No. 355,081; published Oct. 16, 1934. Class 38.
United States Rubber Company, New York, N. Y. Electrical wire. 320,345; Dec. 25; Serial No. 355,336; published Oct. 16, 1934. Class 21.
United States Technical Products Corporation, New York, N. Y. Transparent waterproofing, floor bonds, etc. 320,338; Dec. 25; Serial No. 340,499; published Oct. 16, 1934. Class 12.
Voelker, Matt, deceased, to Mary A. Voelker, trustee of the trust estate of Matt Voelker, doing business as Baby Rice Popcorn Company (Not Incorporated), Waterloo, Wis., successor. Popcorn. 100,184; renewed Oct. 6, 1934.
Vollmer Clearwater Co., Ltd., The. (See Lewiston Milling Co., Ltd., The.)
Vortex Mfg. Co., The, assignor to Vortex Cup Co., Chicago, Ill. Paper drinking cups for use at soda-water fountains. 103,308; renewed Mar. 30, 1935.
Wahl, Martin C., Inc., El Centro, Calif. Melons. 320,337; Dec. 25; Serial No. 341,106; published Oct. 16, 1934. Class 46.
Waldorf-Astoria Importation Corporation, New York, N. Y. Wine. 320,420; Dec. 25; Serial No. 353,093; published Oct. 16, 1934. Class 47.
Ward, A. B., Los Angeles, Calif. Tooth powder. 320,305; Dec. 25; Serial No. 352,765; published Oct. 16, 1934. Class 6.
Ward, Thomas, Distilling Company, The, Westminster, Md. Gin and whiskey. 320,407; Dec. 25; Serial No. 355,052; published Oct. 9, 1934. Class 49.

Ward, William E., South Orange, N. J. Pancake or waffle flour. 320,330; Dec. 25; Serial No. 344,489; published Feb. 13, 1934. Class 46.
Wayne Paper Box and Printing Corporation, Fort Wayne, Ind. Manicuring machines, apparatus, and devices. 320,308; Dec. 25; Serial No. 352,938; published Oct. 16, 1934. Class 44.
Werk, M., Company, The, St. Bernard, Ohio. Cleaning compound. 320,415; Dec. 25; Serial No. 355,557; published Oct. 16, 1934. Class 4.
Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Sheets, blocks, and forms of molded fibrous material. 320,374; Dec. 25; Serial No. 354,783; published Oct. 16, 1934. Class 1.
West Point Manufacturing Company. (See Margerison, W. H. & A. E., & Co., assignor.)
Whaley Mill & Elevator Co., Gainesville, Tex. Wheat flour. 104,080; renewed Apr. 27, 1935.
Whitin Machine Works, Whitinsville, Mass. Roving and spinning frames. 320,322; Dec. 25; Serial No. 354,062; published Oct. 16, 1934. Class 23.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Lisbon wines. 320,323; Dec. 25; Serial No. 354,143; published Oct. 16, 1934. Class 47.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Lisbon wines. 320,325; Dec. 25; Serial No. 354,144; published Oct. 16, 1934. Class 47.
Witty Bros., New York, N. Y. Men's clothing. 320,424; Dec. 25. Class 39.
Woburn Degreasing Company, Woburn, Mass. Oils and greases. 320,306; Dec. 25; Serial No. 352,807; published Oct. 16, 1934. Class 15.
Wohl Shoe Company, St. Louis, Mo. Shoes, boots, slippers, etc. 320,286; Dec. 25; Serial No. 344,617; published Oct. 16, 1934. Class 39.
Worthington Ball Company, The, Elyria, Ohio. Golf-balls. 101,662–3; renewed Jan. 5, 1935.
Worthington Ball Company, The, Elyria, Ohio. Golf-balls. 101,665–6; renewed Jan. 5, 1935.
Worthington Ball Company, The, Elyria, Ohio. Golf-balls. 102,826–7; renewed Feb. 23, 1935.

LIST OF REGISTRANTS OF LABELS

Abbotts Dairies, Inc., Philadelphia, Pa. Abbotts Deluxe A Milk. For Milk. 44,830; Dec. 25.
Abbotts Dairies, Inc., Philadelphia, Pa. Abbotts Deluxe A Milk Vitamin D Irradiated. For Milk. 44,831; Dec. 25.
Aeroil Burner Company, Inc., West New York, N. J. Fire Gun No. 99. For Weed Burners. 44,832; Dec. 25.
Bazarte, A., jr., Philadelphia, Pa. Bazarte. For Cigars. 44,833; Dec. 25.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Oralgene Chewing Gum. For Chewing Gum. 44,834–5; Dec. 25.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Pepsin Pepsies. For Chewing Gum. 44,836; Dec. 25.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Orange Beechies. For Chewing Gum. 44,837; Dec. 25.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spearmint Beechies. For Chewing Gum. 44,838; Dec. 25.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Cinnamon Beechies. For Chewing Gum. 44,839; Dec. 25.
Campana Corporation, Batavia, Ill. Campana Dreskin, the Original Skin Invigorator and Campana's Italian Balm, the Original Skin Softener. For Skin Lotion. 44,840; Dec. 25.
Claff, M. H., & Sons, Inc., Randolph and Brockton, Mass. The Harrison Shoe. For Shoes. 44,841; Dec. 25.
Claff, M. H., & Sons, Inc., Randolph and Brockton, Mass. Betty Wales Opera Pump De Luxe. For Pumps. 44,842; Dec. 25.
Da Silva, Clemente F., doing business as C. Da Silva, Oporto, Portugal. Rare Old Port. For Port Wine. 44,843; Dec. 25.
Fidelio Brewery, Inc., New York, N. Y. Fidelio East India Pale Ale. For Ale. 44,844; Dec. 25.
La Verne Orange Association, La Verne, Calif. La Verne Heights. For Oranges. 44,845; Dec. 25.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Old Southern Home. For Whiskey. 44,846; Dec. 25.
Park Tissue Mills, Inc., New York and Salisbury Mills, N. Y. Park Lane. For Toilet Tissue. 44,847; Dec. 25.
Patrick, Joseph K., Athens, Ga. Ant-Ex. For Ant Poison. 44,848; Dec. 25.
Polar Treat Ice Cream Co., Buffalo, N. Y. Polar Treat. For Ice Cream. 44,849; Dec. 25.
Roush, Wilbur C., Anderson, Ind. Roush's Bronchial Balm. For Bronchial Balm. 44,850; Dec. 25.
Standard Nut Margarine Company, Indianapolis, Ind. Modern. For Oleomargarine. 44,851; Dec. 25.
Standard Oil Company of Ohio, The, Cleveland, Ohio. Supersohio. For Antifreeze Compound. 44,852; Dec. 25.
United Distributors, Incorporated, Louisville, Ky. Wittone. For Medicinal Preparation. 44,853; Dec. 25.
Wampole, Henry K., & Co., Incorporated, Philadelphia, Pa. Wampole's Preparation. For a Tonic and Stimulant. 44,854; Dec. 25.
Weller, W. L., & Sons, Inc., Louisville, Ky. W. L. Weller & Sons, Incorporated. For Gin. 44,855; Dec. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Hops. E. Clemens Horst Co. 320,406; Dec. 25; Serial No. 355,703; published Oct. 16, 1934.
Seeds and seed grain, Field and grass. Illinois Seed Co. 102,519; renewed Feb. 9, 1935.
Sheets, blocks and forms of molded fibrous material. Westinghouse Electric and Manufacturing Company. 320,374; Dec. 25; Serial No. 354,788; published Oct. 16, 1934.

CLASS 2

Carriers and sacks, Fuel. Union Bag & Paper Corporation. 320,425; Dec. 25.
Cups for use at soda-water fountains, Paper drinking. Vortex Mfg. Co. 103,303; renewed Mar. 30, 1935.
Spools and bobbins. National Vulcanized Fibre Co. 320,385; Dec. 25; Serial No. 355,781; published Oct. 16, 1934.

CLASS 4

Abrasives. Norton Pike Company. 320,367–9; Dec. 25; Serial Nos. 354,856–8; published Oct. 16, 1934.
Cleaner or whitener for buck or canvas shoes. Geo. J. Kelly Co. 96,303; renewed Apr. 14, 1934.
Cleaning compound. M. Werk Company. 320,415; Dec. 25; Serial No. 355,557; published Oct. 16, 1934.
Polish, Shoe. Geo. J. Kelly Co. 95,766; renewed Mar. 10, 1934.
Polish, Shoe. Geo. J. Kelly Co. 96,302; renewed Apr. 14, 1934.
Preparation for cleaning enameled and porcelain ware. Porcela-Radax Company. 100,613; renewed Oct. 20, 1934.
Rubber composition for cleaning purposes. Eberhard Faber Pencil Company. 320,326; Dec. 25; Serial No. 354,198; published Oct. 16, 1934.
Rubbing stone. Eureka Rubbing Stone Company. 101,094; renewed Nov. 10, 1934.
Soaps, Toilet. Manhattan Soap Company. 320,434; Dec. 25.

CLASS 5

Gums and pastes, Adhesive. National Adhesives Corporation. 320,370; Dec. 25; Serial No. 354,855; published Oct. 16, 1934.
Tire fluid. Buffalo Specialty Company. 102,784; renewed Feb. 23, 1935.

CLASS 6

Antiseptic, Urinary. Gardner Laboratories, Inc. 320,341; Dec. 25; Serial No. 339,225; published Aug. 29, 1933.
Bitters, Stomach. Società Anonima Fratelli Branca. 320,331; Dec. 25; Serial No. 343,798; published Oct. 16, 1934.
Cleaning preparation for removing iron rust, ink, etc., from clothing, marble, etc. J. H. Gartside. 101,630; renewed Jan. 5, 1935.
Cough drops. G. A. Brown. 320,288; Dec. 25; Serial No. 352,027; published Oct. 16, 1934.
Fumigant. Michigan Alkali Company. 320,380; Dec. 25; Serial No. 354,570; published Oct. 16, 1934.
Fumigators and insecticides. F. A. Thompson & Company. 102,549; renewed Feb. 9, 1935.
Laxative tablets, Vegetable compound. Liebenthal Brothers Company. 320,360; Dec. 25; Serial No. 355,031; published Oct. 16, 1934.
Liniment, salve, and blood-purifier. E. G. Gassaway. 101,281; renewed Nov. 24, 1934.
Lotion for the skin. J. W. Quinn Drug Company. 320,312; Dec. 25; Serial No. 353,484; published Oct. 16, 1934.
Medicinal oil. Riker & Hegeman Co. 100,028; renewed Sept. 29, 1934.
Medicine. R. P. Carson. 99,691; renewed Sept. 15, 1934.
Medicines, Liquid laxative. California Fig Syrup Co. 104,087; renewed Apr. 27, 1935.
Ointment, oil balm, etc. J. W. Hunter. 320,361; Dec. 25; Serial No. 355,025; published Oct. 16, 1934.

Pharmaceutical preparations and a medicinal preparation. Barclay & Barclay. 103,640; renewed Apr. 13, 1935.
Powder, Douche. G. M. Lacerre. 320,313; Dec. 25; Serial No. 353,575; published Oct. 16, 1934.
Powders, creams, pore paste, etc., Face. Randolph Drug Company. 320,311; Dec. 25; Serial No. 353,236; published Oct. 16, 1934.
Preparation for the treatment of kidney disorders. Grant Chemical Co. 320,289; Dec. 25; Serial No. 349,575; published May 22, 1934.
Preparations for the treatment of diseases and ailments. Strong & Cobb Company. 102,202; renewed Jan. 26, 1935.
Purgative compound, Liquid. California Fig Syrup Company. 12,118; renewed Apr. 14, 1935.
Remedy for nervous disorders. H. A. Bruckner. 103,688; renewed Apr. 13, 1935.
Salts, Pulverized oxygen. International Pulverizing Corporation. 320,316; Dec. 25; Serial No. 353,810; published Oct. 2, 1934.
Shampoo cream, Mentholated egg. E. A. McGinnis. 101,075; renewed Nov. 10, 1934.
Tooth polishes and remedies for diseases of the gums. Oratone Company. 101,084; renewed Nov. 10, 1934.
Tooth powder. A. B. Ward. 320,305; Dec. 25; Serial No. 352,765; published Oct. 16, 1934.

CLASS 12

Asphalt roofing and shingles. Barber Asphalt Company. 320,383; Dec. 25; Serial No. 354,274; published Oct. 16, 1934.
Board and wall board, Fiber composition. Insulite Company. 320,408; Dec. 25; Serial No. 355,623; published Oct. 16, 1934.
Compound for covering and repairing roofs. National Refining Company. 103,247; renewed Mar. 23, 1935.
Conduits, Steam. H. W. Porter & Co. 320,292; Dec. 25; Serial No. 351,932; published Oct. 16, 1934.
Metallic foil and paper. Reynolds Metals Company. 320,334; Dec. 25; Serial No. 342,815; published Oct. 16, 1934.
Piling, panels, frames, etc., Metal. Steelox Company. 320,405; Dec. 25; Serial No. 355,715; published Oct. 16, 1934.
Plywood. M and M Wood Working Company. 320,355; Dec. 25; Serial No. 355,132; published Oct. 16, 1934.
Waterproofing, floor bonds, etc., Transparent. United States Technical Products Corporation. 320,338; Dec. 25; Serial No. 340,499; published Oct. 16, 1934.
Weather-strip felt. Felters Company. 320,418; Dec. 25; Serial No. 355,435; published Oct. 16, 1934.

CLASS 13

Hardware and plumbing supplies. American Hardware Corporation. 104,138–9; renewed May 4, 1935.
Hardware supplies. American Hardware Corporation. 104,281; renewed May 18, 1935.
Pans, sauce pans and pots, etc., Aluminum fry. Aluminum Goods Mfg. Co. 320,298; Dec. 25; Serial No. 352,217; published Oct. 16, 1934.
Pipes and pipe joint fittings, Cast iron. Florence Pipe Foundry & Machine Co. 320,398; Dec. 25; Serial No. 355,831; published Oct. 16, 1934.

CLASS 14

Castings, Ferrous. Fulton Iron Works Company. 320,327; Dec. 25; Serial No. 354,201; published Oct. 16, 1934.
Metal rod. Mueller Brass Co. 320,339–40; Dec. 25; Serial Nos. 339,803–4; published Oct. 16, 1934.

CLASS 15

Gasolene, kerosene, naphtha, etc. National Refining Company. 103,859; renewed Apr. 20, 1935.
Gasoline. Pennzoil Company. 320,397; Dec. 25; Serial No. 355,945; published Oct. 16, 1934.
Oil, a lubricating oil, Colloidal graphited. O. A. Marton. 320,375; Dec. 25; Serial No. 354,704; published Oct. 16, 1934.
Oil, gasolene, and axle-grease, Lubricating. National Refining Company. 103,441; renewed Apr. 6, 1935.
Oil, Refined. Standard Oil Co. of New York. 101,058; renewed Nov. 10, 1934.
Oils, greases, naphtha, etc. Woburn Degreasing Company. 320,306; Dec. 25; Serial No. 352,807; published Oct. 16, 1934.

CLASS 16

Paints, varnishes, and stains. W. R. Briggs. 320,403; Dec. 25; Serial No. 355,755; published Oct. 16, 1934.
Polish, Floor wax. Mystic Wax Company. 320,428; Dec. 25.
Varnishes. Berry Brothers. 103,552; renewed Apr. 6, 1935.
Varnishes. Berry Brothers. 104,196; renewed May 11, 1935.
Varnishes. Commonwealth Varnish Co. 104,090; renewed Apr. 27, 1935.
Varnishes. W. P. Fuller & Co. 104,323–4; renewed May 18, 1935.

CLASS 17

Cigars. Estabrook & Eaton Company. 320,399; Dec. 25; Serial No. 355,799; published Oct. 16, 1934.

CLASS 20

Linoleum floor-cloth. Geo. W. Blabon Company. 101,358; renewed Dec. 8, 1934.

CLASS 21

Electric machines and parts thereof, electrical induction machines, etc., Dynamo. General Electric Company. 320,304; Dec. 25; Serial No. 352,728; published Oct. 16, 1934.
Electric vacuum cleaners and parts thereof. Electric Vacuum Cleaner Company. 320,410; Dec. 25; Serial No. 355,613; published Oct. 16, 1934.
Electrical wire. United States Rubber Company. 320,345; Dec. 25; Serial No. 355,336; published Oct. 16, 1934.
Fuses, switches, clips, etc. Detroit Fuse & Manufacturing Company. 103,050; renewed Mar. 16, 1935.
Ignition controls, Automatic. Roble Automotive Engineering Corporation. 320,348; Dec. 25; Serial No. 355,272; published Oct. 16, 1934.

CLASS 22

Balls, Golf. Worthington Ball Company. 101,662–3; renewed Jan. 5, 1935.
Balls, Golf. Worthington Ball Company. 101,665–6; renewed Jan. 5, 1935.
Balls, Golf. Worthington Ball Company. 102,826–7; renewed Feb. 23, 1935.
Toys and favors. George Borgfeldt & Co. 102,669; renewed Feb. 23, 1935.

CLASS 23

Coffee mills and parts thereof. B. F. Gump Co. 320,359; Dec. 25; Serial No. 355,061; published Oct. 16, 1934.
Planing cutting tables. P. Schwartzberg. 320,419; Dec. 25; Serial No. 355,421; published Oct. 9, 1934.
Printers' rubber rolls. Dayton Rubber Manufacturing Company. 320,299; Dec. 25; Serial No. 352,226; published Oct. 16, 1934.
Roving and spinning frames. Whitin Machine Works. 320,322; Dec. 25; Serial No. 354,062; published Oct. 16, 1934.
Utensils, Kitchen. Chicago Flexible Shaft Company. 320,296; Dec. 25; Serial No. 349,400; published May 22, 1934.

CLASS 26

Calculating device. R. D. Britigan. 320,365; Dec. 25; Serial No. 354,888; published Oct. 16, 1934.
Cushions for spectacle frames. M. D'Orsay. 320,421; Dec. 25.
Electrical device for testing lubricating oils. Gilbert & Barker Manufacturing Company. 320,362; Dec. 25; Serial No. 355,021; published Oct. 16, 1934.
Force resistance systems embodied in force measuring machines. John Chatillon & Sons. 320,310; Dec. 25; Serial No. 353,210; published Oct. 16, 1934.
Lenses, prisms, spectacle frames, etc., Ophthalmic. Buhl Optical Company. 320,342; Dec. 25; Serial No. 337,407; published Oct. 16, 1934.
Measuring and dispensing, Liquid. National Pumps Corporation. 320,309; Dec. 25; Serial No. 353,140; published Oct. 16, 1934.
Photographic pictures. C. J. Rixen. 320,335; Dec. 25; Serial No. 341,774; published Oct. 16, 1934.

CLASS 28

Articles made of or plated with precious metal. Scharling & Co. 101,110; renewed Nov. 10, 1934.
Bracelets, clasps, and buckles. Kestenman Bros. Mfg. Co. 320,436; Dec. 25.
Jewelry. Louis Stern Company. 320,411; Dec. 25; Serial No. 355,591; published Oct. 16, 1934.

CLASS 32

Furniture and upholstery. Daimler-Motoren-Gesellschaft. 101,774; renewed Jan. 12, 1935.
Mattresses and bed springs. Barker Bros. Incorporated. 320,435; Dec. 25.

CLASS 33

Bottles, Glass. J. T. & A. Hamilton. 102,404; renewed Feb. 9, 1935.

CLASS 34

Furnaces and parts thereof and air conditioning units. General Electric Company. 320,320; Dec. 25; Serial No. 353,982; published Oct. 16, 1934.
Stoves, furnaces for wood, coal, etc., and parts thereof, Gas. Peninsular Stove Company. 320,356; Dec. 25; Serial No. 355,115; published Oct. 16, 1934.

CLASS 36

Musical-instrument strings. Fred. Gretsch Mfg. Co. 103,869; renewed Apr. 20, 1935.
Violin strings, accordions, concertinas, etc. Fred. Gretsch Mfg. Co. 104,146; renewed May 4, 1935.

CLASS 37

Paper towels and toilet tissue. Scott Paper Company. 320,293; Dec. 25; Serial No. 351,938; published Oct. 16, 1934.
Pens, Metallic. Esterbrook Steel Pen Manufacturing Company. 12,227–8; renewed May 12, 1935.

CLASS 38

Cards, Greeting. F. M. Hounslea. 320,384; Dec. 25; Serial No. 354,296; published Oct. 16, 1934.
Cartoons. King Features Syndicate, Inc. 320,414; Dec. 25; Serial No. 355,572; published Oct. 16, 1934.
Comic strip. United Feature Syndicate, Inc. 320,358; Dec. 25; Serial No. 355,081; published Oct. 16, 1934.
Periodical. Brides House, Inc. 320,307; Dec. 25; Serial No. 352,810; published Oct. 16, 1934.
Periodical, Scientific. Standard Brands Incorporated. 320,413; Dec. 25; Serial No. 355,589; published Oct. 16, 1934.
Prints, Photographic. Eastman Kodak Company. 320,346–7; Dec. 25; Serial Nos. 355,302–3; published Oct. 16, 1934.
Publication. Sun Oil Company. 320,328; Dec. 25; Serial No. 354,216; published Oct. 16, 1934.

CLASS 39

Apparel, Ladies' wearing. J. M. Reiss. 320,429; Dec. 25.
Bathrobes, buntings, belts, etc. S. H. Kress & Co. 320,343; Dec. 25; Serial No. 330,204; published Oct. 16, 1934.
Cloaks. Salable Cloak Co. Inc. 320,318; Dec. 25; Serial No. 353,822; published Oct. 16, 1934.
Clothing, Men's. Briede & Rogovsky. 104,166; renewed May 4, 1935.
Clothing, Men's. Witty Bros. 320,424; Dec. 25.
Clothing, Men's and boys'. Lorraine Manufacturing Company. 320,433; Dec. 25.
Coats, vests, and trousers. Rose Brothers. 320,432; Dec. 25.
Heels, Rubber. Monarch Rubber Co. 320,301; Dec. 25; Serial No. 352,292; published Oct. 16, 1934.
Hosiery. R. J. Fischer. 44,168; renewed Feb. 14, 1935.
Pajamas. Steiner-Liberty Corporation. 320,366; Dec. 25; Serial No. 354,877; published Oct. 9, 1934.
Shirts. S. Liebovitz Sons. 43,726; renewed Nov. 22, 1934.
Shoe soles and heels. S. H. Kress & Co. 320,336; Dec. 25; Serial No. 341,603; published Oct. 16, 1934.
Shoes. Chicago Mail Order Company. 320,440; Dec. 25.
Shoes, boots, slippers, etc. Wohl Shoe Company. 320,286; Dec. 25; Serial No. 344,617; published Oct. 16, 1934.
Union suits. Augusta Knitting Corporation. 320,426; Dec. 25.

CLASS 40

Needles. English Needle & Fishing Tackle Company Incorporated. 320,291; Dec. 25; Serial No. 349,713; published Oct. 16, 1934.
Shoulder straps. American Fabrics Company. 320,379; Dec. 25; Serial No. 354,593; published Oct. 16, 1934.

CLASS 42

Fabrics in the piece. Industrie Gesellschaft für Schappe. 320,371; Dec. 25; Serial No. 354,848; published Oct. 16, 1934.
Fabrics in the piece. Industrie Gesellschaft für Schappe. 320,372; Dec. 25; Serial No. 354,846; published Oct. 16, 1934.
Lambswool interlining cloth. H. Sakanovsky & Co. Inc. 320,300; Dec. 25; Serial No. 352,280; published Oct. 16, 1934.
Towels, terry cloths, bath rugs, etc., Turkish. W. H. & A. E. Margerison & Co. 103,027; renewed Mar. 16, 1935.

CLASS 43

Thread and yarn. Henry Myer Thread Manufacturing Co. 103,068; renewed Mar. 16, 1935.
Yarn, Wool. Horner Brothers Woolen Mills. 320,427; Dec. 25.

CLASS 44

Dental investment composition. Columbus Dental Manufacturing Co. 320,364; Dec. 25; Serial No. 354,923; published Oct. 16, 1934.
Dental plates, Nonmetallic. Dohat Laboratories. 320,431; Dec. 25.
Manicuring machines, apparatus, and devices. Wayne Paper Box and Printing Corporation. 320,308; Dec. 25; Serial No. 352,938; published Oct. 16, 1934.
Sanitary belts and undergarments. Narrow Fabric Company. 320,321; Dec. 25; Serial No. 354,052; published Oct. 16, 1934.
Staining composition for porcelain bodies, particularly artificial teeth. Columbus dental Manufacturing Co. 320,363; Dec. 25; Serial No. 354,924; published Oct. 16, 1934.
Water bottles, syringes, etc., Rubber. B. F. Goodrich Company. 320,416; Dec. 25; Serial No. 355,533; published Oct. 16, 1934.

CLASS 46

Baking powder, rolled oats, candy, etc. Lebanon Wholesale Grocer Company. 320,381; Dec. 25; Serial No. 354,334; published Sept. 11, 1934.
Candies, Package. C. S. Conrad. 320,382; Dec. 25; Serial No. 354,460; published Oct. 16, 1934.
Candy. D. Goldenberg, Inc. 320,349; Dec. 25; Serial No. 355,259; published Oct. 16, 1934.
Canned fruit juices. Garland C. Norris & Company. 320,287; Dec. 25; Serial No. 351,991; published Oct. 16, 1934.
Canned fruits. Barron-Gray Packing Company. 320,430; Dec. 25.
Canned fruits, canned vegetables, etc. California Packing Corporation. 320,354; Dec. 25; Serial No. 355,162; published Oct. 16, 1934.
Canned vegetables. Inderrieden Canning Co. 103,240; renewed Mar. 23, 1935.
Canned vegetables, tomato juice, etc. E. F. Hurff. 320,423; Dec. 25.
Chicken tamales, chili con carne, chicken broth, etc., Boneless. Milani's, Inc. 320,438; Dec. 25.
Coffee, Liquid concentrate of. Lurient Food Products. 320,357; Dec. 25; Serial No. 355,108; published Oct. 16, 1934.
Feed for livestock and poultry. Eastern States Farmers' Exchange. 320,294; Dec. 25; Serial No. 346,155; published Oct. 16, 1934.
Flour and corn meal, Wheat. Beaver Valley Milling Company. 100,750; renewed Oct. 27, 1934.
Flour, Pancake or waffle. W. E. Ward. 320,330; Dec. 25; Serial No. 344,489; published Feb. 13, 1934.
Flour, Wheat. Lewiston Milling Co., Ltd. 102,569; renewed Feb. 16, 1934.
Flour, Wheat. Whaley Mill & Elevator Co. 104,080; renewed Apr. 27, 1935.
Foods, Breakfast. Force Food Company. 44,025; renewed Jan. 24, 1935.
Fruits, Fresh citrus. Murphy Oil Company. 320,351–2; Dec. 25; Serial Nos. 355,229–30; published Oct. 16, 1934.
Fruits, Fresh citrus. Murphy Oil Company. 320,353; Dec. 25; Serial No. 355,227; published Oct. 16, 1934.
Melons. M. C. Wahl. 320,337; Dec. 25; Serial No. 341,106; published Oct. 16, 1934.
Milk, Evaporated. Telling Belle Vernon Co. 320,437; Dec. 25.
Pop corn. M. Voelker. 100,184; renewed Oct. 6, 1934.
Toffee. Europa Sales Corporation. 320,439; Dec. 25.
Vegetables, Fresh. H. M. Izumo. 320,350; Dec. 25; Serial No. 355,243; published Oct. 16, 1934.

CLASS 47

Wine. W. H. Hommel. 320,409; Dec. 25; Serial No. 355,620; published Oct. 16, 1934.
Wine. Strohmeyer & Arpe Company. 320,290; Dec. 25; Serial No. 349,598; published Oct. 16, 1934.
Wine. Waldorf-Astoria Importation Corporation. 320,420; Dec. 25; Serial No. 353,093; published Oct. 16, 1934.
Wine, Sherry. Bellows & Company. 320,400–2; Dec. 25; Serial Nos. 355,789–91; published Oct. 16, 1934.
Wines. Cannizzaro Wine Co. Inc. 320,303; Dec. 25; Serial No. 352,713; published Oct. 16, 1934.
Wines. Fruit Industries, Ltd. 320,329; Dec. 25; Serial No. 355,398; published Oct. 16, 1934.
Wines. Fruit Industries, Ltd. 320,344; Dec. 25; Serial No. 355,397; published Oct. 16, 1934.
Wines. Fruit Industries, Ltd. 320,404; Dec. 25; Serial No. 355,731; published Oct. 16, 1934.
Wines, Champagne. Maison Moët & Chandon Fondee en 1743, Société Anonyme. 320,314; Dec. 25; Serial No. 353,612; published Oct. 16, 1934.
Wines, Champagne. Maison Moët & Chandon Fondee en 1743, Société Anonyme. 320,315; Dec. 25; Serial No. 353,719; published Oct. 16, 1934.
Wines, Champagne. Maison Moët & Chandon Fondee en 1743, Société Anonyme. 320,317; Dec. 25; Serial No. 353,812; published Oct. 16, 1934.
Wines, Lisbon. Julius Wile, Sons & Co. 320,323; Dec. 25; Serial No. 354,143; published Oct. 16, 1934.
Wines, Lisbon. Julius Wile, Sons & Co. 320,325; Dec. 25; Serial No. 354,144; published Oct. 16, 1934.

CLASS 48

Beer. Bartels Brewing Company. 102,025; renewed Jan. 26, 1935.
Beer. S. Liebmann's Sons Brewing Company. 101,960; renewed Jan. 19, 1935.
Malt beverages. M. K. Goetz Brewing Company. 320,422; Dec. 25.

CLASS 49

Brandy. Fruit Industries, Ltd. 320,387; Dec. 25; Serial No. 356,223; published Oct. 23, 1934.
Brandy. Société Anonyme Etablissements Moyet. 320,377; Dec. 25; Serial No. 354,640; published Oct. 23, 1934.
Brandy and gin. J. Peters. 320,297; Dec. 25; Serial No. 345,723; published June 19, 1934.
Cordials, Alcoholic. Silver Swan Liquor Corporation. 320,295; Dec. 25; Serial No. 349,035; published Oct. 23, 1934.
Cordials, whiskies, gins, etc. George Benz Sons, Inc. 320,396; Dec. 25; Serial No. 356,099; published Oct. 23, 1934.
Gin. Kienzler Distilling Corporation. 320,392–3; Dec. 25; Serial Nos. 356,147–8; published Oct. 23, 1934.
Gin and whiskey. Thomas Ward Distilling Company. 320,407; Dec. 25; Serial No. 355,652; published Oct. 9, 1934.
Punch, Distilled alcoholic. J. C. Söner. 320,332–3; Dec. 25; Serial Nos. 343,011–12; published Oct. 23, 1934.
Rum, whiskey, brandy, etc. Theodore G. Stein, Incorporated. 320,394; Dec. 25; Serial No. 356,126; published Oct. 23, 1934.

Whiskey. American Medicinal Spirits Company. 320,388; Dec. 25; Serial No. 356,210; published Oct. 23, 1934.
Whiskey. Frankfort Distillery, Inc. 320,324; Dec. 25; Serial No. 340,345; published Oct. 24, 1933.
Whiskey. Gimbel Brothers, Inc. 320,395; Dec. 25; Serial No. 356,108; published Oct. 23, 1934.
Whiskey. Standard Distillers Products, Inc. 320,412; Dec. 25; Serial No. 355,590; published Oct. 23, 1934.
Whiskey. Taylor and Williams Distilleries, Inc. 320,390; Dec. 25; Serial No. 356,162; published Oct. 23, 1934.
Whiskey. Taylor and Williams Distilleries, Inc. 320,391; Dec. 25; Serial No. 356,160; published Oct. 23, 1934.
Whiskey and gin. Southern Liquor Distributing Corp. 320,386; Dec. 25; Serial No. 356,276; published Oct. 23, 1934.
Whiskey, gin, brandy, etc. Montebello Distillers, Incorporated. 320,417; Dec. 25; Serial No. 355,489; published Oct. 9, 1934.
Whiskey, gin, rum, etc. William Edward Berard and Theresa Isabel Berard. 320,378; Dec. 25; Serial No. 354,594; published Oct. 23, 1934.
Whiskey, gin, rum, etc. Joseph S. Finch & Company. 320,389; Dec. 25; Serial No. 356,185; published Oct. 23, 1934.
Whiskey, gin, rum, etc. Old Quaker Company. 320,373; Dec. 25; Serial No. 355,411; published Oct. 23, 1934.
Whiskey, Scotch. Hay & Son, Limited. 320,310; Dec. 25; Serial No. 353,926; published Oct. 23, 1934.

CLASS 50

Backing material in sheet form. E. K. Madan. 320,802; Dec. 25; Serial No. 352,545; published Oct. 16, 1934.
Traps, Mole and gopher. C. E. Grelle. 320,376; Dec. 25; Serial No. 354,726; published Oct. 16, 1934.

LIST OF LABELS

Abbotts Deluxe A Milk. For Milk. Abbotts Dairies, Inc. 44,830; Dec. 25.
Abbotts Deluxe A Milk Vitamin D Irradiated. For Milk. Abbotts Dairies, Inc. 44,831; Dec. 25.
Ant-Ex. For Ant Poison. J. K. Patrick. 44,848; Dec. 25.
Bazarte. For cigars. A. Bazarte, jr. 44,833; Dec. 25.
Beech-Nut Cinnamon Beechies. For Chewing Gum. Beech-Nut Packing Company. 44,839; Dec. 25.
Beech-Nut Oralgene Chewing Gum. For Chewing Gum. Beech-Nut Packing Company. 44,834–5; Dec. 25.
Beech-Nut Orange Beechies. For Chewing Gum. Beech-Nut Packing Company. 44,837; Dec. 25.
Beech-Nut Pepsin Pepsies. For Chewing Gum. Beech-Nut Packing Company. 44,836; Dec. 25.
Beech-Nut Spearmint Beechies. For Chewing Gum. Beech-Nut Packing Company. 44,838; Dec. 25.
Betty Wales Opera Pump De Luxe. For Pumps. M. B. Claff & Sons, Inc. 44,842; Dec. 25.
Campana Dreskin, The Original Skin Invigorator and Campana's Italian Balm, the Original Skin Softener. For Skin Lotion. Campana Corporation. 44,840; Dec. 25.
Fidelio East India Pale Ale. For Ale. Fidelio Brewery Inc. 44,844; Dec. 25.
Fire Gun No. 99. For Weed Burners. Aeroil Burner Company. 44,832; Dec. 25.
La Verne Heights. For Oranges. La Verne Orange Association. 44,845; Dec. 25.
Modern. For Oleomargarine. Standard Nut Margarine Company. 44,851; Dec. 25.
Old Southern Home. For Whiskey. McKesson & Dobbins, Incorporated. 44,846; Dec. 25.
Park Lane. For Toilet Tissue. Park Tissue Mills, Inc. 44,847; Dec. 25.
Polar Treat. For Ice Cream. Polar Treat Ice Cream Co. 44,849; Dec. 25.
Rare Old Port. For Port Wine. C. F. Da Silva. 44,843; Dec. 25.
Roush's Bronchial Balm. For Bronchial Balm. W. C. Roush. 44,850; Dec. 25.
Supersohio. For Antifreeze Compound. Standard Oil Company of Ohio. 44,852; Dec. 25.
The Harrison Shoe. For Shoes. M. B. Claff & Sons, Inc. 44,841; Dec. 25.
W. L. Weller & Sons, Incorporated. For Gin. W. L. Weller & Sons, Inc. 44,855; Dec. 25.
Wampole's Preparation. For a Tonic and Stimulant. Henry K. Wampole & Co., Incorporated. 44,854; Dec. 25.
Wittone. For Medicinal Preparation. United Distributors, Incorporated. 44,853; Dec. 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abramsen, Petter B., Dormont, Pa. Tube clamping and carrying device. 1,985,757; Dec. 25.
Accounting & Tabulating Corporation of Gt. Britain, Limited, The. (See Thomas, A., and English, assignors.)
Acito, Joseph. (See Timen, P., and Acito.)
Adams, Frederick J., Philadelphia, Pa. Bolt lock. 1,985,272; Dec. 25.
Adams, Leland R., assignor to The Firestone Steel Products Company, Akron, Ohio. Valve stem testing apparatus. 1,985,673; Dec. 25.
Adartcraft, Incorporated. (See Shaw, Louis E., assignor.)
Aerol Engine Corporation. (See Hehr, Frederick G., assignor.)
Aichner, Franz. (See Meerwein, H., Ulffers, Erbe, Aichner, and Klaphake.)
Air Preheater Corporation. (See Yerrick, William D., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Faber, Paul, assignor.)
Alexander, James H., Staunton, Ill. Protector for lunch buckets. 1,985,558; Dec. 25.
Allard, Pierre J. M. T., Ste. Adresse, assignor to Societe Francaise de Construction de Bennes Automatiques, Le Havre, France. Apparatus for the boring of wells, or shafts, and for like operations. 1,985,710; Dec. 25.
Allen, Claud M., East Akron, Ohio. Cabinet structure. 1,985,593; Dec. 25.
Allen, George W., Boston, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Vacuum cleaner. 1,985,849; Dec. 25.
Allen, Morris C., Chicago, Ill., assignor to Sullivan Machinery Company. Drilling apparatus. 1,985,229; Dec. 25.
Allis-Chalmers Manufacturing Company. (See Dahms, A. A., and Knudsen, assignors.)
Allis-Chalmers Manufacturing Company. (See Marti, Othmar K., assignor.)
Alloy Products Corp. (See Wachowitz, Walter J., assignor.)
Altorfer, Alpheus W., Peoria, Ill. Driving and clutch mechanism for washing machines. 1,985,273; Dec. 25.
Amato, Frank. (See Groener, Samuel, assignor.)
American Decalcomania Co. (See Lawrence, Jay B., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company. (See Michel, René, assignor.)
American Rubber Products Corporation. (See O'Hare, John J., assignor.)
American Sales Book Company, Limited. (See Hagemann, Louis F., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Henneberger, Thomas C., assignor.)
American Telephone and Telegraph Company. (See Rhodes, Harold A., assignor.)
Anderson, David L. (See Wight, E. H., Anderson, and Watmough.)
Anderson, James Z., Brookfield, Ill. Circulation equalizer for furnace flues. 1,985,559; Dec. 25.
Anderson, John, New York, N. Y. Clutch operating mechanism. 1,985,394; Dec. 25.
Anderson, John, New York, N. Y. Brush control for motor commutators. 1,985,395; Dec. 25.
Anderson, Roy F., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile door handle construction. 1,985,223; Dec. 25.
Andrasik, Joseph, and J. Skulavik, Denver, Colo. Ash pit protector. 1,985,224; Dec. 25.
Angeli, Guglielmo, New York, N. Y. Sign. 1,985,532; Dec. 25.
Ansonia Bootery, Inc. (See Epstein, Samuel, assignor.)
Anthony Company. (See Anthony, W. C., and Wachter, assignors.)
Anthony, William C., and L. Wachter, assignors to Anthony Company, Streator, Ill. Hoist control. 1,985,361; Dec. 25.
Archea, Walter D., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,985,225; Dec. 25.
Archer Rubber Company. (See Field, Samuel B., assignor.)
Arlington Mills. (See Arragg, George M., assignor.)
Arnold, Ross H. (See Jauch, R. J., and Arnold.)
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pyrophoric lighting mechanism. 1,985,274; Dec. 25.
Arragg, George M., assignor to Arlington Mills, Lawrence, Mass. Feeler. 1,985,396; Dec. 25.

Arrow Distilleries, Inc. (See Marcus, Julius, assignor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Asplund, August, San Francisco, Calif. Pan lifter. 1,985,811; Dec. 25.
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Auer, László, Manchester, England, assignor to J. R. Newman, Washington, D. C., as trustee. Manufacture of modified oil products from fatty oils. 1,985,230; Dec. 25.
Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C., a trustee. Manufacture of vulcanized heat-bodied fatty oils. 1,985,231; Dec. 25.
Autogiro Company of America. (See De la Cierva, Juan, assignor.)
Ayers, Augustine R., and G. S. Vail, Cleveland, Ohio. Tender frame structure. 1,985,711; Dec. 25.
Babcock & Wilcox Company, The. (See Parker, Alfred E., assignor.)
Baccellieri, Ralph, Philadelphia, Pa. Noodle machine. 1,985,275; Dec. 25.
Bäckström, Sigurd M. (See Persson, N., and Bäckström.)
Baden, Henry, Cape Girardeau, Mo. Drain cleaner. 1,985,813; Dec. 25.
Baer, Albert M., New York, N. Y. Paring knife or similar article. Des. 94,107; Dec. 25.
Baernstein, Malvin A. (See Culling, C. R., and Baernstein.)
Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
Bakelite Gesellschaft mit beschrankter Haftung. (See Seebach, Fritz, assignor.)
Baker, Leslie E. (See Mellroy, R. B., and Baker.)
Baldwin Rubber Company. (See Clark, Samuel C., assignor.)
Ball, Donald A. (See Quick, C. G., Ball, and Whitehead.)
Ball, Frederick O. and T. M., Detroit, Mich. Carburetor. 1,985,712; Dec. 25.
Ball, Thomas M. (See Ball, Frederick O. and T. M.)
Banas, Joseph J., Niagara Falls, N. Y. Hydraulic brake. 1,985,812; Dec. 25.
Bancroft, Albert F., Newton, assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,108; Dec. 25.
Bancroft Walker Co. (See Bancroft, Albert F., assignor.)
Banks, Harry P. (See Davidson, G., Cone, Laucks, and Banks.)
Barratt, Joseph, Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button. 1,985,758; Dec. 25.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,985,594; Dec. 25.
Barry-Wehmiller Machinery Company. (See Herold, J. L., and Dawson, assignors.)
Bartlett, James C., Baltimore, Md. Carbon monoxide eliminator. 1,985,713; Dec. 25.
Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,985,397; Dec. 25.
Bauer, John L. F., Crookston, Minn. Weeder. 1,985,674; Dec. 25.
Baumgartner, Fred, Chicago, Ill. Tire inflating valve and gauge. 1,985,759; Dec. 25.
Bausch & Lomb Optical Company. (See Hommel, George L., assignor.)
Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Spool and its manufacture. 1,985,760; Dec. 25.
Beach, Frederick A., Metuchen, N. J., assignor to J. Rubenstein, Brooklyn, N. Y. Printing mechanism. 1,985,226; Dec. 25.
Beard, Earl E., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 1-nitro-anthraquinone-6-carboxylic acid and carbonyl halides thereof. 1,985,232; Dec. 25.
Beardsley, Bruce, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Drag conveyer. 1,985,850; Dec. 25.
Beardsley, Edwin W., Texas City, Tex., and A. P. Sachs, assignors to Petroleum Conversion Corporation, New York, N. Y. Process and apparatus for converting hydrocarbon oils. 1,985,233; Dec. 25.
Beardsley, Edwin W., and M. W. Colony, Los Angeles, Calif., assignors to Petroleum Conversion Corporation, New York, N. Y. Valve. 1,985,234; Dec. 25.
Beckman, Frank J. (See Perkins, A. J., and Beckman.)
Beckman, Richard, New York, N. Y. Explosive motor. 1,985,595; Dec. 25.
Beech-Nut Packing Company. (See Kneaskern, Albert, assignor.)
Beitman, Albert B., Cleveland, Ohio. Windshield for automobiles. 1,985,560; Dec. 25.

Bell, Ivan M., assignor of one-half to W. H. Westover, Yuma, Ariz. Jar cover holder. 1,985,437; Dec. 25.
Bell Telephone Laboratories, Incorporated. (See Erickson, John R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bellah, William H., Los Angeles, Calif. Game apparatus. 1,985,736; Dec. 25.
Bendix Aviation Corporation. (See Smith, Marshall A., assignor.)
Bendix Brake Company. (See McDonald, Eugene G., assignor.)
Bendix Brake Company. (See Taylor, Eugene V., assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Norton, Raymond J., assignor.)
Bendix Research Corporation. (See Rosner, Adolph, assignor.)
Bendix Stromberg Carburetor Company. (See Prentiss, Augustin M., assignor.)
Benenati, Frank, Brooklyn, N. Y., assignor to Samuels Shoe Company, St. Louis, Mo. Shoe or article of analogous nature. Des. 94,109; Dec. 25.
Benenati, Frank, Brooklyn, N. Y., assignor to Samuels Shoe Company, St. Louis, Mo. Shoe or article of analogous nature. Des. 94,110; Dec. 25.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Spindle and king pin gauge. 1,985,306; Dec. 25.
Benroth, Julius S., Phoenix, assignor of one-fourth to M. E. Kimsey, Scottsdale, one-fourth to T. J. Tunney, Phoenix, Ariz., and one-fourth to J. A. Saunders, Washington, D. C. Gauge stick wiper. 1,985,334; Dec. 25.
Beplate, Viktor. (See Rathgeber, F., Schulz, Beplate, and Ruesch.)
Berlin-Karlsruher Industrie-Werke A. G. (See Lampart, Hugo, assignor.)
Bernardi, John, Jamaica Plain, Mass. Golf putter head. Des. 94,111; Dec. 25.
Berthon, Rodolphe, Neuilly, France., assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Illuminating device for goffered films. 1,985,398; Dec. 25.
Bethel, Maywood, Hext, Tex. Cotton baling machine. 1,985,438; Dec. 25.
Bird, Whitworth F., Springfield, Pa. Making frieze fabrics. 1,985,761; Dec. 25.
Birdsall, Edward. (See McCarroll, Sidney J., assignor.)
Bishop-Babcock Sales Company, The. (See Bondurant, Carlton W., assignor.)
Bizzell, Carey K. (See Bizzell, James E. and C. K.)
Bizzell, James E., Newark, and C. K. Bizzell, Elizabeth, N. J. Preparation of Brazil nuts for shelling. 1,985,235; Dec. 25.
Blackadder, Thomas, St. Davids, assignor to Röhm & Haas Company, Philadelphia, Pa. Chrome tanning of leather. 1,985,439; Dec. 25.
Bland, Reginald, Pasadena, Calif. Automatic power-transmission synchronizer. 1,985,762; Dec. 25.
Bland, William L., Toronto, Ontario, Canada. License plate. 1,985,227; Dec. 25.
Blatz, Peter A., Westover Hills, Del. Parti-colored leather. 1,985,236; Dec. 25.
Blatz, Peter A., Westover Hills, Del. Printed leather. 1,985,675; Dec. 25.
Bloore, Ernest J., Brampton, Ontario, Canada, assignor to The McBee Company, Athens, Ohio. Metal for loose leaf binder covers. 1,985,714; Dec. 25.
Bloss, Richard L., Manitou, Colo. Combined pad holder and illuminating means therefor. 1,985,335; Dec. 25.
Blum, Hosmer L., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid meter. 1,985,399; Dec. 25.
Blum, Hosmer L., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid meter. 1,985,400; Dec. 25.
Boast, William F., Casper, Wyo. Adjustable rubber eraser for lead pencils. 1,985,307; Dec. 25.
Böhme, H. Th., Aktiengesellschaft. (See Kögl, Hans, assignor.)
Bolam, Robert F., Tampa, Fla. Copper base alloy. 1,985,814; Dec. 25.
Bond Electric Corporation. (See Pratt, Goodrich B., assignor.)
Bondurant, Carlton W., assignor to The Bishop Babcock Sales Company, Cleveland, Ohio. Thermally actuated electrical switch. 1,985,337; Dec. 25.
Booth, Clement, Danbury, Conn., assignor to Cincinnati Grinders Incorporated. Grinding machine. 1,985,237; Dec. 25.
Bornhauser, Oscar, Strasbourg (Bas-Rhin), assignor to Société d'Electrochimie d'Electrométallurgie, et des Acieries Electriques d'Ugine, Paris, France. Electroplating of articles with chromium. 1,985,308; Dec. 25.
Borroughs, Joseph N., Oakland, Calif. Towel indicator for towel cabinets. 1,985,228; Dec. 25.
Boshkoff, George J., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Producing oxygen of high purity. 1,985,763; Dec. 25.
Bössner, Franz, and C. Marischka, Vienna, Austria. Production of gases poor in carbon monoxide. 1,985,441; Dec. 25.
Bourjois, Inc. (See Douglas, Paul H., assignor.)
Bowser, S. F., & Company, Inc. (See Blum, Hosmer L., assignor.)
Bowser, S. F., & Company, Inc. (See Carlson, Carl E., assignor.)
Boyd, Carl N., Los Angeles, Calif. Automatic starter. 1,985,309; Dec. 25.
Brach, Leon S., East Orange, N. J. Illuminating switch-handles. 1,985,276; Dec. 25.
Braddon, Fred D., Eltingville, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector for tubular conductors. 1,985,277; Dec. 25.
Bradley, Merrill I., Detroit, Mich. Universal joint. 1,985,278; Dec. 25.
Bragg-Kliesrath Corporation. (See Sanford, Roy S., assignor.)
Branca, Agostino, Harrisburg, Pa. Shoe heel. 1,985,651; Dec. 25.
Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Treating oils. 1,985,440; Dec. 25.
Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Lasting gauge. 1,985,310; Dec. 25.
Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Manufacture of shoes. 1,985,311; Dec. 25.
Brauer Bros., Inc. (See Brauer, A. J., and Wagner, assignors.)
Breding, Fred G. (See Lemm, Lester F., assignor.)
Bristol Company, The. (See Koester, Herman, assignor.)
Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Treatment of fresh fruit in preparation for market. 1,985,238; Dec. 25.
Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Protective treatment of fresh fruit in preparation for market. 1,985,239; Dec. 25.
Brogdex Company. (See Brogden, Ernest M., assignor.)
Brogdex Company. (See Skinner, Bronson C., assignor.)
Brogdex Company. (See Trowbridge, Miles L., assignor.)
Brook Hill Farm Incorporated. (See Farr, Stewart M., assignor.)
Brooks, Harry E., and P. B. Reeves, assignors to Reeves Pulley Company, Columbus, Ind. Filling wind control for spinning frames. 1,985,851; Dec. 25.
Brown, E. C., Co. (See Bullock, Giles E., assignor.)
Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. Des. 94,112; Dec. 25.
Brown, Paul B., Toledo, Ohio. Atomizer. Des. 94,113; Dec. 25.
Brown, Walter I., Oakland, Calif. Device for forming pulp chips. 1,985,479; Dec. 25.
Brubaker, Jacob Z., Manheim, Pa. Force feed cooling system for internal combustion engines. 1,985,240; Dec. 25.
Brunswick-Balke-Collender Company, The. (See Jackson, Robert W., assignor.)
Bryson, Tandy A., Troy, N. Y. Method of and apparatus for controlling a characteristic of a material. 1,985,312; Dec. 25.
Bryson, Tandy A., Troy, N. Y. Apparatus for controlling a characteristic of a material. 1,985,313; Dec. 25.
Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automotive driving axle. 1,985,815; Dec. 25.
Bucky, Gustav, New York, N. Y. Apparatus for producing orthodiagraphic diagrams. 1,985,715; Dec. 25.
Budd, Edward G., Manufacturing Company. (See La Porte, Ralph P., assignor.)
Budd Wheel Company. (See Rosenberg, Ralph H., assignor.)
Bueschel, Fritz, assignor to Essex Specialty Co., Inc., Hackettstown, N. J. Top. 1,985,716; Dec. 25.
Buller, Charles R., assignor to The Hell Co., Milwaukee, Wis. Fluid control valve. 1,985,279; Dec. 25.
Bullock, Giles E., assignor to E. C. Brown Co., Rochester, N. Y. Velocipede. Des. 94,114; Dec. 25.
Bunting Brass and Bronze Company, The. (See Yager, G. F., and Heath, assignors.)
Burch, Orson G., Highland Park, Mich. Carpet sweeper. Des. 94,115; Dec. 25.
Burnham, William C., Menlo Park, Calif., assignor to Davis Emergency Equipment Company, Incorporated, New York, N. Y. Block hook. 1,985,596; Dec. 25.
Buxbaum, Edwin C. (See Lee, H. R., and Buxbaum.)
Calcott, William S., Pennsgrove, N. J., and M. O. Foreman, Oakharbor, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicide. 1,985,597; Dec. 25.
Caldwell, William J., Independence, Mo., assignor to J. H. McCormick & Co., Williamsport, Pa. Evaporative cooling. 1,985,338; Dec. 25.
Callahan, Timothy F., Quincy, Mass. Apparatus for semi-fluid and fluid evacuation. 1,985,401; Dec. 25.
Callender, Monroe N., Los Angeles, Calif. Cuspidor. 1,985,533; Dec. 25.
Camel Company. (See Lute, C., and Tobin, assignors.)
Camel Company. (See Vegren, Conrad R., assignor.)
Campbell, Harry P., Clayton, N. J. Tennis scoring device. 1,985,652; Dec. 25.
Campbell, Le Roy W., Montclair, N. J., assignor to The Napier Company, Meriden, Conn. Shaker top. Des. 94,116; Dec. 25.
Campbell, Sumner E., Long Beach, Calif. Decolorizing oils. 1,985,717; Dec. 25.

Candee, Andrew H. (See Kerr, C., Candee, King, Harder, and McLanahan.)
Carle, James F., Birmingham, Ala. Bituminous paving material and producing the same. 1,985,718; Dec. 25.
Carleton, Robert A., Brooklyn, assignor to National Electric Heating Company, Inc., New York, N. Y. Electric fluid heater. 1,985,280; Dec. 25.
Carlisle Lumber Company. (See Goss, Oliver P. M. and W. C., assignors.)
Carlson, Carl E., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Hose nozzle. 1,985,402; Dec. 25.
Carpenter, John F., Collingswood, N. J. Flexible decorating web. 1,985,480; Dec. 25.
Carter, William C., Flint, Mich. Pump for liquid fuel supply systems. 1,985,281; Dec. 25.
Carter, William C., Flint, Mich. Diaphragm pump. 1,985,282; Dec. 25.
Cartmell, John, Spokane, Wash. Air cleaner. 1,985,548; Dec. 25.
Carver, Fred S., East Orange, N. J. Laboratory press. 1,985,598; Dec. 25.
Casey, Howard T., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,985,442; Dec. 25.
Cates, Vincent K., R. H. Congreve, and A. V. Pedersen, Los Angeles, and E. D. Seaver, Alhambra, assignors to Summerbell Truss Co., Los Angeles, Calif. Roof construction. 1,985,599; Dec. 25.
Cat's Paw Rubber Company. (See Esterson, Albert A., assignor.)
Celanese Corporation of America. (See Dreyfus, C., and Platt, assignors.)
Celanese Corporation of America. (See Eichengrün, Arthur, assignor.)
Celanese Corporation of America. (See Ellis, G. H., Ockman, and Olpin, assignors.)
Celanese Corporation of America. (See Jabouley, Joanny, assignor.)
Celanese Corporation of America. (See Thomas, E. B., Groombridge, and Oxley, assignors.)
Celinski, Stephen, Buffalo, N. Y. Microscopic slide edging and smoothing machine. 1,985,817; Dec. 25.
Chace, William M., jr. (See Singleton, W. E., and Chace.)
Chadwick, Lee S., Shaker Heights Village, M. Resek, and T. B. Focke, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio. Cooling unit for refrigerating machines. 1,985,816; Dec. 25.
Champion De Arment Tool Company. (See Manning, Howard H., assignor.)
Chapelle, Robert, Beaucaire, Gard, France. Fruit pitting machine. 1,985,336; Dec. 25.
Chapin, Herbert L., Swampscott, and A. S. Johnson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying cement. 1,985,482; Dec. 25.
Chase Companies, Incorporated, The. (See Recker, Adolph C., assignor.)
Cheplin, Harry A. (See Reichel, J., and Cheplin.)
Cherney, William. (See Woodward, Lawrence P., assignor.)
Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)
Christie, John, and A. Donkin, Sunderland, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switchgear. 1,985,653; Dec. 25.
Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
Cincinnati Grinders Incorporated. (See Turner, Albert, assignor.)
Cincinnati Milling Machine Company, The. (See Archea, Walter D., assignor.)
Cincinnati Milling Machine Company, The. (See Vancil, E. D., and Dods, assignors.)
Clapp, Albert L., Danvers, Mass. Cooking utensil. 1,985,764; Dec. 25.
Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)
Clark, Samuel C., Pontiac, Mich., assignor to Baldwin Rubber Company. Mat or covering and making same. 1,985,484; Dec. 25.
Clarke, Joseph W., St. Louis, Mo. Combined doorknob and lighting device. 1,985,483; Dec. 25.
Clarkson, Richard G. (See Downing, F. B., Clarkson, and Hannum.)
Clement, Lewis M., Mountain Lakes, assignor, by mesne assignments, to Federal Telegraph Company, Newark, N. J. Radio receiving apparatus. 1,985,403; Dec. 25.
Clute, Donald, Detroit, Mich., assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,985,443; Dec. 25.
Clyde, John L., Joliet, Ill. Truck. 1,985,362; Dec. 25.
Cochrane, Harold R., and U. Sprinchorn, assignors of one-third to G. B. Pitts, Jamestown, N. Y. Pumping mechanism. 1,985,283; Dec. 25.
Cohagen, Donald E. (See Frohmuth, W. J., and Cohagen.)
Coleman, Richard B., Kansas City, Mo. Time controlled flushing apparatus. 1,985,314; Dec. 25.
Colley, George F., assignor to L. McCulloch, Memphis, Tenn. Starter spring. 1,985,342; Dec. 25.
Collins, Albert B., et al. (See Munson, Willard T., assignor.)
Collins, Henry E., et al. (See Munson, Willard T., assignor.)
Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Control mechanism for compressor valves. 1,985,600; Dec. 25.
Collins Supply & Equipment Co. (See Munson, Willard T., assignor.)
Collyear, John R. (See Baxenden, T. G., and Collyear.)
Colony, Myron W. (See Beardsley, E. W., and Colony.)
Colwell, Benjamin F., Pecos, Tex. Napkin holder for trays. 1,985,561; Dec. 25.
Combustion Utilities Corporation. (See Luedeke, Arthur W., assignor.)
Communication Patents, Inc. (See Gillespie, Henderson C., assignor.)
Communication Patents, Inc. (See Macalpine, William W., assignor.)
Communication Patents, Inc. (See Nicolson, Alexander McL., assignor.)
Communication Patents, Inc. (See Pooler, Louis G., assignor.)
Conant, Stanley F., Littleton, assignor to United Elastic Corporation, Easthampton, Mass. Elastic webbing. 1,985,852; Dec. 25.
Cone, Charles N. (See Davidson, G., Cone, Laucks, and Banks.)
Congreve, Ralph H. (See Cates, V. K., Congreve, Pedersen, and Seaver.)
Connolly, Gerald C., and J. A. Pierce, assignors, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Producing catalytic masses. 1,985,343; Dec. 25.
Continental Can Company. (See Dodge, M. L., and Laxo, assignors.)
Continental Can Company, Inc. (See Coyle, John, assignor.)
Continental Can Company, Inc. (See Kronquest, Alfred L., assignor.)
Continental Can Company, Inc. (See O'Brien, Frank J., assignor.)
Continental Can Company, Inc. (See Renshaw, Joseph H., assignor.)
Continental Coffee Company. (See Ehrenreich, Frank C., assignor.)
Continental Motors Corporation. (See Kreis, Oscar C., assignor.)
Continental Motors Corporation. (See Meyer, Andre J., assignor.)
Continental Optical Company, Inc. (See Soden, Fred H., assignor.)
Cope, Victor H., Defiance, Ohio. Heater. Des. 94,117; Dec. 25.
Cornock, Edward F., assignor to Package Machinery Company, Springfield, Mass. Cigar feeding mechanism. 1,985,765; Dec. 25.
Courtney, Charles, New York, N. Y. Lock construction. 1,985,363; Dec. 25.
Cowden, Harry L., Guthrie Center, Iowa. Loose leaf binder. 1,985,534; Dec. 25.
Coxhead, Ralph C., Corporation. (See Oswald, Alfred E., assignor.)
Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 1,985,818; Dec. 25.
Crabtree, Ivory H., Toppenish, Wash. Motion picture projecting apparatus. 1,985,629; Dec. 25.
Craig, George E., Ottawa, Ontario, and W. J. Walker, Gatineau, Quebec, Canada, assignors to International Paper Company, New York, N. Y. Motor control system for grinders and the like. 1,985,719; Dec. 25.
Craighead, Rex G., The Dalles, Oreg. Balanced advertising device. 1,985,630; Dec. 25.
Crane, Newton, Boston, assignor, by mesne assignments, of one-half to G. C. Graham, Watertown, Mass. Apparatus for expressing liquids. 1,985,485; Dec. 25.
Crescent Brass Mfg. Co., Inc. (See Schwinger, Abraham, assignor.)
Crickmer, Charles S. (See Thaheld, F. A., and Crickmer.)
Crocker, Seth C., Boston, Mass. Fountain pen or similar article. Des. 94,118; Dec. 25.
Croope, Donald H. (See Nutting, H. S., Petrie, Croope, and Huscher.)
Crosley Radio Corporation, The. (See Kilgour, Charles E., assignor.)
Cross, Wilfred C. (See Rendle, V., and Cross.)
Crumley, James A., and G. T. Wall, Charleston, W. Va. Coal mining machine. 1,985,339; Dec. 25.
Cuffel, Roy O., Los Angeles, Calif. Folding table. 1,985,284; Dec. 25.
Culling, Chambers R., and M. A. Baernstein, assignors to National Pigments and Chemical Company, St. Louis, Mo. Treating ferrous metals. 1,985,315; Dec. 25.
Cushman, H. T., Mfg. Co. (See De Vries, Herman E., assignor.)
Cutler-Hammer, Inc. (See Wilson, H., and Ritchie, assignors.)
Dady, Homer, Indianapolis, Ind. Doughnut cutter. Des. 94,119; Dec. 25.
Dahlen, Miles A., and R. E. Etzelmiller, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Arylamine and its production. 1,985,601; Dec. 25.
Dahlstrand, Josef Y., assignor to Murray Iron Works Company, Burlington, Iowa. Regulating a steam turbine. 1,985,404; Dec. 25.

Dahms, Alfred A., Chicago, Ill., and T. C. Knudsen, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Railroad car drive. 1,985,766; Dec. 25.
Daimler, Karl. (See Steindorff, A., Daimler, and Platz.)
"Danuvia" Ipari es Kereskedelmi R. T. Firm of Budapest. (See Gebauer, F., and Király, assignors.)
Davidson, Glenn, C. N. Cone, I. F. Laucks, and H. P. Banks, assignors to I. F. Laucks, Inc., Seattle, Wash. Making an adhesive and the product thereof. 1,985,631; Dec. 25.
Davis Emergency Equipment Company. (See Burnham, William C., assignor.)
Davis, Howard C., Lancaster, Ohio. Wheel chain. 1,985,444; Dec. 25.
Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Sheet retaining device. 1,985,364; Dec. 25.
Dawson, Joseph W. (See Herold, J. L., and Dawson.)
Daya, Werner, Berlin-Halensee, Germany. Device for removing disturbances in wireless transmission. 1,985,241; Dec. 25.
De Back, William, assignor to Food Machinery Corporation, San Jose, Calif. Self-opening clutch. 1,985,242; Dec. 25.
Dee, Julie E., Oakland, Calif. Double boiler. 1,985,486; Dec. 25.
De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,985,720; Dec. 25.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Sustaining rotor for aircraft and making same. 1,985,819; Dec. 25.
Delaney, Ada W., Estate of. (See Delaney, John H., assignor.)
Delaney, John H., deceased, by Union Bank & Trust Co. of Los Angeles, administrator, Los Angeles, Calif., assignor to the estate of A. W. Delaney, deceased. Acoustic building material. 1,985,487; Dec. 25.
Dell'Orco, Louis A. (See Seninger, F., Goeke, Nash, and Dell'Orco.)
De Markus, Louis, assignor to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa. Filling machine. 1,985,767; Dec. 25.
De Sherbinin, William N., Hastings-on-Hudson, N. Y. Adapter. 1,985,488; Dec. 25.
De Vries, Herman E., New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Handle. Des. 94,120; Dec. 25.
De Vries, Ralph P., Menands, N. Y. Alloy steel. 1,985,316; Dec. 25.
De Wahl, Arvid R., Minneapolis, Minn. Endless conveyer. 1,985,535; Dec. 25.
Dexter, MacDougald, Columbus, Ga. Tobacco pipe. 1,985,365; Dec. 25.
Dicalite Company, The. (See Stockton, McKinley, assignor.)
Dickson, John R., Elmira, N. Y. Unitary manifolding set. 1,985,853; Dec. 25.
Ditts Machine Works, Inc. (See Haskell, J. D., and Prather, assignors.)
Ditges, William L., Pittsburgh, Pa., assignor to Mackintosh-Hemphill Company. Rolling mill connecter. 1,985,405; Dec. 25.
Dival, Edgar F., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Can. 1,985,721; Dec. 25.
Dodge, Harry H., assignor to J. H. McCormick & Co., Williamsport, Pa. Electric contact device for automatic operation of mechanisms. 1,985,340; Dec. 25.
Dodge, John H., Worcester, Mass. Car mover. 1,985,317; Dec. 25.
Dodge, Merton L., Seattle, Wash., and E. Laxo, Oakland, Calif., assignors to Continental Can Company, Inc., New York, N. Y. Trimmer and slitter. 1,985,820; Dec. 25.
Dods, Henry J. (See Vancil, E. D., and Dods.)
Doherty Research Company. (See Brandt, David G., assignor.)
Donkin, Alfred. (See Christie, J., and Donkin.)
Dorr Company, The, Inc. (See Downes, Frank A., assignor.)
Dorr Company, Inc., The. (See Maust, Ernest J., assignor.)
Douglas, Paul H., Pelham Manor, assignor to Bourjois, Inc., New York, N. Y. Cosmetic box. 1,985,358; Dec. 25.
Douglass, Henry J., assignor to Pacific Can Co., San Francisco, Calif. Ring neck key can. 1,985,536; Dec. 25.
Dow Chemical Company, The. (See Nutting, H. S., Petrie, Croope, and Huscher, assignors.)
Downes, Frank A., Larchmont, assignor to The Dorr Company, Inc., New York, N. Y. Sewage aerator. 1,985,854; Dec. 25.
Downing, Frederick B., Carneys Point, N. J., R. G. Clarkson, Wilmington, Del., and C. W. Hannum, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nondyeing sulfurized phenol. 1,985,602; Dec. 25.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Railway tie pulling machine. 1,985,768; Dec. 25.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Producing ornamental fabric. 1,985,243; Dec. 25.
Dreyfus, Henry, London, England. Manufacture of aliphatic compounds. 1,985,769; Dec. 25.
Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcutt, W. S., and Foreman, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Etzelmiller, assignors.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., Clarkson, and Hannum, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lee, H. R., and Buxbaum, assignors.)
Dura Company, The. (See Floraday, Burton S., assignor.)
Duval, Edward A., assignor to F. Schumacher & Co., New York, N. Y. Rug. Des. 94,121; Dec. 25.
Eames, Robert, Detroit, Mich. Can opener. 1,985,489; Dec. 25.
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Economic Machinery Company. (See Fenner, J. O., and Sjoberg, assignors.)
Edwards, Donald V., Montclair, and E. K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware. Cathode and preparing the same. 1,985,855; Dec. 25.
Edwards, Frank W., assignor to The Ohio Injector Company of Illinois, Chicago, Ill. Pressure operated valve. 1,985,770; Dec. 25.
Egan, Joseph P., Long Branch, N. J. Razor blade sharpener. 1,985,537; Dec. 25.
Ehrenreich, Frank C., assignor to Continental Coffee Company, Chicago, Ill. Coffee urn. Des. 94,122; Dec. 25.
Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Coated wire cloth. 1,985,771; Dec. 25.
Electric Plug, Inc. (See Hill, Ralph B., assignor.)
Electrolux Servel Corporation. (See Persson, N., and Blickström, assignors.)
Electrons, Inc. of Delaware. (See Edwards, D. V., and Smith, assignors.)
Elliott, Harmon P., Watertown, Mass. Bill printing and addressing machine. 1,985,244; Dec. 25.
Elliott, Harmon P., Watertown, Mass. Printing machine and method. 1,985,245; Dec. 25.
Elliott, Harmon P., Watertown, Mass. Printing and addressing machine. 1,985,246; Dec. 25.
Elliott, Harmon P., Watertown, Mass. Bill printing and addressing machine. 1,985,247; Dec. 25.
Ellis, George H., T. Ockman, and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of materials. 1,985,248; Dec. 25.
Elssner, Richard, Johnson City, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Winding threads and the like. 1,985,603; Dec. 25.
Embury Manufacturing Co. (See Perkins, A. J., and Beckman, assignors.)
Emerson Electric Mfg. Co., The. (See Persons, Lawrence M., assignor.)
English, Francis G. S. (See Thomas, A., and English.)
Epstein, Samuel, assignor to Ansonia Bootery, Inc., New York, N. Y. Shoe. Des. 94,123; Dec. 25.
Epstein, Samuel, assignor to Ansonia Bootery, Inc., New York, N. Y. Shoe. Des. 94,124; Dec. 25.
Erbe, Rudolf. (See Meerwein, H., Ulfers, Erbe, Aichner and Klaphake.)
Erdahl, Nicholai M., assignor to Highway Trailer Company, Edgerton, Wis. Side-mounted derrick for tractors. 1,985,285; Dec. 25.
Erickson, John R., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated. New York, N. Y. Acoustic device. 1,985,722; Dec. 25.
Erickson, Marcus A., and J. Groseth, Minneapolis, Minn. Grain separator. 1,985,772; Dec. 25.
Essex Specialty Co., Inc. (See Buescbel, Fritz, assignor.)
Esterson, Albert A., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md. Shoe, sole or similar article. Des. 94,125; Dec. 25.
Etablissements Labinal. (See Petit, Jean F. G., assignor.)
Etzelmiller, Robert E. (See Dahlen, M. A., and Etzelmiller.)
Evans, Archibald D., assignor to The Wean Engineering Company, Incorporated, Warren, Ohio. Shears. 1,985,856; Dec. 25.
Faber, Paul, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Control system for prime movers. 1,985,773; Dec. 25.
Fafnir Bearing Company, The. (See Gorman, William J., assignor.)
Fairbanks, E. and T., and Company. (See Jacobus, Alvah B., assignor.)
Fairbanks, E. and T., and Company. (See Taylor, William H., assignor.)
Faltlhauser, Will. (See Mauser, Wilhelm, assignor.)
Farr, Stewart M., assignor to Brook Hill Farm Incorporated, Genesee Depot, Wis. Acidophilus product and producing the same. 1,985,490; Dec. 25.
Federal Telegraph Company. (See Clement, Lewis M., assignor.)
Feld, Charles, North Attleboro, assignor to H. E. Sweet, doing business as R. F. Simmons Company, Attleboro, Mass. Watch bracelet. 1,985,249; Dec. 25.
Fenner, James O., Worcester, and H. A. E. Sjoberg, Grafton, assignors to Economic Machinery Company, Worcester, Mass. Labeling device. 1,985,774; Dec. 25.
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Feragen, A. E., Inc. (See Starr, Emil M., assignor.)
Fergueson, Arthur P., Detroit, Mich., assignor to Oakes Products Corporation, North Chicago, Ill. Ventilating window for motor cars. 1,985,538; Dec. 25.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic load brake. 1,985,445; Dec. 25.
Field, Samuel B., Holbrook, assignor to Archer Rubber Company, Milford, Mass. Machine for forming rubber articles. 1,985,821; Dec. 25.
Fifield, Albert F., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Button sewing machine. 1,985,366; Dec. 25.
Filippone, B., & Co., Inc. (See Tanzi, Guido, assignor.)
Finch, William G. H., New York, N. Y. Image broadcasting system. 1,985,654; Dec. 25.
Finizle, Tomun, Shrub Oak, N. Y., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,985,633; Dec. 25.
Finley, Harold L., assignor to The Lonergan Manufacturing Co., La Porte, Ind. Oil fired space heater. Des. 94,126; Dec. 25.
Fireside Players, Incorporated. (See Pullen, Harry, assignor.)
Firestone Steel Products Company, The. (See Adams, Leland R., assignor.)
Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
Fisher, Elbert E., assignor to National Pigments and Chemical Company, St. Louis, Mo. Sodium barium aluminate and making same. 1,985,318; Dec. 25.
Fisher, Gerald M., Glendale, Calif. Froth for sealing volatile liquids. 1,985,491; Dec. 25.
Fitz Gerald, Alan S., Wynnewood, Pa. Multiple circuit proportional control systems. 1,985,562; Dec. 25.
Fitz Gerald, Alan S., Wynnewood, Pa. Control system for escalators, conveyers, and the like. 1,985,563; Dec. 25.
Fitz Gerald, Alice L., New York, N. Y. Copy holder. Des. 94,127; Dec. 25.
Fitzgerald Mfg. Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald, Patrick J., assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Coffee roaster. 1,985,604; Dec. 25.
Fleischer, Joseph, assignor to Frigidaire Corporation, Dayton, Ohio. Brine solution. 1,985,632; Dec. 25.
Fleming, Wilfred K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Regulating system. 1,985,634; Dec. 25.
Fleming, Wilfred K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Regulating system. 1,985,635; Dec. 25.
Flintkote Company, The. (See Johnston, David W., assignor.)
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,985,655; Dec. 25.
Focke, Theodore B. (See Chadwick, L. S., Resek, and Focke.)
Food Machinery Corporation. (See de Back, William, assignor.)
Food machinery Corporation. (See Stebler, Fred, assignor.)
Foreman, Melvin O. (See Calcott, W. S., and Foreman.)
Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigeration apparatus. 1,985,286; Dec. 25.
Fortune, James C., Monterey, Calif. Drive for drill pipe. 1,985,367; Dec. 25.
Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Boston, Mass. Refrigeration system for vehicle. 1,985,636; Dec. 25.
Frankforter Oil Process, Inc. (See Mapes, Dwight B., assignor.)
Fraser, Gordon N., and J., Arbroath, Angus, Scotland. Silver balling machine. 1,985,822; Dec. 25.
Fraser, John. (See Fraser, Gordon, N., and J.)
Fraser, Norman. (See Fraser, Gordon, N., and J.)
Fraser, William J., Toronto, Ontario, Canada. Making tread mold elements. 1,985,341; Dec. 25.
Fray, Peter. (See Richter, W., and Fray.)
Freedman, Harry A., New York, N. Y. Beach chair. 1,985,823; Dec. 25.
French, Arthur H., and L. O. Gill, assignors to A. E. Sta'ey Manufacturing Company, Decatur, Ill. Plasticizer. 1,985,368; Dec. 25.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Assembling means for typographical machines. 1,985,857; Dec. 25.
Frigidaire Corporation. (See Fleischer, Joseph, assignor.)
Frigidaire Corporation. (See Henney, Charles F., assignor.)
Frohmuth, William J., and D. E. Cohagen, Fort Wayne, Ind. Soldering tool. 1,985,492; Dec. 25.
Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 1,985,369; Dec. 25.
Fulper Pottery Company. (See Stangl, Johann M., assignor.)
Gair, Robert, Company, Inc. (See Weiss, Arthur J., assignor.)
Galkin, Nathan B., New York, N. Y. Intermittent driving mechanism. 1,985,406; Dec. 25.
Gall, Stanley, Cincinnati, Ohio. Sausage casing. 1,985,564; Dec. 25.
Gard, William H., Loveland, Colo. Water distributor. 1,985,565; Dec. 25.
Gardner-Richardson Company, The. (See Swan, Joseph H., 3d., assignor.)
Garreau, Henri, Paris, France, assignor to the Firm Rotary Furnaces Limited, Brussels, Belgium. Heating device for rotary furnaces. 1,985,566; Dec. 25.
Gáspár, Béla, Berlin, Germany. Producing multicolor photographs and cinematograph pictures. 1,985,344; Dec. 25.
Gebauer, Ferenc, and P. Király, assignors to "Danuvia" Ipari es Kereskedelmi R. T. firm of Budapest, Budapest, Hungary. Automatic or self-loading gun. 1,985,493; Dec. 25.
Gebhardt, William, San Antonio, Tex. Nut length grader. 1,985,345; Dec. 25.
Gemex Company. (See Prestinari, Eugen, assignor.)
General Aniline Works, Inc. (See Steindorff, A., Daimler, and Platz, assignors.)
General Aniline Works, Inc. (See Stüsser, Richard, assignor.)
General Plastics, Inc. (See Norton, A. J., and Sontag, assignors.)
General Steel Castings Corporation. (See Pfinger, H. M., and Hallquist, assignors.)
General Steel Castings Corporation. (See Sheehan, William M., assignor.)
Gerdts, Gustav F., Bremen, Germany. Discharge valve for tank cars. 1,985,858; Dec. 25.
Gill, Lowell O. (See French, A. H., and Gill.)
Gillespie, Henderson C., East Orange, N. J., assignor to Communication Patents, Inc., New York, N. Y. Television synchronizing and monitoring system. 1,985,723; Dec. 25.
Gilmore, Charles B., Chicago, Ill. Control mechanism. 1,985,319; Dec. 25.
Gish, Daniel B., Springfield, Mass. Hose coupling and securing the same to a hose. 1,985,494; Dec. 25.
Gliveen, George S., Sioux City, Iowa. Egg breaking and separating machine. 1,985,320; Dec. 25.
Gleason Works. (See Hill, Maxwell H., assignor.)
Glenwood Range Company. (See Wiley, Clarence F., assignor.)
Globe Machine & Stamping Company, The. (See Green, Lee B., assignor.)
Goder, Max, Neuss, Germany, assignor to United States Envelope Company, Springfield, Mass. Machine for folding flat paper-matters. 1,985,859; Dec. 25.
Goeke, Frank A., et al. (See Seninger, F., Goeke, Nash, and Dell'Orco.)
Goldberg, Benjamin E., Dallas, Tex. Monument. Des. 94,128; Dec. 25.
Goldenberg, Michael, Philadelphia, Pa. Shoe cleat attachment. 1,985,775; Dec. 25.
Goodrich, B. F., Company, The. (See Nathan, Tracy D., assignor.)
Goodrich, Edmond T., Detroit, Mich. Automatic window lock. Re19,405; Dec. 25.
Goodspeed, Lawrence D., Wilton, Maine. Convertible toy. 1,985,656; Dec. 25.
Gore-Lloyd, Edmund, Shepperton-on-Thames, England. Vacuum-sealing of canister, bottle, jar, and like container. 1,985,788; Dec. 25.
Gorman, William J., assignor to The Fafnir Bearing Company, New Britain, Conn. Chuck. 1,985,446; Dec. 25.
Goss, Oliver P. M., and W. C., Seattle, Wash., assignors to Carlisle Lumber Company. Machine for drying and powdering wood waste. 1,985,259; Des. 25.
Goss, Worth C. (See Goss, Oliver P. M. and W. C.)
Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread cutter device for sewing machines. 1,985,605; Dec. 25.
Government of the United States, represented by the Secretary of Commerce. (See Isbell, Horace S., assignor.)
Grabler Manufacturing Company, The. (See McCabe, Frank E., assignor.)
Graham, George C. (See Crane, Newton, assignor.)
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Green, Arthur B., Westbrook, Maine. Pulp tester. 1,985,321; Dec. 25.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Parallel-blade radiator grille. 1,985,407; Dec. 25.
Greenawalt, David F., Huntingdon Valley, Pa. Textile fabric. Des. 94,129; Dec. 25.
Greenawalt, David F., Huntingdon Valley, Pa. Textile fabric. Des. 94,130; Dec. 25.
Greist Manufacturing Company, The. (See Finizle, Tomun, assignor.)
Griffin, Richard B. (See Suiter, Jay A., assignor.)
Groener, Samuel, Paris, France, assignor to F. Amato, New York, N. Y. Binding for stacks of paper or the like. 1,985,776; Dec. 25.
Groombridge, Walter H. (See Thomas, E. B., Groombridge, and Oxley.)
Groseth, Johannes. (See Erickson, M. A., and Groseth.)
Gross, Albert H., Oakland, Calif. Combination laundry-tray cover and drain-board. Des. 94,131; Dec. 25.
Grubbs, Hayward I., El Monte, Calif. Valve lifter. 1,985,447; Dec. 25.
Gruse, William A., Wilkinsburg, assignor to Gulf Refining Company, Pittsburgh, Pa. Sealing liquid and making same. 1,985,860; Dec. 25.
Guiberson Diesel Engine Company. (See Thaheld, F. A., and Crickmer, assignors.)
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Sugar bowl. Des. 94,132; Dec. 25.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Coffee server. Des. 94,133; Dec. 25.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tea server. Des. 94,134; Dec. 25.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Memorandum book cover. Des. 94,135; Dec. 25.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Desk stand. Des. 94,136; Dec. 25.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Ice tongs. Des. 94,137; Dec. 25.

Guimaraes, Ricardo 2d, Sao Paulo, Brazil. Vehicle brake arrangement. 1,985,346; Dec. 25.

Gulf Refining Company. (See Gruse, William A., assignor.)

Gustine, Franklin J., New Orleans, La. Spring operated mechanical toy. 1,985,657; Dec. 25.

Haas, Carl F., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Floodlight. Des. 94,138; Dec. 25.

Haas, Clarence C. (See Kriegbaum, G. M., and Haas.)

Hacker Manufacturing Company. (See Trotter, Henry R., assignor.)

Hackett, Bernard A., Cincinnati, Ohio. Vending machine casing. Des. 94,139; Dec. 25.

Haddock, Norman H., Prestwich Park North, Prestwich, and C. H. Lumsden, Thornton Gate, Gatley, England, assignors to Imperial Chemical Industries Limited. Production of fast dyeings on textile fibers. 1,985,287; Dec. 25.

Haefele, John F., Stratford, Conn. Window shade bracket. 1,985,567; Dec. 25.

Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Record strip aligner for writing machines. 1,985,824; Dec. 25.

Hall, George L., Greensboro, N. C., assignor to Swimsafe Products Company, Memphis, Tenn. Bathing suit. 1,985,568; Dec. 25.

Hallquist, Elnar G. (See Pflager, H. M., and Hallquist.)

Hamilton, Rush, Piedmont, Calif. Tractor. 1,985,777; Dec. 25.

Hammond Clock Company, The. (See Stephens, George H., assignor.)

Hand, Frederick E., Canton, Ill., assignor to International Harvester Company. Tractor planter. 1,985,370; Dec. 25.

Hand, Leslie T., Brooklyn, N. Y. Method of and machine for slitting and stacking folded plies of paper web. 1,985,676; Dec. 25.

Hand, Leslie T., Brooklyn, N. Y. Superfolded paper tape. 1,985,677; Dec. 25.

Hand, Leslie T., Brooklyn, N. Y. Superfold paper tape. 1,985,678; Dec. 25.

Hannum, Chester W. (See Downing, F. B., Clarkson, and Hannum.)

Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Weighing scale. Des. 94,140; Dec. 25.

Hanson, Rudolph L., Frewsburg, assignor to Jamestown Metal Desk Company, Jamestown, N. Y. Guide for sliding members. 1,985,495; Dec. 25.

Hanson Scale Company. (See Hansen, Marius H., assignor.)

Harder, Edwin L. (See Kerr, C., jr., Candee, King, Harder, and McLanahan.)

Harnly, David H., Chicago, Ill. Weather strip. 1,985,724; Dec. 25.

Harris, Benjamin R., Chicago, Ill. Making margarine. 1,985,496; Dec. 25.

Harris, Clarence K., Marion, Ohio. Spiral swing. 1,985,497; Dec. 25.

Harris, Edward E., Chicago, Ill. Combined salt and pepper shaker. 1,985,498; Dec. 25.

Harrison, Herbert T., assignor to Alfred Herbert Limited, Coventry, England. Disk clutch. 1,985,825; Dec. 25.

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,985,826; Dec. 25.

Harter, Hans, Wurzburg, Germany. Oxidizing hydrocarbons. 1,985,875; Dec. 25.

Hartford-Empire Company. (See Kinker, Clarence C., assignor.)

Hartwig, William G., assignor to Railway Utility Company, Chicago, Ill. Automatically governed continuous burner. 1,985,539; Dec. 25.

Hascall, Charles S., Baldwin, N. Y. Wrench. 1,985,371; Dec. 25.

Haskell, John D., Fulton, and G. P. Prather, Adams Center, assignors to Dilts Machine Works, Inc., Fulton, N. Y. Refining engine. 1,985,569; Dec. 25.

Haven, Harry, Baltimore, Md. Mixing apparatus and control valve for use therein. 1,985,570; Dec. 25.

Hay, David C., and L. H. Mattes, South Bend, Ind. Truck wheel construction. 1,985,540; Dec. 25.

Hayemal, Paul C. L., Brussels, Belgium. Treatment of nitrocellulose containing waste material. 1,985,347; Dec. 25.

Hayes, Frank M., Cynthiana, Ky. Tobacco press. 1,985,448; Dec. 25.

Hayes, Harvey C., Washington, D. C. Determining the velocity of a moving body. 1,985,251; Dec. 25.

Heath, Oliver J. (See Yager, G. F., and Heath.)

Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Car truck. 1,985,288; Dec. 25.

Hedrick, Clarence E., Newton, Kans. Poultry feeder. 1,985,827; Dec. 25.

Heggem, Alfred G., Tulsa, Okla. Valve. 1,985,449; Dec. 25.

Hehr, Frederick G., Sayville, N. Y., assignor to Aerol Engine Corporation, Newport, R. I. Injector for internal combustion engine. 1,985,289; Dec. 25.

Heil Co., he. (See Buller, Charles R., assignor.)

Heinsbergen, Anthony B., Los Angeles, Calif. Combination plastic and color decorating. 1,985,725; Dec. 25.

Heise, Arthur C., and M. W. Jacobi, Baltimore, Md. Shelf for sinks. 1,985,658; Dec. 25.

Heldman, Max, Birmingham, Ala. Coaster toy. 1,985,726; Dec. 25.

Hellthaler, Theodor. (See Pungs, W., Jahrstorfer, and Hellthaler.)

Henneberger, Thomas C., Caldwell, N. J., assignor to American Telephone and Telegraph Company. Locating cable sheath defects. 1,985,348; Dec. 25.

Henney, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,985,252; Dec. 25.

Herbelin, Francis J. (See Voigt, A. P. J., Morhan, and Herbelin.)

Herbert, Alfred, Limited. (See Harrison, Herbert T., assignor.)

Herberts Machinery Company Ltd. (See Merrigan, William J., assignor.)

Hermann, Otto, New York, N. Y. Grinding device. 1,985,606; Dec. 25.

Herold, James L., and J. W. Dawson, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Apparatus for cleaning bottles. 1,985,408; Dec. 25.

Herring-Hall-Marvin Safe Company. (See Millice, Paul S., assignor.)

Herz, Ferdinand B., assignor to Long Manufacturing Company, Detroit, Mich. Auxiliary front for radiators. 1,985,372; Dec. 25.

Hetzel, Frank A., Harrisburg, Pa. Lifting tool. 1,985,571; Dec. 25.

Heyer, Don, assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Electrically driven power unit. Des. 94,141; Dec. 25.

Hicks, Thomas E., Princeton, N. J., assignor to The Modess Corporation, New York, N. Y. Clasp for sanitary napkins. Des. 94,142; Dec. 25.

Hickstein, William L., Irvington, and E. C. Loesser, Glen Ridge, N. J. Control device. 1,985,650; Dec. 25.

Highway Trailer Company. (See Erdahl, Nicholai M., assignor.)

Hildebrandt, Harold, Tacoma, Wash. Tearing strip can. 1,985,290; Dec. 25.

Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Method of and machine for chamfering gears. 1,985,409; Dec. 25.

Hill, Ralph B., assignor to Electric Plug, Inc., Bridgeport, Conn. Electrical plug device. Des. 94,143; Dec. 25.

Himes, Addison N. (See Himes, Ross A., assignor.)

Himes, Addison N., Piedmont, Calif. Paper box. 1,985,778; Dec. 25.

Himes, Ross A., Piedmont, assignor to A. N. Himes, Oakland, Calif. Paper box. 1,985,779; Dec. 25.

Himmelmann, Adolf, Dortmund, Germany. Protective rolling screen for windows, doors, and the like. 1,985,828; Dec. 25.

Hockley, Chester F., receiver. (See Connolly, G. C., and Pierce, assignors.)

Hodges, Lester E., Houston, Tex. Clutch for draw works. 1,985,291; Dec. 25.

Hoe, R., & Co., Inc. (See Horton, Albert J., assignor.)

Hoe, R., & Co., Inc. (See Quick, C. G., Ball, and Whitehead.)

Hoe, R. & Co., Inc. (See Tomlin, John R., assignor.)

Hoefer, Harrison B., Milwaukee, Wis. Pipe cutter. 1,985,541; Dec. 25.

Holderfield, Horace C., assignor of forty-nine per cent to G. I. Waddy, Nashville, Tenn. Lubricating means. 1,985,450; Dec. 25.

Holland, Harry W., Elizabeth, N. J. Dispensing pump. Des. 94,144; Dec. 25.

Holland, Harry W., Elizabeth, N. J. Dispensing pump. Des. 94,145; Dec. 25.

Hollywood Cone Waving Company. (See Tubbs, William B., assignor.)

Hommel, George L., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,985,499; Dec. 25.

Hopkins, Edwin S., New York, N. Y. Multiple aconstigraph. 1,985,253; Dec. 25.

Hoppe, William, and N. W. Lyon, assignors to National Bread Wrapping Machine Co., Springfield, Mass. Cutting mechanism for bread wrapping machines. 1,985,780; Dec. 25.

Horstkotte, Fred W., Portland, Oreg. Saw mill. 1,985,500; Dec. 25.

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Web roll controlling mechanism. 1,985,292; Dec. 25.

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Plate holding means for printing presses. 1,985,628; Dec. 25.

Houck, John D., Chicago, Ill. Faucet filter. 1,985,411; Dec. 25.

Hubbard, Karl H., assignor to Taylor Instrument Companies, Rochester, N. Y. Regulator. 1,985,829; Dec. 25.

Hudgens, Luther E., Wichita Falls, Tex. Level indicator and flow regulator. 1,985,451; Dec. 25.

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. High speed hot coiler. 1,985,501; Dec. 25.

Hudson, William W. (See Imrie, J. E., and Hudson.)

Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio. Joint. 1,985,781; Dec. 25.

Huscher, Nyron E. (See Nutting, H. S., Petrie, Croope, and Huscher.)

Huse, Charles A., Trenton, N. J., assignor of one-half to H. H. Weaver, New Hope, Pa. Electric gun or projectile propelling apparatus. 1,985,254; Dec. 25.

Hush, Foss C., Lincoln, Nebr. Clothes-line reel. 1,985,727; Dec. 25.

Hutt, Albert E., Pelham, N. Y. Combination day and sleeping passenger carrying vehicle. 1,985,607; Dec. 25.

Hydro-Heater Corporation, The. (See White, John C., assignor.)

Hynes, Lee P., Albany, N. Y. Apparatus for treating fluid mediums. 1,985,830; Dec. 25.

Hynes, Lee P., Philadelphia, Pa. Electric heater. 1,985,831; Dec. 25.

I. G. Farbenindustrie Aktiengesellschaft. (See Nuesslein, J., and Ulrich, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Suida, Hermann, assignor.)

Imperial Chemical Industries Limited. (See Haddock, N. H., and Lumsden, assignors.)

Imperial Chemical Industries Limited. (See Viggott, Henry A., assignor.)

Imrie, James E., and W. W. Hudson, Salt Lake City, Utah. Automatic stoker. 1,985,660; Dec. 25.

Ingersoll, George B., Dearborn, Mich., assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Ball and socket joint. 1,985,728; Dec. 25.

Ingersoll, George B., Dearborn, Mich., assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Ball and socket joint. 1,985,729; Dec. 25.

International Communications Laboratories, Inc. (See Smith, Rothwell E., assignor.)

International Harvester Company. (See Hand, Frederick E., assignor.)

International Harvester Company. (See Johnston, Edward A., assignor.)

International Harvester Company. (See Kriegbaum, G. M., and Haas, assignors.)

International Paper Company. (See Craig, G. E., and Walker, assignors.)

International Patents Development Company. (See Dival, Edgar F., assignor.)

International Resistance Company. (See Pugh, Alexander L., assignor.)

Intertype Corporation. (See Freund, Herman R., assignor.)

Irving Trust Company, temporary trustee. (See Horton, Albert J.)

Irving Trust Company, temporary trustee. (See Quick, C. G., Ball, and Whitehead, assignors.)

Irving Trust Company, temporary trustee. (See Tomlin, John R.)

Isaacs, William H. T., Great Bookham, England. Spark plug cleaning and setting tool. 1,985,410; Dec. 25.

Isbell, Horace S., Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce. Preparation of crystalline gluconic acid. 1,985,255; Dec. 25.

Isbell Porter Company. (See Warner, Arthur W., assignor.)

Isenberg, Stanley, Chicago, Ill. Bath spray. Des. 94,146; Dec. 25.

Isenberg, Stanley, Chicago, Ill. Bath spray. 1,985,502; Dec. 25.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photography. 1,985,730; Dec. 25.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photography in natural colors. 1,985,731; Dec. 25.

Jahouley, Joanny, London, England, assignor to Celanese Corporation of America. Textile machinery and appliances relating thereto. 1,985,782; Dec. 25.

Jackson, Robert W., Evanston, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Portable bar. 1,985,412; Dec. 25.

Jacobi, Millard W. (See Heise, A. C., and Jacobi.)

Jacobs Manufacturing Company, The. (See Stoner, Arthur M., assignor.)

Jacobus, Alvah B., Oak Park, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighing scales for concrete aggregates. 1,985,542; Dec. 25.

Jahrstorfer, Michael. (See Pungs, W., Jahrstorfer, and Hellthaler.)

Jamestown Metal Desk Company. (See Hanson, Rudolph L., assignor.)

Jandus, Herbert S. (See Short, B. M., and Jandus.)

Jandus, Herbert S., assignor to Lyon Cover Company, Detroit, Mich. Tire cover. 1,985,413; Dec. 25.

Jauch, Robert J., and R. H. Arnold, assignors to Wayne Company, Fort Wayne, Ind. Lift. 1,985,732; Dec. 25.

Jenkins, Charles F., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Axle generator with exciter. 1,985,679; Dec. 25.

Jereczek, Viktor, Tempelhof, near Berlin, Germany. Thread spindle gearing. 1,985,861; Dec. 25.

Jerome, Edwin R., Cranston, R. I., assignor to Victor Ring Traveler Company. Ring traveler. 1,985,608; Dec. 25.

Johnson, Arthur S. (See Chapin, H. L., and Johnson.)

Johnson, Herbert C., Chicago, Ill. Ice crusher. Des. 94,147; Dec. 25.

Johnson and Johnson. (See Nelson, E. R., and Thompson, assignors.)

Johnston, David W., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to The Flintkote Company, New York, N. Y. Road building composition and preparing same. 1,985,572; Dec. 25.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Receptacle for harvesters. 1,985,373; Dec. 25.

Jordan, Franz, Berlin-Charlottenburg, Germany. Manufacturing laminated metal bands. 1,985,783; Dec. 25.

Jordan, Franz, Berlin-Charlottenburg, Germany. Production of aluminium-plated zinc sheet. 1,985,784; Dec. 25.

Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,985,256; Dec. 25.

Joyner, Lanson B., assignor of one-half to S. C. Joyner, Pasadena, Calif. Fuel burning apparatus. 1,985,637; Dec. 25.

Joyner, Schuyler C. (See Joyner, Lanson B., assignor.)

Judd, Irvin H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Vehicle spring assembly. 1,985,414; Dec. 25.

Kalio Inc. (See Lieberknecht, Karl W., assignor.)

Kallmann, Heinz, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Signaling system. 1,985,415; Dec. 25.

Kane, Edmund J., Chicago, Ill. Power shovel mechanism. 1,985,876; Dec. 25.

Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)

Keiter, Edwin F., Cleveland, Ohio, assignor to National Carbon Company, Inc. Fuse. 1,985,350; Dec. 25.

Keller, Rex E., Beverly Hills, Calif. Automatic transmission. 1,985,503; Dec. 25.

Kellogg, Herbert C., Detroit, Mich., assignor to Temprite Products Corporation. Refrigerating apparatus. 1,985,785; Dec. 25.

Kelly, John T., Oak Park, Ill. Coupling. 1,985,349; Dec. 25.

Kensington, Incorporated. (See Guild, Lurelle, assignor.)

Kent Dish Washing Machine Company Limited. (See Rendle, V., and Cross, assignors.)

Kent, James A., Sacramento, Calif. Clock. Des. 94,148; Dec. 25.

Kernin, Alfred G., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Feeding black liquor to a smelting furnace. 1,985,504; Dec. 25.

Kerr, Charles, jr. (See Krapf, H. C., Kerr, and Nottage.)

Kerr, Charles, jr., Edgewood, A. H. Candee, Wilkinsburg, C. F. King, jr., Pittsburgh, E. L. Harder, Wilkinsburg, and A. McLanahan, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Head-end electric power supply for trains. 1,985,638; Dec. 25.

Kidder, U. P. M., Press Co. Inc. (See Sheppard, Joel F., assignor.)

Kilgour, Charles E., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Antenna and power supply switch. 1,985,506; Dec. 25.

Killian, George L., Los Angeles, Calif. Beehive construction. 1,985,543; Dec. 25.

Kimball, Wallace D., Jackson Heights, assignor to Standard-Knapp Corporation, Long Island City, N. Y. Paste applying mechanism. 1,985,293; Dec. 25.

Kimsey, Morton E., et al. (See Benroth, Julius S., assignor.)

King, Charles F., jr. (See Kerr, C., jr., Candee, King, Harder, and McLanahan.)

King, Charles F., jr., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric motor control for refrigerated cars. 1,985,639; Dec. 25.

Kinker, Clarence C., Toledo, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass blank transfer. 1,985,416; Dec. 25.

Kipper, Herman B., Accord, Mass. Digestion of vegetable growths to produce cellulose. 1,985,609; Dec. 25.

Király, Pál. (See Gebauer, F., and Király.)

Kirst, Leonard R. (See Tucker, J. O., and Kirst.)

Kislyn Corporation. (See Berthon, Rodolphe, assignor.)

Kitchens, Jennings B., Tucson, Ariz. Telegraph transmitter. 1,985,640; Dec. 25.

Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Knock-down spool. 1,985,505; Dec. 25.

Klaphake, Wolfgang. (See Meerwein, H., Ulffers, Erbe, Aichner, and Klaphake.)

Kneaskern, Albert, assignor to Beech-Nut Packing Company, Canajoharie, N. J. Gum wrapping machine. 1,985,832; Dec. 25.

Knudsen, Thomas C. (See Dahms, A. A., and Knudsen.)

Kock, Earl L., Chicago, Ill., assignor, by mesne assignments, to E. L. Koch Holding Corporation, New York, N. Y. Radio communication system. 1,985,417; Dec. 25.

Koch, Earl L., Holding Corporation. (See Koch, Earl L., assignor.)

Kocour, Emil J., assignor to Sloan Valve Company, Chicago, Ill. Flush valve. 1,985,257; Dec. 25.

Koenigkramer, Frank and F., Cincinnati, Ohio. Instrument stand. Des. 94,149; Dec. 25.

Koenigkramer, Frederick. (See Koenigkramer, Frank and F.)

Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Sealing element for fluid-pressure containers. 1,985,783; Dec. 25.

Kögl, Hans, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Saxony, Germany. Drenching hides. 1,985,661; Dec. 25.

Kohlhaas, John V., Philadelphia, Pa. Roof and floor construction. 1,985,786; Dec. 25.

Krapf, Herman C., Wilkinsburg, C. Kerr, jr., Edgewood, and S. G. Nottage, Murrysville, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating-current direct-current supply system for air-conditioned cars. 1,985,641; Dec. 25.

Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,985,294; Dec. 25.

Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Planter. 1,985,374; Dec. 25.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Tool for forming a dispensing opening in the end wall of a sealed container. 1,985,862; Dec. 25.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Manually operated key attaching means. 1,985,863; Dec. 25.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for attaching keys to containers. 1,985,864; Dec. 25.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Can opening and spout forming device. 1,985,865; Dec. 25.

Krueger, Elmer R., Indianapolis, Ind. Handle reenforcing cup. 1,985,375; Dec. 25.

L. G. S. Devices Corporation. (See Starkey, William C., assignor.)

La Clair, George A., Danielson, Conn. Fence. 1,985,322; Dec. 25.

La Maida, Thomas, Cleveland, Ohio. Combination suspensory. 1,985,507; Dec. 25.

Lampart, Hugo, Baden, assignor to Berlin-Karlsruher Industrie-Werke A. G., Karlsruhe, Germany. Making grooved sleeves. 1,985,833; Dec. 25.

Lankenau, Henry G., Verona, N. J., assignor to Noesting Pin Ticket Co. Inc., Mount Vernon, N. Y. Paper clip. 1,985,866; Dec. 25.

Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. 1,985,662; Dec. 25.

La Porte, Ralph P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding tool. 1,985,734; Dec. 25.

Lasell, Louis M., Sacramento, Calif. Sanitary garbage can. 1,985,508; Dec. 25.

Laucks, I. F., Inc. (See Davidson, G., Cone, Laucks, and Banks, assignors.)

Laucks, Irving F. (See Davidson, G., Cone, Laucks, and Banks.)

Lawrence, Jay B., Glen Ellyn, assignor to American Decalcomania Co., Chicago, Ill. Stamp, etc. 1,985,834; Dec. 25.

Laxo, Ed. (See Dodge, M. L., and Laxo.)

Le Bourveau, Harry V., New York, N. Y., assignor to Shell Development Company, San Francisco, Calif. Fill pipe locking device. 1,985,787; Dec. 25.

Lee, Frederick S., Los Angeles, Calif. Eye glass shade. Des. 94,150; Dec. 25.

Lee, Henry R., South Milwaukee, and E. C. Buxbaum, Shorewood Village, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of purpurin. 1,985,452; Dec. 25.

Lee, Roscoe F., assignor to Lee Transit Mixer Corporation, Indianapolis, Ind. Transit concrete mixer. 1,985,610; Dec. 25.

Lee Transit Mixer Corporation. (See Lee, Roscoe F., assignor.)

Lehmann, Ernst P. (See Schmidt, Hermann, assignor.)

Lemm, Bonnie E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 94,151; Dec. 25.

Lemm, Lester F., Lynwood, assignor to F. G. Breding, Huntington Park, Calif. Retractable landing light. 1,985,611; Dec. 25.

Lemont, Clarence J., assignor to Line Material Company, South Milwaukee, Wis. Cable anchor. 1,985,509; Dec. 25.

Levin, David, New York, N. Y. Shoe. Des. 94,152; Dec. 25.

Levine, Calman, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 94,153; Dec. 25.

Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Automatic stop for chucking machines. 1,985,612; Dec. 25.

Libbey Glass Manufacturing Company, The. (See Schutz, Harold R., assignor.)

Libbey-Owens-Ford Glass Company. (See S. Schafer, Conrad B., assignor.)

Lieberknecht, Karl W., Oberlungwitz, Germany, assignor to Kallo Inc., New York, N. Y. Flat knitting machine. 1,985,295; Dec. 25.

Lightfoot, Ewart H., Houston, Tex. Knockdown house. 1,985,789; Dec. 25.

Linde Air Products Company, The. (See Boshkoff, George J., assignor.)

Lindenberger, Henry, Chicago, Ill. Purifier for dry cleaning apparatus. 1,985,277; Dec. 25.

Lindenberger, Henry, Chicago, Ill. Dry cleaning apparatus. 1,985,376; Dec. 25.

Line Material Company. (See Lemont, Clarence J., assignor.)

Liston, Marc L. (See Victor, J. H., Liston, and Matusak.)

Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)

Loesser, Edwin C. (See Hickstein, W. L., and Loesser.)

Loew, Ira, Lynn, Mass. Window. 1,985,877; Dec. 25.

Lonergan Manufacturing Co., The. (See Finley, Harold L., assignor.)

Long Manufacturing Company. (See Herz, Ferdinand B., assignor.)

Lorenz, C., Aktiengesellschaft. (See Kallmann, Heinz, assignor.)

Lowery, Charley, Oklahoma City, Okla. Automatic cut-off for fluid lines. 1,985,663; Dec. 25.

Luedeke, Arthur W., Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Dehydration of synthetic resins. 1,985,453; Dec. 25.

Lumsden, Colin H. (See Haddock, N. H., and Lumsden.)

Lunati, Peter J., Memphis, Tenn. Automobile-servicing lift. 1,985,510; Dec. 25.

Lute, Carl, Hammond, Ind., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Elevating device for car doors. 1,985,867; Dec. 25.

Lyle, George B., San Mateo, Calif., assignor to Williams Brothers, Ltd. Container. Des. 94,154; Dec. 25.

Lyon Cover Company. (See Jandus, Herbert S., assignor.)

Lyon Cover Company. (See Short, B. M., and Jandus, assignors.)

Lyon, George A., Allenhurst, N. J. Construction for ornamenting rims. 1,985,378; Dec. 25.

Lyon, Norman W. (See Hoppe, W., and Lyon.)

Macalpine, William W., East Orange, N. J., assignor to Communication Patents, Inc., New York, N. Y. Electrical generator system. 1,985,735; Dec. 25.

Mackintosh-Hemphill Company. (See Ditges, William L., assignor.)

Maconaghie, Hugh A., Herrin, Ill. Car coupler. 1,985,379; Dec. 25.

Magnesium Development Corporation. (See Paine, Roy E., assignor.)

Maier, George M., Detroit, Mich. Radiator section. Des. 94,155; Dec. 25.

Maier, Wilburt F., Newark, N. J. Ribbon pad. 1,985,790; Dec. 25.

Mallory, Marion, Detroit, Mich., assignor to The Mallory Research Company, Toledo, Ohio. Mounting for circuit breakers. 1,985,573; Dec. 25.

Mallory Research Company, The. (See Mallory, Marion, assignor.)

Manning & Co. (See Anderson, Roy F., assignor.)

Manning, Howard H., assignor to Champion De Arment Tool Company, Meadville, Pa. Pliers. Des. 94,156; Dec. 25.

Mapes, Dwight B., Lincoln, assignor to Frankforter Oil Process, Inc., Omaha, Nebr. Process and apparatus for treating hydrocarbons. 1,985,680; Dec. 25.

Marcus, Julius, assignor to Arrow Distilleries, Inc., Detroit, Mich. Bottle. Des. 94,157; Dec. 25.

Mariani, Francesco, New York, N. Y. Macaroni machine. 1,985,574; Dec. 25.

Marischka, Carl. (See Bösner, F., and Marischka.)

Marti, Othmar K., Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric current rectifier. 1,985,511; Dec. 25.

Martin, Sidney G., Chicago, Ill. Molding means for concrete staves. 1,985,575; Dec. 25.

Marvel Investment Corporation. (See Maurel, Henry F., assignor.)

Mattes, Lee H. (See Hay, D. C., and Mattes.)

Matusak, Casmer. (See Victor, J. H., Liston, and Matusak.)

Maurel, Henry F., assignor to Maurel Investment Corporation, Providence, R. I. Oven for baking fuel briquettes. 1,985,512; Dec. 25.

Mauser, Wilhelm, Furth, assignor to W. Faltlhauser, Munich, Germany. Bottle closure. 1,985,258; Dec. 25.

Maust, Ernest J., assignor to The Dorr Company, Inc., New York, N. Y. Manufacture of cement. 1,985,868; Dec. 25.

Mayr, Hermann, Munich, Germany. Manufacturing of light nailable bricks. 1,985,737; Dec. 25.

McBee Company, The. (See Bloore, Ernest J., assignor.)

McBee Company, The. (See Rutkoskie, George A., assignor.)

McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Metal working device. 1,985,454; Dec. 25.

McCall, Thaddeus D., Imperial, Calif. Citrus fruit juice machine. 1,985,323; Dec. 25.

McCarroll, Sidney J., Rapid City, assignor of one-half to E. Birdsall, Deadwood, S. Dak. Agitator. 1,985,791; Dec. 25.

McCleery, Clyde F., Denver, Colo. Concentrator. 1,985,513; Dec. 25.

McCleery, Clyde F., Denver, Colo. Concentrator. 1,985,514; Dec. 25.

McCormick, J. H., & Co. (See Caldwell, William J., assignor.)

McCormick, J. H., & Co. (See Dodge, Harry H., assignor.)

McCulloch, Lucille. (See Colley, George F., assignor.)

McCullough, Frederick S., Edgewood, assignor to The Union National Bank of Pittsburgh, Pittsburgh, Pa. Envelope construction. 1,985,324; Dec. 25.

McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,985,418; Dec. 25.

McIlroy, Rupert B., and L. E. Baker, Moore Haven, Fla. Storm chart. 1,985,259; Dec. 25.

McIntyre, Gordon, and E. G. Ulbricht, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Stabilizing the color of naphthas. 1,985,613; Dec. 25.

McKenna Brass & Manufacturing Company, Inc. (See De Markus, Louis, assignor.)

McKeown, Samuel C. (See Van Deventer, H. R., and McKeown.)

McLanahan, Allen. (See Kerr, C., jr., Candee, King, Harder, and McLanahan.)

Meerwein, Hans, Marburg, F. Ulliers, and R. Erbe, Eberswalde, and F. Aichner and W. Klaphake, Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Catalyst. 1,985,792; Dec. 25.

Mennesson, Marcel, Neuilly-sur-Seine, assignor to the Société Anonyme de Construction de Materiel Automobile, S. A. C. M. A., Paris, France. Measuring apparatus. 1,985,576; Dec. 25.

Merrigan, William J., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif. Miter gauge. 1,985,614; Dec. 25.

Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,985,296; Dec. 25.

Michel, René, Argenteuil, Seine-et-Oise, France, assignor, by mesne assignments, to American Rolling Mill Company, Middletown, Ohio. Rolling mill. Re19,406; Dec. 25.

Micro Corporation, The. (See Simmons, Harl C., assignor.)

Miller, Osborn M., New York, N. Y. Stereoscopic plotting of contour maps. 1,985,260; Dec. 25.

Miller, Philip M., Cleveland, Ohio. Vehicle wheel. 1,985,351; Dec. 25.

Miller, Richard B., Cleveland, Ohio. Automobile wheel. 1,985,681; Dec. 25.

Miller, Richard B., Cleveland, Ohio. Motor vehicle wheel. 1,985,682; Dec. 25.

Millice, Paul S., Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Temporary safe. 1,985,869; Dec. 25.

Miner, W. H., Inc. (See Fuchs, Henry, assignor.)

Mishelevich, Benjamin, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,985,577; Dec. 25.

Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Container. 1,985,615; Dec. 25.

Modern Food Process Company. (See Vogt, Charles H., assignor.)

Modess Corporation, The. (See Hicks, Thomas E., assignor.)

Moody, Lewis F., Princeton, N. J. Adjustable clearance apparatus for compressors. 1,985,642; Dec. 25.

Morhan, John D. (See Voigt, A. P. J., Morhan, and Herbelin.)

Morsy, Cecile. (See Resnick, Benjamin, assignor.)

Morton, Harry E., assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Air conditioning utilizing carbon dioxide ice. 1,985,616; Dec. 25.

Morton, Harry E., assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Distributor head. 1,985,617; Dec. 25.

Masby, Gilbert H., Cincinnati, Ohio. Container for carbonated liquids. 1,985,455; Dec. 25.

Mosinee Paper Mills Company. (See Kernin, Alfred G., assignor.)

Mountjoy, Garrard. (See Seeley, S. W., and Mountjoy.)

Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Return bend joint. 1,985,544; Dec. 25.

Mullin, Michael J., Solvay, N. Y. Sewage disposal plant. 1,985,738; Dec. 25.

Munson, Willard T., Dunmore, assignor to H. E. and A. B. Collins, Scranton, Pa., copartners, doing business as Collins Supply & Equipment Co. Thread cleaner. 1,985,664; Dec. 25.

Munson, Willard T., Dunmore, assignor to H. E. and A. B. Collins, Scranton, Pa., copartners, doing business as Collins Supply & Equipment Co. Tension device. 1,985,665; Dec. 25.

Munson, Willard T., Dunmore, assignor to H. E. and A. B. Collins, Scranton, Pa., copartners, doing business under name and style of Collins Supply & Equipment Co. Flyer. 1,985,666; Dec. 25.

Murray, Albert L., Auburn, Ind. Rubber sole and heel. 1,985,578; Dec. 25.

Murray Iron Works Company. (See Dahlstrand, Josef Y., assignor.)

Murray, Paul, Brooklyn, N. Y. Vehicle body for barrels. 1,985,739; Dec. 25.

Napier Company, The. (See Campbell, Le Roy W., assignor.)

Nash, Albert A. A. (See Seninger, G., Goeke, Nash, and Dell'Orco.)

Nathan, Tracy D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Joint and making the same. 1,985,325; Dec. 25.

National Bread Wrapping Machine Co. (See Hoppe, W., and Lyon, assignors.)

National Carbon Company, Inc. (See Keifer, Edwin F., assignor.)

National Electric Heating Company, Inc. (See Carleton, Robert A., assignor.)

National Pigments and Chemical Company. (See Culling, C. R., and Baernstein, assignors.)

National Pigments and Chemical Company. (See Fisher, Elbert E., assignor.)

Nelson, Emanuel R., Glendale, and N. Thompson, Eagle Rock, Calif., assignors to Johnson and Johnson. Absorbent roll and producing same. 1,985,667; Dec. 25.

Nelson, George F., Berkeley, Calif. Treating metals. 1,985,456; Dec. 25.

Newman, J. Randolph, trustee. (See Auer, László, assignor.)

Nickerson, William H., Newton Center Mass. Shoe shaft stiffener. 1,985,545; Dec. 25.

Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Photo-oscillator-modulator system. 1,985,683; Dec. 25.

Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Panoramic television system. 1,985,684; Dec. 25.

Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Color television system. 1,985,685; Dec. 25.

Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Electrical repeater circuit. 1,985,686; Dec. 25.

Noesting Pin Ticket Co. Inc. (See Lankenau, Henry G., assignor.)

North American Rayon Corporation. (See Elssner, Richard, assignor.)

North American Rayon Corporation. (See Rathgeber, F., Schulz, Beplate, and Ruesch, assignors.)

Norton, Arthur J., and L. Sontag, assignors to General Plastics, Inc., North Tonawanda, N. Y. Artificial resin. 1,985,870; Dec. 25.

Norton, Raymond J., Washington, D. C., assignor to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Brake testing structure. 1,985,515; Dec. 25.

Nosarzewski, Waclaw, Chicago, Ill. Electric steam generator. 1,985,546; Dec. 25.

Nottage, Stanley G. (See Krapf, H. C., Kerr and Nottage.)

Novoa, Antonio E. (See Triana, Juan F., assignor.)

Nuesslein, Joseph, and H. Ulrich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Oiling and dressing fibers. 1,985,687; Dec. 25.

Numans, Johannes J., The Hague, Netherlands. Circuit arrangement for electrical amplifiers. 1,985,352; Dec. 25.

Nutting, Howard S., P. S. Petrie, D. H. Croope, and M. E. Huscher, assignors to The Dow Chemical Company, Midland, Mich. Separation of ethylene and preparation of alkyl halides from olefine mixtures. 1,985,457; Dec. 25.

Oakes Products Corporation. (See Fergueson, Arthur P., assignor.)

Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Wall telephone. Des. 94,158; Dec. 25.

O'Brien, Frank J., assignor to Continental Can Company, Inc., New York, N. Y. Forming an hermetically sealed easy opening container. 1,985,793; Dec. 25.

Ockman, Tobias. (See Ellis, G. H., Ockman, and Olpin.)

O'Hare, John J., North Brookfield, Mass., assignor to American Rubber Products Corporation, New York, N. Y. Compounding rubber and the like. 1,985,261; Dec. 25.

Ohio Injector Company of Illinois, The. (See Edwards, Frank W., assignor.)

Oilgear Company, The. (See Clute, Donald, assignor.)

Oilgear Company, The. (See Ferris, Walter, assignor.)

Olpin, Henry C. (See Ellis, G. H., Ockman, and Olpin.)

One Minute Washer Company. (See Weisbrod, Carl C., assignor.)

Ordin, Jack B. and P. H., Los Angeles, Calif. Beauty shop sign. Des. 94,159; Dec. 25.

Ordin, Philip H. (See Ordin, Jack B. and P. H.)

Orr, Howard H., Cleveland, Ohio. Valve bag and making the same. 1,985,326; Dec. 25.

Oswald, Alfred E., Hackensack, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Carriage driving and hammer returning means. 1,985,419; Dec. 25.

Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)

Otis Elevator Company. (See Prince, Arthur E., assignor.)

Otto, Albert T., & Sons. (See ter Meer, Gustav, assignor.)
Owens-Illinois Glass Company. (See Wheaton, Jack M., assignor.)
Oxley, Horace F. (See Thomas, E. B., Groombridge, and Oxley.)
Pacific Can Company. (See Douglass, Henry J., assignor.)
Package Machinery Company. (See Cornock, Edward F., assignor.)
Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Magnesium base alloy. 1,985,420; Dec. 25.
Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Magnesium base alloy. 1,985,421; Dec. 25.
Paragon Vaporizer Corporation, The. (See Zucrow, Maurice J., assignor.)
Parker, Alfred E., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,985,297; Dec. 25.
Parker, Edward H., Somerville, assignor to E. A. Taft, trustee, Boston, Mass. Knot-tying mechanism. 1,985,458; Dec. 25.
Parker Pen Company, The. (See Pfanstiehl, Carl, assignor.)
Parks, Robert F., Bakersfield, Calif. Oil saver. 1,985,327; Dec. 25.
Parlante, Frank, New York, N. Y. Shoe or similar article. Des. 94,160; Dec. 25.
Parr, Edward D., and E. L. Schwarte, assignors of one-third to A. G. Thies, Covington, Ky. Cake caddy and the like. 1,985,516; Dec. 25.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,985,688; Dec. 25.
Parsons, William, Manila, P. I. Plow. 1,985,618; Dec. 25.
Patent Engineering Corporation. (See Van Deventer, Harry R., assignor.)
Patent Engineering Corporation. (See Van Deventer, H. R., and McKeown, assignors.)
Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,985,422; Dec. 25.
Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,985,423; Dec. 25.
Peavey, Joseph L., Meridian, Miss. Glare shield. 1,985,668; Dec. 25.
Pecora, James. (See Smaldone, D., and Pecora.)
Pedersen, Axel V. (See Cates, V. K., Congreve, Pedersen, and Seaver.)
Peerless Laundry Services, Ltd. (See Singleton, W. E., and Chace, assignors.)
Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)
Perfection Stove Company. (See Chadwick, L. S., Resek, and Focke, assignors.)
Perkins, Alfred J., and F. J. Beckman, assignors to Emsbury Manufacturing Co., Warsaw, N. Y. Oil lantern. 1,985,517; Dec. 25.
Persons, Lawrence M., Clayton, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Humidifier. 1,985,689; Dec. 25.
Persson, Nils, and S. M. Bäckström, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,985,619; Dec. 25.
Petit, Jean F. G., Paris, assignor to Etablissements Labinal, Saint-Ouen (Seine), France. Engine starter. 1,985,794; Dec. 25.
Petrie, Peter S. (See Nutting, H. S., Petrie, Croope, and Huscher.)
Petroleum Conversion Corporation. (See Beardsley, E. W., and Colony, assignors.)
Petroleum Conversion Corporation. (See Beardsley, E. W., and Sachs, assignors.)
Pfannmuller, Julius. (See Wallerstein, L., and Pfannmuller.)
Pfanstiehl, Carl, Highland Park, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 1,985,643; Dec. 25.
Pfager, Harry M., St. Louis, Mo., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Hopper car. 1,985,380; Dec. 25.
Phelps, Joseph, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Copyholder. 1,985,740; Dec. 25.
Pierce, Jeremiah A. (See Connolly, G. C., and Pierce.)
Piggott, Henry A., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Alkyleneoxide derivatives of polyhydroxyalkyl-alkylamides. 1,985,424; Dec. 25.
Pilgrim, George J. M., Thornton Heath, Surrey, England, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,985,741; Dec. 25.
Pitts, George B. (See Cochrane, H. B., and Sprinchorn, assignors.)
Platt, Herbert. (See Dreyfus, C., and Platt.)
Platz, Karl. (See Steindorff, A., Daimler, and Platz.)
Pollock, Arthur R., assignor to The Toledo Bottle Cap Company, Toledo, Ohio. Machine for coating articles with paraffin or the like. 1,985,644; Dec. 25.
Pooler, Louis G., assignor to Communication Patents, Inc., New York, N. Y. Television system. 1,985,690; Dec. 25.
Prat-Daniel Corporation. (See Whiton, Louis C., assignor.)
Prather, Graham P. (See Haskell, J. D., and Prather.)
Pratt, Goodrich B., assignor to Bond Electric Corporation, Jersey City, N. J. Flash light. 1,985,459; Dec. 25.
Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,985,425; Dec. 25.
Prestinari, Eugen, Summit, N. J., assignor to Gemex Company. Extensible buckle. 1,985,835; Dec. 25.
Prestinari, Eugen, Summit, N. J., assignor to Gemex Company. Bracelet buckle. 1,985,836; Dec. 25.
Prielipp, Walther, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Sheet piling. 1,985,795; Dec. 25.
Prince, Arthur E., Merrick, assignor to Otis Elevator Company, New York, N. Y. Guiding means for doors. 1,985,298; Dec. 25.
Pugh, Alexander L., jr., Pomona, N. Y., assignor to International Resistance Company, Philadelphia, Pa. Resistor. 1,985,691; Dec. 25.
Pullen, Harry, Easton, assignor to Fireside Players, Incorporated, Baltimore, Md. Musical instrument. Des. 94,161; Dec. 25.
Pullen, Rodney S., assignor to Pullenlite Company, Philadelphia, Pa. Internal scratcher for match boxes. 1,985,837; Dec. 25.
Pullenlite Company. (See Pullen, Rodney S., assignor.)
Pungs, Wilhelm, Cologne-on-the-Rhine, M. Jahrstorfer, Mannheim-on-the-Rhine, and T. Hellthaler, Granschutz, near Weissenfels, assignors to A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle (Salle), Germany. Treating Montan wax. 1,985,871; Dec. 25.
Putman, Solomon, Newark, N. J. Buckle. Des. 94,162; Dec. 25.
Pyzel, Daniel, Piedmont, assignor to Shell Development Company, San Francisco, Calif. Removal of acetylene. 1,985,548; Dec. 25.
Quackenboss, Frederick W., Kansas City, Mo. Packing carton. 1,985,549; Dec. 25.
Quick, Cecil G., D. A. Ball, and W. A. Whitehead, London, England, assignors to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism. 1,985,547; Dec. 25.
Radio Corporation of America. (See Seeley, S. W., and Mountjoy, assignors.)
Raggio, Maynard H., Chicago, Ill. Drawer device. 1,985,550; Dec. 25.
Ragsdale, Elbert C., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Removal of foots from crude oil. 1,985,426; Dec. 25.
Railway Utility Company. (See Hartwig, William G., assignors.)
Raphael, Olivins A., Los Angeles, Calif. Refectory table. 1,985,620; Dec. 25.
Rathgeber, Ferdinand, Arnhem, Holland, W. Schulz, V. Beplate, and A. Ruesch, Sydowsau, near Stettin, Germany, assignors to North American Rayon Corporation, New York, N. Y. Arrangement for the wet treatment of spinning cakes, etc. 1,985,621; Dec. 25.
Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,985,460; Dec. 25.
Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,985,461; Dec. 25.
Raytheon Manufacturing Company. (See Fleming, Wilfred K., assignor.)
Rea Magnet Wire Company, Inc. (See Rea, Victor F., assignor.)
Rea, Victor F., Fort Wayne, Ind., assignor to Rea Magnet Wire Company, Inc. Spool structure. 1,985,742; Dec. 25.
Reardon, Harvey J., Chicago, Ill. Printer's apparatus. 1,985,551; Dec. 25.
Recker, Adolph C., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Portable flash light. Des. 94,163; Dec. 25.
Reeves, Paul B. (See Brooks, H. E., and Reeves.)
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Spinning frame drive. 1,985,838; Dec. 25.
Reeves Pulley Company. (See Brooks, H. E., and Reeves, assignors.)
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Reich, Samuel, Brooklyn, N. Y. Folding egg box. 1,985,579; Dec. 25.
Reichel, John, and H. A. Cheplin, assignors to Sharp & Dohme, Inc., Philadelphia, Pa. Lactobacilli, fruit, and vegetable juices. 1,985,622; Dec. 25.
Remington Rand, Inc. (See Phelps, Joseph, assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Remington Typewriter Company. (See Pilgrim, George J. M., assignor.)
Rendle, Valdemar, Pembury, near Tunbridge Wells, and W. C. Cross, assignors to The Kent Dish Washing Machine Company Limited, Tunbridge Wells, England. Flow controlling means for dishwashers. 1,985,580; Dec. 25.
Renshaw, Joseph H., Cincinnati, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Can opening and spout forming device. 1,985,796; Dec. 25.
Resek, Marc. (See Chadwick, L. S., Resek, and Focke.)
Resnick, Benjamin, assignor of one-half to Cecile Morsy, Brooklyn, N. Y. Combination comb and brush. 1,985,797; Dec. 25.
Revrolle, A., & Company, Limited. (See Christie, J., and Donkin, assignors.)
Rhodes, Harold A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Reduction of disturbing voltages in electric circuits. 1,985,353; Dec. 25.

Richards, George, Chicago, Ill. Ice cream freezer. 1,9854,381; Dec. 25.
Richardson, William H., Hamden, Conn. Flexible ferrule. 1,985,427; Dec. 25.
Richter, William, Miami, and P. Fray, Tampa, Fla. Fire protection apparatus. 1,985,798; Dec. 25.
Riebeck'sche, A., Montanwerke Aktiengesellschaft. (See Pungs, W., Jahrstorfer, and Hellthaler, assignors.)
Ritchie, Charles. (See Wilson, H., and Ritchie.)
Roberts, Claudius H. M., Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,985,692; Dec. 25.
Robinson, Rochfort W., San Antonio, Tex. Variable spacing feed mechanism for typewriting machines. 1,985,581; Dec. 25.
Robinson, Thomas L., Valparaiso, Ind. Roller bearing. 1,985,693; Dec. 25.
Roché, Jean A., Dayton, Ohio. Constructing aircraft structures. 1,985,262; Dec. 25.
Röhm & Haas Company. (See Blackadder, Thomas, assignor.)
Roseman, Leo, Newark, N. J. Machine for sewing fastener tape and the like. 1,985,743; Dec. 25.
Rosenbaum, David, Detroit, Mich. Combination tent. 1,985,694; Dec. 25.
Rosenberg, Ralph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Clinching ferrules in hollow wheels. 1,985,695; Dec. 25.
Roser, Louis A. (See Shepherd, M. S., and Wiley, assignors.)
Rosner, Adolph, Rockton, Ill., assignor to Bendix Research Corporation, South Bend, Ind. Driving mechanism. 1,985,645; Dec. 25.
Ross, Carroll A., Piqua, Ohio. Multiple electrode liquid heater. 1,985,623; Dec. 25.
Ross, Oscar A., New York, N. Y. Sound motion picture projection apparatus. 1,985,552; Dec. 25.
Rotary Furnaces Limited. (See Garreau, Henri, assignor.)
Rowley, Frederick L., St. Paul, Minn. Automatic brake governor. 1,985,744; Dec. 25.
Roy, Clarence H., assignor of one-fourth to W. J. Wesseler, East Cleveland, Ohio. Reenforced concrete structure. 1,985,745; Dec. 25
Royden, Herbert N., West Los Angeles, Calif. Ice vending machine. 1,985,518; Dec. 25.
Ruben, Samuel, New Rochelle, N. Y. Vacuum tube circuit. 1,985,519; Dec. 25.
Rubenstein, Joseph. (See Beach, Frederick A., assignor.)
Ruesch, Adolf. (See Rathgeber, F., Schulz, Beplate, and Ruesch.)
Ruff, Wolfram, Breslau, Germany. Making cast iron. 1,985,553; Dec. 25.
Rutkoskie, George A., assignor to The McRee Company, Athens, Ohio. Sheet fed rotary press. 1,985,839; Dec. 25.
Rutten, Peter, Osakis, Minn. Building unit and structure. 1,985,328; Dec. 25
Sachs, Albert P. (See Beardsley, E. W., and Sachs.)
Sadtler, Samuel S., Erdenheim, Pa. Smoking tobacco. 1,985,840; Dec. 25.
Samson, Jonas J., Chicago, Ill. Obtaining directional control on a current relay. 1,985,299; Dec. 25.
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samuel, Leo, Irvington, N. J. Liquid cooling apparatus. 1,985,263; Dec. 25.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Coffee maker. Des. 94,164; Dec. 25.
Samuels, Julian G., St. Louis, Mo. Shoe or article of analogous nature. Des. 94,165; Dec. 25.
Samuels, Julian G., St. Louis Mo. Shoe or article of analogous nature. Des. 94,166; Dec. 25.
Samuels, Julian G., St. Louis, Mo. Shoe or article of analogous nature. Des. 94,167; Dec. 25.
Samuels Shoe Company. (See Benenati, Frank, assignor.)
Sanford, Roy S., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Declutching mechanism. 1,985,428; Dec. 25.
Saunders, James A., et al. (See Benroth, Julius S., assignor.)
Schachter, Nathan, Chicago, Ill. Faucet. 1,985,382; Dec. 25.
Schafer, Conrad B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for use in the cutting of laminated glass. 1,985,520; Dec. 25.
Schapiro, Georg, Berlin, Germany. Method of and machine for producing bundled small wood. 1,985,462; Dec. 25.
Scheifele, Frederick W., Audubon, N. J. Oil burner. 1,985,799; Dec. 25.
Schell, Charles J., assignor to Schell Leather Goods Company, Cincinnati, Ohio. Flat-opening case. 1,985,521; Dec. 25.
Schell Leather Goods Company. (See Schell, Charles J., assignor.)
Scherer, Carl, Albany, Calif. Wall paper trimming and pasting machine. 1,985,522; Dec. 25.
Schering-Kahlbaum A. G. (See Meerwein, H., Ulffers, Erbe, Aichner and Klaphake.)
Schiess-Defries Aktiengesellschaft. (See Vogler, Herman, assignor.)
Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,985,624; Dec. 25.
Schlegel Manufacturing Company, The. (See Schlegel, Charles F., assignor.)
Schmidt, Hermann, Berlin-Reinickendorff-Ost, assignor to E. P. Lehmann, Brandenburg/Havel, Germany. Spinning top toy. 1,985,463; Dec. 25.
Schön, Karl, Wurzburg, Germany. Sluice weir. 1,985,872; Dec. 25.
Schulz, Walter. (See Rathgeber, E., Schulz, Beplate, and Ruesch.)
Schumacher, F., & Co. (See Duval, Edward A., assignor.)
Schutz, Harold R., Ottawa Hills, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Banding machine. 1,985,800; Dec. 25.
Schwarte, Edward L. (See Parr, E. D., and Schwarte.)
Schwinger, Abraham, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Inc. Fixture hanger. 1,985,582; Dec. 25.
Scocca, Joseph, Menands, N. Y. Hair curler. 1,985,329; Dec. 25.
Scovill Manufacturing Company. (See Barratt, Joseph, assignor.)
Scovill Manufacturing Company. (See Mitchell, August, assignor.)
Seagram, Joseph E., & Sons, Inc. (See Levine, Calman, assignor.)
Sears, Joseph M., San Antonio, Tex. Device for maintaining vegetables fresh. 1,985,464; Dec. 25.
Seaver, Edward D. (See Cates, V. K., Congreve, Pedersen, and Seaver.)
Secretary of Commerce. (See Isbell, Horace S., assignor.)
Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany. Combining hardenable phenol aldehyde condensation products and air drying oils. 1,985,264; Dec. 25.
Seeley, Stuart W., and G. Mountjoy, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving set. 1,985,696; Dec. 25.
Seninger, Frank, F. A. Goeke, A. A. A. Nash, and L. A. Dell'Orco, St. Louis, Mo. Builder's tool or implement. 1,985,383; Dec. 25.
Settergren, Bror K., Bluffton, Ind. Piano construction. 1,985,746; Dec. 25.
Sharpe & Dohme, Inc. (See Reichel, J., and Cheplin, assignors.)
Shaw, Louis E., East Orange, N. J., assignor to Adartcraft, Incorporated, New York, N. Y. Embossing. 1,985,300; Dec. 25.
Sheehan, Joseph, Charbon, Australia. Ball or tube mill. 1,985,801; Dec. 25.
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,985,384; Dec. 25.
Shell Development Company. (See Le Bourveau, Harry V., assignor.)
Shell Development Company. (See Pyzel, Daniel, assignor.)
Shepherd, Milton S., and F. C. Wiley, assignors of one-third to L. A. Roser, Salt Lake City, Utah. Compressor. 1,985,841; Dec. 25.
Sheppard, Joel F., assignor to U. P. M. Kidder Press Co. Inc., Dover, N. H. Transferring apparatus. 1,985,802; Dec. 25.
Shimadzu, Genzo, Kyoto, Japan. Continuous production of lead oxides in the dry state. 1,985,465; Dec. 25.
Shipman, Lester E., Kew Gardens, N. Y. Binder. 1,985,583; Dec. 25.
Short, Bladen M., and H. S. Jandus, assignors to Lyon Cover Company, Detroit, Mich. Tire cover. 1,985,429; Dec. 25.
Silica Gel Corporation, The. (See Connolly, G. C., and Pierce.)
Simmons, Harl C., Davenport, assignor to The Micro Corporation, Bettendorf, Iowa. Sliced bread wrapping table. 1,985,466; Dec. 25.
Simmons, R. F., Company. (See Feld, Charles.)
Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
Singleton, William E., and W. M. Chace, jr., assignors to Peerless Laundry Services, Ltd., Los Angeles, Calif. Collar support for shirts. 1,985,523; Dec. 25.
Sjoberg, Henry A. E. (See Fenner, J. O., and Sjoberg.)
Sjögren, Charl. Wessington Springs, S. Dak. Metallic clip forming machine. 1,985,646; Dec. 25.
Sjölander, Carl G. L., Gottenborg, Sweden. Apparatus for bending sheet or strip metal. 1,985,385; Dec. 25.
Skinner, Bronson C., Dunedin, assignor to Brogdex Company, Winter Haven, Fla. Treatment of fresh fruit in preparation for market. 1,985,842; Dec. 25.
Skinner, Bronson C., Dunedin, assignor to Brogdex Company, Winter Haven, Fla. Coating apparatus. 1,985,843; Dec. 25.
Skinner, Clifton R., Palo Alto, Calif. Sound recording system. 1,985,584; Dec. 25.
Skulavik, John. (See Andrasik, J., and Skulavik.)
Sloan Valve Company. (See Kocour, Emil J., assignor.)
Smaldone, Daniel, and J. Pecora, Hazleton, Pa. Toy pinwheel. 1,985,467; Dec. 25.
Smith, Arthur W., Rochester, N. Y. Photographic developing apparatus. 1,985,554; Dec. 25.
Smith, Earl K. (See Edwards, D. V., and Smith.)
Smith, Marshall A., assignor to Bendix Aviation Corporation, South Bend, Ind. Bearing. 1,985,386; Dec. 25
Smith, Robert H., U. S. Navy. Aircraft navigational instrument. 1,985,265; Dec. 25.

Smith, Robert H., and J. P. Vest, U. S. Navy. Aircraft navigational instrument. 1,985,266; Dec. 25.
Smith, Rothwell E., Westfield, N. J., assignor to International Communications Laboratories, Inc., New York, N. Y. Carrier telegraph system. 1,985,430; Dec. 25.
Smith, William B., Washington, D. C. Drain trap priming device. 1,985,647; Dec. 25.
Société Anonyme de Construction de Materiel Automobile, S. A. C. M. A. (See Mennesson, Marcel, assignor.)
Société d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Bornhauser, Oscar, assignor.)
Societe Francaise de Construction de Beunes Automatiques. (See Allard, Pierre J. M. T., assignor.)
Soden, Fred H., assignor to Continental Optical Company, Inc., Rochester, N. Y. Bridge for eyeglasses. Des. 94,168; Dec. 25.
Solomon, Nathan L., Brooklyn, N. Y. Wave presser. 1,985,431; Dec. 25.
Sontag, Lothar. (See Norton, A. J., and Sontag.)
Sperry Gyroscope Company Inc. (See Wittkuhns, Bruno A., assignor.)
Sperry Products, Inc. (See Braddon, Fred D., assignor.)
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Sprinchorn, Ulrich. (See Cochrane, H. B., and Sprinchorn.)
Spire, William H., Cleveland, Ohio, assignor to Thompson Products, Inc. Electric metal gathering machine. 1,985,803; Dec. 25.
Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Valve tip hardening machine and method. 1,985,804; Dec. 25.
Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Valve tip hardening machine. 1,985,805; Dec. 25.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. System for delivering sheet material. 1,985,524; Dec. 25.
Staley, A. E., Manufacturing Company. (See French, A. H., and Gill, assignors.)
Staley, A. E., Manufacturing Company. (See Ragsdale, Elbert C., assignor.)
Standard-Knapp Corporation. (See Kimball, Wallace D., assignor.)
Standard Oil Development Company. (See McIntyre, G., and Ulbricht, assignors.)
Stangl, Johann M., Flemington, assignor to Fulper Pottery Company, Trenton, N. J. Dish. Des. 94,169; Dec. 25.
Stanitz, Jacques, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Brake drum. 1,985,525; Dec. 25.
Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,985,287; Dec. 25.
Starr, Emil M., Pasadena, Calif., assignor to A. E. Feragen, Inc., Seattle, Wash. Wheel gauge. 1,985,330; Dec. 25.
Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Fruit waxing and polishing machine. 1,985,555; Dec. 25.
Stecher, Charles, Chicago, Ill. Drying machine. 1,985,697; Dec. 25.
Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 94,170; Dec. 25.
Steigerwald, Albert P. (See Steigerwald, Edward S. and A. P.)
Steigerwald, Edward S. and A. P., Cleveland, Ohio. Convertible rest. 1,985,807; Dec. 25.
Steindorff, Adolf, K. Daimler, and K. Platz, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ether-like constituted compound having wetting, dispersing, emulsifying, and washing properties. 1,985,747; Dec. 25.
Stence, Jesse R., Greggton, Tex. Tie rod end construction. 1,985,354; Dec. 25.
Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Calendar clock. 1,985,388; Dec. 25.
Stern, Gustave, Charenton, France. Arrangement for transferring gaseous liquids under counterpressure. 1,985,355; Dec. 25.
Stern, William, Los Angeles, Calif. Finger ring or similar article. Des. 94,171; Dec. 25.
Stockton, McKinley, Redondo Beach, assignor to The Dicalite Company, Los Angeles, Calif. Heat treatment of diatomaceous earth. 1,985,526; Dec. 25.
Stone, Charles F., Upper Darby, Pa. Delivery box for such articles as cigars and cigarettes. 1,985,585; Dec. 25.
Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Drill chuck. 1,985,586; Dec. 25.
Storrs, Robert W., jr., Richmond, Va. Collapsible tube, container, and receptacle. 1,985,587; Dec. 25.
Stowe, Loyd R., Shaker Heights, Ohio. Stoker. 1,985,625; Dec. 25.
Strang, Edward, Glendale, Calif. Towline. 1,985,468; Dec. 25.
Sturtevant, B. F., Company. (See Allen, George W., assignor.)
Sturtevant, B. F., Company. (See Foss, Benjamin S., assignor.)
Sturtevant, B. F., Company. (See Morton, Harry E., assignor.)
Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New intermediate product for azodyestuffs. 1,985,550; Dec. 25.
Sulda, Hermann, Vienna, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of aromatic hydrocarbons containing unsaturated side chains. 1,985,844; Dec. 25.
Suiter, Jay A., assignor to R. B. Griffin, Washington, D. C. Gear shift lever horn button system. 1,985,808; Dec. 25.
Sullivan Machinery Company. (See Allen, Morris C., assignor.)
Summerbell Truss Co. (See Cates, V. K., Congreve, Pedersen, and Seaver, assignors.)
Svenson, Ernest J., Rockford, Ill. Hydraulic system. 1,985,748; Dec. 25.
Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Dual wheel and demountable rim. 1,985,749; Dec. 25.
Swan, Joseph H., 3d, assignor to The Gardner-Richardson Company, Middletown, Ohio. Paper manufacture. 1,985,698; Dec. 25.
Sweet, Harold E. (See Feld, Charles, assignor.)
Swenson, Carl E., Rockford, Ill. Making universal joints. 1,985,531; Dec. 25.
Swenson, Carl E., Rockford, Ill. Universal joint. 1,985,669; Dec. 25.
Swimsafe Products Company. (See Hall, George L., assignor.)
Sykes, George, Los Angeles, Calif. Ripe fruit corrugated packing tray. 1,985,670; Dec. 25.
Symington Company, The. (See Barrows, Donald S., assignor.)
Symington Company, The. (See Casey, Howard T., assignor.)
Symington, T. H., & Son, Inc. (See Symington, Thomas H., assignor.)
Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway car truck bolster. 1,985,469; Dec. 25.
Taft, Edward A., trustee. (See Parker, Edward H., assignor.)
Tanzi, Guido, Brooklyn, N. Y., assignor, by mesne assignments, to B. Filippone & Co. Inc., Passaic, N. J. Macaroni. Des. 94,172; Dec. 25.
Tatter, John W., Detroit, Mich. Brake. 1,985,588; Dec. 25.
Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,985,671; Dec. 25.
Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,985,672; Dec. 25.
Taylor, Henry P., Winston-Salem, N. C. Tobacco press. 1,985,626; Dec. 25.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Taylor Instrument Companies. (See Hubbard, Karl H., assignor.)
Taylor, William H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Height measuring rod for scales. 1,985,527; Dec. 25.
Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston. 1,985,699; Dec. 25.
Temprite Products Corporation. (See Kellogg, Herbert C., assignor.)
Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Mechanism for controlling the operation of machines and apparatus. 1,985,589; Dec. 25.
Ternstedt Manufacturing Company. (See Lemm, Bonnie E., assignor.)
Thaheld, Feri A., and C. S. Crickmer, Dallas, Tex., assignors, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del. Air and fuel controlling means for internal combustion engines. 1,985,528; Dec. 25.
Thelander, Carl A. and W. V., Rockford, Ill. Friction clutch. 1,985,301; Dec. 25.
Thelander, W. V. (See Thelander, Carl A. and W. V.)
Thies, Anthony G. (See Parr, E. D., and Schwarte, assignors.)
Thomas, Arthur, Thornton Heath, and F. G. S. English, West Croydon, assignors to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Paper feed mechanism for tabulating or other printing machines. 1,985,331; Dec. 25.
Thomas, Edward B., W. H. Groombridge, and H. F. Oxley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Preparation of acetic acid. 1,985,750; Dec. 25.
Thomas, William M., Los Angeles, Calif. Projector system and detail. 1,985,470; Dec. 25.
Thomas, William M., Los Angeles, Calif. Attachment for projecting apparatus. 1,985,471; Dec. 25.
Thompson, Nat. (See Nelson, E. R., and Thompson.)
Thompson Products, Incorporated. (See Hufferd, G. H., and Graham, assignors.)
Thompson Products, Incorporated. (See Ingersoll, George B., assignor.)
Thompson Products, Incorporated. (See Spire, William H., assignor.)
Timen, Paul, and J. Acito, New York, N. Y. Loss-preventing earring. 1,985,809; Dec. 25.

Timken-Detroit Axle Company, The. (See Buckendale, Laurence R., assignor.)
Tobin, Kenneth J. (See Lute, C., and Tobin.)
Todd, Francis B., assignor to T. Todd, Attalla, Ala. Bale tie buckle. 1,985,529; Dec. 25.
Todd, Toy. (See Todd, Francis B., assignor.)
Toledo Bottle Cap Company, The. (See Pollock, Arthur R., assignor.)
Tomlin, John R., Alexandria, Va., assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Plate holding means for printing presses. 1,985,627; Dec. 25.
Tretbar, Edward F., jr., Camden, N. J. Apparatus for kerfing blocks for printing. 1,985,302; Dec. 25.
Tretolite Company. (See De Groote, Melvin, assignor.)
Tretolite Company. (See Roberts, Claudius H. M., assignor.)
Triana, Juan F., Habana, assignor of one-half to A. E. Novon, Marianao, Habana, Cuba. Apparatus for polishing explosion engine valves. 1,985,648; Dec. 25.
Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Selective filter system. 1,985,303; Dec. 25.
Trotter, Henry R., assignor to Hacker Manufacturing Company, Chicago, Ill. Power cylinder precision proof press. 1,985,845; Dec. 25.
Trowbridge, Miles L., Pomona, assignor to Brogdex Company, Los Angeles, Calif. Coating fresh fruit in preparation for market. 1,985,846; Dec. 25.
Tubbs, William B., Chicago, Ill., assignor to Hollywood Cone Waving Company, Saginaw, Mich. Hair curling apparatus. 1,985,472; Dec. 25.
Tucker, James O., and L. R. Kirst, New Orleans, La. Pneumatic cushion mattress or the like. 1,985,432; Dec. 25.
Tunney, Thomas J., et al. (See Benroth, Julius S., assignor.)
Turner, Albert, Shrewsbury, Mass., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,985,433; Dec. 25.
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Ulbricht, Ernst G. (See McIntyre, G., and Ulbricht.)
Ulfers, Fritz. (See Meerwein, H., Ulfers, Erbe, Aichner, and Klaphake.)
Ulrich, Heinrich. (See Nuesslein, J., and Ulrich.)
Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Locking mechanism for binders. 1,985,700; Dec. 25.
Union Bank and Trust Co. of Los Angeles, administrator. (See Delaney, John H.)
Union National Bank of Pittsburgh, The. (See McCullough, Frederick S., assignor.)
Union Switch & Signal Company, The. (See Mishelevich, Benjamin, assignor.)
United Elastic Corporation. (See Conant, Stanley F., assignor.)
United Shoe Machinery Corporation. (See Chapin, H. L., and Johnson, assignors.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United States Electrical Manufacturing Company. (See Heyer, Don, assignor.)
United States Envelope Company. (See Goder, Max, assignor.)
Urich, Benjamin, Milwaukee, Wis. Merchandise display stand. 1,985,530; Dec. 25.
Vail, Edgar L., New York, N. Y. Combined rear vision and clock. 1,985,873; Dec. 25.
Vail, George S. (See Ayers, A. R., and Vail.)
Valentine, Louis L. (See Wilson, Edwin W., assignor.)
Valley Shoe Corporation. (See Weinstat, Samuel, assignor.)
Vancil, Edgar D., Cincinnati, and H. J. Dods, Montgomery, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,985,434; Dec. 25.
Van Cleef Brothers. (See Van Cleef, Paul, assignor.)
Van Cleef, Paul, assignor to Van Cleef Brothers, Chicago, Ill. Cutting apparatus. 1,985,356; Dec. 25.
Vandercook, David D. (See Vandercook, Robert O., E. O., F. R., and D. D.)
Vandercook, Edward O. (See Vandercook, Robert O., E. O., F. R., and D. D.)
Vandercook, Frederick R. (See Vandercook, Robert O., E. O., F. R., and D. D.)
Vandercook, Robert O., E. O., F. R., and D. D., Chicago, Ill. Proof press. 1,985,701; Dec. 25.
Van Deventer, Harry R., New York, N. Y., assignor to Patent Engineering Corporation. Sound reproducing device. 1,985,390; Dec. 25.
Van Deventer, Harry R., New York, and S. C. McKeown, Mount Vernon, N. Y., assignors to Patent Engineering Corporation. Sound reproducing device. 1,985,389; Dec. 25.
Vegren, Conrad R., assignor to Camel Company, Chicago, Ill. Door mechanism. 1,985,847; Dec. 25.
Vereinigte Stahlwerke Aktiengesellschaft. (See Prielipp, Walther, assignor.)
Vest, John P. W. (See Smith, R. H., and Vest.)
Vickers (Aviation) Limited. (See Wallis, Barnes N., assignor.)
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,985,473; Dec. 25.
Victor, John H., Evanston, M. L. Liston, Elmhurst, and C. Matusak, Cicero, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Grease retainer. 1,985,474; Dec. 25.
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,985,475; Dec. 25.
Victor Manufacturing & Gasket Company. (See Victor, John H., assignor.)
Victor Manufacturing & Gasket Company. (See Victor, J. H., Liston, and Matusak, assignors.)
Victor Ring Traveler Company. (See Jerome, Edwin R., assignor.)
Vischer, Alfred, jr., Ridgewood, N. J. Propulsion device. 1,985,391; Dec. 25.
Vogel, Max, Frankfort-on-the-Main, Germany. Match case. 1,985,751; Dec. 25.
Vogelleitner, Henry, New York, N. Y. Spinning game board. Des. 94,173; Dec. 25.
Vogler, Hermann, assignor to Schiess-Defries Aktiengesellschaft, Dusseldorf, Germany. Apparatus for machining propeller blades. 1,985,752; Dec. 25.
Vogt, Charles H., assignor to Modern Food Process Company, Philadelphia, Pa. Encased meat loaf. Des. 94,174; Dec. 25.
Volgt, Albert P. J., J. D. Morhan, and F. J. Herbe'in, Galveston, Tex. Buckle and strap for cotton bales. 1,985,476; Dec. 25.
Voss, George E., St. Louis, Mo. Hoop roller. 1,985,557; Dec. 25.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. Des. 94,175; Dec. 25.
Vuillemenot, Frédéric A., Toledo, Ohio. Perfume dispenser or similar article. Des. 94,176; Dec. 25.
Wachowitz, Walter J., assignor to Alloy Products Corp., Waukesha, Wis. Tank. 1,985,702; Dec. 25.
Wachter, Lester. (See Anthony, W. C., and Wachter.)
Waddey, George I. (See Holderfield, Horace C., assignor.)
Wagner, Frederick P. (See Brauer, A. J., and Wagner.)
Walker, William J. (See Craig, G. E., and Walker.)
Wall, George T. (See Crumley, J. A., and Wall.)
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electric motor apparatus. 1,985,357; Dec. 25.
Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)
Wallerstein Company, Inc. (See Wallerstein, L., and Pfannmuller, assignors.)
Wallerstein, Leo, New York, and J. Pfannmul'er, Stapleton, assignors to Wallerstein Company, Inc., New York, N. Y. Depilating hides. 1,985,267; Dec. 25.
Wallis, Barnes N., assignor to Vickers (Aviation) Limited, Weybridge, England. Construction of wings for aircraft. 1,985,649; Dec. 25.
Ward, David R., deceased, Struthers; H. B. Ward, administratrix, assignor to H. B. Ward, individually, Cleveland, Ohio. Coated sheet and producing same. 1,985,332; Dec. 25.
Ward, Helen B., administratrix. (See Ward, David R.)
Warner, Arthur W., Media, Pa., assignor to Isbell Porter Company, Newark, N. J. Coking retort. 1,985,304; Dec. 25.
Watmough, William N., jr. (See Wight, E. H., Andersen, and Watmough.)
Watson, Robert B., Whitehaven, Tenn. Water purification and supply system. 1,985,435; Dec. 25.
Wayne Company. (See Jauch, R. J., and Arnold, assignors.)
Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
Wean Engineering Company, Incorporated, The. (See Evans, Archibald D., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Company, Incorporated, Warren, Ohio. Method and apparatus for rolling sheets. 1,985,848; Dec. 25.
Weaver, H. H. (See Huse, Charles A., assignor.)
Weinstat, Samuel, New York, N. Y., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. Des. 94,177; Dec. 25.
Weisbrod, Carl C., assignor to One Minute Washer Company, Newton, Iowa. Washing machine tub. Des. 94,178; Dec. 25.
Weiss, Arthur J., St. Albans, assignor to Robert Gair Company, Inc., New York, N. Y. Reclosable carton. 1,985,590; Dec. 25.
Weiss, Carl W., Brooklyn, N. Y. Milling machine. 1,985,753; Dec. 25.
Welsh, John T., Ridgway, Pa. Separation of oil. 1,985,591; Dec. 25.
Wesseler, William J. (See Roy, Clarence H., assignor.)
Western Union Telegraph Company, The. (See Beardsley, Bruce, assignor.)
Westinghouse Electric & Manufacturing Company. (See Forsthoefel, Gregg F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haas, Carl F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jenkins, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kerr, C., jr., Candee, King, Harder, and McLanahan, assignors.)

Westinghouse Electric & Manufacturing Company. (See King, Charles F., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krapf, H. C., Kerr, and Nottage, assignors.)
Westover, William H. (See Bell, Ivan M., assignor.)
Wheaton, Jack M., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Capillary applicator rod. 1,985,703; Dec. 25.
Whitall Tatum Company. (See Steelman, James S., assignor.)
White, John C., assignor to The Hydro-Heater Corporation, Madison, Wis. Grease trap. 1,985,704; Dec. 25.
Whitehead & Kales Company. (See Judd, Irving H., assignor.)
Whitehead, William A. (See Quick, C. G., Ball, and Whitehead.)
Whiton, Louis C., jr., assignor to Prat-Daniel Corporation, New York, N. Y. Fan blade. 1,985,705; Dec. 25.
Wight, Edward H., D. L. Anderson, and W. N. Watmough, jr., Baltimore, Md. Preparation of superphosphate. 1,985,810; Dec. 25.
Wiley, Clarence F., Norton, assignor to Glenwood Range Company, Taunton, Mass. Broiler. 1,985,754; Dec. 25.
Wiley, Francis C. (See Shepherd, M. S., and Wiley.)
Wiley, William R., Detroit, Mich. Bolt. 1,985,333; Dec. 25.
Williams Brothers, Ltd. (See Lyle, George B., assignor.)
Wilson, Edwin W., assignor to L. L. Valentine, Chicago, Ill. Fare registering and change making machine. 1,985,305; Dec. 25.
Wilson, Herman, and C. Ritchie, Youngstown, Ohio, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for controlling electric motors. 1,985,706; Dec. 25.
Wilson-Jones Company. (See Dawson, George H., assignor.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
Wittkuhns, Bruno A., Summit, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Trunnion tilt corrector. 1,985,756; Dec. 25.
Wloka, Max, Solingen, Germany. Razor blade polishing and stropping machine. 1,985,874; Dec. 25.
Wolf, Henry H., Cleveland, Ohio. Indexing device. 1,985,477; Dec. 25.
Wolfe, William E., Dante, Va. Rail bond. 1,985,806; Dec. 25.
Wood, Frederick A., Shepherds Bush, London, England. Footwear. Re19,407; Dec. 25.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder protecting device. Re19,408; Dec. 25.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper piercing device. 1,985,755; Dec. 25.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodward, Edward M., Largo, Fla. Bottle crate. 1,985,436; Dec. 25.
Woodward, Lawrence P., Evanston, assignor to W. Cherney, Chicago, Ill. Receipt envelope. 1,985,592; Dec. 25.
Worden, Fulton C., New York, N. Y. Transmission mechanism. 1,985,359; Dec. 25.
Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Hood cap for bottles and the like. 1,985,650; Dec. 25.
Wunderlich, William E., Muncie, Ind. Spring forming machine. 1,985,392; Dec. 25.
Yager, George F., and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Mold forming machine. 1,985,360; Dec. 25.
Yerrick, William D., Wellsville, N. Y., assignor to Air Preheater Corporation. Preheater construction. 1,985,268; Dec. 25.
Yerrick, William D., Wellsville, N. Y., assignor to Air Preheater Corporation. Preheating apparatus. 1,985,269; Dec. 25.
Young, Graeme E., Deerfield, Ill. Stage construction for theaters. 1,985,707; Dec. 25.
Youngstown Pressed Steel Company, The. (See Stanitz, Jacques, assignor.)
Yuasha, Kameichi, Tokyo-Fu, Japan. Impact testing machine. 1,985,478; Dec. 25.
Zeller, Albert P., Baltimore, Md. Window screen. 1,985,270; Dec. 25.
Zerk, Oscar U., Chicago, Ill. Shackle mechanism. 1,985,708; Dec. 25.
Zerk, Oscar U., Chicago, Ill. Shackle mechanism. 1,985,709; Dec. 25.
Zucrow, Maurice J., assignor to The Paragon Vaporizer Corporation, Chicago, Ill. Carburetion system. 1,985,271; Dec. 25.
Zwiercan, Francis, Pittsfield, Mass. Headlight focusing gauge. 1,985,393; Dec. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Absorbent roll and producing same. E. R. Nelson and N. Thompson. 1,985,667; Dec. 25.
Acetylene, Removal of. D. Pyzel. 1,985,548; Dec. 25.
Acid, Preparation of acetic. E. B. Thomas, W. H. Groombridge, and H. F. Oxley. 1,985,750; Dec. 25.
Acid, Preparation of crystalline gluconic. H. S. Isbell. 1,985,255; Dec. 25.
Acidophilus product and producing the same. S. M. Farr. 1,985,490; Dec. 25.
Acoustic building material. J. H. Delaney. 1,985,487; Dec. 25.
Acoustic device. J. R. Erickson. 1,985,722; Dec. 25.
Acoustigraph, Multiple. E. S. Hopkins. 1,985,253; Dec. 25.
Adapter. W. N. de Sherbinin. 1,985,488; Dec. 25.
Adhesive and the product thereof, Making an. G. Davidson, C. N. Cone, I. F. Laucks, and H. P. Banks. 1,985,631; Dec. 25.
Advertising device, Balanced. R. E. Craighead. 1,985,630; Dec. 25.
Agitator. S. J. McCarroll. 1,985,791; Dec. 15.
Air and fuel controlling means for internal combustion engines. F. A. Thaheld and C. S. Crickmer. 1,985,528; Dec. 25.
Air cleaner. J. Cartmell. 1,985,481; Dec. 25.
Air conditioning utilizing carbon dioxide ice. H. E. Morton. 1,985,616; Dec. 25.
Aircraft navigational instrument. R. H. Smith. 1,985,265; Dec. 25.
Aircraft navigational instrument. R. H. Smith and J. P. W. Vest. 1,985,266; Dec. 25.
Aircraft structures, Constructing. J. A. Roche. 1,985,262; Dec. 25.
Aliphatic compounds, Manufacture of. H. Dreyfus. 1,985,769; Dec. 25.
Anchor, Cable. C. J. Lemont. 1,985,509; Dec. 25.
Antenna and power supply switch. C. E. Kilgour. 1,985,506; Dec. 25.
Articles with chromium, Electroplating. O. Bornhauser. 1,985,508; Dec. 25.
Arylamine and its production. M. A. Dahlen and R. E. Etzelmiller. 1,985,601; Dec. 25.
Ash pit protector. J. Andrasik and J. Skulavik. 1,985,224; Dec. 25.
Assembling means for typographical machines. H. R. Freund. 1,985,857; Dec. 25.
Atomizer. P. R. Brown. Des. 94,113; Dec. 25.
Atomizer. F. A. Vuillemenot. Des. 94,175; Dec. 25.
Automatic window lock. E. T. Goodrich. Re19,405; Dec. 25.
Automobile-servicing lift. P. J. Lunati. 1,985,510; Dec. 25.
Automobile wheel. R. B. Miller. 1,985,681; Dec. 25.
Axle, Automotive driving. L. R. Buckendale. 1,985,815; Dec. 25.
Axle generator with exciter. C. F. Jenkins. 1,985,679; Dec. 25.
Axylene-oxide derivatives of polyhydroxyalkylalkylamides. H. A. Piggott. 1,985,424; Dec. 25.
Ball and socket joint. G. B. Ingersoll. 1,985,728-9; Dec. 25.
Ball or tube mill. J. Sheehan. 1,985,801; Dec. 25.
Banding machine. H. R. Schutz. 1,985,800; Dec. 25.
Bands, Manufacturing laminated metal. F. Jordan. 1,985,783; Dec. 25.
Bar: *See*—
Portable bar.
Bath spray. S. Isemberg. 1,985,502; Dec. 25.
Beach chair. H. A. Freedman. 1,985,823; Dec. 25.
Bearing: *See*—
Roller bearing.
Bearing. M. A. Smith. 1,985,386; Dec. 25.
Beauty shop sign. J. B. and P. H. Ordin. Des. 94,159; Dec. 25.
Beehive construction. G. L. Killian. 1,985,543; Dec. 25.
Bill printing and addressing machine. H. P. Elliott. 1,985,244; Dec. 25.
Bill printing and addressing machine. H. P. Elliott. 1,985,247; Dec. 25.
Binder. L. E. Shipman. 1,985,583; Dec. 25.
Binder, Loose leaf. H. L. Cowden. 1,985,534; Dec. 25.
Binding for stacks of paper or the like. S. Groener. 1,985,776; Dec. 25.
Block hook. W. C. Burnham. 1,985,596; Dec. 25.
Blocks for printing, Apparatus for kerfing. E. F. Tretbar, jr. 1,985,302; Dec. 25.
Boiler: *See*—
Double boiler.
Bolt. W. R. Wiley. 1,985,333; Dec. 25.
Bolt lock. F. J. Adams. 1,985,272; Dec. 25.
Book cover, Memorandum. L. Guild. Des. 94,135; Dec. 25.
Bottle. C. Levine. Des. 94,153; Dec. 25.
Bottle. J. Marcus. Des. 94,157; Dec. 25.
Bottle. J. S. Steelman. Des. 94,170; Dec. 25.
Bottle closure. W. Mauser. 1,985,258; Dec. 25.
Bottles, Apparatus for cleaning. J. L. Herold and J. W. Dawson. 1,985,408; Dec. 25.
Bowl, Sugar. L. Guild. Des. 94,122; Dec. 25.
Box: *See*—
Cosmetic box. Journal box.
Folding egg box. Paper box.
Box for such articles as cigars and cigarettes, Delivery. C. F. Stone. 1,985,585; Dec. 25.
Bracelet, Watch. C. Feld. 1,985,249; Dec. 25.
Bracket: *See*—
Window shade bracket.
Brake: *See*—
Hydraulic brake. Hydraulic load brake.
Brake. E. G. McDonald. 1,985,418; Dec. 25.
Brake. J. W. Tatter. 1,985,588; Dec. 25.
Brake. E. V. Taylor. 1,985,671-2; Dec. 25.
Brake arrangement, Vehicle. R. Guimaraes, 2d. 1,985,346; Dec. 25.
Brake drum. J. Stanitz. 1,985,525; Dec. 25.
Brake governor, Automatic. F. I. Rowley. 1,985,744; Dec. 25.
Brake testing structure. R. J. Norton. 1,985,515; Dec. 25.
Bread wrapping table, Sliced. H. C. Simmons. 1,985,466; Dec. 25.
Brick, Manufacturing of light nailable. H. Mayr. 1,985,737; Dec. 25.
Bridge for eyeglasses. F. H. Soden. Des. 94,168; Dec. 25.
Brine solution. J. Fleischer. 1,985,632; Dec. 25.
Broiler. C. F. Wiley. 1,985,754; Dec. 25.
Brush control for motor commutators. J. Anderson. 1,985,395; Dec. 25.
Buckle. S. Putman. Des. 94,162; Dec. 25.
Buckle and strap for cotton bales. A. P. J. Voigt, J. D. Morhan, and F. J. Herbelin. 1,985,476; Dec. 25.
Buckle, Bale tie. F. B. Todd. 1,985,529; Dec. 25.
Buckle, Bracelet. E. Prestinari. 1,985,836; Dec. 25.
Buckle, Extensible. E. Prestinari. 1,985,835; Dec. 25.
Building unit and structure. P. Rutten. 1,985,328; Dec. 25.
Burner: *See*—
Continuous burner. Oil burner.
Button. J. Barratt. 1,985,758; Dec. 25.
Cabinet structure. C. M. Allen. 1,985,593; Dec. 25.
Cable sheath defects, Locating. T. C. Henneberger. 1,985,348; Dec. 25.
Cake caddy and the like. E. D. Parr and E. L. Schwarte. 1,985,516; Dec. 25.
Can: *See*—
Garbage can. Tearing strip can.
Ring neck key can.
Can. E. F. Dival. 1,985,721; Dec. 25.
Can opening and spout forming device. A. L. Kronquest. 1,985,865; Dec. 25.
Can opening and spout forming device. J. H. Renshaw. 1,985,796; Dec. 25.
Canister, bottle, jar, and like container, Vacuum-sealing of. E. Gore-Lloyd. 1,985,788; Dec. 25.
Cap for bottles and the like, Hood. W. L. Wright. 1,985,650; Dec. 25.
Capillary applicator rod. J. M. Wheaton. 1,985,703; Dec. 25.
Car coupler. H. A. Maconaghie. 1,985,379; Dec. 25.
Car, Hopper. H. M. Pflager and E. G. Hallquist. 1,985,380; Dec. 25.
Car mover. J. H. Dodge. 1,985,317; Dec. 25.
Car truck. W. C. Hedgcock. 1,985,288; Dec. 25.
Car truck bolster, Railway. T. H. Symington. 1,985,469; Dec. 25.
Carbon monoxide eliminator. J. C. Bartlett. 1,985,713; Dec. 25.
Carburetion system. M. J. Zucrow. 1,985,271; Dec. 25.
Carburetor. F. O. and T. M. Ball. 1,985,712; Dec. 25.
Carburetor. A. M. Prentiss. 1,985,425; Dec. 25.
Carriage driving and hammer returning means. A. E. Oswald. 1,985,419; Dec. 25.
Carrier telegraph system. R. E. Smith. 1,985,430; Dec 25.
Carton, Packing. F. W. Quackenboss. 1,985,549; Dec. 25.
Carton, Reclosable. A. J. Weiss. 1,985,590; Dec. 25.
Case: *See*—
Flat-opening case. Match case.
Casing: *See*—
Sausage casing.
Catalyst. H. Meerwein, F. Ulffers, R. Erbe, F. Aichner and W. Klaphake. 1,985,792; Dec. 25.

Catalytic masses, Producing. G. C. Connolly and J. A. Pierce. 1,985,343; Dec. 25.
Cathode and preparing the same. D. V. Edwards and E. K. Smith. 1,985,855; Dec. 25.
Cement manufactore. E. J. Maust. 1,985,868; Dec. 25.
Chain: *See*—
Wheel chain.
Chair: *See*—
Beach chair.
Chart, Storm. R. B. McIlroy and L. E. Baker. 1,985,259; Dec. 25.
Chuck. W. J. Gorman. 1,985,446; Dec. 25.
Cigar feeding mechanism. E. F. Cornock. 1,985,765; Dec. 25.
Circuit arrangement for electrical amplifiers. J. J. Numans. 1,985,352; Dec. 25.
Circuit, Electrical repeater. A. M. Nicolson. 1,985,686; Dec. 25.
Circuit proportional control system, Multiple. A. S. Fitz-Gerald. 1,985,562; Dec. 25.
Circuit, Vacuum tube. S. Ruben. 1,985,519; Dec. 25.
Circuits, Railway track. B. Mishelevich. 1,985,577; Dec. 25.
Circulation equalizer for furnace flues. J. Z. Anderson. 1,985,550; Dec. 25.
Clasp for sanitary napkins. T. E. Hicks. Des. 94,142; Dec. 25.
Cleaner: *See*—
Air cleaner. Thread cleaner.
Drain cleaner. Vacuum cleaner.
Cleaning apparatus, Dry. H. Lindenberger. 1,985,376; Dec. 25.
Clearance apparatus for compressors, Adjustable. L. F. Moody. 1,985,642; Dec. 25.
Clip: *See*—
Paper clip.
Clip forming machine, Metallic. C. Sjögren. 1,985,646; Dec. 25.
Clock. J. A. Kent. Des. 94,148; Dec. 25.
Clock, Calendar. G. H. Stephens. 1,985,388; Dec. 25.
Cloth, Coated wire. A. Eichengrün. 1,985,771; Dec. 25.
Clothes-line reel. F. C. Hush. 1,985,727; Dec. 25.
Clutch: *See*—
Disk clutch. Self-opening clutch.
Friction clutch. Spring clutch.
Clutch. W. J. Pearmain. 1,985,422–3; Dec. 25.
Clutch for draw works. L. E. Hodges. 1,985,291; Dec. 25.
Clutch operating mechanism. John Anderson. 1,985,304; Dec. 25.
Coal mining machine. J. A. Crumley and G. T. Wall. 1,985,339; Dec. 25.
Coated sheet and producing same. D. R. Ward. 1,985,332; Dec. 25.
Coating apparatus. B. C. Skinner. 1,985,843; Dec. 25.
Coffee maker. A. O. Samuels. Des. 94,104; Dec. 25.
Coffee server. L. Guild. Des. 94,133; Dec. 25.
Collar, High speed hot. E. B. Hudson. 1,985,501; Dec. 25.
Collar support for shirts. W. E. Singleton and W. M. Chace, jr. 1,985,523; Dec. 25.
Comb and brush, Combination. B. Resnick. 1,985,797; Dec. 25.
Compound having wetting, dispersing, emulsifying, and washing properties, Ether-like constituted. A. Steindorff, K. Daimler, and K. Platz. 1,985,747; Dec. 25.
Compressor. M. S. Shepherd and F. C. Wiley. 1,985,841; Dec. 25.
Concentrator. C. F. McCleery. 1,985,513–14; Dec. 25.
Concrete structure, Reenforced. C. H. Roy. 1,985,745; Dec. 25.
Connecter: *See*—
Rolling mill connecter.
Container: *See*—
Sheet metal container.
Container. G. B. Lyle. Des. 94,154; Dec. 25.
Container. A. Mitchell. 1,985,615; Dec. 25.
Container for carbonated liquids. G. H. Mosby. 1,985,455; Dec. 25.
Container, Forming an hermetically sealed easy opening. F. J. O'Brien. 1,985,793; Dec. 25.
Continuous burner, Automatically governed. W. G. Hartwig. 1,985,539; Dec. 25.
Control device. W. L. Hickstein and E. C. Loesser. 1,985,659; Dec. 25.
Control mechanism. C. B. Gilmore. 1,985,319; Dec. 25.
Control mechanism for compressor valves. L. L. Collins. 1,985,600; Dec. 25.
Control system for escalators, conveyers, and the like. A. S. Fitz Gerald. 1,985,563; Dec. 25.
Control system for prime movers. P. Faber. 1,985,773; Dec. 25.
Conveyer, Endless. A. R. De Wahl. 1,985,535; Dec. 25.
Cooling unit for refrigerating machines. L. S. Chadwick, M. Resek, and T. B. Focke. 1,985,816; Dec. 25.
Copper base alloy. R. F. Bolam. 1,985,814; Dec. 25.
Copy holder. A. L. Fitz Gerald. Des. 94,127; Dec. 25.
Copyholder. J. Phelps. 1,985,740; Dec. 25.
Cosmetic box. P. H. Douglas. 1,985,358; Dec. 25.
Cotton baling machine. M. Bethel. 1,985,438; Dec. 25.
Coupling. J. T. Kelly. 1,985,349; Dec. 25.
Cover: *See*—
Tire cover.
Cover and drain-board, Combination laundry-tray. A. H. Gross. Des. 94,131; Dec. 25.
Crate, Bottle. E. M. Woodward. 1,985,436; Dec. 25.
Crusher, Ice. H. C. Johnson. Des. 94,147; Dec. 25.
Cup: *See*—
Handle reenforcing cup.
Current, direct-current supply system for air-conditioned cars, Alternating. H. C. Krapf, C. Kerr, jr., and S. G. Nottage. 1,985,641; Dec. 25.
Current rectifier, Electric. O. K. Marti. 1,985,511; Dec. 25.
Cuspidor. M. N. Callender. 1,985,533; Dec. 25.
Cut-off for fluid lines, Automatic. C. Lowery. 1,985,663; Dec. 25.
Cutter: *See*—
Pipe cutter.
Cutting apparatus. P. Van Cleef. 1,985,356; Dec. 25.
Cutting mechanism for bread wrapping machines. W. Hoppe and N. W. Lyon. 1,985,780; Dec. 25.
Declutching mechanism. R. S. Sanford. 1,985,428; Dec. 25.
Decorating web, Flexible. J. F. Carpenter. 1,985,480; Dec. 25.
Delivery mechanism. C. G. Quick, D. A. Ball, and W. A. Whitehead. 1,985,547; Dec. 25.
Derrick for tractors, Side-mounted. N. M. Erdahl. 1,985,285; Dec. 25.
Desk stand. L. Guild. Des. 94,136; Dec. 25.
Diagrams, Apparatus for producing orthodiagraphic. G. Bucky. 1,985,715; Dec. 25.
Diaphragm pump. W. C. Carter. 1,985,282; Dec. 25.
Directional control on a current relay, Obtaining. J. J. Samson. 1,985,299; Dec. 25.
Dish. J. M. Stangl. Des. 94,169; Dec. 25.
Disk, Clutch. H. T. Harrison. 1,985,825; Dec. 25.
Dispensing pump. H. W. Holland. Des. 94,144–5; Dec. 25.
Display stand, Merchandise. B. Urich. 1,985,530; Dec. 25.
Distributor head. H. E. Morton. 1,985,617; Dec. 25.
Door handle construction, Automobile. R. F. Anderson. 1,985,223; Dec. 25.
Doorknob and lighting device, Combined. J. W. Clarke. 1,985,483; Dec. 25.
Door mechanism. C. R. Vegren. 1,985,847; Dec. 25.
Double boiler. J. E. Dee. 1,985,486; Dec. 25.
Doughnut cutter. H. Dady. Des. 94,119; Dec. 25.
Drag conveyer. B. Beardsley. 1,985,850; Dec. 25.
Drain cleaner. H. Baden. 1,985,813; Dec. 25.
Drain trap priming device. W. B. Smith. 1,985,647; Dec. 25.
Drawer device. M. H. Raggio. 1,985,550; Dec. 25.
Drill chuck. A. M. Stoner. 1,985,586; Dec. 25.
Drilling apparatus. M. C. Allen. 1,985,220; Dec. 25.
Drive for drill pipe. J. C. Fortune. 1,985,367; Dec. 25.
Drive, Railroad car. A. A. Dahms. 1,985,766; Dec. 25.
Drive, Spinning frame. P. B. Reeves. 1,985,838; Dec. 25.
Driving and clutch mechanism for washing machines. A. W. Altorfer. 1,985,273; Dec. 25.
Driving mechanism. A. Rosner. 1,985,645; Dec. 25.
Driving mechanism, Intermittent. N. B. Galkin. 1,985,406; Dec. 25.
Drying machine. C. Stecher. 1,985,697; Dec. 25.
Dyeings on textile fibers, Production of fast. N. H. Haddock and C. H. Lumsden. 1,985,287; Dec. 25.
Dyestuffs, New intermediate product for azo. R. Stüsser. 1,985,556; Dec. 25.
Earring, Loss-preventing. P. Timen and J. Acito. 1,985,809; Dec. 25.
Egg breaking and separating machine. G. S. Giveen. 1,985,320; Dec. 25.
Elastic webbing. S. F. Conant. 1,985,852; Dec. 25.
Electric contact device for automatic operation of mechanisms. H. H. Dodge. 1,985,340; Dec. 25.
Electric fluid heater. R. A. Carleton. 1,985,280; Dec. 25.
Electric heater. L. P. Hynes. 1,985,831; Dec. 25.
Electric power supply for trains, Head-end. C. Kerr, jr., A. H. Candee, C. F. King, jr., D. L. Harder, and A. McLanahan. 1,985,638; Dec. 25.
Electric steam generator. W. Nosarzewski. 1,985,546; Dec. 25.
Electric switch. T. Finizie. 1,985,633; Dec. 25.
Electrical generator system. W. W. Macalpine. 1,985,735; Dec. 25.
Electrical switch, Thermally actuated. C. W. Bondurant. 1,985,337; Dec. 25.
Electrode liquid heater, Multiple. C. A. Ross. 1,985,623; Dec. 25.
Elevating device for car doors. C. Lute and K. J. Tobin. 1,985,867; Dec. 25.
Embossing. L. E. Shaw. 1,985,300; Dec. 25.
Engine: *See*—
Internal combustion engine
Engine. A. J. Meyer. 1,985,296; Dec. 25.
Envelope construction. F. S. McCullough. 1,985,324; Dec. 25.
Envelope, Receipt. L. P. Woodward. 1,985,592; Dec. 25.
Eraser for lead pencils, Adjustable rubber. W. F. Boast. 1,985,307; Dec. 25.
Ethylene and preparation of alkyl halides from olefine mixtures, Separation of. H. S. Nutting, P. S. Petrie, D. H. Groope, and M. E. Huscher. 1,985,457; Dec. 25.
Evaporative cooling. W. J. Caldwell. 1,985,338; Dec. 25.
Explosive motor. R. Beckman. 1,985,595; Dec. 25.
Fabric, Producing ornamental. C. Dreyfus and H. Platt. 1,985,243; Dec. 25.
Fabrics, Making frieze. W. F. Bird. 1,985,761; Dec. 25.

Fan blade. L. C. Whiton, jr. 1,985,705; Dec. 25.
Fare registering and change making machine. E. W. Wilson. 1,985,305; Dec. 25.
Faucet. N. Schachter. 1,985,382; Dec. 25.
Faucet filter. J. D. Houck. 1,985,411; Dec. 25.
Feed cooling system for internal combustion engines, Force. J. Z. Brubaker. 1,985,240; Dec. 25.
Feeder: *See*—
Poultry feeder.
Feeler. G. M. Arragg. 1,985,396; Dec. 25.
Fence. G. A. La Clair. 1,985,322; Dec. 25.
Ferrule, Flexible. W. H. Richardson. 1,985,427; Dec. 25.
Ferrules in hollow wheels, Clinching. R. H. Rosenberg. 1,985,695; Dec. 25.
Fibers, Oiling and dressing. J. Nuesslein and H. Ulrich. 1,985,687; Dec. 25.
Filling machine. L. De Markus. 1,985,767; Dec. 25.
Filter: *See*—
Faucet filter.
Filter system, Selective. A. M. Trogner. 1,985,303; Dec. 25.
Fire protection apparatus. W. Richter and P. Fray. 1,985,798; Dec. 25.
Flash light. G. B. Pratt. 1,985,459; Dec. 25.
Flash light, Portable. A. C. Recker. Des. 94,163; Dec. 25.
Flat-opening case. C. J. Schell. 1,985,521; Dec. 25.
Flaw detector for tubular conductors. F. D. Braddon. 1,985,277; Dec. 25.
Floodlight. C. F. Haas. Des. 94,138; Dec. 25.
Flow controlling means for dishwashers. V. Rendle and W. C. Cross. 1,985,580; Dec. 25.
Fluid control valve. C. R. Buller. 1,985,279; Dec. 25.
Fluid mediums, Apparatus for treating. L. P. Hynes. 1,985,830; Dec. 25.
Fluid meter. H. L. Blum. 1,985,399–400; Dec. 25.
Flush valve. E. J. Kocour. 1,985,257; Dec. 25.
Flushing apparatus, Time controlled. R. B. Coleman. 1,985,314; Dec. 25.
Flyer. W. T. Munson. 1,985,666; Dec. 25.
Folder protecting device. H. A. W. Wood. Re19,408; Dec. 25.
Folding egg box. S. Reich. 1,985,570; Dec. 25.
Folding table. R. O. Cuffel. 1,985,284; Dec. 25.
Foots from crude oil, Removal of. E. C. Ragsdale. 1,985,426; Dec. 25.
Footwear. F. A. Wood. Re19,407; Dec. 25.
Freezer, Ice cream. G. Richards. 1,985,381; Dec. 25.
Friction clutch. C. A. and W. V. Thelander. 1,985,301; Dec. 25.
Front for radiators, Auxiliary. F. B. Herz. 1,985,372; Dec. 25.
Froth for sealing volatile liquids. G. M. Fisher. 1,985,491; Dec. 25.
Fruit in preparation for market, Coating fresh. M. L. Trowbridge. 1,985,846; Dec. 25.
Fruit in preparation for market, Protective treatment of fresh. E. M. Brogden. 1,985,239; Dec. 25.
Fruit in preparation for market, Treatment of fresh. E. M. Brogden. 1,985,238; Dec. 25.
Fruit in preparation for market, Treatment of fresh. B. C. Skinner. 1,985,842; Dec. 25.
Fruit juice machine, Citrus. T. D. McCall. 1,985,323; Dec. 25.
Fruit pitting machine. R. Chapelle. 1,985,336; Dec. 25.
Fruit waxing and polishing machine. F. Stebler. 1,985,555; Dec. 25.
Fuel burning apparatus. L. B. Joyner. 1,985,037; Dec. 25.
Fungicide. W. S. Calcott and M. O. Foreman. 1,985,597; Dec. 25.
Fuse. E. F. Keifer. 1,985,350; Dec. 25.
Game apparatus. W. H. Bellah. 1,985,736; Dec. 25.
Game board, Spinning. H. Vogelleitner. Des. 94,173; Dec. 25.
Garbage can, Sanitary. L. M. Lasell. 1,985,508; Dec. 25.
Gases poor in carbon monoxide, Production of. F. Bössner and C. Marischka. 1,985,441; Dec. 25.
Gasket. J. H. Victor. 1,985,473; Dec. 25.
Gasket. J. H. Victor. 1,985,475; Dec. 25.
Gauge: *See*—
Headlight focusing gauge. Spindle and king pin gauge.
Lasting gauge. Wheel gauge.
Miter gauge.
Gear shift lever horn button system. J. A. Suiter. 1,985,808; Dec. 25.
Gearing, Thread spindle. V. Jereczek. 1,985,861; Dec. 25.
Gears, Method of and machine for chamfering. M. H. Hill. 1,985,409; Dec. 25.
Generator: *See*—
Electric steam generator.
Glass blank transfer. C. C. Kinker. 1,985,416; Dec. 25.
Glass, Method and apparatus for use in the cutting of. C. B. Schafer. 1,985,520; Dec. 25.
Golf putter head. J. Bernardi. Des. 94,111; Dec. 25.
Grader, Nut length. W. Gebhardt. 1,985,345; Dec. 25.
Grain separator. M. A. Erickson and J. Groseth. 1,985,772; Dec. 25.
Grease retainer. J. H. Victor, M. L. Liston, and C. Matusak. 1,985,474; Dec. 25.
Grease trap. J. C. White. 1,985,704; Dec. 25.
Grille, Parallel-blade radiator. L. B. Green. 1,985,407; Dec. 25.
Grinding device. O. Herrmann. 1,985,606; Dec. 25.
Grinding machine. C. Booth. 1,985,237; Dec. 25.
Grinding machine. A. Turner. 1,985,433; Dec. 25.
Guide for sliding members. R. L. Hanson. 1,985,495; Dec. 25.
Guiding means for doors. A. E. Prince. 1,985,298; Dec. 25.
Gum wrapping machine. A. Kneaskern. 1,985,832; Dec. 25.
Gun, Automatic or self-loading. F. Gebauer and P. Kiraly. 1,985,493; Dec. 25.
Gun or projectile propelling apparatus, Electric. C. A. Huse. 1,985,254; Dec. 25.
Hair curler. J. Scocca. 1,985,329; Dec. 25.
Hair curling apparatus. W. B. Tubbs. 1,985,472; Dec. 25.
Handle. H. E. De Vries. Des. 94,120; Dec. 25.
Handle reenforcing cup. E. R. Krueger. 1,985,375; Dec. 25.
Hanger: *See*—
Picture hanger.
Headlight focusing gauge. F. Zwiercan. 1,985,393; Dec. 25.
Heat treatment of diatomaceous earth. M. Stockton. 1,985,526; Dec. 25.
Heater: *See*—
Electric fluid heater. Electrode liquid heater.
Electric heater.
Heater. V. H. Cope. Des. 94,117; Dec. 25.
Heating device for rotary furnaces. H. Garreau. 1,985,566; Dec. 25.
Heel, Shoe. A. Branca. 1,985,651; Dec. 25.
Height measuring rod for scales. W. H. Taylor. 1,985,527; Dec. 25.
Hides, Depilating. L. Wallerstein and J. Pfannmuller. 1,985,207; Dec. 25.
Hides, Drenching. H. Kögl. 1,985,661; Dec. 25.
Hoist control. W. C. Anthony and L. Wachter. 1,985,361; Dec. 25.
Hook: *See*—
Block hook.
Hoop roller. G. E. Voss. 1,985,557; Dec. 25.
Hose coupling and securing the same to a hose. D. B. Gish. 1,985,494; Dec. 25.
House, Knockdown. E. H. Lightfoot. 1,985,789; Dec. 25.
Hydraulic load brake. W. Ferris. 1,985,445; Dec. 25.
Hydrocarbons, Process and apparatus for treating. D. B. Mapes. 1,985,680; Dec. 25.
Humidifier. L. M. Persons. 1,985,689; Dec. 25.
Hydraulic brake. J. J. Banas. 1,985,812; Dec. 25.
Hydraulic system. E. J. Svenson. 1,985,748; Dec. 25.
Hydrocarbons containing unsaturated side chains, Manufacture of aromatic. H. Suida. 1,985,844; Dec. 25.
Hydrocarbons, Oxidizing. H. Harter. 1,985,875; Dec. 25.
Ice vending machine. H. N. Royden. 1,985,518; Dec. 25.
Illuminating device for goffered films. R. Berthon. 1,985,398; Dec. 25.
Image broadcasting system. W. G. H. Finch. 1,985,654; Dec. 25.
Impact testing machine. K. Yuasha. 1,985,478; Dec. 25.
Indexing device. H. H. Wolf. 1,985,477; Dec. 25.
Injector for internal combustion engines. F. G. Hehr. 1,985,289; Dec. 25.
Instrument case. H. B. Brown. Des. 94,112; Dec. 25.
Instrument stand. F. and F. Koenigkramer. Des. 94,149; Dec. 25.
Internal combustion engine. O. C. Kreis. 1,985,294; Dec. 25.
Iron, Making cast. W. Ruff. 1,985,553; Dec. 25.
Jar cover holder. I. M. Bell. 1,985,437; Dec. 25.
Joint: *See*—
Ball and socket joint. Universal joint.
Return bend joint.
Joint. G. H. Hufford and M. P. Graham. 1,985,781; Dec. 25.
Joint and making the same. T. D. Nathan. 1,985,325; Dec. 25.
Joints, Making universal. C. E. Swenson. 1,985,531; Dec. 25.
Journal box. D. S. Barrows. 1,985,594; Dec. 25.
Journal box. H. T. Casey. 1,985,442; Dec. 25.
Key attaching means, Manually operated. A. L. Kronquest. 1,985,863; Dec. 25.
Knife or similar article, Paring. A. M. Baer. Des. 94,107; Dec. 25.
Knitting machine, Flat. K. W. Lieberknecht. 1,985,295; Dec. 25.
Knot-tying mechanism. E. H. Parker. 1,985,458; Dec. 25.
Labeling device. J. O. Fenner and H. A. E. Sjöberg. 1,985,774; Dec. 25.
Laboratory press. F. S. Carver. 1,985,598; Dec. 25.
Lactobacilli fruit and vegetable juices. J. Reichel and H. A. Cheplin. 1,985,622; Dec. 25.
Lantern, Oil. A. J. Perkins and F. J. Beckman. 1,985,517; Dec. 25.
Lasting gauge. A. J. Brauer and F. P. Wagner. 1,985,310; Dec. 25.
Lead oxides in the dry state, Continuous production of. G. Shimadzu. 1,985,465; Dec. 25.
Leather, Chrome tanning of. T. Blackadder. 1,985,439; Dec. 25.
Leather, Parti-colored. P. A. Blatz. 1,985,236; Dec. 25.
Leather, Printed. P. A. Blatz. 1,985,675; Dec. 25.
Level indicator and flow regulator. L. E. Hudgens. 1,985,451; Dec. 25.
License plate. W. L. Bland. 1,985,227; Dec. 25.
Lift. R. J. Jauch and R. H. Arnold. 1,985,732; Dec. 25.

Lifter: *See*—
Pan lifter. Valve lifter.
Lifting tool. F. A. Hetzel. 1,985,571; Dec. 25.
Light: *See*—
Detractable landing light. Flash light.
Liquid cooling apparatus. L. Samel. 1,985,263; Dec. 25.
Liquid meter. R. S. Bassett. 1,985,397; Dec. 25.
Liquids, Apparatus for expressing. N. Crane. 1,985,485; Dec. 25.
Liquids under counterpressure, Arrangement for transferring gaseous. G. Stern. 1,985,355; Dec. 25.
Liquor to a smelting furnace, Feeding black. A. G. Kernin. 1,985,504; Dec. 25.
Lock: *See*—
Automatic window lock. Bolt lock.
Lock construction. C. Courtney. 1,985,363; Dec. 25.
Locking mechanism for binders. P. O. Unger. 1,985,700; Dec. 25.
Locomotive structure. W. M. Sheehan. 1,985,384; Dec. 25.
Lubricating means. H. C. Holderfield. 1,985,450; Dec. 25.
Macaroni. G. Tanzi. Des. 94,172; Dec. 25.
Macaroni machine. F. Mariani. 1,985,574; Dec. 25.
Machine for applying cement. H. L. Chapin and A. S. Johnson. 1,985,482; Dec. 25.
Machine for attaching keys to containers. A. L. Kronquest. 1,985,864; Dec. 25.
Machine for coating articles with paraffin or the like. A. R. Pollock. 1,985,644; Dec. 25.
Machine for drying and powdering wood waste. O. P. M. and W. C. Goss. 1,985,250; Dec. 25.
Machine for folding flat paper-matters. M. Goder. 1,985,859; Dec. 25.
Machine for forming rubber articles. S. B. Field. 1,985,821; Dec. 25.
Machine for sewing fastener tape and the like. L. Roseman. 1,985,743; Dec. 25.
Machine for shaping uppers over lasts. J. C. Jorgensen. 1,985,256; Dec. 25.
Machine tool. P. A. Parsons. 1,985,688; Dec. 25.
Machines and apparatus, Mechanism for controlling the operation of. G. ter Meer. 1,985,589; Dec. 25.
Magnesium base alloy. R. E. Paine. 1,985,420–1; Dec. 25.
Margarine, Making. B. R. Harris. 1,985,496; Dec. 25.
Mat or covering and making same. S. C. Clark. 1,985,484; Dec. 25.
Match case. M. Vogel. 1,985,751; Dec. 25.
Material, Apparatus for controlling a characteristic of a. T. A. Bryson. 1,985,313; Dec. 25.
Material, Method of and apparatus for controlling a characteristic of a. T. A. Bryson. 1,985,312; Dec. 25.
Material, System for delivering sheet. E. W. Stacey. 1,985,524; Dec. 25.
Materials, Coloration of. G. H. Ellis, T. Ockman, and H. C. Olpin. 1,985,248; Dec. 25.
Mattress or the like, Pneumatic cushion. J. O. Tucker and L. R. Kirst. 1,985,432; Dec. 25.
Measuring apparatus. M. Mennesson. 1,985,576; Dec. 25.
Meat loaf, Encased. C. H. Vogt. Des. 94,174; Dec. 25.
Metal, Apparatus for bending sheet or strip. C. G. L. Sjöländer. 1,985,385; Dec. 25.
Metal for loose leaf binder covers. E. J. Bloore. 1,985,714; Dec. 25.
Metal gathering machine, Electric. W. H. Spire. 1,985,803; Dec. 25.
Metal working device. F. E. McCabe. 1,985,454; Dec. 25.
Metals, Treating. G. F. Nelson. 1,985,456; Dec. 25.
Metals, Treating ferrous. C. R. Culling and M. A. Baernstein. 1,985,315; Dec. 25.
Meter: *See*—
Fluid meter. Liquid meter.
Microscopic slide edging and smoothing machine. S. Celinski. 1,985,817; Dec. 25.
Mill: *See*—
Ball or tube mill. Saw mill.
Rolling mill.
Milling machine. W. D. Archen. 1,985,225; Dec. 25.
Milling machine. E. D. Vancil and H. J. Dods. 1,985,434; Dec. 25.
Milling machine. C. W. Weiss. 1,985,753; Dec. 25.
Mirror and clock, Combination rear vision. E. L. Vail. 1,985,873; Dec. 25.
Miter gauge. W. J. Merrigan. 1,985,614; Dec. 25.
Mixer: *See*—
Transit concrete mixer.
Mixing apparatus and control valve for use therein. H. Haven. 1,985,570; Dec. 25.
Mold forming machine. G. F. Yager and O. J. Heath. 1,985,360; Dec. 25.
Molding means for concrete staves. S. G. Martin. 1,985,575; Dec. 25.
Monument. B. E. Goldberg. Des. 94,128; Dec. 25.
Motion picture screen. A. L. Raven. 1,985,460–1; Dec. 25.
Motor: *See*—
Explosive motor.
Motor apparatus, Electric. C. F. Wallace. 1,985,357; Dec. 25.
Motor control for refrigerated cars, Electric. C. F. King, jr. 1,985,639; Dec. 25.
Motor control system for grinders and the like. G. E. Craig and W. J. Walker. 1,985,719; Dec. 25.
Motor vehicle wheel. R. B. Miller. 1,985,682; Dec. 25.
Motors, Method of and apparatus for controlling electric. H. Wilson and C. Ritchie. 1,985,706; Dec. 25.
Mounting for circuit breakers. M. Mallory. 1,985,573; Dec. 25.
Mounting, Ophthalmic. G. L. Hommel. 1,985,499; Dec. 25.
Musical instrument. H. Pullen. Des. 94,161; Dec. 25.
Napkin holder for trays. B. F. Colwell. 1,985,561; Dec. 25.
Naphthas, Stabilizing the color of. G. McIntyre and E. G. Ulbricht. 1,985,613; Dec. 25.
Nitrocellulose containing waste material, Treatment of. P. C. L. Hayemal. 1,985,347; Dec. 25.
Noodle machine. R. Baccellieri. 1,985,275; Dec. 25.
Nozzle, Hose. C. E. Carlson. 1,985,402; Dec. 25.
Nuts for shelling, Preparation of Brazil. J. E. and C. K. Bizzell. 1,985,235; Dec. 25.
Oil burner. F. W. Scheifele. 1,985,799; Dec. 25.
Oil products from fatty oils, Manufacture of modified. L. Auer. 1,985,230; Dec. 25.
Oil saver. R. F. Parks. 1,985,327; Dec. 25.
Oil separation. J. T. Welsh. 1,985,591; Dec. 25.
Oils, Decolorizing. S. E. Campbell. 1,985,717; Dec. 25.
Oils, Manufacture of vulcanized heat bodied fatty. L. Auer. 1,985,231; Dec. 25.
Oils, Process and apparatus for converting hydrocarbon. E. W. Beardsley and A. P. Sachs. 1,985,233; Dec. 25.
Oils, Treating. D. G. Brandt. 1,985,440; Dec. 25.
1-nitro-anthraquinone-6-carboxylic acid and carbonyl halides thereof, Production of. E. E. Beard. 1,985,232; Dec. 25.
Opener, Can. R. Eames. 1,985,489; Dec. 25.
Ornament or similar article, Automobile radiator. B. E. Lemm. Des. 94,151; Dec. 25.
Oven for baking fuel briquettes. H. F. Maurel. 1,985,512; Dec. 25.
Oxygen of high purity, Producing. G. J. Boshkoff. 1,985,763; Dec. 25.
Pad: *See*—
Ribbon pad.
Pad holder and illuminating means therefor, Combined. R. L. Bloss. 1,985,335; Dec. 25.
Pan lifter. A. Asplund. 1,985,811; Dec. 25.
Paper box. A. N. Himes. 1,985,778; Dec. 25.
Paper box. R. A. Himes. 1,985,779; Dec. 25.
Paper clip. H. G. Lankenau. 1,985,866; Dec. 25.
Paper feed mechanism for tabulating or other printing machines. A. Thomas and F. G. S. English. 1,985,331; Dec. 25.
Paper manufacture. J. H. Swan, 3d. 1,985,698; Dec. 25.
Paper piercing device. H. A. W. Wood. 1,985,755; Dec. 25.
Paper web, Method of and machine for slitting and stacking folded plies of. L. T. Hand. 1,985,676; Dec. 25.
Paste applying mechanism. W. D. Kimball. 1,985,293; Dec. 25.
Paving material and producing the same, Bituminous. J. F. Carle. 1,985,718; Dec. 25.
Pen, Fountain. C. Pfanstiehl. 1,985,643; Dec. 25.
Pen or similar article, Fountain. S. C. Crocker. Des. 94,118; Dec. 25.
Perfume dispenser or similar article. F. A. Vuillemenot. Des. 94,176; Dec. 25.
Petroleum emulsions, Breaking. M. De Groote. 1,985,720; Dec. 25.
Petroleum emulsions, Breaking. C. H. M. Roberts. 1,985,692; Dec. 25.
Phenol aldehyde condensation products and air drying oils, Combining hardenable. F. Seebach. 1,985,264; Dec. 25.
Phenols, Nondyeing sulphurized. F. B. Downing, R. G. Clarkson, and C. W. Hannum. 1,985,602; Dec. 25.
Photographic developing apparatus. A. W. Smith. 1,985,554; Dec. 25.
Photographs and cinematograph pictures, Producing multicolor. B. Gáspár. 1,985,344; Dec. 25.
Photography. H. E. Ives. 1,985,730; Dec. 25.
Photography in natural colors. H. E. Ives. 1,985,731; Dec. 25.
Photo-oscillator-modulator system. A. M. Nicolson. 1,985,683; Dec. 25.
Piano construction. B. K. Settergren. 1,985,746; Dec. 25.
Picture hanger. A. Schwinger. 1,985,582; Dec. 25.
Picture projecting apparatus, Motion. I. H. Crabtree. 1,985,629; Dec. 25.
Picture projection apparatus, Sound motion. O. A. Ross. 1,985,552; Dec. 25.
Piling, Sheet. W. Prielipp. 1,985,795; Dec. 25.
Pipe: *See*—
Tobacco pipe.
Pipe cutter. H. B. Hoefer. 1,985,541; Dec. 25.
Pipe locking device, Fill. H. V. Le Bourveau. 1,985,787; Dec. 25.
Piston. R. R. Teetor. 1,985,699; Dec. 25.
Planter. G. M. Kriegbaum and C. C. Haas. 1,985,374; Dec. 25.
Planter, Tractor. F. E. Hand. 1,985,370; Dec. 25.
Plastic and color decorating, Combination. A. B. Heinsbergen. 1,985,725; Dec. 25.
Plasticizer. A. H. French and L. O. Gill. 1,985,368; Dec. 25.
Plate holding means for printing presses. A. J. Horton. 1,985,628; Dec. 25.

Plate holding means for printing presses. J. R. Tomlin. 1,985,627; Dec. 25.
Pliers. H. H. Manning. Des. 94,156; Dec. 25.
Plow. W. Parsons. 1,985,618; Dec. 25.
Plug device, Electrical. R. B. Hill. Des. 94,143; Dec. 25.
Portable bar. R. W. Jackson. 1,985,412; Dec. 25.
Poultry feeder. C. E. Hedrick. 1,985,827; Dec. 25.
Power-transmission synchronizer, Automatic. R. Bland. 1,985,762; Dec. 25.
Power unit, Electrically driven. D. Heyer. Des. 94,141; Dec. 25.
Preheater construction. W. D. Yerrick. 1,985,268; Dec. 25.
Preheating apparatus. W. D. Yerrick. 1,985,269; Dec. 25.
Press: *See*—
Laboratory press. Rotary press.
Proof press. Tobacco press.
Pressure operated valve. F. W. Edwards. 1,985,770; Dec. 25.
Printer's apparatus. H. J. Reardon. 1,985,551; Dec. 25.
Printing and addressing machine. H. P. Elliott. 1,985,240; Dec. 25.
Printing machine and method. H. P. Elliott. 1,985,245; Dec. 25.
Printing mechanism. F. A. Beach. 1,985,226; Dec. 25.
Projection apparatus, Attachment for. W. M. Thomas. 1,985,471; Dec. 25.
Projector system and detail. W. M. Thomas. 1,985,470; Dec. 25.
Proof press. R. O., E. O., F. R., and D. D. Vandercook. 1,985,701; Dec. 25.
Proof press, Power cylinder precision. H. R. Trotter. 1,985,845; Dec. 25.
Propeller blades, Apparatus for machining. H. Vogler. 1,985,752; Dec. 25.
Propulsion device. A. Vischer, jr. 1,985,391; Dec. 25.
Protector: *See*—
Ash pit protector.
Protector for lunch buckets. J. H. Alexander. 1,985,558; Dec. 25.
Pulp chips, Apparatus for forming. W. I. Brown. 1,985,479; Dec. 25.
Pulp tester. A. B. Green. 1,985,321; Dec. 25.
Pump: *See*—
Diaphragm pump.
Pump for liquid fuel supply systems. W. C. Carter. 1,985,281; Dec. 25.
Pumping mechanism. H. B. Cochrane and U. Sprinchorn. 1,985,283; Dec. 25.
Purifier for dry cleaning apparatus. H. Lindenberger. 1,985,377; Dec. 25.
Purpurin, Manufacture of. H. R. Lee and E. C. Buxbaum. 1,985,452; Dec. 25.
Pyrophoric lighting mechanism. L. V. Aronson. 1,985,274; Dec. 25.
Radiator section. G. M. Maier. Des. 94,155; Dec. 25.
Radio communication system. E. L. Koch. 1,985,417; Dec. 25.
Radio receiving apparatus. L. M. Clement. 1,985,403; Dec. 25.
Radio receiving set. S. W. Seeley and G. Mountjoy. 1,985,696; Dec. 25.
Rail bond. W. E. Wolfe. 1,985,806; Dec. 25.
Railway tie pulling machine. H. C. Drake. 1,985,768; Dec. 25.
Razor blade polishing and stropping machine. M. Wloka. 1,985,874; Dec. 25.
Receptacle for harvesters. E. A. Johnston. 1,985,373; Dec. 25.
Record strip aligner for writing machines. L. F. Hagemann. 1,985,824; Dec. 25.
Reel: *See*—
Clothes-line reel.
Refectory table. O. A. Raphael. 1,985,620; Dec. 25.
Refining machine. J. D. Haskell and G. P. Prather. 1,985,569; Dec. 25.
Refrigerating apparatus. C. F. Henney. 1,985,252; Dec. 25.
Refrigerating apparatus. H. C. Kellogg. 1,985,785; Dec. 25.
Refrigeration. N. Persson and S. M. Bäckström. 1,985,619; Dec. 25.
Refrigeration apparatus. G. F. Forsthoefel. 1,985,286; Dec. 25.
Refrigeration system for vehicles. B. S. Foss. 1,985,636; Dec. 25.
Regulating system. W. K. Fleming. 1,985,634–5; Dec. 25.
Regulator: *See*—
Window regulator.
Regulator. K. H. Hubbard. 1,985,829; Dec. 25.
Resin, Artificial. A. J. Norton and L. Sontag. 1,985,870; Dec. 25.
Resins, Dehydration of synthetic. A. W. Luedeke. 1,985,453; Dec. 25.
Resistor. A. L. Pugh, jr. 1,985,691; Dec. 25.
Rest, Convertible. E. S. and A. P. Steigerwald. 1,985,807; Dec. 25.
Retort, Coking. A. W. Warner. 1,985,304; Dec. 25.
Retractable landing light. L. F. Lemm. 1,985,611; Dec. 25.
Return bend joint. H. E. Muchnic. 1,985,544; Dec. 25.
Ribbon pad. W. F. Maier. 1,985,790; Dec. 25.
Rims, Construction for ornamenting. G. A. Lyon. 1,985,378; Dec. 25.
Ring neck key can. H. J. Douglass. 1,985,536; Dec. 25.
Ring or similar article, Finger. W. Stern. Des. 24,171; Dec. 25.
Ring traveler. E. R. Jerome. 1,985,608; Dec. 25.
Road building composition and preparing same. D. W. Johnston. 1,985,572; Dec. 25.
Roaster, Coffee. P. J. Fitzgerald. 1,985,604; Dec. 25.
Rod: *See*—
Capillary applicator rod.
Roller: *See*—
Hoop roller.
Roller bearing. T. L. Robinson. 1,985,693; Dec. 25.
Rolling mill. R. Michel. Re19,406; Dec. 25.
Rolling mill connecter. W. L. Ditges. 1,985,405; Dec. 25.
Roof and floor construction. J. V. Kohlhaas. 1,985,786; Dec. 25.
Roof construction. V. K. Cates, R. H. Congreve, A. V. Pedersen, and E. D. Seaver. 1,985,599; Dec. 25.
Rotary press, Sheet fed. G. A. Rutkoskie. 1,985,839; Dec. 25.
Rotor for aircraft and making same, Sustaining. J. de la Cierva. 1,985,819; Dec. 25.
Rubber and the like, Compounding. J. J. O'Hare. 1,985,261; Dec. 25.
Rug. E. A. Duval. Des. 94,121; Dec. 25.
Safe, Temporary. P. S. Millice. 1,985,869; Dec. 25.
Sausage casing. S. Gall. 1,985,564; Dec. 25.
Saw mill. F. W. Horstkotte. 1,985,500; Dec. 25.
Scale, Weighing. M. H. Hansen. Des. 94,140; Dec. 25.
Scales for concrete aggregates, Weighing. A. B. Jacobus. 1,985,542; Dec. 25.
Scratcher for match boxes, Internal. R. S. Pullen. 1,985,837; Dec. 25.
Screen: *See*—
Motion picture screen. Window screen.
Screen for windows, doors, and the like, Protective rolling. A. Himmelmann. 1,985,828; Dec. 25.
Sealing element for fluid-pressure containers. H. Koester. 1,985,733; Dec. 25.
Sealing liquid and making same. W. A. Gruse. 1,985,860; Dec. 25.
Self-opening clutch. W. de Back. 1,985,242; Dec. 25.
Semifluid and fluid evacuation, Apparatus for. T. F. Callahan. 1,985,401; Dec. 25.
Separator: *See*—
Grain separator.
Sewage aerator. F. A. Downes. 1,985,854; Dec. 25.
Sewage disposal plant. M. J. Mullin. 1,985,738; Dec. 25.
Sewing machine, Button. A. F. Fifield. 1,985,366; Dec. 25.
Sewing machines, Thread cutter device for. J. Gouldbourn. 1,985,605; Dec. 25.
Shackle mechanism. O. U. Zerk. 1,985,708–9; Dec. 25.
Shade, Eye glass. F. S. Lee. Des. 94,150; Dec. 25.
Shaker, Combined salt and pepper. E. E. Harris. 1,985,498; Dec. 25.
Shaker top. L. W. Campbell. Des. 94,116; Dec. 25.
Sharpener, Razor blade. J. P. Egan. 1,985,537; Dec. 25.
Shears. A. D. Evans. 1,985,856; Dec. 25.
Sheet metal container. J. Coyle. 1,985,818; Dec. 25.
Sheet retaining device. G. H. Dawson. 1,985,364; Dec. 25.
Sheets, Method and apparatus for rolling. R. J. Wean. 1,985,848; Dec. 25.
Shelf for sinks. A. C. Heise and M. W. Jacobi. 1,985,658; Dec. 25.
Shield, Glare. J. L. Peavey. 1,985,668; Dec. 25.
Shock absorber. H. Fuchs. 1,985,369; Dec. 25.
Shoe. A. F. Bancroft. Des. 94,108; Dec. 25.
Shoe. S. Epstein. Des. 94,123–4; Dec. 25.
Shoe. D. Levin. Des. 94,152; Dec. 25.
Shoe. S. Weinstat. Des. 94,177; Dec. 25.
Shoe cleat attachment. M. Goldenberg. 1,985,775; Dec. 25.
Shoe or article of analogous nature. F. Benenati. Des. 94,109–10 Dec. 25.
Shoe or article of analogous nature. J. G. Samuels. Des. 94,165–7; Dec. 25.
Shoe or similar article. F. Parlante. Des. 94,160; Dec. 25.
Shoe shaft stiffener. W. H. Nickerson. 1,985,545; Dec. 25.
Shoe sole or similar article. A. A. Esterson. Des. 94,125; Dec. 25.
Shoes, Manufacture of. A. J. Brauer and F. P. Wagner. 1,985,311; Dec. 25.
Shovel mechanism, Power. E. J. Kane. 1,985,876; Dec. 25.
Sign. G. Angeli. 1,985,532; Dec. 25.
Signaling system. H. Kallmann. 1,985,415; Dec. 25.
Sleeves, Making grooved. H. Lampart. 1,985,833; Dec. 25.
Silver balling machine. G., N., and J. Fraser. 1,985,822; Dec. 25.
Sluice weir. K. Schön. 1,985,872; Dec. 25.
Sodium barium aluminate and making the same. E. E. Fisher. 1,985,318; Dec. 25.
Sole and heel, Rubber. A. L. Murray. 1,985,578; Dec. 25.
Soldering tool. W. J. Frohmuth and D. E. Cohagen. 1,985,492; Dec. 25.
Sound recording system. C. R. Skinner. 1,985,584; Dec. 25.
Sound reproducing device. H. R. Van Deventer and S. C. McKeown. 1,985,389; Dec. 25.

Sound reproducing device. H. R. Van Deventer. 1,985,390; Dec. 25.
Space heater, Oil fired. H. L. Finley. Des. 94,126; Dec. 25.
Spark plug cleaning and setting tool. W. H. T. Isaacs. 1,985,410; Dec. 25.
Spindle and king pin gauge. C. C. Bennett. 1,985,306; Dec. 25.
Spinning frames, Filling wind control for. H. E. Brooks and P. B. Reeves. 1,985,851; Dec. 25.
Spool and its manufacture. T. G. Baxenden and J. R. Collyear. 1,985,760; Dec. 25.
Spool, Knock-down. J. H. Kjellstrom. 1,985,505; Dec. 25.
Spool structure. V. F. Rea. 1,985,742; Dec. 25.
Spray, Bath. S. Isenberg. Des. 94,146; Dec. 25.
Spring: *See*—
Starter spring.
Spring clutch. W. C. Starkey. 1,985,387; Dec. 25.
Spring forming machine. W. E. Wunderlich. 1,985,392; Dec. 25.
Stage construction for theaters. G. E. Young. 1,985,707; Dec. 25.
Stamp, etc. J. B. Lawrence. 1,985,834; Dec. 25.
Stand: *See*—
Display stand.
Starter, Automatic. C. N. Boyd. 1,985,309; Dec. 25.
Starter, Engine. J. F. G. Petit. 1,985,794; Dec. 25.
Starter spring. G. F. Colley. 1,985,342; Dec. 25.
Steel, Alloy. R. P. De Vries. 1,985,316; Dec. 25.
Stereoscopic plotting of contour maps. O. M. Miller. 1,985,260; Dec. 25.
Stoker. L. R. Stowe. 1,985,625; Dec. 25.
Stoker, Automatic. J. E. Imrie and W. W. Hudson. 1,985,660; Dec. 25.
Stoker, Chain grate. A. E. Parker. 1,985,297; Dec. 25.
Stop for chucking machines, Automatic. A. J. Lewis. 1,985,612; Dec. 25.
Suit, Bathing. G. L. Hall. 1,985,568; Dec. 25.
Superphosphate, Preparation of. E. H. Wight, D. L. Anderson, and W. N. Watmough, jr. 1,985,810; Dec. 25.
Suspensory, Combination. T. La Maida. 1,985,507; Dec. 25.
Sweeper, Carpet. O. G. Burch. Des. 94,115; Dec. 25.
Swing, Spiral. C. K. Harris. 1,985,497; Dec. 25.
Switch: *See*—
Antenna and power supply switch. Electric switch.
Electrical switch.
Switchgear, Electric. J. Christie and A. Donkin. 1,985,653; Dec. 25.
Switch-handles, Illuminating. L. S. Bach. 1,985,276; Dec. 25.
Table: *See*—
Bread wrapping table. Refectory table.
Folding table.
Tank. W. J. Wachowitz. 1,985,702; Dec. 25.
Tape, Superfold paper. L. T. Hand. 1,985,678; Dec. 25.
Tape, Superfolded paper. L. T. Hand. 1,985,677; Dec. 25.
Tea server. L. Guild. Des. 94,134; Dec. 25.
Tearing strip can. H. Hildebrandt. 1,985,290; Dec. 25.
Telegraph transmitter. J. B. Kitchens. 1,985,640; Dec. 25.
Telephone, Wall. H. F. Obergfell. Des. 94,158; Dec. 25.
Television synchronizing and monitoring system. H. C. Gillespie. 1,985,723; Dec. 25.
Television system. L. G. Pooler. 1,985,690; Dec. 25.
Television system, Color. A. M. Nicolson. 1,985,685; Dec. 25.
Television system, Panoramic. A. M. Nicolson. 1,985,684; Dec. 25.
Tender frame structure. A. R. Ayers and G. S. Vail. 1,985,711; Dec. 25.
Tennis scoring device. H. P. Campbell. 1,985,652; Dec. 25.
Tension device. W. T. Munson. 1,985,665; Dec. 25.
Tent, Combination. D. Rosenbaum. 1,985,694; Dec. 25.
Textile fabric. D. F. Greenawalt. Des. 94,129–30; Dec. 25.
Textile machinery and appliances relating thereto. J. Jabouley. 1,985,782; Dec. 25.
Thread cleaner. W. T. Munson. 1,985,664; Dec. 25.
Threads and the like, Winding. R. Elssner. 1,985,603; Dec. 25.
Tie rod end construction. J. R. Stence. 1,985,354; Dec. 25.
Tire cover. H. S. Jandus. 1,985,413; Dec. 25.
Tire cover. B. M. Short and H. S. Jandus. 1,985,429; Dec. 25.
Tobacco pipe. M. Dexter. 1,985,365; Dec. 25.
Tobacco press. F. M. Hayes. 1,985,448; Dec. 25.
Tobacco press. H. P. Taylor. 1,985,626; Dec. 25.
Tobacco, Smoking. S. S. Sadtler. 1,985,840; Dec. 25.
Tongs, Ice. L. Guild. Des. 94,137; Dec. 25.
Tool: *See*—
Lifting tool. Spark plug cleaning and setting tool.
Machine tool. Welding tool.
Soldering tool.
Tool for forming a dispensing opening in the end wall of a sealed container. A. L. Kronquest. 1,985,802; Dec. 25.
Tool or implement, Builder's. F. Seninger, F. A. Goeke, A. A. A. Nash, and L. A. Dell'Orco. 1,985,383; Dec. 25.
Top. F. Rueschel. 1,985,716; Dec. 25.
Towel indicator for towel cabinets. J. N. Borroughs. 1,985,228; Dec. 25.
Towline. E. Strang. 1,985,468; Dec. 25.
Toy, Coaster. M. Heldman. 1,985,726; Dec. 25.
Toy, Convertible. L. D. Goodspeed. 1,985,656; Dec. 25.
Toy pinwheel. D. Smaldone and J. Pecora. 1,985,467; Dec. 25.
Toy, Spinning top. H. Schmidt. 1,985,463; Dec. 25.
Toy, Spring operated mechanical. F. J. Gustine. 1,985,657; Dec. 25.
Tractor. R. Hamilton. 1,985,777; Dec. 25.
Transferring apparatus. J. F. Sheppard. 1,985,802; Dec. 25.
Transit concrete mixer. R. F. Lee. 1,985,610; Dec. 25.
Transmission. R. P. Lansing. 1,985,662; Dec. 25.
Transmission, Automatic. R. E. Keller. 1,985,503; Dec. 25.
Transmission, Hydraulic. D. Clute. 1,985,443; Dec. 25.
Transmission mechanism. F. C. Worden. 1,985,359; Dec. 25.
Trap: *See*—
Grease trap.
Tray, Ripe fruit corrugated packing. G. Sykes. 1,985,670; Dec. 25.
Tread mold elements, Making. W. J. Fraser. 1,985,341; Dec. 25.
Trimmer and slitter. M. L. Dodge and E. Laxo. 1,985,820; Dec. 25.
Truck. J. L. Clyde. 1,985,362; Dec. 25.
Trunnion tilt corrector. B. A. Wittkuhns. 1,985,756; Dec. 25.
Tub, Washing machine. C. C. Welsbrod. Des. 94,178; Dec. 25.
Tube clamping and carrying device. P. B. Abramsen. 1,985,757; Dec. 25.
Tube, container and receptacle, Collapsible. R. W. Storrs. 1,985,587; Dec. 25.
Turbine, Regulating a steam. J. Y. Dahlstrand. 1,985,404; Dec. 25.
Typewriting machine. F. A. Hart. 1,985,826; Dec. 25.
Typewriting machine. G. J. M. Pilgrim. 1,985,741; Dec. 25.
Typewriting machines, Variable spacing feed mechanism for. R. W. Robinson. 1,985,581; Dec. 25.
Unitary manufacturing set. J. R. Dickson. 1,985,853; Dec. 25.
Universal joint. M. I. Bradley. 1,985,278; Dec. 25.
Universal joint. C. E. Swenson. 1,985,669; Dec. 25.
Urn, Coffee. F. C. Ehrenreich. Des. 94,122; Dec. 25.
Utensil, Cooking. A. L. Clapp. 1,985,764; Dec. 25.
Vacuum cleaner. G. W. Allen. 1,985,849; Dec. 25.
Valve: *See*—
Fluid control valve. Pressure operated valve.
Flush valve.
Valve. E. W. Beardsley and M. W. Colony. 1,985,234; Dec. 25.
Valve. A. G. Heggem. 1,985,449; Dec. 25.
Valve and gauge, Tire inflating. F. Baumgartner. 1,985,759; Dec. 25.
Valve bag and making the same. H. H. Orr. 1,985,326; Dec. 25.
Valve for tank cars, Discharge. G. F. Gerdts. 1,985,858; Dec. 25.
Valve lifter. H. I. Grubbs. 1,985,447; Dec. 25.
Valve stem testing apparatus. L. R. Adams. 1,985,673; Dec. 25.
Valve tip hardening machine. W. H. Spire. 1,985,805; Dec. 25.
Valve tip hardening machine and method. W. H. Spire. 1,985,804; Dec. 25.
Valves, Apparatus for polishing explosion engine. J. F. Triana. 1,985,648; Dec. 25.
Vegetable growths to produce cellulose, Digestion of. H. B. Kipper. 1,985,609; Dec. 25.
Vegetables fresh, Device for maintaining. J. M. Sears. 1,985,464; Dec. 25.
Vehicle body for barrels. P. Murray. 1,985,739; Dec. 25.
Vehicle, Combination day and sleeping passenger carrying. A. E. Hutt. 1,985,607; Dec. 25.
Vehicle spring assembly. I. H. Judd. 1,985,414; Dec. 25.
Vehicle wheel. P. M. Miller. 1,985,351; Dec. 25.
Velocipede. G. E. Bullock. Des. 94,114; Dec. 25.
Velocity of a moving body, Determining the. H. C. Hayes. 1,985,251; Dec. 25.
Vending machine casing. B. A. Hackett. Des. 94,139; Dec. 25.
Voltages in electric circuits, Reduction of disturbing. H. A. Rhodes. 1,985,353; Dec. 25.
Wall paper trimming and pasting machine. C. Scherer. 1,985,522; Dec. 25.
Water distributor. W. H. Gard. 1,985,565; Dec. 25.
Water purification and supply system. R. B. Watson. 1,985,435; Dec. 25.
Wave presser. N. L. Solomon. 1,985,481; Dec. 25.
Wax, Treating montan. W. Pungs, M. Jahrstorfer, and T. Heilthaler. 1,985,871; Dec. 25.
Weather strip. D. H. Harnly. 1,985,724; Dec. 25.
Web roll controlling mechanism. A. J. Horton. 1,985,202; Dec. 25.
Weeder. J. L. F. Bauer. 1,985,674; Dec. 25.
Welding tool. R. P. La Porte. 1,985,734; Dec. 25.
Wells, or shafts, and for like operations, Apparatus for the boring of. P. J. M. T. Allard. 1,985,710; Dec. 25.
Wet treatment of spinning cakes, etc., Arrangement for the. F. Rathgeber, W. Schuls, V. Beplate, and A. Ruesch. 1,985,621; Dec. 25.

Wheel: *See*—
Automobile wheel. Vehicle wheel.
Motor vehicle wheel.
Wheel and demountable rim, Dual. J. G. Swain. 1,985,749; Dec. 25.
Wheel chain. H. C. Davis. 1,985,444; Dec. 25.
Wheel construction, Truck. D. C. Hay and L. H. Mattes. 1,985,540; Dec. 25.
Wheel gauge. E. M. Starr. 1,985,330; Dec. 25.
Window. I. Loew. 1,985,877; Dec. 25.
Window channel. C. P. Schlegel. 1,985,624; Dec. 25.
Window for motor cars, Ventilating. A. P. Fergueson. 1,985,538; Dec. 25.
Window regulator. B. S. Floraday. 1,985,655; Dec. 25.
Window screen. A. P. Zeller. 1,985,270; Dec. 25.
Window shade bracket. J. F. Haefele. 1,985,567; Dec. 25.
Windshield for automobiles. A. B. Beltman. 1,985,560; Dec. 25.
Wings for aircraft, Construction of. B. N. Wallis. 1,985,649; Dec. 25.
Wiper, Gauge stick. J. S. Benroth. 1,985,334; Dec. 25.
Wireless transmission, Device for removing disturbances in. W. Daya. 1,985,241; Dec. 25.
Wood, Method of and machine for producing bundled small. G. Schapiro. 1,985,462; Dec. 25.
Wrench. C. S. Hascall. 1,985,371; Dec. 25.
Zinc sheet, Production of aluminum-plated. F. Jordan. 1,985,784; Dec. 25.

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Designs	54—No.	93,959 to No.	94,012, inclusive.
Total	1,350		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,880,854, E. W. Davis, Lubricating system and apparatus, decided November 5, 1934, claim 11.

Pat. 1,824,127, F. L. Dodgson, Interlocking system for railroads, decided November 6, 1934, claims 7 and 8.

Pat. 1,843,788, H. T. Seeley, Control system, decided November 2, 1934, claim 8.

Pat. 1,853,914, O. T. McIlvaine, Thermionic tube, decided October 16, 1934, claims 1, 2, 3, and 4.

Pat. 1,905,975, C. C. H. Thomas, Concrete block molding machine, decided November 6, 1934, claim 9.

Pat. 1,938,211, C. J. Biver, Thermionic vapor tube, decided November 5, 1934, claim 1.

Pat. 1,952,630, N. A. Palmgren, Musical instrument, decided November 3, 1934, claims 1 and 2.

Pat. 1,956,188, L. J. Black, Hydraulic brake and cooling means for hoisting drums, decided November 8, 1934, claim 5.

Reissue Pat. 18,517, J. C. Black, Process for heating oils, decided November 7, 1934, claims 1 and 2.

Notice

Claims Copied from Patent

The attention of applicants and attorneys prosecuting applications for patents is directed to the following new paragraph of rule 94, published in the OFFICIAL GAZETTE of November 13, 1934, page 265:

Where an applicant presents a claim copied or substantially copied from a patent, he must identify the patent, give the number of the patented claim, and specifically apply the terms of the copied claim to his own disclosure.

Failure to comply with the requirements of this paragraph of the rule, without a satisfactory explanation, may be cause for disciplinary action against the violator. Examiners are accordingly directed to call to the personal attention of the Commissioner any violations of this provision whenever discovered.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(D. C. Mich.) Johnson patent, No. 1,716,962, for water propulsion device, claims 6, 11, 12, 13, and 14 *Held* valid and infringed. *Johnson Bros. Engineering Corporation* v. *Caille Bros. Co.*, 8 F. Supp. 198.

(D. C. N. Y.) Wheeler patent, No. 1,879,863, for volume control, claims 1, 5, 6, and 10 *Held* not infringed. *Hazeltine Corporation* v. *R. E. B. Service Corporation*, 8. F. Supp. 100.

Interference Notice

U. S. PATENT OFFICE, *Washington, Nov. 2, 1934.*

Frederick Culman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The American Distilling Company, Pekin, Ill., for registration of a trade-mark and trade-mark registered November 4, 1924, No. 191,169, to Frederick Culman, 36 West 44th Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Culman at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Culman, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 17, 1934

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,557; Trade-Mark Division, 1,024. Oldest new case, June 20, 1934; oldest amended, June 18, 1934.

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 17	Sept. 12	389
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Aug. 30	Aug. 27	526
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 17	Aug. 17	619
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Sept. 22	Sept. 4	263
3828	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Aug. 17	Aug. 24	484
4898 C	6. LEWERS, A. M., Carbon Chemistry	Aug. 3	Aug. 2	947
5725	7. JARBOE, C. G., Optics; Photography	Aug. 18	Aug. 17	730
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 28	Sept. 5	274
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 11	Sept. 10	404
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Aug. 18	Aug. 20	395
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 18	July 21	591
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	July 14	July 14	507
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 29	Aug. 29	383
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 13	Aug. 9	455
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 20	Aug. 20	764
5612	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 20	Aug. 15	491
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 23	July 26	752
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 19	Sept. 18	306
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 21	Aug. 24	584
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking.	Sept. 4	Sept. 15	219
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 3	Aug. 7	604
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	July 31	Aug. 2	841
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	June 20	June 21	488
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 20	Aug. 23	527
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 8	Aug. 9	609
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Sept. 10	Sept. 12	279
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Aug. 17	Aug. 17	481
4628	28. BENSON, A. R., Internal-Combustion Engines	Aug. 13	Aug. 9	501
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	Aug. 17	Aug. 17	537
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 17	Aug. 17	576
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	July 19	July 18	848
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Aug. 30	Sept. 4	318
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	July 20	July 19	711
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	June 20	June 18	848
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Aug. 11	Aug. 11	673
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	July 27	July 27	498
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	July 18	July 18	659
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	July 30	Aug. 7	459
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 20	Aug. 20	581
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 11	Aug. 11	884
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 29	Aug. 23	512
5882	42. CUTTING, H. O., Electric Signaling	July 23	July 17	722
4886 B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	July 16	July 16	710
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	July 17	July 17	804
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Sept. 4	Sept. 7	367
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Sept. 6	Sept. 6	359
7600	47. BARKER, H., Clutches; Brakes	Aug. 20	Aug. 20	701
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 23	July 25	490
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 30	July 19	632
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	July 17	July 17	787
5628	51. BACKUS, C. D., Radiant Energy	Aug. 31	Aug. 31	587
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	Aug. 20	Aug. 24	591
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 1	Sept. 7	469
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Aug. 4	Aug. 4	658
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Sept. 19	Sept. 19	301
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	July 21	July 18	804
3625	57. NICOLSON, G. D. O., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Aug. 30	Sept. 12	273
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 14	Aug. 20	366
4709	59. RICHARD, V. I., Chemistry; Fertilizers	July 12	July 13	670
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Aug. 6	Aug. 7	536
6724	61. PARKS, G. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Sept. 4	Sept. 4	244
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Aug. 19	Aug. 19	586
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Aug. 1	Aug. 4	531
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	Aug. 17	Aug. 17	850
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 28	July 28	520
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND.—Trade-Marks	Oct. 17	Nov. 2	747
	Labels and Prints	Oct. 17	Nov. 3	277
2605	Designs, H. H. KALUPY (Act.)	Oct. 17	Nov. 3	482

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LAWSON AND LAWSON

No. 3,221. Decided April 30, 1934

[70 F.(2d) 373]

1. PATENTABILITY—KNITTING MACHINE—OPERATIVENESS.

"To the lay mind it may seem somewhat anomalous to hold lack of disclosure of operativeness when a machine is actually operated, assuming, of course, that the invention claimed is actually in the device, but it must be remembered that a patent may not be based upon a machine, unless, in the usual and prescribed way, it is disclosed with sufficient clearness in the application itself to meet the statutory requirements."

2. SAME—SAME—SAME.

Claims for a knitting machine *Held* properly refused on the ground that the application as filed fails to disclose an operative mechanism.

APPEAL from the Patent Office. Affirmed.

Messrs. Emery, Booth, Varney & Townsend and *Mr. Irving U. Townsend* for Lawson and Lawson.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Examiner, rejecting 25 claims (being all the claims) of appellants' application for patent for additional thread controlling mechanism for knitting machines.

Claims 1 and 15 are regarded as fairly illustrative:

1. In a knitting machine having means for introducing a main thread and an additional thread, separate means for introducing a second additional thread to needles then receiving the main thread and the first additional thread whereby said second additional thread is knitted in regular knitted loops into the fabric.

15. In a circular knitting machine, means for introducing threads at opposite sides thereof and for reciprocating the needle carrier so as to knit split work, means to introduce a reinforcing thread during the formation of split work, and means for introducing a third thread to certain at least of the needles, which are then receiving the main or body thread and another reinforcing thread whereby said second additional thread is knitted in regular knitted loops into the fabric.

All the claims were rejected by the Examiner as presenting nothing patentable over Patent No. 1,496,724, issued June 3, 1924, to one Lawrence J. Mirsky, and claims 2 to 25 were also rejected "as based on a defective disclosure."

The Board of Appeals expressly disapproved the rejection upon Mirsky, but held all the claims unpatentable on the ground that—

the application as filed fails to disclose an operative mechanism.

It also rejected claims 1 to 8, inclusive,

under provisions of rule 139 as broader than any inventive concept disclosed in the specification.

The opinion of the Board of Appeals made reference to certain patents issued respectively to J. D. Hemphill and A. Gagne, but they do not constitute technical references against the application and were not, in fact, included in the record, being presented only in appellants' brief.

The application, in its entirety, presents a subject matter exceedingly complicated, particularly to those not skilled in the knitting machine art, but, in the final analysis, the claimed invention has to do with means, as described, for inserting a third thread during the process of knitting hosiery. It purports to disclose a machine, stated to have been invented by the Lawsons and afterwards manufactured and placed upon the market. The brief for appellants says:

The characteristic feature of the said machine was that a third thread was introduced at the high splice area, so that at said area there were three threads, namely, the main or usual knitting thread, the so-called high splice thread introduced to about one-half the needles, and said third thread which never before had been introduced. Preferably that third thread was also introduced when the knitting of the top of the toe was reached, so that the top of the toe was reinforced.

The original specification recites:

The purpose of this invention is to provide means for introducing an additional yarn or thread, and more specifically stated for introducing in the knitting of a stocking a yarn or thread which at the high splice area is a third thread and which may extend into the heel itself, and which said thread is again introduced in knitting the toe and particularly the upper part of the toe, thus constituting a second or reinforcing thread thereat.

Specifically, the requirement is for elements, related in such a way as that a means for the operation of a yarn guide for the third thread can be positioned for the reinforcement of both the high splice of the heel and the toe section of a stocking.

Appellants disclose a wire through which the yarn guide is positioned. The movement of the wire is effected by two levers. One lever is under control of pattern cams, mounted upon a shaft, which cams position the yarn guide for starting the thread for the reinforcement in the high splice of the heel. The other lever is under control of other mounted pattern cams, which function to position the yarn guide for application of the thread to reinforce the top of the toe of the stocking.

According to the drawings, both levers are effective upon one wire—that is, one element must serve as means to position the yarn guide for introducing the reinforcing thread into both heel and toe.

The respective levers are rendered effective for positioning the yarn guide by being dropped, as the machine operates, into depressions in the respective pattern cams. It was held, in effect, by the Board of Appeals that to meet the requirements of the application both levers must be, at the same time, positioned in their respective cam depressions, and that from the disclosure this cannot be accomplished.

Upon the contrary, it is declared, in substance, that both levers cannot be in operative position at the same time; that when the end of the heel reinforcement control lever is in its cam depression, and hence in operative position, the end of the toe reinforcement control lever will be raised from its cam depression, and hence be out of operative position, and vice versa. The Board adds that because both levers are effective upon the same wire, or rod,

it seems to be impossible to so relate these elements that the rod 65 effective on the additional yarn guide can be positioned for both the reinforcement of the high splice of the heel and the toe section of a stocking.

Appellants do not challenge the correctness of the Board's interpretation of the claims, but endeavor to show that the ends of both levers may be contemporaneously in operative position. To the arguments upon this point, we have given careful study.

In the presence of this court, during oral argument, counsel for appellants operated a knitting machine which purported to embrace the claimed invention at issue, and, in the brief, the actual drawings of the application have been supplemented by

other drawings, designed, so it was said, to bring out more clearly features inherent in the machine, but not fully illustrated or explained in the original.

Such of these demonstrations and drawings as seemed pertinent and proper to be considered have been duly weighed. We are not convinced, however, that the Patent Office experts were in error upon this phase of the case—and this phase is a basic one which runs to every claim of the application. The cases of *In re Stauber*, 18 C. C. P. A. (Patents) 774, 45 F.(2d) 661, 403 O. G. 245, and *In re Bloch*, 19 C. C. P. A. (Patents) 1180, 65 F.(2d) 268, 437 O. G. 575, contain matter which is here in point.

[1] To the lay mind, it may seem somewhat anomalous to hold lack of disclosure of operativeness, when a machine is actually operated, assuming, of course, that the invention claimed is actually in the device, but it must be remembered that a patent may not be based upon a machine, unless, in the usual and prescribed way, it is disclosed with sufficient clearness in the application itself to meet the statutory requirements.

A second important question, relating to failure to show operativeness, discussed by the Board, is that of a timing of parts with regard to certain cam arrangements. The objections pointed out upon this feature seem to be well taken, but, in view of our conclusion upon the other phase, we deem it unnecessary to enter upon any detailed review of this issue.

Upon the question of the breadth of claims 1 to 8 we likewise feel the Board's position to be correct.

[2] The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MILLER

No. 3,281. Decided June 12, 1934

[71 F.(2d) 184]

PATENTABILITY—METHOD OF DISTILLING TAR AND PRODUCING PITCH AND OILS THEREFROM.

Claims for a method of distilling tar and producing pitch and oils therefrom *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Forbes Silsby and *Mr. George B. Campbell* for Miller.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

This appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, involves the patentability of five claims (being all the claims) of an application for patent on a method of distilling tar.

For illustrative purposes we quote claims 19 and 26:

19. The method of distilling tar and of producing pitch and oils therefrom and from hot tar laden coal distillation gases, which comprises passing hot tar laden coal distillation gases into direct contact with tar to effect distillation of the tar and resulting enrichment of the gases in oil vapors, subjecting the resulting gases and vapors while still at a high temperature to a cleaning treatment so as to remove suspended tarry constituents therefrom and to give a substantially tar-free mixture of gases and vapors containing a large part of the oils in the form of vapors, and subsequently cooling the cleaned gases and vapors to condense oils therefrom, said oils being made up in part of oil constituents carried by the coal distillation gases which are brought into direct contact with the tar, and in part of oils distilled from the tar by the hot gases.

26. The method of distilling tar and of producing oils and two pitch products therefrom and from hot coke oven gases, which comprises collecting the hot tar laden gases from a number of coke ovens in which coal is being destructively distilled in a common collecting conduit to form a composite gas stream flowing through the conduit at high temperature, passing tar to be distilled in the form of a flowing body through the conduit in direct contact with the hot tar laden gases so as to distill the tar and produce pitch, while preventing accumulation of hard pitch in the conduit and enriching the gases in oil vapors therein, subjecting the resulting enriched gases immediately after contact with the tar being distilled to electrical precipitation treatment at a high temperature so as to remove suspended pitch particles from the gases while leaving a large part of the oils in the form of vapors, and subsequently cooling the resulting gases and vapors so as to condense substantially tar-free oils therefrom.

The references cited are: Congdon, 1,090,813, March 17, 1914; Woidich, 1,092,620, April 7, 1914; Becker, 1,307,534, June 24, 1919; Lomax, 1,408,105, February 26, 1922; Meston, 1,444,627, February 6, 1923; Webert, 1,481,399, January 22, 1924; Davidson (British), 9,034 of 1914; Porter, Coal carbonization (1924), page 282; Lunge, Coal tar and ammonia (1916), pt. 3, pages 1335–1336.

The following condensed statement of the process describing its specific features we take from the brief filed on behalf of appellant:

More specifically the process of the appellant's invention comprises combining gases from a number of coke ovens while these gases are still at a high temperature and therefore contain substantially their original content of tar constituents, intimately contacting tar with these gases in such a manner that the gases are enriched in condensable oil vapors and the tar is distilled to pitch, then cleaning the gases, which now contain vapors of condensable oil constituents evolved from the coke ovens as well as from the tar distillation and also contain entrained tarry particles or pitch particles, by subjecting them to electrical precipitation whereby entrained particles are removed from the gases. The material removed is collected as a second pitch product. The cleaned gases containing condensable oil vapors are cooled so as to condense clean oils, i. e., oils that are substantially free from tarry constituents, free-carbon particles, etc.

At another point it is said:

• • • The distinguishing feature of the appellant's process lies in combining the step of enriching coal distillation gases, with a subsequent cleaning of the enriched gases by electrical precipitation to remove pitch while oils are retained in vapor form, and then cooling the cleaned gases to condense clean oils. It is this combination of steps with its attendant advantages set forth at length above, that is believed to constitute the appellant's contribution to the art.

All the claims were rejected upon the prior art cited. In addition, claims 20 and 26 were rejected on the ground of aggregation in including a plurality of coke ovens, and 21, 26, and 33 on the ground of lack of patentable cooperation between the specific manner of removing the entrained particles and the remaining steps of the process.

The Examiner, whose decision was approved in its entirety by the Board, points out in detail the reasons for holding that such distinctions from claim 19 (other than the aggregative and noncooperative elements) as appear respectively in claims 20, 21, 26, and 33, are features old in the art.

We think it clear that no limitations are embraced in claims 20, 21, 26, and 33 which would render them patentable unless claim 19 itself is allowable and we shall, therefore, confine our discussion to the latter named claim.

Woidich seems to be the principal reference relied upon although Lomax and Becker are cited as being also basic. The Board of Appeals says:

Claim 19 stands rejected on Woidich, Lomax, and Webert. Woidich discloses destructive distillation of carbonaceous matter with the evolution of tar-containing gas, the introduction of additional tar at 96 into the hot, evolved gas, the removal of entrained liquid particles from the gas in the baffle tower D, and cooling of the gas to cause condensation. Lomax shows production of tar-containing coke oven gas, the treatment of such gas at an elevated temperature so as to electrically precipitate entrained particles therefrom without precipitation of the light oils, and subsequently cooling the gas to cause condensation.

It may be said that the patent to Woidich relates to process and apparatus for wood distillation and discloses means for the injection of tar into the gases passing through a pipe from the wood distilling ovens, the tar being injected at the top of a column to which the gases ascend. Afterwards the gases pass through a heat interchanger, which includes staggered partitions and a water cooling pipe, and finally through a tar separator means.

The patent to Beker relates to ammonia, tar, and benzol recovery process and discloses an electrical precipitator for precipitating tar from coke-oven gas, which gas then passes through a cooler.

The patent to Lomax relates to the recovery of by-products from distilled gases, in which oven gas is passed through an electrical precipitator and then through a cooler.

Others of the references show the use of electrical precipitators in this art, and, as we understand it, appellant does not base any contention upon that particular feature of his claim, except as it is related to his process as a whole.

The gist of appellant's argument with reference to the Woidich patent (after pointing out that it relates to wood distillation) is that it does not disclose the removal of clean oils, nor the separation, with recovery separately, of the elements which it is appellant's object to recover.

It is argued that the tar, which is introduced into the gases at the top of the treating tower in Woidich, is not introduced for the same purpose—that is, for the purpose of distilling it—as is the tar which is introduced by appellant; that Woidich provides the introduction of tar only as an emergency to absorb any excessive oily vapors produced in the process of distillation; that after such absorption the combined product is recovered as a single product; that if electrical precipitation were applied in Woidich the ends sought by him would be defeated, because the tar element would immediately be removed without having absorbed the excessive oily vapors as desired; that Woidich is not concerned, as is appellant, with the enrichment of distillation gases by the introduction of oil constituents and subsequent cleaning of the gases to recover clean oils, and that the final results sought by the respective parties are wholly different.

It is said:

The operation of the Woidich process and the functions of the individual steps of that process are diametrically opposed to the appellant's process as defined by the appellant's claims.

Assuming all the foregoing statements to be correct the fact remains that they comprise an argument as to the *functions* of the steps of the process and not as to the *steps* themselves.

It is conceded in the brief for appellant that at least four of the patents, Lomax, Becker, Meston, and Webert, show the use of electrical precipitation for removing entrained particles from gases, but it is urged that none of these describe—

a process for subjecting coal distillation gases to electrical precipitation after these gases have been enriched by the distillation of tar therein.

Upon this phase of the controversy the Congdon and Porter references become relevant. The Congdon patent discloses the spraying of tar into hot fresh gas evolved in the destructive distillation of coal, and the article on "Coal carbonization" by Porter, published in 1924 (some three years before the filing of the involved application), shows the spraying of tar into a gas-collector main in the course of a process which results in a distillation of light oils. Lunge, it may be said, also shows the spraying of tar into hot fresh coke oven gas.

It is argued on behalf of appellant that in the Congdon patent the tar does not undergo any *substantial* distillation. It is assumed that this might also be said of Lunge. As to the teaching of Porter it is argued that, while distillation of *light oils* results, it is confined to *light* oils, and that the enrichment of the gases would at most be relatively very small.

Here, it seems to us, the argument is predicated upon the degree rather than upon anything lacking in the *step* as a *step*. As is pointed out in the brief of the Solicitor for the Patent Office, claim 19 does not specify any degree of enrichment of the gases by appellant.

It is our conclusion that appellant merely proposes the utilization of features shown by the prior analogous art, each of which features functions in its new arrangement in the same manner as it functioned in the old, the only difference in result being a matter of degree, and that there was no error in the holdings of the tribunals of the Patent Office in this regard.

The rejection of claim 19 was, therefore, proper.

We shall not dwell upon the other claims for the reasons already indicated.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE PRESCOTT

No. 3,294. Decided June 12, 1934

[71 F.(2d) 162]

PATENTABILITY—TIRE RIM MOUNT.

Certain claims for a tire rim mount *Held* patentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. Sydney I. Prescott pro se.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming the final decision of the Examiner, holding as unpatentable over the prior art cited, all the claims (five in number) of appellant's application for patent on alleged improvements in a tire rim mount, claim 5 being also rejected on the ground of aggregativeness.

Claims 1 and 5 seem to be fairly representative:

1. The combination with a wheel body, of a series of threaded studs immovably secured to said body, a rim having apertures through which said studs project, and nuts on said studs engaging the outboard side of said rim and having in said apertures substantially cylindrical skirts positioning said rim concentric with and free from the periphery of said body, whereby a load on the wheel locks said nuts in position without stressing the threads of the studs and nuts.

5. The combination with a wheel body, of a series of threaded studs immovably secured to said body, a rim

provided with outer ribs adapted to engage split tire flanges and also provided with an inner rib having apertures through which said studs project, and nuts on said studs engaging the outboard side of said inner rib and having in said apertures substantially cylindrical skirts positioning said rim concentric with and free from the periphery of said body, whereby a load on the wheel locks said nuts in position without stressing the threads of the studs and nuts.

The references cited are: Seiberling, Re. 12,777, April 7, 1908; Olier (French), 598,817 of 1925; Hunt, 1,787,074, December 30, 1930; Wagenhorst, 1,814,198, July 14, 1931; Prescott, 1,859,936, May 24, 1932.

Before this court appellant personally filed a brief in support of his contentions, but there was no oral argument presented by or for him. The following is a general statement which his brief contains:

All five claims call for variant combinations for securing a demountable rim to a wheel body by means of studs and nuts which not only hold the rim against the side of the body but also position the rim concentric with and free from the periphery of the body, to enable the nuts to support a load on the wheel, and to enable the load to react on the nuts to hold them more securely in position when the wheel is in service under present-day high power and speed conditions.

A more specific description of appellant's device is found in the brief of the Solicitor for the Patent Office:

The application relates to a tire rim mount and discloses a wheel having a rim including an endless ring 7 provided with ribs or flanges 8 adapted to be engaged by quick detachable split tire flanges 9, and an integral inner rib 10 which has a series of apertures 11 for threaded studs 6 which hold the wheel body disc 3 to the rib 10. Each stud 6 is located in a depression 4 of the disc 3 and is immovably secured thereto. For holding the rim in position against the side of the body, there are provided nuts 12 on the studs 6 which engage the outboard side of the rib 10 and have in the apertures 11 substantially cylindrical skirts 13 filling the space between the studs and the walls of the apertures. By an inspection of Fig. 2, it will be observed that the body flange 5 is not in contact with the tire flange 9, and that the nut skirts 13 constitute the only means for positioning the rim concentric with, and free from the periphery of, the body.

The basic reference is the French patent to Olier. It relates to a method of securing metallic wheels of stamped sheet iron, and shows a form of joint between the flanges of the hub and the wheel disc. Figure 2 of the drawings shows these parts held together by a stud having a nut at the left which, it is argued by the Solicitor for the Patent Office, "obviously can secure the stud immovably in the flange of the hub." At the right is another nut with a long skirt which fills the space between the stud and the hole in the wheel disc in which it is placed.

The patent to Hunt was cited as disclosing riveted studs immovably securing the brake drum and disk body of a disk wheel mounting to the hub flange, and that to Wagenhorst as showing a rim attaching flange substantially similar to the rib used by appellant in attaching his rim. The Seiberling patent was cited in connection with the rejection of claim 5, as anticipating that feature of the claim embraced in the clause reading "a rim provided with outer ribs adapted to engage split tire flanges." The patent to Prescott was cited by the Examiner in connection with his rejection of claim 5 upon the ground of aggregativeness.

The brief of appellant insists that the Olier device is a fair example of a "demountable wheel" while appellant's device is a fair example of a "demountable rim"; that these are never confused in the industry; that the rim shown in Olier's wheels "is readily recognizable as an older and well known non-demountable clincher rim of the type that were riveted or welded on the peripheries of steel disk wheel bodies"; that Olier's invention plainly resided in a specific conical wheel body mount on a hub, the rim being no part of the invention, and that appellant's improvement could not result from substituting any of the demountable rims of the other references for Olier's non-demountable rim,

because no reference of record discloses the required construction, or force employed, or principle involved, or functions performed, or effect produced thereby.

Appellant shows openings in the disk through which pass threaded studs, the openings being larger than the studs. The nuts for the studs are provided with skirts which enter the openings and protect the threads of the studs. The studs are immovably secured to the wheel body and remain permanently in place. When it is desired to detach the rim the nuts are unscrewed. When the rim is replaced the nuts are screwed to proper position upon the studs. This arrangement positions the rim concentric with the periphery of the wheel body, but free therefrom, and there is obtained the result whereby a load upon the wheel locks the nuts in position without placing stress upon the threads of the studs.

Olier unites his wheel parts in substantially the same manner, that is by studs inserted through openings larger than the studs, one of the nuts which fits over one of the studs having a skirt for filling the space between the stud and the hole. A result obtained by this patent is stated to be that of relieving the studs—

in whole or in part of the stresses due to propulsion and to jolts on the road.

It would seem, therefore, that appellant has applied, in attaching his rim to the wheel, substantially the same principle and much the same form of structure applied by Olier in uniting his wheel parts.

We are of the opinion that the holding of the tribunals of the Patent Office as to Olier and Hunt teaching the "immovability" feature of the studs is correct, as are the holdings with respect to Wagenhorst anticipating the feature of the rib dimensions and Seiberling the features already noted.

So the question is resolved into one of whether it involved invention to apply to appellant's rim structure that which, substantially, Olier applied to his wheel structure.

We feel constrained to differ from the tribunals of the Patent Office with respect to this, because it seems to us that the problems which appellant and Olier sought to solve were distinct from each other. Olier was dealing with a problem relating to a wheel structure in which the matter of a detachable rim had no place. Appellant's problem was solely with the rim.

It is not claimed that any of the other references are anticipatory except as to the special features already described, and these do not affect the question of the patentability of appellant's combination as a combination.

As has been stated, claim 5 was also rejected as aggregative. It seems to include the specific rim structure and this appears to be anticipated by Seiberling. The Board of Appeals says,

• • • we are satisfied that the specific manner of mounting the rim is not in any way affected by the nature of the rim per se and that there is no patentable combination between the specific rim and the specific mounting.

To us the statement of the Examiner is somewhat clearer than that of the Board. He says:

Claim 5 was rejected as drawn to an aggregation of a specific rim mounting means and a specific tire mounting means. The two specific features are independent of each other and each might be used without the other specific structure.

Appellant contends, in substance, that this claim is substantially the same as claim 1, only more specific.

Notwithstanding this contention, we are of the opinion that the construction given the claim by the concurring decisions of the Patent Office tribunals is correct, and that their expert opinions upon that should prevail.

The decision of the Board of Appeals is reversed as to claims Nos. 1, 2, 3, and 4 and affirmed as to claim No. 5.

Modified.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

DAVIS, HAMPTON AND KLEMGARD *v.* ISHAM AND LYONS

No. 3,328. Decided June 12, 1934

[71 F.(2d) 204]

INTERFERENCE—PRIORITY—RIGHT TO MAKE THE CLAIMS.

Record reviewed and *Held* that I. & L. are entitled to make the claims in issue and that priority was properly awarded to them.

APPEAL from the Patent Office. Affirmed.

Mr. Charles M. Thomas, Mr. Frederick S. Lyon, Mr. Francis D. Thomas, and *Messrs. Lyon & Lyon* for Davis et al.

Mr. Edmund G. Borden and *Mr. J. Austin Stone* for Isham et al.

GARRETT, *J.:*

This is a proceeding in which appeal has been taken from the decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Examiner of Interferences, awarding priority of invention to appellees upon three counts (being all the counts) of an interference.

The interference involves Patent No. 1,705,809, issued to appellants March 19, 1929, on an application filed June 2, 1928 (the same being a renewal of one filed October 15, 1924), entitled "Process of removing sulphur compounds from petroleum oils," and an application (Serial No. 671,645) filed by appellees October 30, 1923, entitled "For improvements in gasoline manufacture with by-product recovery."

Count 1, which is regarded as typical, reads as follows:

1. In a process of treating cracked petroleum naphtha and similar high sulphur petroleum distillates with sulphuric acid to remove sulphur bodies, substantially reducing the polymerization of the unsulphured bodies by treating the oil at below 38° F. with an acid of lower freezing point than the reaction temperature.

The counts, which appeared as claims 3, 4, and 5 in the patent of appellants, were copied by appellees December 8, 1930, upon the suggestion of the Primary Examiner, for the purpose of interference, and the interference was declared February 14, 1931.

Appellees filed preliminary statement April 23, 1931, alleging conception, disclosure to others, written description and the making of apparatus drawings and reduction to practice, all in the month of July, 1923.

The preliminary statement of appellants, filed April 27, 1931, alleged conception, explanation to others, written description, and reduction to practice, all on or about June 14, 1923; the making of apparatus drawings on or about August 6, 1924; embodiment of the invention "in a semi-commercial scale plant" in August, 1925, and utilization "since about September 21, 1927," in a "ten thousand barrel per day capacity commercial plant."

On August 10, 1931, a disclaimer, dated August 8, 1931, was filed in the Patent Office by Standard Oil Company of California, the assignee of appellants. This disclaimer was published in the OFFICIAL GAZETTE of September 1, 1931, and recites that assignee:

Hereby does disclaim from the scope of claims 1, 2, 3, 4, and 5 of said Letters Patent any and all processes of treating petroleum oils, except processes of treating petroleum oils in which the major part of the unsaturated constituents of the petroleum oils is retained in the treated oil.

On August 8, 1931, appellants filed motion to dissolve the interference, reciting therein the filing of the disclaimer above quoted, and stating the grounds relied upon for dissolution. This motion was supplemented by another filed September 15, 1931.

The decision of the Examiner of Interferences, denying the motion to dissolve, was rendered December 30, 1931, and times set for the taking of testimony. On April 25, 1932, Davis et al., having failed to take testimony within the time fixed, judgment on the record was rendered in favor of Isham et al., the senior parties, which judgment was affirmed by the Board of Appeals in the decision now before us for review.

An analysis of the counts at issue, considered alone from their text, leads to the conclusion that there are two general but interrelated objectives of the process, viz, (1) the removal of sulphur bodies from cracked petroleum naphtha and similar high sulphur petroleum distillates, and (2) a substantial reduction of the polymerization of the bodies so unsulphurized, the latter apparently being, so far as the counts extend, the ultimate end desired. To accomplish these purposes, both of which are integral parts of the general end sought, sulphuric acid is used in the manner described in the counts.

There is no recital of function in the counts and no statement as to the eventual use or uses of the products produced by the process.

To obtain an idea respecting this, we must look beyond the counts to the respective specifications of the patent and application at issue. When these are so looked to, it appears that, in a broad sense, the parties had different objectives—that is, they expected generally to use the products respectively produced by them for different purposes.

Appellees seek a product for use in the production of industrial alcohols, while appellants wish to obtain a gasoline of high non-detonating value for use in internal combustion engines. It is explained that in gasoline there are certain hydrocarbon bodies called olefines.

Appellees' eventual objective being the production of alkyl sulphates (to be "afterward hydrolized to produce alcohols"), they introduce "cold concentrated sulphuric acid," which, as it passes downward through a pipe of the apparatus used by them, "reacts with olefines to form acid alkyl sulphates." Apparently the resultant refined gasoline product

(which is not a primary objective of appellees) is one which is largely denuded of the unsaturated hydrocarbons, or olefines.

To the product which appellants sought to obtain, however, these unsaturated hydrocarbons or olefines are highly essential and it is desired to retain them.

The broad *objectives* sought by the respective parties appear, therefore, to be different, although the *processes* are broadly the same.

Success in obtaining the respective objectives depends, it appears, wholly upon the *quantity* of sulphuric acid used, appellees utilizing a much greater quantity than is utilized by appellants. The counts, however, teach nothing definite as to quantity, but it is argued by appellants that this is a matter obvious to those skilled in the art.

In this connection it is deemed proper to direct attention to the fact that while appellees in their specification emphasize the object of producing acid alkyl sulphates, it is also said:

> Other objects and advantages of our invention will appear to those skilled in the art from the following description taken with the accompanying drawing * * *.

The assignee of appellants, evidently realizing that the disclosure of appellees supports the counts, as broadly drawn, and allowed in the patent, and probably realizing appellees' priority, entered the disclaimer quoted, supra, and it is insisted that, construing the disclaimer as part of appellants' claims (now the counts), they become so limited in their scope as to avoid appellees' disclosure.

The tribunals of the Patent Office concurred in holding that, as expressed by the Board of Appeals,

> If the disclaimer should be interpreted to so limit the process that in carrying it out the unsaturated constituents would be retained in the finished gasoline, such claims would not, we consider, read on the disclosure of Isham et al.,

but they also concurred in holding, to quote the Board again, that—

> * * * the disclaimer can not be construed as limiting the scope of the claims of the patent.

As we view it, the controvery must be determined, so far as this court is concerned, solely upon this issue. Other issues are raised by appellants. One of these calls in question the sufficiency of appellees' disclosure to support the counts, even independent of the disclaimer; another suggests that the counts are ambiguous and uncertain and broader than the invention of either of the parties, and a third relates to the question of patentability over the prior art. The decision of the Board of Appeals upon these three latter issues we regard as correct, and they will not be further discussed.

The pertinent portion of the opinion of the Board of Appeals, relating to the issue raised by the disclaimer, reads:

> After a careful consideration of the claims and the disclaimer as well as the contentions of the parties, we feel that the disclaimer can not be construed as limiting the scope of the claims of the patent. While the disclaimer states that the major part of the unsaturated constituents is retained the disclaimer does not indicate any change in the steps of the process, the materials employed or the temperatures at which the treatment is carried out. If, as urged by Davis et al. they in carrying out the process defined by the claims retain the major part of the unsaturated constituents, while Isham et al. in carrying out the process convert the unsaturated constituents into alkyl sulphates this difference in results must be due to some such factor as, for example, particular proportions of sulphuric acid. Even if, as contended to Davis et al., the required proportions could be readily determined by a chemist, there is nothing in the disclaimer to indicate that the proportions are material. The mere statement that in the resulting products the unsaturated constituents are retained does not, we consider, in any way limit the process, and we must agree with the Examiner of Interferences that the disclaimer is ineffectual to limit the claims.

Before this court the pertinent arguments on behalf of appellants are, in effect, first, that the processes of the respective parties are diametrically opposite and, second, that the disclaimer is not functional, or, if thought to be functional in form, it still has a meaning as part of the claims (now the counts) which limits them.

As we have heretofore indicated, the first argument is not well taken. The *processes* are broadly the same; only the *broader objectives* differ. This is certainly true when the counts are considered independent of the disclaimer, and we think it remains true even if the disclaimer may properly be taken as a part of the counts.

The language quoted, supra, from appellees' specification relating to "other objects and advantages" which may be obtained from their process is itself very broad, and the subsequent recital of the details of the process do not, in our opinion, necessarily limit appellees to a treatment whereby the "major part of the unsaturated constituents of the petroleum oils" *must* be separated from the treated oil. They may leave the major part in, if desired, because the extent of the separation, as has been said, depends upon the quantity of acid used and this, according to appellants' own argument, is determined by those skilled in the art, the quantity used being selected with reference to the product desired.

As to the second argument, respecting the functional character of the disclaimer, it seems obvious to us that it is clearly functional and only functional. No step is disclaimed; one result out of several possible results of the process is stated, and even this one result is not definite.

It remains only to be considered, whether treating it as purely functional, the disclaimer may be held to place a limitation in the counts which renders proper an interpretation of them that eliminates appellees.

Upon this phase of the issue counsel for appellants have cited numerous authorities. We shall not review them here. We deem it sufficient to say that it is not thought that under the proper construction of the disclaimer it states the function in language which brings it within the doctrine of the cases relied upon, or within that stated by Walker on Patents, Sixth Ed., sec. 229, from which counsel quote the following:

> Claims which are functional in form; that is to say, claims which literally purport to cover a result rather than a process or a thing, are properly construed to cover only the process or the thing which produces that result, for otherwise such claims would be void.

The difficulty in applying this statement to the disclaimer of appellants is that the disclaimer is itself so broad and indefinite as that we are unable to say that the degree of its limitation eliminates appellees.

The case of *Holland Furniture Company* v. *Perkins Glue Company*, 277 U. S. 245, 372 O. G. 517, is cited as "the leading decision of the Supreme Court" having a bearing upon the question. From our examination of the case, we cannot agree that it is in point here.

Three product claims of "a patent for starch glue and a method of making it," issued to one Perkins, were there involved in an infringement suit. One of these claims (No. 28) defined the glue as "having substantially the properties of animal glue." Others (Nos. 30 and 31) gave specific descriptions of the ingredients with the proportions of water to be used.

The court looked to claims 30 and 31 in construing claim 28, but in the end held claim 28 invalid, saying that—

> One attempting to use or avoid the use of Perkins' discovery as so claimed and described functionally could do so only after elaborate experimentation.

The opinion discloses that in the progress of that case there had been disclaimers with respect to certain process claims, but the process claims were not involved before the Supreme Court, and what was said of them in the opinion is not helpful here. It is not known just what the original process claims contained and hence we are unable to interpret the real meaning of the disclaimers there made. It seems, however, that they were disclaimers of *steps*, or at least parts of *steps*. Here we have only the disclaimer of a function.

It is our opinion that the Board of Appeals reached the correct result in the case, and its decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,248,558, L. A. Scribner, Coupling, D. C., S. D. Calif. (Los Angeles), Doc. X-84-C, *E. T. Wallace* v. *Safety Sales Co.* Dismissed with prejudice Aug. 7, 1934.

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1,965,527, G. A. Lyon, Cover for spare tires of automobiles, filed Oct. 6, 1934, D. C., E. D. Mich. (Detroit), Doc. 6583, *Lyon, Inc., et al.* v. *Detroit Cover Co.*

1,966,722, A. C. Hoof, Governor, filed Aug. 2, 1934, D. C., N. D. Ill., E. Div., Doc. 14017, *Hoof Products Co.* v. *Klemm Automotive Products Co.*

1,970,735, F. W. Carlson, Apparatus for baking pies, filed Sept. 11, 1934, D. C. Minn., 4th Div., Doc. E 2787, *Paramount Pies, Inc.*, v. *Lakeview Bakery Co., Inc.*

1,970,841, R. B. Cottrell, Truck, filed Oct. 4, 1934, D. C., N. D. Ohio, E. Div., Doc. E 5046, *American Steel Foundries* v. *National Malleable & Steel Castings Co.*

Re. 15,061, Cantrell & Miller, Oil retainer, filed Sept. 13, 1934, D. C., N. D. Calif. (San Francisco), Doc. E 3775–K, *National Motor Bearing Co., Inc.*, v. *The Garlock Packing Co.*

Re. 15,532, H. L. Fellowes, Foldable box and blank therefor, filed July 19, 1934, D. C., N. D. Ill., E. Div. Doc. 13997, *Bankers Box Co.* v. *National Fiberstok Envelope Co.*

Re. 15,824. (See 1,451,491.) Re. 17,528. (See Re. 18,100.)

Re. 17,667. (See Re. 18,100.)

Re. 18,100 (of Re. 17,667, Re. 17,528, 1,702,878), Mersfelder & Balze, Clean out plug, D. C. N. J., Doc. E 4840, *M. & B. Mfg. Co., Inc.*, v. *Conrad Foundry Co.* Decree for injunction July 27, 1934.

Re. 18,123, W. L. Morris, Grease feeder, filed July 21, 1934, D. C., N. D. Ill., E. Div., Doc. 14002, *The Lubrication Corp. et al.* v. *J. R. Lo Vally et al.*

Re. 18,346, D. Lakenbach, Hair waving means, D. C., S. D. N. Y., Doc. E 70/166, *D. Lakenbach* v. *The Nestle-Le Mur Co., Inc.* Consent order of discontinuance Sept. 27, 1934.

Re. 18,755 (of 1,842,660), F. J. Day, Air conditioning means, filed Oct. 2, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E D–75, *F. J. Day* v. *H. M. Scott et al.* Same, filed Oct. 4, 1934, D. C., N. D. Calif. (Sacramento), Doc. 1196–S, *F. J. Day* v. *N. G. Murrie et al.*

Re. 19,028, L. Sugerman, Twin-section egg carton, D. C., S. D. Ohio, W. Div., Doc. E 724, *L. Benoit* v. *The F. H. Blome Co.* Dismissed for want of equity Oct. 2, 1934.

Re. 19,127, H. Krum et al, Fruit slicing machine, filed Sept. 11, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 73–D, *J. H. Chambers* v. *Roeding Fig & Olive Co.*

Des. 80,059, A. von Frankenberg, Smoking stand, filed Oct. 1, 1934, D. C., E. D. N. Y., Doc. E 7384, *Frankhart, Inc.*, v. *Everlite Novelty Mfg. Co. et al.*

Des. 86,089, G. Ainsworth, Lighting fixture, filed Oct. 11, 1934, D. C., E. D. N. Y., Doc. E 7393, *G. Ainsworth et al.* v. *Gleason-Tiebout Glass Co.*

Des. 89,274,M . B. Cherniak, Lighting fixture globe, D. C., S. D. Calif. (Los Angeles), Doc. E Z–117–J, *M. B. Cherniak* v. *Crystalite Products Corp. et al.* Dismissed for want of prosecution Sept. 12, 1934.

Des. 90,142, R. P. Ridges, Vanity case, filed July 5, 1934, D. C., N. D. Ill., E. Div., Doc. 13976, *Illinois Watch Case Co. et al.* v. *N. Shure Co.*

Des. 90,349, H. M. Wexberg, Menu card, filed Aug. 9, 1934, D. C., N. D. Ill., E. Div., Doc. 14029, *H. M. Wexberg* v. *Eitel, Inc.*

Des. 91,555, H. H. Dulany, Salt and pepper shaker assembly, D. C., S. D. N. Y., Doc. E 78/270, *H. H. Dulany* v. *Weil-Freeman, Inc., et al.* Dismissed without prejudice (notice Oct. 4, 1934).

Des. 91,735, D. W. Price, Dress, filed Oct. 10, 1934, D. C., S. D. N. Y., Doc. E 79/57, *Price-Schlesinger, Inc.*, v. *Ace-High Dresses, Inc.*

Des. 92,968, L. B. London, Reflector, filed Sept. 20, 1934, D. C., S. D. N. Y., Doc. E 79/13, *H. Fox (Electric Light Saver Co.)* v. *L. F. Webster (Webster Electrical Co.)*. Doc. E 79/14, *H. Fox (Electric Light Saver Co.)* v. *M. B. Cherniak.*

Des. 93,030, B. B. Manaster, Cravat holder, filed Aug. 24, 1934, D. C., N. D. Ill., E. Div., Doc. 14050, *B. B. Manaster* v. *J. O. Pollack & Co. et al.*

Des. 93,213, A. Goodman, Dress, filed Oct. 8, 1934, D. C., S. D. N. Y., Doc. E 79/48, *A. Goodman & Co., Inc.*, v. *Century Frocks, Inc.*

Disclaimers

1,243,458.—*Gideon Sundback*, Meadville, Pa. SEPARABLE FASTENER. Patent dated October 16, 1917. Disclaimer filed November 13, 1934, by the assignee, *Hookless Fastener Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 15 of the said patent.

1,566,996.—*Gideon Sundback*, Meadville, Pa. SEPARABLE FASTENER SLIDER. Patent dated December 22, 1925. Disclaimer filed November 13, 1934, by the assignee, *Hookless Fastener Company.*

Hereby enters this disclaimer to claims 6, 12, and 13 of the said patent.

1,589,947.—*Judson A. De Cew*, New York, N. Y. METHOD OF SIZING CELLULOSE FIBERS. Patent dated June 22, 1926. Disclaimer filed November 8, 1934, by the assignee, *Process Engineers, Inc.*

Hereby enters this disclaimer of claims 1 and 2 and of that part of the thing patented which is embraced by claims 1 and 2 in said specification, which are in the following words, to wit:

"1. A method of sizing paper, which consists in adding the size and alum to the paper stock after the fibers of said stock have passed through the Jordan.

"2. A method of sizing paper, which consists in adding a size solution to the paper stock after said stock has been treated by the Jordan."

1,843,788.—*Harold T. Seeley*, Yeadon, Pa. CONTROL SYSTEM. Patent dated February 2, 1932. Disclaimer filed November 9, 1934, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"8. In combination, two alternating current circuits, an electroresponsive device connected to said circuits so that it is energized in response to a function of a voltage of one of said circuits and a voltage of the other of said circuits, a control circuit, and means controlled by said electroresponsive device for completing said control circuit for a predetermined length of time, another electroresponsive device connected to said circuits so that it is energized in response to a function of said voltage of said one of said circuits and another voltage of said other of said circuits, a second control circuit, means controlled by said last mentioned electroresponsive device for completing said last mentioned control circuit for a predetermined length of time, and means controlled by said devices for preventing both of said control circuits from being simultaneously completed."

1,855,054.—*John Kelly Johnson*, Hartsdale, N. Y. HIGH-FREQUENCY COUPLING SYSTEM. Patent dated April 19, 1932. Disclaimer filed November 12, 1934, by the assignee, *Hazeltine Corporation.*

Therefore, enters this disclaimer to claims 4 and 5 of said Letters Patent, which, subject to the disclaimer filed May 6, 1933, are in the following words, to wit:

"4. A high-frequency coupling system comprising an input circuit and an output circuit, each of said circuits including an inductance element, which inductance elements are spaced to provide a coefficient magnetic coupling substantially less than unity, said inductance elements being placed so close together that there is a strong magnetic field therebetween when said inductances act alone, and means which comprises a magnetic shield associated with said inductance elements for producing a magnetic field which is weaker than, and which opposes, said strong magnetic field, whereby the resultant magnetic field interlinking said inductances is relatively weak as compared with said strong magnetic field.

"5. A high-frequency coupling system according to claim 4 in which said means for producing the weaker magnetic field is a conducting ring surrounding said coils."

1,867,610.—*Jack L. Bitter*, Elizabethton, and *Richard Elsner*, Johnson City, Tenn. TREATMENT OF ARTIFICIAL FILAMENTS. Patent dated July 19, 1932. Disclaimer filed November 10, 1934, by the assignee, *North American Rayon Corporation.*

Hereby disclaims from the scope of claims 1, 4, and 5 of said Letters Patent any method or process other than those in which the artificial filaments or yarn are dried at about 70° C. on each holder or spool and/or in which the artificial filaments or yarn are desulphurized and subsequently twisted and rewound onto the second holder or spool.

1,934,882.—*Harold R. Ranken*, Philadelphia, Pa. MEASURING APPARATUS. Patent dated November 14, 1933. Disclaimer filed November 13, 1934, by the assignee, *Leeds and Northrup Company.*

Therefore, enters this its disclaimer to claims 1, 2, 12, and 32 of said Letters Patent, which are in the following words:

"1. Apparatus of the character described comprising a deflecting element, means for intermittently clamping said element, a feeler, means for intermittently moving said feeler away from said deflecting element, and spring means effecting return movement of said feeler into engagement with said element while clamped.

"2. Apparatus of the character described comprising a deflecting element, means for intermittently clamping said element, a feeler, cam structure for intermittently moving said feeler away from said deflecting element, and spring means for moving said feeler, when released from said cam structure, into engagement with said deflecting element while clamped.

"12. Apparatus of the character described comprising a deflecting pointer, means for intermittently clamping said pointer, an oscillating feeler for engaging said pointer while clamped, a driven clutch member mounted concentrically with said feeler, a driving clutch member movable with said feeler, the engagement of the feeler with the pointer determining the setting of the driving clutch member, and means for rotating said driving clutch member, after being set and while engaging said driven member, through an angle determined by its setting."

"32. Apparatus of the character described comprising a deflecting element, means for intermittently clamping said element, a pair of feelers on opposite sides of said element, means for intermittently moving said feelers simultaneously away from said deflecting element, and spring means connecting said feelers and adapted to effect their return toward engagement with said element while clamped."

1,951,536.—*George W. Swift, Jr.*, Bordentown, N. J. VARIABLE DRIVE MECHANISM. Patent dated March 20, 1934. Disclaimer filed November 10, 1934, by the assignee, *George W. Swift, Jr. Inc.*

Hereby enters this disclaimer to the claim of the aforesaid Letters Patent which is numbered 18 therein.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 4, 1934

[VOL. 449. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 356,664. HEVEATEX CORPORATION, Melrose, Mass. Filed Oct. 2, 1934.

CONCENTROLAC

For Rubber Latices Which Are Used in the Manufacture of a Wide Variety of Rubber or Rubber-Containing Articles of Commerce, Such as So-called Dipped Rubber Goods, Rubber-Coated and Rubber-Impregnated Goods, Rubber Sponges, and Rubber Sheeting.

Claims use since Jan. 26, 1934.

Ser. No. 357,310. THOMPSON-EHLERS COMPANY, Chicago, Ill. Filed Oct. 19, 1934.

PROSPERITY

For Tanned Sole Leather in Taps and Bends.

Claims use since Mar. 1, 1933.

Ser. No. 357,335. A. & J. ENGEL, INC., New York, N. Y. Filed Oct. 20, 1934.



The word "Beaver" is disclaimed apart from the mark.

For Fur Skins.

Claims use since Oct. 15, 1934.

CLASS 2

Receptacles

Ser. No. 354,953. HYMAN R. SEGAL, New York, N. Y. Filed Aug. 13, 1934.



For Empty Compacts and Cosmetic Receptacles with an Incidental Key-Holding Attachment Made of Base Metal and/or Enamel.

Claims use since July 1, 1933.

Ser. No. 357,272. CLARICE JANE INC., Elgin, Ill. Filed Oct. 19, 1934.

Clarice Jane

For Vanity Cases, Compacts, and Cosmetic Containers.

Claims use since February, 1932.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 356,533. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Sept. 28, 1934.

PMC

For Soap Flakes or Chips, Soap Stock, Castor-Oil Soap, Pumice (Volcanic Ash), Blue Powder Used for Detergent

Purposes, a Mixture of Calcium Hypochlorite and Soda Ash Used for Detergent Purposes; a Crystalline, Alkaline Compound for General Cleaning; (List "A"): Alkalis (Powdered, Causticized Ash, Containing Different Proportions of Caustic Soda and Soda Ash) Used for Building Soap in Laundries, for Washing Bottles in Dairies, Breweries, and Bottling Plants, and for Cleaning Metal and the Like; Ammoniated Cleaner or Ammoniated Dish-Washing Powder; a Cleaner and Cleanser for Dairies and the Like; a Cleaning Powder Consisting of Soft, Fluffy, Refined Volcanic Ash Blended with Natural Soap and Emulsifying Agents for Use in Cleaning and Polishing Marble, Porcelain, Aluminum Ware, Surgical Instruments, Etc.; a Granulated Soap; a Cleaner for Removing Oil and Grease from Steel and Iron Drums, Automobiles or Metal Parts Prior to Enameling, Plating, or Galvanizing; a Soap Powder or Compound for Use by Laundries, Etc.; A Liquid Hand Soap, a Liquid Scrubbing Soap for Cleaning All Types of Floors, a Cleaner for All-Around Dairy Use; a Specially Concentrated Sodium Carbonate Washing Powder, Slightly Modified by Addition of Soap Powder, Intended for Cleaning Dirty Walls, Floors, Etc.; a Powder Developed Especially for Removing Hardened Grease, Oil, Residue, Discoloration, Etc., from Greasing Pits and Racks, Garage Floors, Steel and Iron Parts, Etc.; Vegetable-Oil Soap; a Quick Soluble Vegetable-Oil Soap, Manufactured Especially for Cleaning Hides, Also Known as Tanners' Soap; Soap Powders; an Exceptionally Hard, Concentrated, Boiled Down, Yellow Soap Used for Scrubbing and Cleaning Floors, Walls, Automobiles, Dishes, and All General Cleaning Purposes; a White Cleaning Powder for Removing Milkstone and Hardened Precipitates in Dairies, Meat Packing Plants, Etc., Scouring Powder for Use in Cleaning Dirty Floors, Walls, Paint, Tubs, Aluminum Ware, Etc.; a Cleanser for General Cleaning, Sterilizing, and Sweetening in Dairies, Condenseries, Industrial Plants, Etc.; a Fine White, Completely Soluble Cleaning Powder for General Industrial and Household Use; (List "B"): a Cocoanut-Oil Soap Paste for Dilution with Distilled Water to Make Liquid Hand Soaps and Shampoos of Desired Consistency; a Liquid Soap for Use in Making Liquid Hand Soaps and Shampoos of Desired Consistency by Diluting with Distilled Water; a Chemical Cleaning Powder, Especially Adapted for Restoring Original Luster to Stained and Discolored Tile and for Use in Removing Precipitates, Rust, and Slippery Films from Swimming Pools, Showers, Lockers, and Bathrooms.

Claims use since 1910 on soap flakes or chips and soap stock; since 1913 on castor oil soap; since 1928 on pumice; since 1930 on blue powder and mixture of calcium hypochlorite and soda ash; since 1933 on crystalline, alkaline compound for general cleaning; since 1931 on goods in List "A" above; and since 1932 as to goods in List "B" above.

Ser. No. 356,728. EDWARD LONGI, New York, N. Y. Filed Oct. 3, 1934.

TRY OLIM AND BELIEVE

For Soap Washing Powder.
Claims use since Sept. 24, 1934.

Ser. No. 356,768. HOOKER GLASS & PAINT MFG. CO., Chicago, Ill. Filed Oct. 4, 1934.

Crystal Spray

No rights are claimed for the word "Spray" apart from the mark shown.

For Glass Cleaning Preparation for Windshields, Windows, Mirrors, and Show Cases.
Claims use since Dec. 1, 1932.

Ser. No. 356,789. B. M. LOUCKS, doing business as The Zoff Company, St. Joseph, Mo. Filed Oct. 4, 1934.

ZOFF
Without Water!

The words "Without Water" are disclaimed apart from the mark shown.

For Soap in Paste Form.
Claims use since Sept. 19, 1934.

CLASS 5

Adhesives

Ser. No. 356,521. S. C. JOHNSON & SON, INC., Racine, Wis. Filed Sept. 28, 1934.

Rug TAKS

For Sheets of Fabric Having on One Side a Coating of Glue for the Purpose of Affixing It to the Underside of Rugs and Having on the Other Side a Frictional Surface Which Adheres to the Floor.
Claims use since June 10, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 343,797. SOCIETÀ ANONIMA FRATELLI BRANCA, Milan, Italy. Filed Nov. 17, 1933.



No claim is made to the words "Bitter", "Milano", and "Distillerie" apart from the mark. The drawing is lined for red, blue, and black.

For Stomach Bitters.
Claims use since Jan. 1, 1933.

Ser. No. 348,414. SMITH LABORATORIES, Chicago, Ill. Filed Mar. 9, 1934.



For Eyewash.
Claims use since Oct. 16, 1933.

Ser. No. 348,715. NICOCIN LIMITED, London, England. Filed Mar. 16, 1934.

NICOCIN

For Confection for Neutralizing the Effect of Nicotine on the Human System.
Claims use since June 25, 1932.

Ser. No. 348,833. POMMALIC LABORATORIES, INC., Los Angeles, Calif. Filed Mar. 19, 1934.

Pomex

For Use as a Tonic in Building Body Resistance, to Counteract Excessive Acid Conditions, to Increase Alkalinity in the System, for Use as an External Medicine in the Treatment of Chronic Skin Ulcers and Ulcerated Condition of the Mouth; Open Skin Lesions, Either Acute or Chronic, Including X-ray and Radium Burns; as an Internal Medicine for General Debility, Anemia, Anorexia, Neurasthenia, Biliousness, Malnutrition, Nausea, and in All States of Convalescence.

Claims use since October, 1931.

Ser. No. 351,668. HARRY R. WALDE, doing business as Walde's Wonder Salve, Waverly, Fla. Filed May 21, 1934.

WALDE'S
WONDER SALVE

No claim is made to the word "Salve" apart from the mark shown.

For Salve for Sores, Infected Wounds, Sore Eyes, Burns, Boils, Bruises, and Sprains.
Claims use since Dec. 1, 1933.

Ser. No. 353,658. JÜNGER & GEBHARDT A. G., Berlin, Germany. Filed July 9, 1934.

Orelia

For Eau de Cologne, Perfumery, Ethereal Oils, Cosmetics—Namely, Cosmetic Powder, Cosmetic Creams, Tooth Wash, Hair Wash, Nail Polish, Preparations; Starch for Laundry Use and Chemical Stain Removers.
Claims use since 1933.

Ser. No. 354,949. MAC C. SANDLER, doing business as Circu-Trol Company, Los Angeles, Calif. Filed Aug. 13, 1934.

CIRCU-TROL

For Pharmaceutical Preparation Used for Relief of High Blood Pressure, Hardening of the Arteries, and Kidney Disease.
Claims use since Apr. 1, 1932.

Ser. No. 355,186. ENSTAM-HUNTER HAIR INVIGORATOR COMPANY, Los Angeles, Calif. Filed Aug. 20, 1934.

BALD KNOB

For Hair and Scalp Preparation, Toilet Lotion, and a Preparation Generally Referred to in the Trade as a Masque Adapted to Soften the Skin and Remove Wrinkles.
Claims use since June 18, 1934.

Ser. No. 355,637. RIVIERA CHEMICAL PRODUCTS CO., New York, N. Y. Filed Aug. 31, 1934.

VLAKOV
ELIXIR STOMATICO
Corroborante
RIVIERA CHEMICAL PRODUCTS CO.
N.Y.

All wording with the exception of "Vlakov" and "Riviera Chemical Products Co." are disclaimed apart from the mark.
For Preparation of Medicine for Use as an Appetizer, a Digestive, and a Body Builder.
Claims use since July 1, 1934.

Ser. No. 355,877. JULIUS BLACKMAN, INC., doing business as Supreme Pharmaceutical Company, Chicago, Ill. Filed Sept. 10, 1934.

Supreme

For Pharmaceutical Preparations—Namely, Acetphenatedin (Phenacetin), Acid Phenylcinchoninic (Conchophen), Acriflavine, Amidopyrine, Anesthesin Powder (Benzocaine U. S. P.), Antipyrine Salicylate Powder, Antipyrine (Phenazone) Aspirin, Aspirin Compound Tablets, Aspirin Elixir, Barbidon, Barbital, Barbital Sodium, Baume Analgesic, Bichloride of Mercury (Corrosive Mercuric Chloride), Bile Salts, Blaud Mass Pills, Bone Marrow, Brain Substance, Effervescent Fountain Salts, Bromural, Burn Ointment (Superguentum), Calcium Gluconate Granular, Calcium Lactate, Cascara Sagrada, Cascarin Compound, Chloramine, Citrates and Carbonates, Cod Liver Oil, Colloidal Iodide (Supargent), Compound Cathartic Pills; Corpus Luteum Capsules, Tablets, and Powder; Tablets of Calomel, Pil. Rhubarb Compound, and Pil. Colocynth Compound; Diallyl (Diallyl Barbituric Acid), Diuretin, Elixir Barbital, Elixir Enzymin, Elixir Phenallyl, Ephedrine Alkaloid Powder, Ephedrine Hydrochloride, Ephedrine Inhalant, Ephedrine, Ephedrine Jelly, Ephedrine Sulphate, Epinephrin Solution, Epinephrin and Ephedrine Sulphate Compound, Ethyl Chloride U. S. P., Fluid Extract of Ergot, Hexamethylene, Ichthosal, Ichthyo Sulpho Ammonium, Laxative Quinine, Liver Extract, Lassars Zinc Paste, Mammary Substance, Milk of Magnesia, Mixed Gland Compound, Nasal Drops, Neocinchophen, Neuralgesic Tablets, Ammoniated Mercury Ointment, Belladonna Ointment, Boric Acid Ointment, Boric Acid Ointment with White Petrolatum, Carbolic Acid Ointment, Compound Resorcinol Ointment, Diachylon Ointment, Ammonium-Ichthyo-Sulphonate Ointment, Stainless Iodine Ointment with Methyl Salicylate, Stainless Iodine Ointment, Sulphur Ointment, Tar Ointment, Ointment of Rose Water, Simple Ointment, Vaporizing Ointment, Ointment of Yellow Mercuric Oxide, Zinc Ointment, Orchic Substance, Ovarian Substance, Ox Gall Powder, Oxyquinoline Sulphate, Pancreas Substance, Parathyroid Powder and Tablets, Phenacetin Tablets, Phenacetin and Salol, Phenethyl Allyl Barbituric Acid; Phenethyl Allyl Barbituric Acid with Ephedrine, Capsules; Pituitary (Whole Gland), Tablets and Powder; Potassium Chlorate Tablets, Potassium Guaiacol Sulphonate, Potassium Permanganate, Novocaine Powder, Psyllium Emulsion, Quinine Capsules and Pills, Rhinitis Tablets, Rhubarb and Soda Tablets, Rosin Cerate, Saccharine Tablets, Salol, Santal Compound Pearls, Silver Nucleinate, Silver Proteinate, Soda Mint, Soda Mint and Pepsin, Sodium Bicarbonate, Sodium Chloride, Sodium Phenallyl, Sodium Salicylate, Laxative Phenolphthalein Compound Pills, Superphos (Wine of Glycerophosphate), Alcohol Extract of Thyme with Ephedrine Sulphate (Cough Syrup), Glycerine Suppositories, Suprarenal Gland Tablets and Powder, Syrup Cherry Compound, Syrup Cocillana Compound, Syrup Ephedrocol, Syrup Ephedrine Sulphate, Syrup Potassium Guaincol Sulphonate, Epsom Salt Compound Tablets, Theobromine and Phenobarbital Tablets, Three Bromides Tablets, Thymol Iodide, Thymus Substance, Thyroid Capsules and Powder, Thyroid and Ovarian Compound, Trional Tablets, Yeast Tablets, Yeast and Iron Tablets, Yohimbin Tablets.
Claims use since Aug. 1, 1934.

Ser. No. 355,933. GLEBEAS IMPORTATION CO. INC., New York, N. Y. Filed Sept. 11, 1934.

"TIC TAC"

The drawing is lined for red.
For Cosmetics—Namely, Face Powder, Rouge, Lip Sticks, Face Creams, Astringents, Lotions, and Perfumes.
Claims use since Aug. 24, 1934.

Ser. No. 356,151. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Sept. 18, 1934.

SUPERIOR PMC CHEMICALS

No claim is made to the words "Superior" and "Chemicals" apart from the mark as shown.
For Following Articles Used Primarily in the Manufacture of Coated Paper: Rosin Size (Sodium Resinate), Satin White (a Mixture of Calcium Aluminate and Hydrated Calcium Sulphate), Sulphonated Castor Oil, Sulphonated Tallow (a Mixture of Sulphonated Tallow and Kerosene), Sal Soda or Washing Soda, Alkali, and Sizing Varnish.
Claims use since 1900 on rosin size; since 1910 on satin white; since 1913 on sulphonated castor oil, sulphonated tallow, and said mixture of sulphonated tallow and kerosene; since 1925 on sizing varnish; since 1926 on sal soda and since 1931 as to alkali.

Ser. No. 356,262. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Sept. 21, 1934.

SILVER-COL

For Colloidal Preparation Dissolved in Mineral Oil for the Purpose of Making an Antiseptic in an Oil Base Which Can Be Used in the Nose and Throat for the Purpose of Destroying Germs.
Claims use since Sept. 18, 1934.

Ser. No. 356,542. DONZIE R. PARSONS, assignor to Elizabeth Johnson Parsons, Huntington, W. Va. Filed Sept. 28, 1934.

PSORIOIL

For Medicinal Preparation for Treatment of Psoriasis and Scaly Skin Diseases of Body and Scalp.
Claims use since January, 1927.

Ser. No. 356,565. ROBERT C. KIP, doing business as Pictrebor Chemical Co., Bellport, N. Y. Filed Sept. 28, 1934.

PICTREBOR

For Chemical Wood Preservative.
Claims use since Aug. 15, 1932.

Ser. No. 356,676. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 2, 1934.

CREMO-CARBONATOS

Applicant disclaims the word "Carbonatos" apart from the mark shown.
For Antacid and Corrective for Digestive Disturbances.
Claims use since May 4, 1928.

Ser. No. 356,740. PASADENA PRODUCTS CO., Pasadena, Calif. Filed Oct. 3, 1934.

Sal-Ro-Cin

For Tablets for the Relief of Head Colds, Headache, Neuralgia, Rheumatic Pains, Muscular Aches and Pains.
Claims use since Sept. 14, 1934.

Ser. No. 356,741. MOYSEA RADISCVICH, doing business as The Kompensi Laboratory, Lackawanna, N. Y. Filed Oct. 3, 1934.

Kompensi

For Laxatives.
Claims use since Sept. 19, 1934.

Ser. No. 356,748. UNITED DRUG COMPANY, Boston, Mass. Filed Oct. 3, 1934.

Petrofol

For Medicinal Oil for the Treatment of Constipation with a Purely Mechanical Action.
Claims use since June 13, 1914.

Ser. No. 356,751. ZEM-ZEM CORPORATION, New York, N. Y. Filed Oct. 3, 1934.

ZEM-ZEM

For Shampoo and Wave-Set.
Claims use since June 1, 1933.

Ser. No. 356,785. AUGUST TRAUTMAN, Brooklyn, N. Y. Filed Oct. 4, 1934.

Trautman's

Trade-mark is in the handwriting of applicant.
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Hand Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powder, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Powders, Nail Creams, Nail Polishes, Nail Bleaches, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters, Insecticides, Deodorants, and Disinfectants.
Claims use since Sept. 25, 1934.

Ser. No. 356,824. VANDRÉ, LIMITED, Glasgow, Scotland. Filed Oct. 5, 1934.

SONGO

For Medicated Preparations in Capsule Form for Internal Human Use in the Treatment of Travel Sickness.
Claims use since June 26, 1934.

Ser. No. 356,837. GLENN G. GREASON, doing business as Greason Laboratories, Denver, Colo. Filed Oct. 6, 1934.

CAL-PEP-ZAN

For Medicine for Use in the Treatment of Disorders of the Stomach and Intestinal Tract.
Claims use since July 1, 1934.

Ser. No. 356,909. PARAGON DISTRIBUTING CORP., New York, N. Y. Filed Oct. 9, 1934.

PAROIL

For Shampoo Tint.
Claims use since May 21, 1934.

Ser. No. 356,963. PARFUMS CORDAY, INC., New York, N. Y. Filed Oct. 10, 1934.

la promesse

For Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Sticks.
Claims use since Mar. 25, 1933.

Ser. No. 356,976. W-B CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 10, 1934.

CUREX

For Composition Adapted for Use as an Insecticide and Fungicide, and Particularly Suitable for Disinfecting Plants, Seeds, Soil, Grass, and the Like.
Claims use since Aug. 15, 1933.

Ser. No. 357,023. STANLEY J. PRZYJEMSKI, doing business as Przyjemski and Przyjemski, Dickson City, Pa. Filed Oct. 11, 1934.

Helek

For Medicinal Salve for Treating Ringworm, Eczema, Burns, Cuts, Sores, and Ulcers.
Claims use since Aug. 30, 1934.

Ser. No. 357,092. THE DILL COMPANY, Norristown, Pa. Filed Oct. 13, 1934.

Epso-Phen-Tabs

For Laxative Medicine in Tablet Form.
Claims use since Sept. 18, 1934.

Ser. No. 357,093. THE DILL COMPANY, Norristown, Pa. Filed Oct. 13, 1934.

Phen-Epso-Tabs

For Laxative Medicine in Tablet Form.
Claims use since Sept. 18, 1934.

Ser. No. 357,103. MCWILLIAMS MANUFACTURING COMPANY, Tipton, Ind. Filed Oct. 13, 1934.

NU-JOY

For Insecticide.
Claims use since July 10, 1934.

Ser. No. 357,179. NAYLEE CHEMICAL COMPANY, Philadelphia, Pa. Filed Oct. 16, 1934.



The drawing is lined for yellow and orange.
For Liquid Cleaning and Washing Compound Used as a Germicide, Disinfectant, Bleach, and Water Softener.
Claims use since May 1, 1933.

Ser. No. 357,372. WESLEY FREDERICK HAAS, Oak Park, Ill. Filed Oct. 22, 1934.

KAMO

For Internal Medicine for the Treatment of Stomach Disorders Due to Indigestion, Gas, Heartburn, Belching, and Sour Stomach.
Claims use since Sept. 1, 1933.

Ser. No. 357,401. M. VONSEN CO., Petaluma, Calif. Filed Oct. 22, 1934.



For Insecticide, Parasiticidals, Vermicides, Germicides, Bactericides or Compounds; Substances or Agents for the Destruction, Extermination, and Eradication of Insects, Lice, Ticks, Mites or Other Vermin or Germs, Bacteria or Other Micro-Organisms.
Claims use since May 1, 1934.

Ser. No. 357,438. HEALTHAIDS, INC., New York, N. Y. Filed Oct. 23, 1934.

SERUTAN

For Food Auxiliary and Constipation Corrective in the Nature of a Nonmedicinal Laxative.
Claims use since Oct. 12, 1934.

Ser. No. 357,448. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill. Filed Oct. 23, 1934.

Solvex

For Preparation for the Relief of Epidermophytosis, Golfer's Itch, Gym Foot, Athlete's Foot, Ringworm, Itching Feet and Toes, Eczema of the Feet, and Other Skin Ailments.
Claims use since Mar. 1, 1930.

Ser. No. 357,480. CLARK-HOOVER, INC., South Bend, Ind. Filed Oct. 20, 1934.

Cinch

For Wave Set, Body Deodorant, Glycerine, and Brilliantine.
Claims use since May 1, 1933, on wave set and body deodorant; since June 15, 1933, on glycerine; and since Jan. 1, 1934, on brilliantine.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 355,366. LOUIS MORRISON, New York, N. Y. Filed Aug. 23, 1934.



For Cigarette Holders, Cigar Holders, Pipes, and Cigarette Cases.
Claims use since Jan. 10, 1933.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 357,582. AMERICAN SAFETY MATCH CORPORATION, New York, N. Y. Filed Oct. 27, 1934.



For Safety Matches.
Claims use since Mar. 11, 1933.

Ser. No. 357,583. AMERICAN SAFETY MATCH CORPORATION, New York, N. Y. Filed Oct. 27, 1934.



For Safety Matches.
Claims use since Nov. 5, 1932.

Ser. No. 357,584. AMERICAN SAFETY MATCH CORPORATION, New York, N. Y. Filed Oct. 27, 1934.

CONGRESS



For Safety Matches.
Claims use since Oct. 31, 1932.

CLASS 10

Fertilizers

Ser. No. 357,419. CONSOLIDATED RENDERING COMPANY, Boston, Mass. Filed Oct. 23, 1934.



For Fertilizers, Plant Food, and Agricultural Chemicals.
Claims use since July, 1920.

CLASS 11

Inks and Inking Materials

Ser. No. 357,485. AULT & WIBORG CARBON & RIBBON CO., INC., Cincinnati, Ohio. Filed Oct. 25, 1934.



For Carbon Paper, Typewriter Ribbons, Inks—Namely, Writing Inks, Printing Inks and Stamp Pad Inks, Duplicator Ribbons, and Stamp Pads.
Claims use since 1879..

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 355,123. S. MORGAN SMITH COMPANY, York, Pa. Filed Aug. 17, 1934.

ROTOVALVE

No claim is made to the lettering "Valve" except in conjunction with the other features of the mark.
For Manually, Electrically, and/or Hydraulically Operated Altitude, Pressure Regulating, Automatic Check, Stop, and Free Discharge Valves Used in Air, Gas, Oil, Sewage, Steam, Water, and Other Pipe-Line Installations.
Claims use since Apr. 1, 1934.

Ser. No. 356,139. ACME STAPLE COMPANY, Camden, N. J. Filed Sept. 18, 1934.



For Staples for Use in Stapling Machines, Tagging Machines, Binding Machines, Stitching Machines, and Tacking Machines.
Claims use since July 26, 1934.

Ser. No. 356,140. ACME STAPLE COMPANY, Camden, N. J. Filed Sept. 18, 1934.



No claim is made to the word "Quality" apart from the mark shown.
For Staples for Use in Stapling Machines, Tagging Machines, Binding Machines, Stitching Machines, and Tacking Machines.
Claims use since July 26, 1934.

Ser. No. 357,347. PARKER-KALON CORPORATION, New York, N. Y. Filed Oct. 20, 1934.

PARKER-KALON

Applicant is owner of T. M. registration No. 265,107.
For Screws, Drive Screws, Drive Pins, Screw Nails, Nails, Rivets, Set Screws, Studs, Wing Nuts, Cap Nuts, Expansion Bolts, and Expansion Sleeves.
Claims use since Dec. 20, 1922.

Ser. No. 357,407. THE NEWELL MFG. CO., INC., Ogdensburg, N. Y. Filed Oct. 24, 1934.

CLASSIC

For Metal Curtain Rods.
Claims use since Oct. 18, 1934.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 356,819. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Oct. 5, 1934.

ROEBCOAT

For Welding Rods.
Claims use since Aug. 21, 1934.

Ser. No. 357,481. ALADDIN ROD AND FLUX MFG. CO., Des Moines, Iowa. Filed Oct. 25, 1934.

Aladdin Rod and Flux Mfg. Co.

For Rods for Welding of Zinc and Aluminum Base Metals.
Claims use since Sept. 1, 1931.

CLASS 15

Oils and Greases

Ser. No. 351,527. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 18, 1934.

POUREX

For Lubricating Oils, Pour-Point Depressors for Lubricating Oils, Filter Aids, and Compounds for Reducing Cold Tests and Viscosity in Oils and for Controlling Wax Crystallization in Oils.
Claims use since Nov. 22, 1933.

Ser. No. 353,751. COLONIAL OIL COMPANY OF INDIANA, INC., Fort Wayne, Ind. Filed July 11, 1934.



No claim is made to the name "O-70" apart from the mark shown. The drawing is lined for orange.
For Gasolene, Lubricating Oils, Lubricating Greases, and Furnace Fuel Oils.
Claims use since Aug. 26, 1933.

CLASS 16

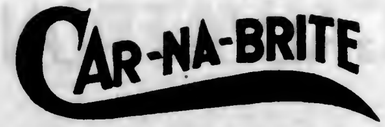
Paints and Painters' Materials

Ser. No. 336,811. THE ARCO COMPANY, Cleveland, Ohio. Filed Apr. 15, 1933.



For Pyroxylin Lacquer.
Claims use since Mar. 1, 1933.

Ser. No. 356,931. CONTINENTAL CAR-NA-VAR CORPORATION, Brazil, Ind. Filed Oct. 1, 1934.



No claim is made to the word "Brite" apart from the mark.
For Liquid Polish for All Kinds of Floors.
Claims use since May 24, 1934.

Ser. No. 357,337. HANCOCK PAINT & VARNISH CO., North Quincy, Mass. Filed Oct. 20, 1934.

DOUBLEHIDE

For Paste and Ready-Mixed Paints, Paint Enamels, and Flat Paints.
Claims use since October, 1933.

Ser. No. 357,646. DAVID PENDER GROCERY CO., Norfolk, Va. Filed Oct. 29, 1934.

Southern Manor

For Floor Wax and Polish for Woodwork, Linoleum, Floors, Furniture and Automobiles.
Claims use since September, 1934.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 354,180. SMAIL'S SALES SERVICE, INC., Warren, R. I. Filed July 21, 1934.

Detectalite

For Light Indicators to Be Mounted on Headlights to Indicate the Condition of Light Sources.
Claims use since July 19, 1933.

Ser. No. 356,830. ASSOCIATED PARTS MFG. CORP., Brooklyn, N. Y. Filed Oct. 6, 1934.

RED HEAD

For Vehicle Heaters and Parts Thereof; Said Heaters Utilizing Hot Fluids from the Engine.
Claims use since August, 1930.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 329,489. SIRIAN LAMP COMPANY, Newark, N. J. Filed Aug. 10, 1932.

SIRIAN

For Electrical Incandescent Lamps for Illumination.
Claims use since July 15, 1932.

Ser. No. 349,899. SAMSON-UNITED CORPORATION, Rochester, N. Y. Filed Apr. 12, 1934.

LOWBOY

For Electric Waffle Irons and Electric Sandwich Toasters.
Claims use since June 15, 1931.

Ser. No. 354,678. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa. Filed Aug. 6, 1934.

Exide Ironclad

For Electric Storage Batteries and Parts Thereof.
Claims use since Dec. 1, 1910.

Ser. No. 356,607. WELLS-GARDNER & COMPANY, Chicago, Ill. Filed Sept. 29, 1934.

Wells-Gardner

For Radio Receiving Sets and Accessories—Namely, Chassis, Power Transformers, Variable Condensers, Fixed Condensers, Variable Resistances, Fixed Resistances, Radio Frequency Coils, Intermediate Frequency Coils, Antenna Coils, Radio-Phonograph Switches, Escutcheons, Dials, and Dial Drives.
Claims use since Dec. 12, 1931.

Ser. No. 356,656. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn. Filed Oct. 2, 1934.

IL

For Electrical Switches, Receptacles, Attachment Plugs, Convenience Outlets, Radio Outlets, Adaptors, Face Plates and Flush Plates.
Claims use since Sept. 15, 1933.

Ser. No. 357,339. A. H. KELEHER CO., INC., New York, N. Y. Filed Oct. 20, 1934.

KELETRON

For Radio Tubes.
Claims use since Jan. 10, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 357,113. FAUSTO A. GUERRERO, Chicago, Ill. Filed Oct. 13, 1934.

SONGKA

For Table Board Games Played with Marbles.
Claims use since Jan. 1, 1933.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 352,469. CHICAGO MANIFOLD PRODUCTS CO., Chicago, Ill. Filed June 9, 1934.

SUPER-PLATEN

The word "Platen" is disclaimed apart from the mark as shown.
For Multigraph and Typewriter Platens.
Claims use since May, 1931.

Ser. No. 356,422. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn. Filed Sept. 25, 1934.

ROLLTEX

For Precision Needle Roller Bearings.
Claims use since July 31, 1934.

Ser. No. 356,488. NAALDENFABRIEKEN "HOLLANDIA" N. V., Kerkrade, Netherlands. Filed Sept. 27, 1934.



No claim is made to the representation of the needle.
For Sewing-Machine Needles.
Claims use since Mar. 1, 1934.

Ser. No. 356,795. J. I. CASE COMPANY, Racine, Wis. Filed Oct. 5, 1934. Under section 5b of the act of 1905 as amended in 1920.

OSBORNE

For Agricultural Machinery, Implements, Farm-Operating Equipment, and Parts Thereof—Namely Grain Binders, Corn Binders, Mowers, and Rakes, and Parts of All Said Machinery, Implements, and Farm-Operating Equipment.
Claims use since March, 1928.

Ser. No. 356,999. EASTMAN MACHINE COMPANY, Buffalo, N. Y. Filed Oct. 11, 1934.

EDGE-HOLD

No claim is made to the words "Edge-Hold" apart from the mark.
For Knives for Cloth-Cutting Machines.
Claims use since Sept. 13, 1934.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 355,053. BAILEY METER COMPANY, Cleveland, Ohio. Filed Aug. 16, 1934.

GALVATRON

For Indicators, Recorders, Integrators, Controllers and Telemetering Systems and Apparatus, All Operable Under Variations of Combustion, Temperature, Pressure and/or Liquid Level; and Charts and Other Accessories for Use With Such Indicating, Recording, Integrating, Controlling and/or Telemetering Systems.
Claims use since May 22, 1934.

Ser. No. 356,023. THE BRITISH DRUG HOUSES, LIMITED, London, England. Filed Sept. 14, 1934.

DISLAC

For Apparatus in the Nature of a Card for Testing Animal Milk.
Claims use since Dec. 14, 1933.

CLASS 27

Horological Instruments

Ser. No. 357,514. THE SWISS RADIUM & DIAL PAINTING CO. INC., New York, N. Y. Filed Oct. 25, 1934.

VENUS

For Watchcases, Watch Dials, and Movements Thereof.
Claims use since Oct. 10, 1934.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 356,157. SCHEIN BROTHERS, INC., New York, N. Y. Filed Sept. 18, 1934.

Senorita

For Jewelry.
Claims use since Nov. 27, 1933.

CLASS 31

Filters and Refrigerators

Ser. No. 357,095. EAGLE FOUNDRY COMPANY, Belleville, Ill. Filed Oct. 13, 1934.

EAGLE DUO-COLD

No claim is made to the word "Cold" apart from the mark shown.
For Combination Wet and Dry Coolers for Bottled and Other Goods.
Claims use since Sept. 24, 1934.

CLASS 32

Furniture and Upholstery

Ser. No. 356,651. UNION-MAY-STERN CO., St. Louis, Mo. Filed Oct. 1, 1934.

Stylerite

For Furniture, Including Bedroom Suites—to wit, Beds, Dressers, Chiffonobes, Vanities, Bedroom Chairs; Living-Room Suits—to wit, Settees, Davenports, Living-Room Chairs; and Dining-Room Suites—to wit, Tables, Buffets, Servers, China Cabinets, Dining-Room Chairs.
Claims use since Aug. 28, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 343,567. THE MOORE CORPORATION, Joliet, Ill.

Vanity

Filed Nov. 11, 1933.
For Gas Stoves and Ranges.
Claims use since August, 1931.

Ser. No. 356,636. PORTER SCREEN COMPANY, Winooski, Vt. Filed Oct. 1, 1934.

AIR METER

For Window Ventilators.
Claims use since Sept. 11, 1934.

Ser. No. 356,880. THE HEIL CO., Milwaukee, Wis. Filed Oct. 8, 1934.



No claim is made to the words "Uniform Heat" apart from the mark.
For Oil-Burning Heating Boilers and Furnaces for Building Heating Purposes and Oil Burners.
Claims use since July 20, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 353,193. CZECHOSLOVAK MUSIC CO., New York, N. Y. Filed June 25, 1934.

COLLEGE BAND

Use of the word "Band" apart from the mark shown is disclaimed.
For Accordions, Piano Accordions, Mouth Harmonicas, Mouth Organs, Violins; Strings for Violins, Cellos, Basses, Violas, Mandolins, Guitars, Tenor Banjos, Zithers, and Ukuleles; Violas, Cellos, Double Basses, Mandolins, Banjo Mandolins, Ukuleles, Banjo Ukuleles, Tenor Ukuleles, Tiples, Banjos, Tenor Banjos, Guitars, Tenor Guitars, Megaphones, Zithers, Lutes, Lute-Mandolins, Flutes, Drums; Bows for Violins, Cellos, Basses, and Violas; Chinrests for Violins and Violas; Bridges for Violins, Cellos, Basses, and Violas; Pegs for Violins, Cellos, Basses, and Violas; Tuning Pipes for Violins, Cellos, Basses, and Violas; Tailpieces for Violins, Cellos, Basses, and Violas; Bow Hair for Violins, Cellos, Basses, and Violas; Music Stands, Trumpets, Cornets, Trombones, Saxophones, Circular Altos, Upright Altos, Clarinets, Oboes, Sousaphones, Bassoons, Bugles, Fifes, French Horns, Ocarinas, Piccolos, Cymbals, Xylophones, Mouthpieces, Reeds, and Mutes.
Claims use since early May, 1925.

Ser. No. 353,194. CZECHOSLOVAK MUSIC CO., New York, N. Y. Filed June 25, 1934.

CORSANI

For Accordions, Piano Accordions, Mouth Harmonicas, Mouth Organs, Violins; Strings for Violins, Cellos, Basses, Violas, Mandolins, Guitars, Tenor Banjos, Zithers, and Ukuleles; Violas, Cellos, Double Basses, Mandolins, Banjo Mandolins, Ukuleles, Banjo Ukuleles, Tenor Ukuleles, Tiples, Banjos, Teno Banjos, Guitars, Tenor Guitars, Megaphones, Zithers, Lutes, Lute-Mandolins, Flutes, Drums; Bows for Violins, Cellos, Basses, and Violas; Chinrests for Violins and Violas; Bridges for Violins, Cellos, Basses, and Violas; Pegs for Violins, Cellos, Basses, and Violas; Tuning Pipes for Violins, Cellos, Basses, and Violas; Tailpieces for Violins, Cellos, Basses, and Violas; Bow Hair for Violins, Cellos, Basses, and Violas; Music Stands, Trumpets, Cornets, Trombones, Saxophones, Circular Altos, Upright Altos, Clarinets, Oboes, Sousaphones, Bassoons, Bugles, Fifes, French Horns, Ocarinas, Piccolos, Cymbals, Xylophones, Mouthpieces, Reeds, and Mutes.

Claims use since early January, 1924.

Ser. No. 353,195. CZECHOSLOVAK MUSIC CO., New York, N. Y. Filed June 25, 1934.

MASTER ART

For Violins; Strings for Violins, Cellos, Basses, Violas, Mandolins, Guitars, Tenor Banjos, Zithers, and Ukuleles; Violas, Cellos, Double Basses, Mandolins, Banjo Mandolins, Ukuleles, Banjo Ukuleles, Tenor Ukuleles, Tiples, Banjos, Tenor Banjos, Guitars, Tenor Guitars, Accordions, Piano Accordions, Mouth Harmonicas, Mouth Organs, Megaphones, Zithers, Lutes, Lute-Mandolins, Flutes, Drums; Bows for Violins, Cellos, Basses, and Violas; Chinrests for Violins; Bridges for Violins, Cellos, Basses, and Violas; Pegs for Violins, Cellos, Basses, and Violas; Tuning Pipes for Violins, Cellos, Basses, and Violas; Tailpieces for Violins, Cellos, Basses, and Violas; Bow Hair for Violins, Cellos, Basses, and Violas; Music Stands, Trumpets, Cornets, Trombones, Saxophones, Circular Altos, Upright Altos, Clarinets, Oboes, Sousaphones, Bassoons, Bugles, Fifes, French Horns, Ocarinas, Piccolos, Cymbals, Xylophones, Mouthpieces, Reeds, and Mutes.

Claims use since Mar. 1, 1922.

Ser. No. 354,508. M. HOHNER, INC., New York, N. Y. Filed Aug. 1, 1934.

Century of Progress

For Month Harmonicas and Accordions.
Claims use since June 28, 1933.

CLASS 37

Paper and Stationery

Ser. No. 357,509. SAN-NAP-PAK MFG. CO. INC., New York, N. Y. Filed Oct. 25, 1934.

PARK ROYAL

For Cleansing Tissue.
Claims use since Aug. 1, 1933.

Ser. No. 357,624. FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Oct. 29, 1934.

Raglite

For Bond Paper.
Claims use since Oct. 18, 1934.

CLASS 38

Prints and Publications

Ser. No. 354,688. JOSEPH F. MONTAGUE, New York, N. Y. Filed Aug. 6, 1934.

ANECDOCTORIALS

For Column of a Newspaper or Magazine and for Booklets Published from Time to Time.
Claims use since Mar. 28, 1934.

Ser. No. 356,135. WORLD WIDE BARACA AND PHILATHEA UNION, Washington, D. C. Filed Sept. 17, 1934.

BARACA PHILATHEA

For Books, Pamphlets, and Periodicals.
Claims use since July 1, 1930.

Ser. No. 357,450. CARITA BLUM, Washington, D. C. Filed Oct. 20, 1934.

Your Shopping Reporter

For Column for Newspapers.
Claims use since June 7, 1934.

Ser. No. 357,622. CITY NEWS PUBLISHING CO., New York, N. Y. Filed Oct. 29, 1934.

VITAL SPEECHES
OF THE DAY

For Periodical.
Claims use since Oct. 8, 1934.

CLASS 39

Clothing

Ser. No. 340,236. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed July 29, 1933.

ESQUIRE

PIONEER SUSPENDER CO.

For Suspenders, Garters, Arm Bands, and Belts for Outer Wear.
Claims use since July 24, 1933.

Ser. No. 341,265. STRAUS, ROYER & STRASS, INC., Baltimore, Md. Filed Sept. 2, 1933.

The American Racketeer

For Ladies' and Misses' Dresses.
Claims use since Aug. 5, 1933.

Ser. No. 342,245. M. L. VICTORIUS & CO., INC., New York, N. Y. Filed Oct. 7, 1933.

55

For Hosiery.
Claims use since Sept. 1, 1933.

Ser. No. 349,063. THE ABBOTT COMPANY, Wilton, Maine. Filed Mar. 24, 1934.

SPORTMOX

For Boots, Shoes, Slippers, and Moccasins of Leather, Rubber, and Fabric or Combinations Thereof.
Claims use since June, 1933.

Ser. No. 352,328. MILMAR SHOPS, INC., New York, N. Y. Filed June 6, 1934.

MILMAR'S STOCKING

Applicant disclaims the word "Stocking" apart from the mark.
For Women's Silk Hosiery.
Claims use since Feb. 28, 1933.

Ser. No. 355,239. R. H. STEARNS COMPANY, Boston, Mass. Filed Aug. 20, 1934.

DARFORD

For Wearing Apparel for Women—Namely, Hats, Coats, Suits, Dresses, Outer Skirts, Sweaters, Bathrobes, Hosiery, and Shoes Made in Whole or in Part of Leather, Reptile Skins, and/or Textile Fabrics.
Claims use since Feb. 7, 1934.

Ser. No. 355,616. FASHION PARK MANUFACTURING CORPORATION, Rochester, N. Y. Filed Aug. 31, 1934.

HARDSPUN

No claim is made to "Hardspun" apart from the mark shown.
For Coats, Vests, Pants, and Overcoats for Men and Boys.
Claims use since Jan. 1, 1927.

Ser. No. 355,903. SEATTLE TENT & AWNING CO., Seattle, Wash. Filed Sept. 10, 1934.

FOREST RANGER

For Sleeping Bag.
Claims use since Sept. 1, 1931.

Ser. No. 356,211. BETTY ANN HATS, INC., New York, N. Y. Filed Sept. 20, 1934.

Novel Knits
QUALITY
BERETS-TAMS-HATS

The words "Novel Knits", "Quality Berets Tams Hats", and the representation of the goods are disclaimed except as shown.
For Berets, Tams, and Hats for Women, Misses, and Children.
Claims use since Sept. 15, 1934.

Ser. No. 356,218. CRAWFORD MANUFACTURING CO. INC., Richmond, Va. Filed Sept. 20, 1934.

polar-jack

For Outer Garments—Namely, Coats for Men, Women, and Children; Jackets, Lumberjackets.
Claims use since July 1, 1933.

Ser. No. 356,318. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Sept. 22, 1934.

SILVER MOON

For Women's and Children's Pajamas, Gowns, and Underwear.
Claims use since Aug. 23, 1934.

Ser. No. 356,356. JOSEPH W. MCGEE, New York, N. Y. Filed Sept. 24, 1934.

Jodél

Trade-mark is the word "Jodél".
For Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since May, 1934.

Ser. No. 356,450. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn. Filed Sept. 26, 1934.

DABU-WEAR

The word "Wear" is disclaimed apart from the mark as shown.
For Infants', Children's, and Misses' Underwear.
Claims use since Sept. 12, 1934.

Ser. No. 356,451. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn. Filed Sept. 26, 1934.

FLIP-FLAPS

The word "Flaps" is disclaimed apart from the mark.
For Infants', Children's, and Misses' Underwear.
Claims use since Sept. 12, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 356,350. THE H. & H. MFG. CO., INC., New York, N. Y. Filed Sept. 24, 1934.

RAYCO RIBBON

No claim is made to the word "Ribbon" apart from the mark.
For Ribbons Sold by the Yard and in the Piece Used for Hat Linings, Sweatbands, and for Trimming of Hats and Garments.
Claims use since July, 1934.

Ser. No. 356,579. CROWN FABRICS CORPORATION, New York, N. Y. Filed Sept. 29, 1934.

HI-SPOT

For Rayon and Cotton Goods in the Piece.
Claims use since Sept. 7, 1934.

Ser. No. 356,834. FALL RIVER BLEACHERY, Fall River, Mass. Filed Oct. 6, 1934.

RIVER
SHRUNK

No claim is made to the word "Shrunk" apart from the mark.
For Cotton Piece Goods.
Claims use since Sept. 24, 1934.

CLASS 43

Thread and Yarn

Ser. No. 351,329. PERI-LUSTA, LIMITED, Leek, England. Filed May 14, 1934.

CRYSTAL

For Yarn or Twist Manufactured from Cellulose, to Be Used for Embroidery, Knitting, and Crocheting Purposes.
Claims use since January, 1908.

Ser. No. 355,364. THE LINEN THREAD CO., INC., New York, N. Y. Filed Aug. 23, 1934.

DURACOY

For Netting Threads and Yarns.
Claims use since Aug. 16, 1934.

Ser. No. 356,305. HANDKNIT YARNS COMPANY, Brooklyn, N. Y. Filed Sept. 22, 1934.

SUPERYARN

No claim is made to the word "Yarn" except as used with the other features of the mark.
For Woolen Yarn.
Claims use since June 4, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 356,173. THE AMERICAN WHITE CROSS LABORATORIES INC., New Rochelle, N. Y. Filed Sept. 19, 1934.



Applicant disclaims the words "Hospital Adhesive Plaster" apart from the mark. The portraits are fanciful.
For Adhesive Tape.
Claims use since Sept. 1, 1934.

Ser. No. 356,174. THE AMERICAN WHITE CROSS LABORATORIES INC., New Rochelle, N. Y. Filed Sept. 19, 1934.



Applicant disclaims the words "Hospital Adhesive Plaster" apart from the mark. The figures are fanciful.
For Adhesive Tape.
Claims use since Sept. 1, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 355,037. HAWAIIAN CANNERIES COMPANY, LTD., Kapaa, Hawaii. Filed Sept. 11, 1934.

Liquid Sunshine

For Nonalcoholic, Maltless Fruit Juices for Beverage Purposes.
Claims use since June 1, 1933.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 295,757. MILTON PAUL, doing business as International Extract Co., New York, N. Y. Filed Feb. 7, 1930.

MEMO

For True-Fruit and Imitation Food-Flavoring Extracts.
Claims use since May 10, 1929.

Ser. No. 341,524. DAVID COLE CREAMERY COMPANY, Omaha, Nebr. Filed Sept. 12, 1933.

Idlewilde

Applicant is the owner of Trade-Mark 72,308, registered Jan. 19, 1909.
For Butter, Cottage Cheese, Eggs, Milk, Buttermilk, Cream, and Cocoa Milk.
Claims use since 1901.

Ser. No. 345,086. VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif. Filed Dec. 18, 1933.

CHIC-I-NUNA

For Canned Fish.
Claims use since June 17, 1914.

Ser. No. 347,082. J. M. Moss, Granite City, Ill. Filed Feb. 7, 1934.

MOSS' REHEATING BARBECUE SAUCE

No claim is made to the words "Reheating Barbecue Sauce" except as shown.
For Reheating Barbecue Sauce.
Claims use since Aug. 24, 1932.

Ser. No. 351,811. KAUFMAN AND KAUFMAN, INC., New York, N. Y. Filed May 24, 1934.

Kaufman's
BANNER BRAND
K K

Applicant disclaims the word "Brand" apart from the mark as shown. The drawing is lined for red.
For Egg Noodles.
Claims use since July 22, 1932.

Ser. No. 353,488. STEVENSON-MAIBS COMPANY, Baltimore, Md. Filed July 3, 1934.

MA-SON

For Canned Foods—Namely, Tomatoes, Corn, Peas, Stringless Beans, Lima Beans, Mixed Vegetables, Apple Sauce, Catsup.
Claims use since February, 1934.

Ser. No. 354,278. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as The Dodge City Flour Mills, Dodge City, Kans. Filed July 25, 1934. Under 10-year proviso.

PRIZE WINNER

For Plain and Self-Rising Wheat Flour.
Claims use since 1878.

Ser. No. 355,015. DUTCHLAND FARMS, INC., Brockton, Mass. Filed Aug. 15, 1934.

Vitamin D

No claim is made for the words "Vitamin" or "Vitamin D" except as shown.
For Fresh Milk as Distinguished from Condensed and Evaporated Milk.
Claims use since Dec. 1, 1933.

Ser. No. 355,016. DUTCHLAND FARMS, INC., Brockton, Mass. Filed Aug. 15, 1934.

Vitamin D

No claim is made to the words "Vitamin" or "Vitamin D" except as shown.
For Fresh Milk as Distinguished from Condensed and Evaporated Milk.
Claims use since Dec. 1, 1933.

Ser. No. 355,754. BORDO PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 6, 1934.

FLORIDA CLUB

For Canned Grapefruit Juice for Food and Food Beverage Purposes.
Claims use since Mar. 1, 1933.

Ser. No. 355,793. CALLARD & BOWSER LIMITED, London, England. Filed Sept. 7, 1934.

For Candies.
Claims use since Jan. 8, 1876.

Ser. No. 355,974. THE PACKWELL CORPORATION, Oakland, Calif. Filed Sept. 12, 1934.

ON THE LEVEL

For Canned Fruits, Canned Vegetables.
Claims use since Aug. 13, 1934.

Ser. No. 356,261. JAMES MCLESLIE, INC., Chicago, Ill. Filed Sept. 21, 1934.

McLESLIE'S
A PERFECT CURE
HABACURE

No claim is made to the words "A Perfect Cure" apart from the mark. The drawing is lined for red and blue.
For Preparation for Curing Meat Products.
Claims use since Sept. 11, 1934.

Ser. No. 356,643. SCHUCKL & CO., INC., San Francisco, Calif. Filed Oct. 1, 1934.

MISSION PEAK

For Canned Fruits.
Claims use since July, 1920.

Ser. No. 356,788. WILLIAMSON CANDY COMPANY, Chicago, Ill. Filed Oct. 4, 1934.

PEPPY BOY

For Peanut Butter.
Claims use since July 20, 1934.

Ser. No. 356,799. EMMART PACKING CO. INC., Louisville, Ky. Filed Oct. 5, 1934.

ORANGE BLOSSOM

For Bacon.
Claims use since November, 1922.

Ser. No. 356,809. FRED W. KAEMPFER, doing business as Kaempfer's, Chicago, Ill. Filed Oct. 5, 1934.

HIGHBALL

For Bird Food.
Claims use since Mar. 1, 1912.

Ser. No. 356,855. JAMES ARTHUR REDNER, doing business as Pure Candy Company, Battle Creek, Michigan. Filed Oct. 2, 1934.

Dizzy Daffy Bar
Dean of the Candy Bars
5¢
Pure Candy Co.

No claim is made to the words "Bar", "Candy Bars", and "5¢."
For Candy Bars and Other Forms of Candy.
Claims use since Sept. 1, 1934.

Ser. No. 356,933. GUM, INC., Philadelphia, Pa. Filed Oct. 2, 1934.

COMIC GUM

Applicant disclaims the word "Gum" except as in the combination shown.
For Chewing Gum.
Claims use since Aug. 31, 1934.

Ser. No. 357,263. VITAB PRODUCTS, INC., New York, N. Y. Filed Oct. 18, 1934.

SESAME BREAD

No claim is made to the word "Bread" apart from the mark. The drawing is lined for red and blue.
For Bread.
Claims use since Sept. 29, 1934.

Ser. No. 357,303. MARQUE'S PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 19, 1934.

MARQUE'S
CHAMPAGNE SAUCE

No claim is made to the words "Champagne Sauce" apart from the mark.
For Bottled or Canned Sauce Dressing for Foods.
Claims use since June 15, 1934.

Ser. No. 357,512. STANDARD SALES CORPORATION, San Francisco, Calif. Filed Oct. 25, 1934.

DEALER'S CHOICE

For Tomato Sauce.
Claims use since Sept. 14, 1934.

CLASS 47

Wines

Ser. No. 356,791. REBECCA APPLEBAUM, doing business as Monarch Wine Co., New York, N. Y. Filed Oct. 5, 1934.

SAN REMO

The name "San Remo" is disclaimed apart from the mark shown.
For Still and Sparkling Wines.
Claims use since Jan. 15, 1934.

Ser. No. 356,928. WARRE & COMPANHIA, Vila Nova de Gaya, Portugal. Filed Oct. 9, 1934.

Warrior Port

No claim is made to the word "Port" apart from the mark shown.
For Port Wine.
Claims use since 1908.

Ser. No. 357,363. BERINGER BROS., INC., St. Helena, Calif. Filed Oct. 22, 1934.

Mountain Ranch

For Wines.
Claims use since Oct. 1, 1934.

Ser. No. 357,418. CONNECTICUT WINE CO., INC., New Haven, Conn. Filed Oct. 23, 1934.

Minuet

For Wines.
Claims use since Dec. 1, 1933.

Ser. No. 357,423. B. CRIBARI & SONS, INC., doing business as B. Cribari & Sons, San Jose, Calif. Filed Oct. 23, 1934.

SUN DOWN

For Wines.
Claims use since Sept. 25, 1934.

Ser. No. 357,441. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Oct. 23, 1934.

DIRECTOIRE

For Wines.
Claims use since Oct. 15, 1934.

Ser. No. 357,501. THE OLD MONASTERY CO., INC., Rhelms, N. Y. Filed Oct. 25, 1934.

Friars

For Champagnes and Still Wines.
Claims use since May 7, 1934.

Ser. No. 357,575. ERNEST J. STEVENS, Chicago, Ill. Filed Oct. 26, 1934.

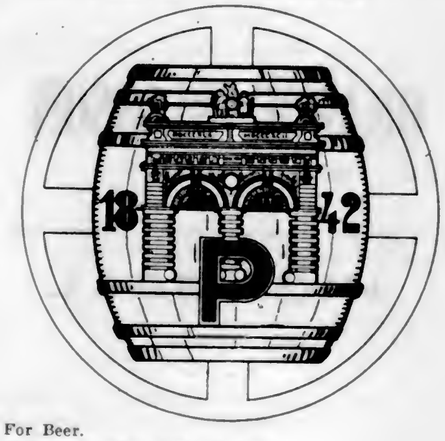
THE RED LION INN

For Wines.
Claims use since May 1, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 344,382. BUERGERLICHES BRAEUHAUS PILSEN, Pilsen, Czechoslovakia. Filed Dec. 2, 1933.



For Beer.
Claims use since Aug. 12, 1926.

Ser. No. 354,287. THE EBLING BREWING CO., INC., Brooklyn, N. Y. Filed July 25, 1934. Under 10-year proviso.

Ebling's Extra

For Malt Beverages with Not More Than the Legal Alcoholic Content.
Claims use since 1868.

Ser. No. 356,898. CROCKERY CITY ICE & PRODUCTS CO., East Liverpool, Ohio. Filed Oct. 9, 1934.



For Beer.
Claims use since 1900.

Ser. No. 357,447. JACOB RUPPERT, New York, N. Y. Filed Oct. 23, 1934.



For Beer.
Claims use since Dec. 20, 1883.

Ser. No. 357,516. THE WEHLE BREWING COMPANY, West Haven, Conn. Filed Oct. 25, 1934.

PONY

For Beer, Ale, and Stout.
Claims use since July 1, 1934.

Ser. No. 357,555. THE HULL BREWING COMPANY, New Haven, Conn. Filed Oct. 26, 1934. Under 10-year proviso.

HULL'S

For Beer, Ale, Porter, and Stock Ale of Not More Than Legal Alcoholic Content.
Claims use since 1873.

Ser. No. 357,601. THE RENNER COMPANY, Youngstown, Ohio. Filed Oct. 27, 1934.

SILVER CUP

For Beer.
Claims use since Oct. 12, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 351,290. CALIFORNIA FRUIT PRODUCTS CO., INC., New York, N. Y. Filed May 11, 1934.

PERFEXTONE

For Blending Agents for Whiskies and Cordials—Namely, Fruit Juices, Syrups, and Extracts.
Claims use since Nov. 1, 1933.

Ser. No. 351,291. CALIFORNIA FRUIT PRODUCTS CO., INC., INC., New York, N. Y. Filed May 11, 1934.

MELLOTONE

For Blending Agents for Whiskies and Cordials—Namely, Fruit Juices, Syrups, and Extracts.
Claims use since Nov. 1, 1933.

Ser. No. 351,744. MANNING PATRICK, doing business as Manning Patrick's Distillery, East Brunswick Township, N. J. Filed May 23, 1934.

PATRICK'S

No claim is made to the word "Patrick" apart from the mark shown.
For Cider Brandy.
Claims use since Apr. 2, 1934.

Ser. No. 351,798. CARL EDWARD EMANUEL CEDERLUND, doing business as J. Cederlunds Söner, Stockholm, Sweden. Filed May 24, 1934.

Aquavit
TRE FLAGGOR
J. Cederlunds Söner
Stockholm-Copenhagen

No claim is made to the words "Aquavit" and "Stockholm-Copenhagen" apart from the mark shown.
For Aquavit.
Claims use since 1929.

Ser. No. 351,886. JOSEPH TRINER CO., Chicago, Ill. Filed May 25, 1934.



No claim is made to the word "Elixir" apart from the mark.
For Anise Liqueur.
Claims use since Feb. 13, 1934.

Ser. No. 355,033. THE OVERBROOK CO., INC., Baltimore, Md. Filed Aug. 15, 1934.



The words "One Pint", "95 Proof", and "Maryland Straight Rye Whiskey" are disclaimed apart from the mark.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 13, 1934.

Ser. No. 355,101. THE SAMUEL FREEDMAN CORPORATION, Cincinnati, Ohio. Filed Aug. 17, 1934.

Seal of Kentucky

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since June 15, 1934.

Ser. No. 357,120. DOR-LIN DISTRIBUTING CO., St. Louis, Mo. Filed Oct. 15, 1934.

CARDINAL CLUB

The word "Club" is disclaimed apart from the remainder of the mark.
For Whiskey.
Claims use since Apr. 11, 1934.

Ser. No. 357,121. DOR-LIN DISTRIBUTING CO., St. Louis, Mo. Filed Oct. 15, 1934.

MORELAND CLUB

The word "Club" is disclaimed apart from the remainder of the mark.
For Whiskey.
Claims use since June 23, 1934.

Ser. No. 357,156. TONKIN DISTRIBUTING CO., San Francisco, Calif. Filed Oct. 15, 1934.

Banner Bouquet

The word "Bouquet" is disclaimed apart from the mark.
For Alcoholic Cocktails.
Claims use since Mar. 15, 1934.

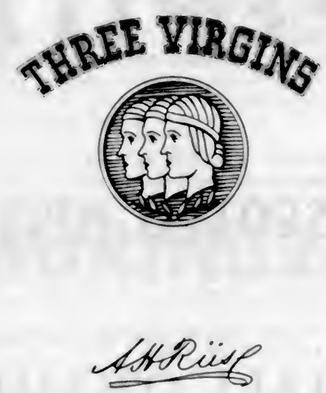
Ser. No. 357,209. ISAAC PAIEWONSKY, doing business as A. H. Riise, St. Thomas, Virgin Islands. Filed Oct. 17, 1934. Under 10-year proviso.

OLD ST. CROIX BRAND Rum

A. H. Riise

Facsimile signature is that of A. H. Riise, founder of the original firm under which applicant is doing business.
For Rum.
Claims use since Jan. 1, 1880.

Ser. No. 357,210. ISAAC PAIEWONSKY, doing business as A. H. Riise, St. Thomas, Virgin Islands. Filed Oct. 17, 1934.



The facsimile signature is that of A. H. Riise, founder of the original firm under which applicant is doing business.
For Rum.
Claims use since July 1, 1934.

Ser. No. 357,279. DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.



The picture is fanciful.
For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,290. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

Frankie and Johnnie Straight Whiskey

The words "Straight Whiskey" are disclaimed apart from the mark as shown.
For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,437. R. HASTERLIK LIQUOR CO., Chicago, Ill. Filed Oct. 23, 1934.



No rights are claimed for the words "A Prepared Cocktail" apart from the mark shown.
For Prepared Alcoholic Cocktails.
Claims use since May 26, 1934.

Ser. No. 357,468. NEW ENGLAND DISTILLERS, INCORPORATED, Clinton, Mass. Filed Oct. 24, 1934.

EVERETT SPRING

For Rum.
Claims use since July 12, 1934.

Ser. No. 357,507. REID, WRIGHT & HOLLOWAY (DISTILLERS), LIMITED, London, England. Filed Oct. 25, 1934.



Applicant disclaims any right to the exclusive use of the words "London Dry Gin" except as they appear in the drawing.
For Gin.
Claims use since Jan. 30, 1934.

Ser. No. 357,522. JACOB ENGLANDER, doing business as Federal Products Co., East Orange, N. J. Filed Oct. 25, 1934.

SILVER CREST

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 6, 1933.

Ser. No. 357,588. BERNHEIM DISTILLING COMPANY, Louisville, Ky. Filed Oct. 27, 1934.

OLD CHARTER

For Whiskey.
Claims use since 1874.

Ser. No. 357,593. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Oct. 27, 1934.

170

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 10, 1934.

Ser. No. 357,594. GREENBROS, INC., Cincinnati, Ohio. Filed Oct. 27, 1934.

BURWOOD

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 20, 1934.

Ser. No. 357,596. KIENZLER DISTILLING CORPORATION, New York, N. Y. Filed Oct. 27, 1934.

AUTOCRAT

For Whiskey.
Claims use since Oct. 20, 1934.

Ser. No. 357,598. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 27, 1934.

EL TROPICAL

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Oct. 2, 1934.

Ser. No. 357,599. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 27, 1934.

PEPITA

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1934.

Ser. No. 357,604. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind. Filed Oct. 27, 1934.

SCOTCH MIST

For Whiskey.
Claims use since Sept. 15, 1934.

Ser. No. 357,613. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 29, 1934.

HALL O'FAME

For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,618. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 29, 1934.

REVELATION

For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,625. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Oct. 29, 1934.

WALL STREET RESERVE

The word "Reserve" is disclaimed apart from the mark as shown.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 10, 1934.

Ser. No. 357,628. W. & A. GILBEY LIMITED, London, England. Filed Oct. 29, 1934.

GOLDEN MORN

For Whisky.
Claims use since 1933.

Ser. No. 357,642. MISSION DRY CORPORATION, Los Angeles, Calif., and New York, N. Y. Filed Oct. 29, 1934.

TOP FLIGHT

For Gin and Whiskey.
Claims use since Mar. 11, 1934.

Ser. No. 357,643. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 29, 1934.

BLACK STAR

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Oct. 2, 1934.

Ser. No. 357,644. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 29, 1934.

JUBA

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Oct. 2, 1934.

Ser. No. 357,645. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 29, 1934.

MORINOVA

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Oct. 10, 1934.

Ser. No. 357,662. C. K. BOWMAN, Wooster, Ohio. Filed Oct. 30, 1934.

Cedar Valley

For Rye Whiskey.
Claims use since 1863.

Ser. No. 357,683. SELECTED KENTUCKY DISTILLERS, Louisville, Ky. Filed Oct. 30, 1934.



No claim is made to the "Straight Whiskey" apart from the rest of the mark shown.
For Whiskey.
Claims use since June 15, 1934.

Ser. No. 357,688. JAMES J. SULLIVAN, Boston, Mass. Filed Oct. 30, 1934.

PENN TAVERN

For Gin, Whiskey, and Brandy.
Claims use since Oct. 1, 1934.

Ser. No. 357,695. HIGHSPIRE DISTILLERY COMPANY, Highspire, Pa. Filed Oct. 31, 1934.

HIGHSPIRE

Applicant is the owner of trade-mark registration No. 18,837.
For Pure Rye Whisky.
Claims use since 1887.

Ser. No. 357,707. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif. Filed Oct. 31, 1934.

Courier

For Gin.
Claims use since Oct. 1, 1934.

Ser. No. 357,732. JOSSELSON BROS., INC., Ashland, Ky. Filed Oct. 31, 1934.

Sweet Brier

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since 1912.

Ser. No. 357,738. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 31, 1934.

BELLE of KENTON

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 14, 1934.

Ser. No. 357,739. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Oct. 31, 1934.

LATONIA SPRINGS

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 14, 1934.

Ser. No. 357,752. SONTAG CHAIN STORES CO. LTD., Los Angeles, Calif. Filed Oct. 31, 1934.

DOMINION SIX

For Whiskey.
Claims use since Nov. 1, 1933.

Ser. No. 357,766. D. C. LIQUOR CO., INC., Washington, D. C. Filed Nov. 1, 1934.

«FOGGY» BOTTOM

For Whiskies.
Claims use since Sept. 22, 1934.

Ser. No. 357,767. D. C. LIQUOR CO., INC., Washington, D. C. Filed Nov. 1, 1934.

GEORGESTOWN

For Whiskies.
Claims use since Sept. 1, 1934.

Ser. No. 357,768. D. C. LIQUOR CO., INC., Washington, D. C. Filed Nov. 1, 1934.

Wild Rose

For Whiskies.
Claims use since Oct. 19, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 341,615. WACKMAN WELDED WARE COMPANY, St. Louis, Mo. Filed Sept. 15, 1933.

TRIP-SEAL

No claim is made to the word "Seal" apart from the mark.
For Caps for Covering and/or Sealing Closure Structures for Openings of Metallic Barrels, Containers, and Cans for Storing Bulk Liquids.
Claims use since Feb. 1, 1932.

Ser. No. 357,499. MULTIGRAPH COMPANY, Wilmington, Del., and Cleveland, Ohio. Filed Oct. 25, 1934.

Multilith

For Planographic Plates.
Claims use since April, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 4, 1934

319,609. HAT BODIES FOR WOMEN'S AND CHILDREN'S HATS. HENRY POLLAK, INC., New York, N. Y.
Filed July 21, 1934. Serial No. 354,169. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,610. ASTRINGENTS, BLEACH CREAMS, COLD CREAMS, ETC. FRANK C. REILLY, New York, N. Y.
Filed July 21, 1934. Serial No. 354,176. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,611. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,177. PUBLISHED OCTOBER 2, 1934. Class 49.

319,612. IRRADIATED COMPLEXION CREAM FOR THE TREATMENT OF THE SKIN. THE VITA-RAY CORPORATION, Lowell, Mass.
Filed July 21, 1934. Serial No. 354,181. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,613. WEARING APPAREL—NAMELY, MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. ELDER MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 23, 1934. Serial No. 354,194. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,614. TRANSFORMER OILS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed August 8, 1934. Serial No. 354,777. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,615. SALTED PEANUTS. PLANTERS NUT & CHOCOLATE CO., Wilkes-Barre, Pa., and Suffolk, Va.
Filed August 8, 1934. Serial No. 354,773. PUBLISHED OCTOBER 2, 1934. Class 46.

319,616. HOSIERY. BENAL HOSIERY COMPANY, INC., New York, N. Y.
Filed August 8, 1934. Serial No. 354,741. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,617. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 7, 1934. Serial No. 354,734. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,618. VITREOUS ENAMEL POTS, PANS, AND KETTLES FOR COOKING AND SANITARY PURPOSES FOR THE HOME, RESTAURANT, AND HOSPITAL. POLAR WARE COMPANY, Sheboygan, Wis.
Filed May 2, 1934. Serial No. 350,808. PUBLISHED SEPTEMBER 25, 1934. Class 13.

319,619. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIP STICKS, DUSTING POWDER, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS, AND VEGETAL. JEANNE FORSTREM, Paris, France.
Filed May 2, 1934. Serial No. 350,795. PUBLISHED SEPTEMBER 18, 1934. Class 6

319,620. MEN'S, WOMEN'S, AND CHILDREN'S SWIMMING SUITS, SUN SUITS, SWIMMING TRUNKS, SWEATERS, AND UNDERWEAR. GANTNER & MATTERN CO., San Francisco, Calif.
Filed April 20, 1934. Serial No. 350,241. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,621. MARINE LUBRICATING GREASES. PENOLA INC., Pittsburgh, Pa.
Filed April 23, 1934. Serial No. 350,389. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,622. TOOTH POWDER. BENJAMIN BROCK, Buffalo, N. Y.
Filed April 10, 1934. Serial No. 349,769. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,623. TOOTH PASTE. LAMBERT PHARMACAL COMPANY, Wilmington, Del.
Filed April 9, 1934. Serial No. 349,729. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,624. TABLE SALT. THE ANTHONY SALT COMPANY, Anthony and Kansas City, Kans.
Filed April 9, 1934. Serial No. 349,704. PUBLISHED OCTOBER 2, 1934. Class 46.

319,625. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS, AND PAJAMAS. LOUIS J. SILVERMAN, Chicago, Ill.
Filed April 2, 1934. Serial No. 349,444. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,626. GERMICIDE AND ANTISEPTIC. HERMAN L. HENZERLING, doing business as Rutherford Laboratories, Rutherford, N. J.
Filed March 29, 1934. Serial No. 349,280. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,627. RUM. RUM COMPANY, LTD., Basel, Switzerland.
Filed August 9, 1934. Serial No. 354,808. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,628. RUM. RUM COMPANY, LTD., Basel, Switzerland.
Filed August 9, 1934. Serial No. 354,806. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,629. CANNED FRUITS, NATIONAL FRUIT CANNING CO., Seattle, Wash.
Filed August 9, 1934. Serial No. 354,805. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,630. COCOA AND SALAD DRESSING. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed August 9, 1934. Serial No. 354,798. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,631. CANDY. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed August 9, 1934. Serial No. 354,797. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,632. COTTON, FIBRE, AND MANILA CORD, ROPE, AND TWINE. THE GRADY-TRAVERS COMPANY, INCORPORATED, New York, N. Y.
Filed August 9, 1934. Serial No. 354,795. PUBLISHED OCTOBER 2, 1934. Class 7.

319,633. COTTON, FIBRE, AND MANILA CORD, ROPE, AND TWINE. THE GRADY-TRAVERS COMPANY, INCORPORATED, New York, N. Y.
Filed August 9, 1934. Serial No. 354,796. PUBLISHED OCTOBER 2, 1934. Class 7.

319,634. PERFUMES AND TOILET WATERS. JEAN PATOU, INC., New York, N. Y.
Filed July 9, 1934. Serial No. 353,682. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,635. CREME DEODORANT. MARION LAMBERT, INC., St. Louis, Mo.
Filed July 9, 1934. Serial No. 353,660. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,636. PORTABLE FOOD GRINDERS FOR DOMESTIC USE IN THE GRINDING OF FRUIT, VEGETABLES, MEAT, ETC. MAX HAUSER, doing business as Modern Health-Product Supply Co., Milwaukee, Wis.
Filed July 9, 1934. Serial No. 353,648. PUBLISHED SEPTEMBER 25, 1934. Class 23.

319,637. LADIES' HANDBAGS AND POCKETBOOKS. THE HARLIC BAG CO., South Norwalk, Conn.
Filed July 9, 1934. Serial No. 353,647. PUBLISHED OCTOBER 2, 1934. Class 3.

319,638. WOMEN'S WEARING APPAREL—NAMELY, JACKETS, COATS, CAPES, SUITS, SKIRTS, AND WAISTS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed June 14, 1934. Serial No. 352,676. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,639. ELECTRIC LAMP SOCKETS, ELECTRIC SWITCHES, ELECTRIC CORD CONNECTORS, ELECTRIC FUSES, ELECTRIC WIRE CONNECTORS, AND ELECTRIC CONVENIENCE OUTLETS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,727. PUBLISHED SEPTEMBER 25, 1934. Class 21.

319,640. GAS AND OIL BURNING FURNACES FOR HEATING BUILDINGS AND PARTS THEREOF, AIR CONDITIONING APPARATUS AND PARTS THEREOF, AND HEATING AND COOLING RADIATORS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,735. PUBLISHED SEPTEMBER 25, 1934. Class 34.

319,641. CLOCKS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,733. PUBLISHED OCTOBER 2, 1934. Class 27.

319,642. ELECTRIC TRANSFORMERS; TRAFFIC SIGNAL LIGHT SYSTEMS AND EQUIPMENT AND PARTS THEREOF; ELECTRIC CIRCUIT CONTROLLERS; ELECTRIC SWITCHES; ELECTRIC FOUNTAINS; ELECTRIC CIRCUIT CUTOUTS; AND FLOOD LIGHTS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,736. PUBLISHED SEPTEMBER 25, 1934. Class 21.

319,643. WINES. SINDICATO AGRICOLA DE VISDORES DE ALBARIZAS, Jerez de la Frontera, Spain.
Filed June 15, 1934. Serial No. 352,756. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,644. BRANDIES. MARTIAL ADRIEN GEORGES EDOUARD LAPORTE BISQUIT, doing business as Bisquit Dubouche & Co., Laporte Bisquit & Co., Successeurs, Jarnac-Cognac, France.
Filed June 19, 1934. Serial No. 352,866. PUBLISHED OCTOBER 2, 1934. Class 49.

319,645. WINE. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges (Cote d'Or), France.
Filed June 19, 1934. Serial No. 352,867. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,646. WINE. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges (Cote d'Or), France.
Filed June 19, 1934. Serial No. 352,868. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,647. WINE. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges (Cote d'Or), France.
Filed June 19, 1934. Serial No. 352,869. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,648. WINES. PASQUIER DESVIGNES ET CIE., SOCIETE ANONYME, St. Lager-Rhone, France.
Filed June 19, 1934. Serial No. 352,872. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,649. BRANDY. SOCIÉTÉ ANONYME FELIX POTIN, Paris, France.
Filed June 19, 1934. Serial No. 352,877. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,650. PREPARATIONS USED IN THE TREATMENT OF COLDS, COUGHS, DISEASES OF THE RESPIRATORY ORGANS, GRIPPE, RICKETS, CATARRH, ANÆMIA, BRONCHITIS AND WHEREEVER THE INTERNAL USE OF CREOSOTE IS RECOMMENDED. L. PAUTAUBERGE, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France.
Filed June 20, 1934. Serial No. 352,921. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,651. KNITTED GARMENTS FOR WOMEN COMPRISING DRESSES, SUITS, COATS, SKIRTS, BLOUSES, AND SWEATERS. MIRIAM GROSS CO., Milwaukee, Wis.
Filed July 18, 1934. Serial No. 354,050. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,652. MEDICATED COUGH DROPS. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa.
Filed July 20, 1934. Serial No. 354,145. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,653. INSECTICIDES, INSECT SPRAYS, AND CATTLE SPRAYS. FLEET-WING CORPORATION, Cleveland, Ohio.
Filed July 21, 1934. Serial No. 354,151. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,654. ANTISEPTIC POWDER. ELWOOD J. GOODIER, doing business as Universal Laboratories, Dallas, Tex.
Filed July 21, 1934. Serial No. 354,154. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,655. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 6, 1934. Serial No. 354,698. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,656. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed August 6, 1934. Serial No. 354,697. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,657. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed August 6, 1934. Serial No. 354,696. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,658. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed August 6, 1934. Serial No. 354,695. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,659. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed August 6, 1934. Serial No. 354,694. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,660. STARCHES USED IN THE TEXTILE TRADE. THE HUBINGER CO., Keokuk, Iowa.
Filed August 6, 1934. Serial No. 354,683. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,661. SEVEN KINDS OF BACTERIAL ANTIGENS SPECIFICALLY KNOWN AS: ACNE MIXED, COLI MIXED, GONOCOCCUS, PERTUSSIN, STAPHYLOCOCCUS, STAPHYLOCOCCUS - STREPTOCOCCUS, AND STREPTOCOCCUS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed August 4, 1934. Serial No. 354,660. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,662. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed August 3, 1934. Serial No. 354,629. PUBLISHED SEPTEMBER 25, 1934. Class 43.

319,663. ALCOHOLIC MINT JULEP. THE TOM COLLINS CORPORATION, Cincinnati, Ohio.
Filed August 2, 1934. Serial No. 354,561. PUBLISHED OCTOBER 2, 1934. Class 49.

319,664. WHISKEY, GIN, RUM, AND ALCOHOLIC CORDIALS. WILLIAM EDWARD BERARD AND THERESA ISABEL BERARD, Lowell, Mass.
Filed August 2, 1934. Serial No. 354,558. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,665. PETROLEUM WAXES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed August 2, 1934. Serial No. 354,557. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,666. PETROLEUM WAXES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed August 2, 1934. Serial No. 354,556. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,667. PETROLEUM WAXES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed August 2, 1934. Serial No. 354,555. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,668. WHISKEY. THE WEIDEMAN CO., Cleveland, Ohio.
Filed August 1, 1934. Serial No. 354,532. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,669. MEN'S SOCKS. GREAT AMERICAN KNITTING MILLS, INC., Bechtelsville, Pa.
Filed July 30, 1934. Serial No. 354,441. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,670. COFFEE. RICH MAID MANUFACTURING COMPANY, INC., Richmond, Va.
Filed July 27, 1934. Serial No. 354,388. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,671. DEPILATORIES AND BODY DEODORANTS. O. D. C. CORPORATION, New York, N. Y.
Filed July 27, 1934. Serial No. 354,385. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,672. PREPARATIONS FOR MAKING FROZEN DESSERTS. A. A. KNIGHTS & SON CORPORATION, Malden, Mass.
Filed July 27, 1934. Serial No. 354,377. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,673. ANALGESIC FOR EXTERNAL USE. GENERAL DRUG COMPANY, New York, N. Y.
Filed July 27, 1934. Serial No. 354,374. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,674. CHEMICAL INHIBITOR FOR OPPOSING THE CORROSIVE ACTION OF MURIATIC ACID ON METAL. AMERICAN CHEMICAL PAINT COMPANY, Lower Gwynedd, Pa.
Filed July 27, 1934. Serial No. 354,363. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,675. WHISKEY, GIN, ALCOHOLIC CORDIALS, RUM, BRANDY, AND COGNAC. JACOB S. POLEFSKY, doing business as The Continental Pure Products Co., Jersey City, N. J.
Filed August 14, 1934. Serial No. 355,000. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,676. WHISKEY. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky.
Filed October 11, 1933. Serial No. 342,330. PUBLISHED DECEMBER 19, 1933. Class 49.

319,677. BOTTLED WHISKIES AND GINS. JAMES E. MORONEY, doing business as James Moroney, Philadelphia, Pa.
Filed October 18, 1933. Serial No. 342,618. PUBLISHED OCTOBER 2, 1934. Class 49.

319,678. BOTTLED WHISKIES AND GINS. JAMES E. MORONEY, doing business as James Moroney, Philadelphia, Pa.
Filed October 18, 1933. Serial No. 342,617. PUBLISHED OCTOBER 2, 1934. Class 49.

319,679. WINES. WAX & VITALE, Genoa, Italy.
Filed March 7, 1934. Serial No. 348,308. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,680. MIXED CORN SYRUP FOR TABLE USE. THE HUBINGER CO., Keokuk, Iowa.
Filed February 19, 1934. Serial No. 347,567. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,681. LIQUID SEALER AND FILLER FOR CONCRETE AND MASONRY. THE TRUSCON LABORATORIES, Detroit, Mich.
Filed February 23, 1934. Serial No. 347,762. PUBLISHED SEPTEMBER 25, 1934. Class 12.

319,682. PREPARATIONS FOR THE TREATMENT OF HAY FEVER, ASTHMA, BRONCHITIS, COUGHS, AND COLDS. TAILBY-NASON COMPANY, Cambridge, Mass.
Filed February 15, 1934. Serial No. 347,424. PUBLISHED APRIL 3, 1934. Class 6.

319,683. WOMEN'S AND CHILDREN'S SKIRTS, BLOUSES, SWEATERS, CARDIGANS, AND SCARFS. JOSEPH SAFTLAS, Philadelphia, Pa.
Filed February 9, 1934. Serial No. 347,190. PUBLISHED MARCH 27, 1934. Class 39.

319,684. ALCOHOLIC BITTERS AND CORDIALS AND OTHER POTABLE DISTILLED LIQUEURS. ALBERT ROGUET, Courtenay, France.
Filed February 6, 1934. Serial No. 347,025. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,685. REFINED, SEMIREFINED, AND UNREFINED OIL MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL SUBSTANCES FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. COMPAGNIE FINANCIÈRE BELGE DES PÉTROLES SOCIÉTÉ ANONYME, Antwerp, Belgium.
Filed February 5, 1934. Serial No. 346,951. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,686. HAND LOTION. MENDENHALL NO. 1 PHARMACY, INC., Brazil, Ind.
Filed January 22, 1934. Serial No. 346,443. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,687. STUDENT'S SCIENCE SET. NOEL H. M. CAMPBELL, Jamaica, N. Y.
Filed January 20, 1934. Serial No. 346,390. PUBLISHED SEPTEMBER 25, 1934. Class 26.

319,688. LANOLINE WOOL-FATS AND MIXTURES CONTAINING THE SAME FOR MEDICINAL AND COSMETIC PURPOSES. PFALTZ & BAUER, INC., New York, N. Y.
Filed January 22, 1934. Serial No. 346,374. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,689. SPECIALLY PREPARED STARCH FOR USE IN THE MANUFACTURE OF PAPER. A. M. MEINCKE & SON, INC., Chicago, Ill., assignor to Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands.
Filed January 20, 1934. Serial No. 346,313. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,690. BAKING POWDER, PUDDING POWDER, CHOCOLATE FOOD DRINKS, FOOD FLAVORING EXTRACTS AND SPICES. HENRY DRUMMOND BRAEUTIGAM, doing business as Mutual Service, Newark, N. J.
Filed January 10, 1934. Serial No. 345,853. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,691. SPECIFIC MEDICINES, PREPARATIONS FOR HYPODERMIC USE, ETC. LLOYD BROTHERS PHARMACISTS, INC., Cincinnati, Ohio.
Filed August 14, 1933. Serial No. 340,687. PUBLISHED MARCH 20, 1934. Class 6.

319,692. PHOTOGRAPHIC CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed July 29, 1933. Serial No. 340,246. PUBLISHED SEPTEMBER 25, 1934. Class 26.

319,693. GERMICIDE FOR TREATMENT OF DISEASES OF THE MOUTH. NORTHERN RESEARCH LABORATORIES, INC., Minneapolis, Minn.
Filed July 29, 1933. Serial No. 340,232. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,694. BATTERY CONNECTORS. HEYER PRODUCTS COMPANY, INC., Belleville, N. J.
Filed December 21, 1932. Serial No. 333,258. PUBLISHED SEPTEMBER 25, 1934. Class 21.

319,695. WINES. DUBONNET WINE CORPORATION, New York, N. Y.
Filed July 10, 1934. Serial No. 353,710. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,696. PERFUMES AND TOILET WATERS. JEAN PATOU, INC., New York, N. Y.
Filed July 9, 1934. Serial No. 353,683. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,697. WHISKY. IAN MACLEOD & COMPANY, LIMITED, Glasgow and Isle of Skye, Scotland.
Filed July 9, 1934. Serial No. 353,663. PUBLISHED OCTOBER 2, 1934. Class 49.

319,698. WINES. MRS. EVA LEWIS, doing business as Tivoli Vintage Co., Los Angeles, Calif.
Filed June 30, 1934. Serial No. 353,398. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,699. CLEANING PREPARATION FOR PERSONAL USE SUCH AS CLEANING THE HANDS AND THE SKIN; AND FOR GENERAL HOUSEHOLD USE SUCH AS CLEANING PAINTED WALLS, WOODWORK, BATHROOM FIXTURES, STOVES, RUGS, UPHOLSTERY, AND FABRICS. THE TASSO COMPANY, South Bend, Ind.
Filed July 3, 1934. Serial No. 353,489. PUBLISHED SEPTEMBER 25, 1934. Class 4.

319,700. VERMOUTH. MARCIAL SAMPER FERRANDIZ, Alicante, Spain.
Filed July 5, 1934. Serial No. 353,509. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,701. AN ORGANIC ARSENIOUS MEDICINAL PREPARATION PUT UP IN AMPOULES TO BE USED IN THE TREATMENT OF SYPHILIS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 5, 1934. Serial No. 353,517. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,702. WHISKEY. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill.
Filed July 5, 1934. Serial No. 353,519. PUBLISHED OCTOBER 2, 1934. Class 49.

319,703. FRESH CITRUS FRUITS. ENGELMAN GARDENS PRODUCTS MARKETING ASSOCIATION, St. Louis, Mo., and Elsa, Tex.
Filed July 30, 1934. Serial No. 354,435. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,704. FRESH CITRUS FRUITS. ENGELMAN GARDENS PRODUCTS MARKETING ASSOCIATION, St. Louis, Mo., and Elsa, Tex.
Filed July 30, 1934. Serial No. 354,434. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,705. BUCKLES FOR HOSE SUPPORTERS, SUSPENDERS, AND THE LIKE. THE ANSONIA O & C COMPANY, Ansonia, Conn.
Filed July 11, 1934. Serial No. 353,744. PUBLISHED SEPTEMBER 25, 1934. Class 40.

319,706. ELECTRIC STARTING, LIGHTING, GENERATING AND IGNITION PARTS AND SUPPLIES. P. & D. MANUFACTURING COMPANY, INC., Long Island City, N. Y.
Filed July 10, 1934. Serial No. 353,723. PUBLISHED SEPTEMBER 25, 1934. Class 21.

319,707. HAND SOAP AND A HOUSEHOLD CLEANING PREPARATION ESPECIALLY USEFUL AND PRACTICABLE FOR CLEANING WINDOW GLASS, PAINTED WOODWORK AND WALL SURFACES. KITCHEN SINKS, BATHTUBS, AND OTHER SIMILAR STRUCTURES IN AND AROUND THE HOME. GEORGE MYCHUDA, doing business as The Green Lite Laboratory, Northampton, Pa.
Filed July 18, 1934. Serial No. 354,051. PUBLISHED SEPTEMBER 25, 1934. Class 4.

319,708. SOAP FOR DOGS. THE MERCIREX COMPANY, Milford, Del.
Filed July 18, 1934. Serial No. 354,049. PUBLISHED SEPTEMBER 25, 1934. Class 4.

319,709. TONIC FOR BODY BUILDING. RIVAS & CO., INC., New York, N. Y.
Filed July 17, 1934. Serial No. 354,004. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,710. CARBURIZERS FOR LIQUID BATHS USED IN THE TREATMENT OF STEEL. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed July 17, 1934. Serial No. 353,986. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,711. HAIR AND SCALP TONIC. SPOFFORD A. BAKER, Charlotte, N. C.
Filed July 14, 1934. Serial No. 353,967. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,712. WHISKY. JOHN WALKER & SONS, LIMITED, London, England.
Filed July 16, 1934. Serial No. 353,962. PUBLISHED OCTOBER 2, 1934. Class 49.

319,713. WHISKEY. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England.
Filed July 16, 1934. Serial No. 353,948. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,714. WINES. CALIFORNIA IMPORTINO COMPANY, Los Angeles, Calif.
Filed July 16, 1934. Serial No. 353,912. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,715. OIL WELL TOOLS—NAMELY, GUNTYPE, WELL CASING PERFORATORS FOR FIRING PROJECTILES THROUGH WELL CASING, FISHING MAGNET EQUIPMENT, PACKERS, LINER HANGERS, LINER SETTING TOOLS, SWABS, AND PARTS THEREOF. THE LANE-WELLS CO., Los Angeles, Calif.
Filed July 14, 1934. Serial No. 353,897. PUBLISHED SEPTEMBER 25, 1934. Class 23.

319,716. BLUING FOR LAUNDERING PURPOSES. RECKITTS (U. S. A.), LTD., Hull, England, and Rochester, N. Y.
Filed July 13, 1934. Serial No. 353 859. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,717. CANDY. THOMAS K. FAULKNER, Springfield, Mo.
Filed July 12, 1934. Serial No. 353,798. PUBLISHED OCTOBER 2, 1934. Class 46.

319,718. CHOCOLATE COVERED FROZEN CREAM BAR. LONNIE G. BAKER, Mineral Wells, Tex.
Filed July 11, 1934. Serial No. 353,745. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,719. WHISKEY. HIGHLAND DISTILLERIES PRODUCTS CORP., Jersey City, N. J.
Filed February 14, 1934. Serial No. 347,354. PUBLISHED MARCH 27, 1934. Class 49.

319,720. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. DAVID PFEFFER, New York, N. Y.
Filed July 20, 1934. Serial No. 354,135. PUBLISHED SEPTEMBER 25, 1934. Class 28.

319,721. PREPARATION FOR TREATMENT OF OBESITY. VICTOR HALPER, doing business as Remogland Chemical Company, New York, N. Y.
Filed July 19, 1934. Serial No. 354,086. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,722. SNOW SUITS AND SKI PANTS. LAKELAND MFG. CO., Sheboygan, Wis.
Filed July 31, 1934. Serial No. 354,466. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,723. LIQUID ANTISEPTIC AND ANESTHETIC. MICHAEL LISS, doing business as Gum-Num Company, Newark, N. Y.
Filed June 28, 1934. Serial No. 353 283. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,724. GIN AND WHISKEY. TRANSAMERICA WINE & LIQUOR CORP., Brooklyn, N. Y.
Filed June 28, 1934. Serial No. 353,306. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,725. DRESSER AND BAG TOILET SETS NOT MADE OF, NOR TRIMMED WITH, PRECIOUS METAL, COMPRISING BRUSHES, COMBS, MIRRORS, PUFF BOXES JEWEL BOXES, TRAYS, FILES, HOOKS, SHOEHORNS, CUTICLE KNIVES, PERFUME BOTTLES, SCISSORS, CLOCKS, PICTURE FRAMES, CREAM JARS, AND UTILITY BOXES. AMEBITH INCORPORATED, Newark, N. J.
Filed July 24, 1934. Serial No. 354,233. PUBLISHED SEPTEMBER 25, 1934. Class 40.

319,726. DRESSER AND BAG TOILET SETS NOT MADE OF, NOR TRIMMED WITH, PRECIOUS METAL, COMPRISING BRUSHES, COMBS, MIRRORS, PUFF BOXES, JEWEL BOXES, TRAYS, FILES, HOOKS, SHOEHORNS, CUTICLE KNIVES, PERFUME BOTTLES, SCISSORS, CLOCKS, PICTURE FRAMES, CREAM JARS, AND UTILITY BOXES. ART IVORY, INCORPORATED, Newark, N. J.
Filed July 24, 1934. Serial No. 354,235. PUBLISHED SEPTEMBER 25, 1934. Class 40.

319,727. DRESSER AND BAG TOILET SETS NOT MADE OF, NOR TRIMMED WITH, PRECIOUS METAL, COMPRISING BRUSHES, COMBS, MIRRORS, PUFF BOXES, JEWEL BOXES, TRAYS, FILES, HOOKS, SHOEHORNS, CUTICLE KNIVES, PERFUME BOTTLES, SCISSORS, CLOCKS, PICTURE FRAMES, CREAM JARS, AND UTILITY BOXES. ART IVORY, INCORPORATED, Newark, N. J.
Filed July 24, 1934. Serial No. 354,234. PUBLISHED SEPTEMBER 25, 1934. Class 40.

319,728. WHISKEY, BRANDY, GIN, AND ALCOHOLIC CORDIALS. CALIFORNIA ORANGE PRODUCTS LABORATORIES, LTD., Hawthorne, Calif.
Filed July 24, 1934. Serial No. 354,241. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,729. WHISKEY, BRANDY, GIN, AND ALCOHOLIC CORDIALS. CALIFORNIA ORANGE PRODUCTS LABORATORIES, LTD., Hawthorne, Calif.
Filed July 24, 1934. Serial No. 354,242. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,730. WHISKEY. PACIFIC LIQUOR COMPANY, Los Angeles, Calif.
Filed July 24, 1934. Serial No. 354,258. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,731. INCENSE. SENZODOR, INC., Rochester, N. Y.
Filed July 24, 1934. Serial No. 354,268. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,732. WHISKEY, BRANDY, GIN, AND ALCOHOLIC CORDIALS. SOUTHERN CALIFORNIA DISTILLERIES, LTD., Hawthorne, Calif.
Filed July 24, 1934. Serial No. 354,269. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,733. MINERAL FOOD SUPPLEMENT FOR DOGS, CATS, FOXES, AND OTHER ANIMALS. JOHN F. MCKENNA, Los Angeles, Calif.
Filed July 25, 1934. Serial No. 354,315. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,734. CRACKERS. PAUL SCHULZE BISCUIT, CO., Chicago, Ill.
Filed July 25, 1934. Serial No. 354,322. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,735. WHISKEY. TONKIN DISTRIBUTING CO., San Francisco, Calif.
Filed July 25, 1934. Serial No. 354,330. PUBLISHED OCTOBER 2, 1934. Class 49.

319,736. DEODORIZERS. THE CANDO CORPORATION, Cambridge, Mass.
Filed July 26, 1934. Serial No. 354,344. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,737. WHISKEY HIGHBALLS. THE TOM COLLINS CORPORATION, Cincinnati, Ohio.
Filed July 26, 1934. Serial No. 354,348. PUBLISHED OCTOBER 2, 1934. Class 49.

319,738. MENTHOLATED SALT IN POWDER, FLAKE, OR CRYSTAL FORM FOR USE AS A CLEANSER, DEODORANT, ASTRINGENT, WATER SOFTENER, COUNTERIRRITANT, TO DISSOLVE WASTE MATTER AND AID ELIMINATION FROM THE SKIN, FOR BATH ESSENTIALLY; ALSO FOR MOUTH WASH, GARGLE, NASAL SPRAY, TOOTH POWDER, FOR ENEMA OR VAGINAL DOUCHE, FOR TIRED FEET, FOR HOT APPLICATIONS, AND FOR MASSAGE. LILLIAN S. TUBIN, doing business as Elte Laboratories, Chicago, Ill.
Filed June 25, 1934. Serial No. 353,197. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,739. WOMEN'S KNITTED OR WOVEN UNDERWEAR. R. H. MACY & CO., INC., New York, N. Y.
Filed June 27, 1934. Serial No. 353,219. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,740. FACE POWDERS, ROUGES, CREAMS, LIP STICKS, EYEBROW PENCILS, EYE SHADOW, AND MASCARA. CRYSTAL CORPORATION, New York, N. Y.
Filed December 12, 1933. Serial No. 344,842. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,741. LADIES', MISSES', AND JUNIOR DRESSES, COATS, SUITS, BLOUSES, SKIRTS, LINGERIE, HATS, AND ROBES. LETTIE LEE, Los Angeles, Calif.
Filed December 4, 1933. Serial No. 344,436. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,742. STOMACH BITTERS. SOCIETÀ ANONIMA FRATELLI BRANCA, Milan, Italy.
Filed November 17, 1933. Serial No. 343,799. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,743. MAGAZINES PUBLISHED MONTHLY. FREDERICK E. ATWOOD, Boston, Mass.
Filed November 8, 1933. Serial No. 343,381. PUBLISHED DECEMBER 19, 1933. Class 38.

319,744. WINES. PASQUIER-DESVIGNES ET CIE., SOCIÉTÉ ANONYME, St. Lager, France.
Filed October 24, 1933. Serial No. 342,850. PUBLISHED DECEMBER 5, 1933. Class 47.

319,745. MEN'S NECKTIES AND MUFFLERS. SAMBROOKS LIMITED, New York, N. Y.
Filed October 23, 1933. Serial No. 342,816. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,746. WHISKEY. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky., assignor to Penn-Maryland, Inc., New York, N. Y., a corporation of Delaware.
Filed October 17, 1933. Serial No. 342,564. PUBLISHED DECEMBER 5, 1933. Class 49.

319,747. WINES. H. R. PAFFORD, doing business as Old Colony Wine Company, Los Angeles, Calif.
Filed December 11, 1933. Serial No. 344,802. PUBLISHED JANUARY 23, 1934. Class 47.

319,748. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y.
Filed August 11, 1934. Serial No. 354,913. PUBLISHED SEPTEMBER 25, 1934. Class 28.

319,749. GIN AND WHISKEY. THE CHESAPEAKE DISTILLING AND DISTRIBUTING COMPANY, Baltimore, Md.
Filed August 13, 1934. Serial No. 354,922. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,750. APPLEJACK BRANDY. DUTCHESS COUNTY CIDER CORP., Poughkeepsie, N. Y.
Filed August 13, 1934. Serial No. 354,925. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,751. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. HILLCREST DISTILLING CORPORTION, Lawrenceburg, Ind.
Filed August 13, 1934. Serial No. 354,933. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,752. MAYONNAISE AND SALAD DRESSING. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed August 13, 1934. Serial No. 354,937. PUBLISHED OCTOBER 2, 1934. Class 46.

319,753. WHISKEY AND GIN. LYNNDALE DISTILLERY COMPANY, Louisville, Ky.
Filed August 13, 1934. Serial No. 354,940. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,754. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. LYNNDALE DISTILLERY COMPANY, Louisville, Ky.
Filed August 13, 1934. Serial No. 354,941. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,755. WHISKEY, GIN, AND BRANDY. SELECTED KENTUCKY DISTILLERS, INC., Louisville, Ky.
Filed August 13, 1934. Serial No. 354,955. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,756. WHISKEY. WASHINGTON WHOLESALE LIQUOR CORPORATION, Washington, D. C.
Filed August 13, 1934. Serial No. 354,905. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,757. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky.
Filed August 14, 1934. Serial No. 354,976. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,758. RIBBONS OF CELLULOSE AND/OR REGENERATED CELLULOSE. DU-TONE RIBBON CORPORATION, New York, N. Y.
Filed August 14, 1934. Serial No. 354,983. PUBLISHED OCTOBER 2, 1934. Class 50.

319,759. GIN. BUNCE ALLEN, INC., New York, N. Y.
Filed August 15, 1934. Serial No. 355,005. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,760. BRANDY. PACIFIC COAST WINERIES INC., Los Angeles, Calif.
Filed August 10, 1934. Serial No. 354,866. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,761. WHISKEY. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,875. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,762. SHAVING CREAM AND THE LIKE. ROBERT WILLIAMSON STORRS, Jr., Richmond, Va.
Filed August 10, 1934. Serial No. 354,878. PUBLISHED SEPTEMBER 25, 1934. Class 4.

319,763. CANNED DOG AND CAT FOOD. ANIMAL FOODS COMPANY, doing business as Hi-Test Products Co., San Jose, Calif.
Filed August 11, 1934. Serial No. 354,884. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,764. GIN, WHISKEY, COGNAC, AND BRANDY. MAURICE E. HARRIS, doing business as Continental Liquors, Los Angeles, Calif.
Filed August 11, 1934. Serial No. 354,897. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,765. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. MAJESTIC DISTILLING COMPANY, Baltimore, Md.
Filed August 11, 1934. Serial No. 354,902. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,766. BED SPRINGS. SLEEPWELL METAL BED CO., INC., Brooklyn, N. Y.
Filed August 11, 1934. Serial No. 354,911. PUBLISHED SEPTEMBER 25, 1934. Class 32.

319,767. HAIR PREPARATIONS, CREAMS, LOTIONS, ETC. SERVICE LABORATORIES, St. Louis, Mo.
Filed May 28, 1934. Serial No. 352,001. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,768. ROTARY PRINTING PRESSES AND PARTS THEREOF. DUPLEX PRINTING PRESS CO., Battle Creek, Mich.
Filed May 28, 1934. Serial No. 351,973. PUBLISHED SEPTEMBER 25, 1934. Class 23.

319,769. WINE. E. L. SPELLMAN CO. INC., Hoboken, N. J.
Filed May 26, 1934. Serial No. 351,942. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,770. ALCOHOLIC CORDIALS. POPPER MORSON CO. INC., Jersey City, N. J.
Filed May 26, 1934. Serial No. 351,931. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,771. APPETIZING WINES. FRANÇOIS MATTEI, Bastia, France.
Filed May 26, 1934. Serial No. 351,925. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,772. GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. FLEET-WING CORPORATION, Cleveland, Ohio.
Filed May 18, 1934. Serial No. 351,500. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,773. GIN AND WHISKY. JOHN DAVID, New York, N. Y.
Filed May 16, 1934. Serial No. 351,396. PUBLISHED OCTOBER 2, 1934. Class 49.

319,774. NECKTIES FOR MEN. BERCK NECKWEAR COMPANY, Los Angeles, Calif.
Filed May 15, 1934. Serial No. 351,343. PUBLISHED SEPTEMBER 25, 1934. Class 39.

319,775. PORT WINES. MORGADO & SILVA, Villa Nova de Gaya, Portugal.
Filed May 8, 1934. Serial No. 351,077. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,776. ICE CREAM CONES. LANIER CONE COMPANY, Cincinnati, Ohio.
Filed May 3, 1934. Serial No. 350,859. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,777. GIN. JAMES VAN DISSEN DISTILLING CO., Los Angeles, Calif.
Filed August 3, 1934. Serial No. 354,644. PUBLISHED OCTOBER 2, 1934. Class 49.

319,778. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed August 3, 1934. Serial No. 354,631. PUBLISHED SEPTEMBER 25, 1934. Class 43.

319,779. WINES. G. & L. FLLI CORA, Turin, Italy.
Filed May 31, 1934. Serial No. 352,069. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,780. WHISKY. AINSLIE & HEILBRON (DISTILLERS) LIMITED, Glasgow, Scotland.
Filed May 31, 1934. Serial No. 352,063. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,781. PREPARATIONS FOR THE TREATMENT OF CANCERS. FOREST P. FEAZEL, Indianapolis, Ind.
Filed July 9, 1934. Serial No. 353,631. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,782. MEDICAL PREPARATION USED IN THE TREATMENT OF NEOPLASTIC DISEASES. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed July 7, 1934. Serial No. 353,613. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,783. COTTON BROADCLOTHS. NICANOR P. RIVERA, doing business as Central Converting Company, New York, N. Y.
Filed July 5, 1934. Serial No. 353,539. PUBLISHED SEPTEMBER 25, 1934. Class 42.

319,784. PHARMACEUTICAL PREPARATIONS SUCH AS FOR USE AS ANALGESIC AND IN DRUG ADDICTION AND IN CERTAIN ALLERGIC DISEASES. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y.
Filed July 5, 1934. Serial No. 353,527. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,785. FLOUR, GRAPE JELLY, FRUIT PRESERVES, ETC. PÉRLOFF BROS., Philadelphia, Pa.
Filed August 15, 1934. Serial No. 355,036. PUBLISHED OCTOBER 2, 1934. Class 46.

319,786. WHISKEY. PHILADELPHIA PURE RYE WHISKEY DISTILLING COMPANY OF PENNSYLVANIA, LIMITED, Eddington, Pa.
Filed August 15, 1934. Serial No. 355,038. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,787. BREAD. J. F. RENZ AND SONS, Lima, Ohio.
Filed August 15, 1934. Serial No. 355,040. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,788. SPECIALLY PROCESSED SOY-BEAN FLOUR USED AS A SAUSAGE BINDER. SHELLABARGER GRAIN PRODUCTS COMPANY, Decatur, Ill.
Filed August 15, 1934. Serial No. 355,042. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,789. BACON AND HAMS. WILLIAM DAVIES CO., INC., Chicago, Ill.
Filed August 16, 1934. Serial No. 355,057. PUBLISHED OCTOBER 2, 1934. Class 46.

319,790. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. MAR-DIS WINES & SPIRITS CORPORATION, Baltimore, Md.
Filed August 16, 1934. Serial No. 355,071. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,791. PETROLEUM WAX. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed August 16, 1934. Serial No. 355,078. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,792. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. MAJESTIC WINE & SPIRITS, INC., Camden, N. J.
Filed August 17, 1934. Serial No. 355,109. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,793. INKS—NAMELY, WRITING INKS, PRINTING INKS, STAMP PAD INKS, DRAWING INKS, SILK SCREEN PROCESS COLORS, CARBON PAPER, AND TYPEWRITER RIBBONS. RUXTON PRODUCTS, INC., New York, N. Y.
Filed August 17, 1934. Serial No. 355,120. PUBLISHED OCTOBER 2, 1934. Class 11.

319,794. ANTI-FREEZE COMPOUNDS. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed August 10, 1934. Serial No. 354,838. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,795. WHISKEY AND GIN. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J.
Filed August 10, 1934. Serial No. 354,839. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,796. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,860. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,797. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,861. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,798. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,862. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,799. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,865. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,800. PORT WINES. SCHENLEY WINE & SPIRIT IMPORT CORPORATION, New York, N. Y.
Filed August 2, 1934. Serial No. 354,577. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,801. LIQUID TREATMENT FOR ATHLETES FOOT, RING WORM, IMPETIGO, AND OTHER SKIN FUNGUS. R. Q. HOWE, doing business as R-Q Laboratories, Alhambra, Calif.
Filed August 1, 1934. Serial No. 354,509. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,802. ABRASIVE STONES AND ABRASIVE GRINDING OR SHARPENING WHEELS. ANTON TILL & ADOLF HASLAUER, East Orange, N. J.
Filed July 31, 1934. Serial No. 354,483. PUBLISHED SEPTEMBER 25, 1934. Class 4.

319,803. NONIRRITANT OIL FOR EXTERNAL APPLICATION, BATH SALTS TO BE USED IN BATH, TISSUE CREAM, CLEANSING CREAM, CREAM BEAUTY PACK, ASTRINGENT, HAND LOTION, AND FACE POWDER. SUNLIFE CHLOROPHYLLIAN LABORATORIES, Long Beach, Calif.
Filed June 23, 1934. Serial No. 353,106. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,804. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed June 22, 1934. Serial No. 353,049. PUBLISHED OCTOBER 2, 1934. Class 49.

319,805. RECEPTACLES AND CASES — NAMELY, EMPTY LIP STICK CASES, VANITY AND MASCARA CASES, AND POWDER BOXES, ENAMELED ON BASE METAL. THE PATENT BUTTON COMPANY, Waterbury, Conn.
Filed June 22, 1934. Serial No. 353,034. PUBLISHED OCTOBER 2, 1934. Class 2.

319,806. WHISKEY. THE W. R. HOWARD COMPANY, Pikesville, Md.
Filed June 22, 1934. Serial No. 353,020. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,807. NONINJURIOUS ANIMAL REPELLENT IN THE FORM OF A SPRAY PREPARATION FOR USE IN AND AROUND LAWN SHRUBBERY, TREES, EVERGREENS, AND THE LIKE. ALOYSIUS J. VOCKE, Tippecanoe City, Ohio.
Filed June 26, 1934. Serial No. 353,189. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,808. CONCENTRATE OF THE PASO ROBLES MINERAL HOT SPRINGS SULPHUR WATER, A DIURETIC. PASO ROBLES CONCENTRATES, INC., Los Angeles, Calif.
Filed June 25, 1934. Serial No. 353,110. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,809. WINE. ISIDORE PELLENBERG, doing business as Allied Wines, New York, N. Y.
Filed June 4, 1934. Serial No. 352,264. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,810. WINES. RAWLINGS & SONS (LONDON) LIMITED, London, England.
Filed May 31, 1934. Serial No. 352,104. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,811. MATTRESSES, BED SPRINGS, PILLOWS, AND COUCHES. LUDWIG BAUMANN & COMPANY, New York, N. Y.
Filed May 31, 1934. Serial No. 352,088. PUBLISHED SEPTEMBER 25, 1934. Class 32.

319,812. GIN. JACOB ENGLANDER, doing business as Federal Products Co., Newark, N. J.
Filed May 31, 1934. Serial No. 352,072. PUBLISHED OCTOBER 2, 1934. Class 49.

319,813. FACE POWDERS AND MAKE-UP LOTIONS. ELMO, INC., Philadelphia, Pa.
Filed June 14, 1934. Serial No. 352,667. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,814. AMORPHOUS WAX USED PRINCIPALLY FOR THE IMPREGNATION OF PAPER. L. SONNEBORN SONS, INC., New York, N. Y.
Filed July 26, 1934. Serial No. 354,359. PUBLISHED SEPTEMBER 25, 1934. Class 6.

319,815. CHEESE PRODUCT BEING A BLEND OF AGED HERKIMER AND CHEDDAR CHEESE WITH MOISTURE AND BUTTER FAT ADDED CONTAINING NO PRESERVATIVE, AND USED AS A SPREAD OR AS OTHER CHEESE FOODS. ANTHONY SCHMIDT, doing business as The Club Cheese Co., Chicago, Ill.
Filed July 26, 1934. Serial No. 354,358. PUBLISHED SEPTEMBER 25, 1934. Class 46.

319,816. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed August 3, 1934. Serial No. 354,627. PUBLISHED SEPTEMBER 25, 1934. Class 43.

319,817. CREME DE MENTHE. WILLIAM SHIRLEY PETMAN GRANT, doing business as Thomas Grant & Sons, Maidstone, England.
Filed August 3, 1934. Serial No. 354,612. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,818. MUSICAL INSTRUMENT ACCESSORIES—NAMELY, STEEL, GUT AND SILK STRINGS FOR FRETTED AND BOWED INSTRUMENTS, PICKS, ROSIN FOR BOWED INSTRUMENTS, REEDS FOR CLARINET, SAXOPHONE, OBOE, AND BASSOON, SAXOPHONE STRAPS, CLARINET AND SAXOPHONE PADS, AND CLARINET AND SAXOPHONE MOUTHPIECES. SIMSON & FREY, INC., New York, N. Y.
Filed August 2, 1934. Serial No. 354,578. PUBLISHED SEPTEMBER 25, 1934. Class 36.

319,819. SLIPS, PETTICOATS, GOWNS, AND PANTIES. BONNIE FIDE UNDERGARMENT CO. INC., New York, N. Y.
Filed June 6, 1934. Serial No. 352,309. PUBLISHED SEPTEMBER 18, 1934. Class 39.

319,820. BREAD, ROLLS, CAKE, PIES, PASTRY. ED. DELORGE BAKING AND ICE CREAM CO., INC., Biddeford, Maine, assignor to Quality Bakers of America, Inc., New York, N. Y., a corporation of Delaware.
Filed June 6, 1934. Serial No. 352,314. PUBLISHED OCTOBER 2, 1934. Class 46.

319,821. COMPACTS AND COMBINATION VANITY BOXES, SINGLE, DOUBLE AND TRIPLE; AND FOR LOOSE POWDER VANITIES MADE OF BASE METAL OR SYNTHETIC COMPOSITION AND SOLD TO THE TRADE EMPTY. RICHARD HUDNUT, New York, N. Y.
Filed June 7, 1934. Serial No. 352,376. PUBLISHED OCTOBER 2, 1934. Class 2.

319,822. COLLOIDAL GRAPHITED OIL. THE GRAFINOYL CO., Bloomington, Ill.
Filed June 8, 1934. Serial No. 352,461. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,823. WINES. WILHELM BECKEL, Mainz, Germany.
Filed June 9, 1934. Serial No. 352,465. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,824. OINTMENT FOR USE IN TREATING BURNS, MAT BURNS, BOILS, CUTS, POISON IVY, INSECT BITES, ATHLETE'S FOOT, SUNBURN, CHAPPED FACE AND HANDS, PIMPLES, RASHES, BLACK EYES, ECZEMA, AND PRICKLY HEAT. ANTHONY KACHAN, doing business as Kachan Laboratories, Northboro, Mass.
Filed June 9, 1934. Serial No. 352,492. PUBLISHED SEPTEMBER 18, 1934. Class 6.

319,825. TOILET BRUSHES, AND PARTICULARLY TOOTH, HAIR, BATH, NAIL, MILITARY, CLOTHES, EYEBROW, HAND AND SCRUB BRUSHES. HENRY L. HUGHES CO., INC., New York, N. Y.
Filed June 13, 1934. Serial No. 352,618. PUBLISHED OCTOBER 2, 1934. Class 29.

319,826. CAULKING COMPOUNDS AND STEARATE PASTE. PENOLA INC., Pittsburgh, Pa.
Filed August 17, 1934. Serial No. 355,116. PUBLISHED SEPTEMBER 25, 1934. Class 12.

319,827. RUM. RUM COMPANY, LTD., Basel, Switzerland.
Filed August 9, 1934. Serial No. 354,809. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,828. WINE. SUNNY HILL WINERIES, Chicago, Ill.
Filed August 9, 1934. Serial No. 354,813. PUBLISHED SEPTEMBER 25, 1934. Class 47.

319,829. GASOLINE. THE TEXAS COMPANY, New York, N. Y.
Filed August 9, 1934. Serial No. 354,815. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,830. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,864. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,831. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,876. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,832. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CHARLES FAUSZ, Jr., doing business as Charles Fausz Jr. & Co., Newport, Ky.
Filed August 22, 1934. Serial No. 355,306. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,833. LEATHER. R. NEUMANN & COMPANY, Hoboken, N. J.
Filed August 22, 1934. Serial No. 355,318. PUBLISHED OCTOBER 2, 1934. Class 1.

319,834. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS, EXCEPTING COCKTAILS. CAPITOL DISTRIBUTORS CORPORATION, New York, N. Y.
Filed August 23, 1934. Serial No. 355,350. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,835. WINE. ISIDORE PELLENBERG, doing business as Allied Wines, New York, N. Y.
Filed June 4, 1934. Serial No. 352,265. PUBLISHED SEPTEMBER 4, 1934. Class 47.

319,836. WHISKEY AND GIN. A. ROSSANO, INC., New York, N. Y.
Filed June 4, 1934. Serial No. 352,268. PUBLISHED OCTOBER 2, 1934. Class 49.

319,837. SLIT AND NON-SLIT BUSHES OR BUSHINGS OF IRON, STEEL, BRONZE, METAL ALLOYS, USED FOR MECHANICAL JOINT PARTS; MILLERS; REAMERS; MILLING MACHINES AND TOOLS FOR THE SAME. "STABAG" STAHLBÜCHSEN A. G., Zug, Switzerland.
Filed June 5, 1934. Serial No. 352,296. PUBLISHED SEPTEMBER 25, 1934. Class 23.

319,838. COOKING AND TABLE SYRUP. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed June 6, 1934. Serial No. 352,308. PUBLISHED OCTOBER 2, 1934. Class 46.

319,839. GIN, WHISKEY, AND BRANDY. MAISON PICHEL, INC., New York, N. Y.
Filed August 15, 1934. Serial No. 355,030. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,840. GIN, WHISKEY, AND BRANDY. MAISON PICHEL, INC., New York, N. Y.
Filed August 15, 1934. Serial No. 355,029. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,841. GIN, WHISKEY, AND BRANDY. MAISON PICHEL, INC., New York, N. Y.
Filed August 15, 1934. Serial No. 355,028. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,842. INGREDIENT IN POWDER FORM USED IN THE BREWING OF BEER FOR THE PURPOSE OF CHILLPROOFING AND STABILIZING BEER. JOHN J. CRANE, doing business as Cravon Company, New York, N. Y.
Filed August 28, 1934. Serial No. 355,510. PUBLISHED OCTOBER 2, 1934. Class 48.

319,843. BASEBALL BATS. HILLERICH & BRADSBY CO., Louisville, Ky.
Filed August 27, 1934. Serial No. 355,473. PUBLISHED OCTOBER 2, 1934. Class 22.

319,844. WHISKEY. WESTERN DISTILLERS CORPORATION, Los Angeles, Calif.
Filed August 24, 1934. Serial No. 355,419. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,845. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 24, 1934. Serial No. 355,410. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,846. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 24, 1934. Serial No. 355,409. PUBLISHED SEPTEMBER 25, 1934. Class 49.

CARNEGIE LIBRARY OF ATLANTA

319,847. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE GEO. T. STAGG COMPANY, Frankfort, Ky.
Filed August 23, 1934. Serial No. 355,375. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,848. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 23, 1934. Serial No. 355,372. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,849. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 23, 1934. Serial No. 355,371. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,850. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 23, 1934. Serial No. 355,370. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,851. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 23, 1934. Serial No. 355,369. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,852. CORN WHISKEY. PHILIP BLUM & CO., INC., Chicago, Ill.
Filed August 23, 1934. Serial No. 355,347. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,853. CASKET CLOTH. A. D. JUILLIARD & COMPANY, INC., New York, N. Y.
Filed July 27, 1934. Serial No. 354,375. PUBLISHED SEPTEMBER 25, 1934. Class 42.

319,854. SAFETY RAZOR BLADES. LINCO BLADE CO., INC., Detroit, Mich.
Filed November 16, 1932. Serial No. 332,193. PUBLISHED SEPTEMBER 25, 1934. Class 23.

319,855. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE SAMUEL FREEDMAN CORPORATION, Cincinnati, Ohio.
Filed August 21, 1934. Serial No. 355,257. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,856. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed August 21, 1934. Serial No. 355,253. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,857. LUBRICATING OIL. PHILCO OIL CO., Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,231. PUBLISHED SEPTEMBER 25, 1934. Class 15.

319,858. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,182. PUBLISHED OCTOBER 2, 1934. Class 49.

319,859. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,180. PUBLISHED OCTOBER 2, 1934. Class 49.

319,860. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,179. PUBLISHED OCTOBER 2, 1934. Class 49.

319,861. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,178. PUBLISHED OCTOBER 2, 1934. Class 49.

319,862. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,176. PUBLISHED OCTOBER 2, 1934. Class 49.

319,863. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,175. PUBLISHED OCTOBER 2, 1934. Class 49.

319,864. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,169. PUBLISHED OCTOBER 2, 1934. Class 49.

319,865. RADIO DIALS. D. W. MAY CORPORATION, Newark, N. J.
Filed August 18, 1934. Serial No. 355,148. PUBLISHED SEPTEMBER 25, 1934. Class 21.

319,866. FABRICATION OF AGUARDIENTE (ALCOHOL DISTILLED FROM SUGAR CANE) AND WINE. MEXICAN AMERICAN HABANERO CORPORATION, New York, N. Y.
Filed August 18, 1934. Serial No. 355,151. PUBLISHED SEPTEMBER 25, 1934. Class 49.

319,867. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,167. PUBLISHED OCTOBER 2, 1934. Class 49.

319,868. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,168. PUBLISHED OCTOBER 2, 1934. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

319,869. (CLASS 48. MALT BEVERAGES AND LIQUORS.) KOLB BREWING COMPANY, Bay City, Mich.
Filed Sept. 8, 1934. Serial No. 355,841.

KOLB'S

BAVARIAN BREW

For Beer.
Claims use since 1890.

319,870. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) STANDARD CAP AND SEAL CORPORATION, Chicago, Ill. Filed Mar. 24, 1933. Serial No. 336,057.

Welded Wire

For Bottle Closures.
Claims use since Mar. 10, 1933.

319,871. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SPAULDING-GORHAM, INC., Chicago, Ill. Filed Aug. 22, 1933. Serial No. 340,931.



For Flat Silver—Namely, Knives, Forks, Spoons, and Carving Sets.
Claims use since Aug. 3, 1933.

319,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COFFEEPAK COMPANY, INC., New York, N. Y. Filed Oct. 17, 1933. Serial No. 342,580.

COFFEE-PAKS

For Coffee.
Claims use since June 29, 1933.

319,873. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SNIDER PACKING CORPORATION, Rochester, N. Y. Filed Oct. 21, 1933. Serial No. 342,770.

Fresh Kept

For Frozen Fruits and Frozen Vegetables.
Claims use since August, 1933.

319,874. (CLASS 47. WINES.) ETABLISSEMENTS LÉON RIGAULT, SOCIETE ANONYME, Beaune, France. Filed Nov. 7, 1933. Serial No. 343,325.

FORTOUL Jeune

For Wines of All Kinds.
Claims use since September, 1933.

319,875. (CLASS 47. WINES.) ETABLISSEMENTS LÉON RIGAULT, SOCIETE ANONYME, Beaune, France. Filed Nov. 7, 1933. Serial No. 343,326.

Henri POLACK

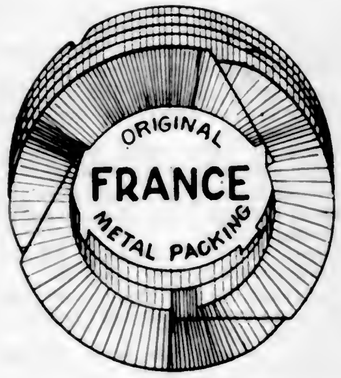
For Wines of All Kinds.
Claims use since September, 1933.

319,876. (CLASS 47. WINES.) ETABLISSEMENTS LÉON RIGAULT, SOCIETE ANONYME, Beaune, France. Filed Nov. 7, 1933. Serial No. 343,327.

Léon RIGAULT

For Wines of All Kinds.
Claims use since September, 1933.

319,877. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FRANCE PACKING COMPANY, Philadelphia, Pa. Filed Nov. 2, 1933. Serial No. 343,170.



For Metallic and Semi-Metallic Packings for Use on Engines and Compressors of All Kinds.
Claims use since Oct. 2, 1933.

319,878. (CLASS 47. WINES.) ETABLISSEMENTS LÉON RIGAULT, SOCIETE ANONYME, Beaune, France. Filed Nov. 7, 1933. Serial No. 343,328.

UNION BOURGUIGNONNE

For Wines of All Kinds.
Claims use since September, 1933.

319,879. (CLASS 47. WINES.) ETABLISSEMENTS LÉON RIGAULT, SOCIETE ANONYME, doing business as Union Vinicole Beaunoise, Beaune, France. Filed Nov. 7, 1933. Serial No. 343,329.

UNION VINICOLE BEAUNOISE

For Wines of All Kinds.
Claims use since September, 1933.

319,880. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) POLAN, KATZ & COMPANY, Baltimore, Md. Filed Jan. 4, 1934. Serial No. 345,635.

LOCKTITE

For Umbrellas with Detachable Handles.
Claims use since Oct. 15, 1933.

319,881. (CLASS 37. PAPER AND STATIONERY.) VELDOWN COMPANY, INC., New York, N. Y. Filed Oct. 25, 1934. Serial No. 357,515.

MARIE ASTOR

For Cleansing Tissues.
Claims use since April, 1933.

319,882. (CLASS 32. FURNITURE AND UPHOLSTERY.) CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Sept. 20, 1934. Serial No. 356,219.

CRAWFORD
SMOOTHOVER

For Slip Covers for Automobile Seats and Furniture.
Claims use since July 1, 1932.

319,883. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EDWARD E. LEE, Hollywood, Calif. Filed July 17, 1934. Serial No. 354,013.

PHOTOSTRIP

For Strip Photograph Machines and Cameras.
Claims use since Jan. 1, 1931.

319,884. (CLASS 48. MALT BEVERAGES AND LIQUORS.) KOLB BREWING COMPANY, Bay City, Mich. Filed Sept. 8, 1934. Serial No. 355,842.

Crystal Export

For Beer.
Claims use since 1890.

TRADE-MARK REGISTRATIONS RENEWED

11,863. MEDICINAL FLUID EXTRACTS FOR INTERNAL USE. Registered January 20, 1885. BURROUGHS, WELLCOME & Co., London, England. Re-renewed January 20, 1935, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

43,628. CERTAIN NAMED MEDICAL COMPOUNDS. Registered November 1, 1904. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Renewed November 1, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

43,656. SOPORIFICS. Registered November 8, 1904. KALLE & Co., Biebrich-on-the-Rhine, Germany. Renewed November 8, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

43,703. CURATIVE SERUM. Registered November 15, 1904. SERUM LABORATORIUM RUETE-ENOCH, Hamburg, Germany. Renewed November 15, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

43,705. DYES AND CHEMICAL PREPARATIONS FOR DYEING PURPOSES. Registered November 15, 1904. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Renewed November 15, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

43,811. PAINT AND VARNISH REMOVER. Registered December 6, 1904. THE ADAMS & ELTING CO., Chicago, Ill. Renewed December 6, 1934, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee.

43,988. CERTAIN NAMED MECHANICAL LEATHERS. Registered January 10, 1905. E. F. HOUGHTON & Co. Renewed January 10, 1935, to E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

44,056. MEDICINES FOR EXCITING THE MUSCLES. Registered January 24, 1905. SERAFINO BELFANTI, Milan, Italy. Renewed January 24, 1935.

44,184. PENCILS. Registered February 14, 1905. AMERICAN LEAD PENCIL COMPANY, New York, N. Y., a corporation of New York. Renewed February 14, 1935.

44,219. CHEMICALS USED IN PHOTOGRAPHIC PROCESSES. Registered February 21, 1905. HENRY S. WELLCOME, London, England. Renewed February 21, 1935, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

44,341. ENAMELS. Registered March 21, 1905. GERSTENDORFER BROS. Renewed March 21, 1935, to Sapolin Co. Inc., New York, N. Y., a corporation of New York, by change of name.

97,429. SOLID SOAP, LIQUID SOAP, AND POWDERED SOAP. Registered June 2, 1914. LINGNER-WERKE AKTIENGESELLSCHAFT, Dresden, Germany. Renewed June 2, 1934, to Lingner Corporation, Brooklyn, N. Y., a corporation of Delaware, assignee.

99,281. CERTAIN NAMED SCIENTIFIC APPLIANCES AND SUPPLIES THEREFOR. Registered August 25, 1914. COMPAGNIE GÉNÉRALE DES ÉTABLISSEMENTS PATHÉ FRÈRES, PHONOGRAPHE ET CINÉMATOGRAPHE. Renewed August 25, 1934, to Pathe-Cinema, Anciens Etablissements Pathe Freres, Paris, France, a corporation of France, by change of name.

99,897. DRY-CLEANING SOAP. Registered September 22, 1914. MONTGOMERIE, STOBO & Co., LTD., Glasgow, Scotland, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed September 22, 1934.

99,923. REMEDIES FOR CERTAIN NAMED DISEASES OF ANIMALS. Registered September 22, 1914. ALBERT A. WELLS. Renewed September 22, 1934, to W. B. Wilson, doing business as Wells Medicine Company, La Fayette, Ind., successor.

100,277. ARTIFICIAL TEETH AND TEETH-FACINGS. Registered October 20, 1914. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio, a corporation of Ohio. Renewed October 20, 1934.

100,284. CERTAIN NAMED POULTRY AND STOCK FEEDS. Registered October 20, 1914. CHAS. M. COX Co. Renewed October 20, 1934, to New England Grain Products Co., Boston, Mass., a corporation of Maine, assignee by mesne assignments.

100,302. CERTAIN PENCILS, RUBBER ERASERS, AND PENHOLDERS. Registered October 20, 1914. A. W. FABER, Stein near Nuremberg, Germany. Renewed October 20, 1934, to A. W. Faber, Inc., Newark, N. J., a corporation of New Jersey, assignee.

100,326. SHOES MADE OF CERTAIN MATERIALS AND COMBINATIONS OF SAME. Registered October 20, 1914. HECHT & Co. Renewed October 20, 1934, to Hecht & Co., Washington, D. C., a corporation of Maryland, successor.

100,366. SURGICAL SUTURES. Registered October 20, 1914. C. DE WITT LUKENS SURGICAL MANUFACTURING CO., St. Louis, Mo., a corporation of Missouri. Renewed October 20, 1934.

100,426. TOWELS, WASH-CLOTHS, BATH-MITTS, AND KNITTED QUILTS, SHEETS, AND BLANKETS. Registered October 20, 1914. SAN-KNIT-ARY TEXTILE MILLS INCORPORATED. Renewed October 20, 1934, to San-KNIT-ary Textile Mills, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

100,516. CERTAIN NAMED POULTRY FEEDS. Registered October 20, 1914. CHAS. M. COX CO. Renewed October 20, 1934, to New England Grain Products Co., Boston, Mass., a corporation of Maine, assignee by mesne assignments.

100,557. TRUNKS, SUITCASES, AND TRAVELING-BAGS. Registered October 20, 1914. THE KAMLEE COMPANY. Renewed October 20, 1934, to McKane-Lins Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

100,562. CERTAIN NAMED FUR GARMENTS. Registered October 20, 1914. KRUSKAL & KRUSKAL. Renewed October 20, 1934, to Kruskal & Kruskal, Inc., New York, N. Y., a corporation of New York, successor.

100,574. SMOKING-PIPES. Registered October 20, 1914. MAIER PIPE COMPANY, Wilmington, Del., a firm. Renewed October 20, 1934.

100,579. CANDY. Registered October 20, 1914. MASKEY'S, INC. Renewed October 20, 1934, to Anna Maskey, San Francisco, Calif., successor.

100,582. SALAD-DRESSINGS. Registered October 20, 1914. MAE ALICE MEIER, St. Louis, Mo. Renewed October 20, 1934, to Mae Alice Meier, Hillsboro, Mo.

100,601. FRESH APPLES. Registered October 20, 1914. OAKGLEN APPLE GROWERS' ASSOCIATION, Oakglen, Calif. Renewed October 20, 1934, to I. Ford, Redlands, Calif., successor.

100,647. SALTED PEANUTS. Registered October 20, 1914. SUPERIOR PEANUT COMPANY. Renewed October 20, 1934, to The Superior Peanut Company, Cleveland, Ohio, a corporation of Ohio, assignee.

100,729. MALT EXTRACT. Registered October 20, 1914. THE PETER SCHOENHOFEN BREWING COMPANY. Renewed October 20, 1934, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

100,741. ALUMINUM CASTINGS. Registered October 27, 1914. THE ALUMINUM CASTINGS COMPANY, Cleveland, Ohio. Renewed October 27, 1934, to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

100,829. VENTILATORS. Registered October 27, 1914. WILLIAM H. JARDINE, Philadelphia, Pa. Renewed October 27, 1934.

100,835. LADIES' SHIRT-WAISTS. Registered October 27, 1914. ISIDOR KAITZ, New York, N. Y. Renewed October 27, 1934.

100,877. REFRACTORY BRICKS OR BLOCKS. Registered October 27, 1914. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed October 27, 1934.

100,878. REFRACTORY BRICKS OR BLOCKS. Registered October 27, 1914. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed October 27, 1934.

100,947. BANDAGES. Registered November 3, 1914. EMIL BENDER, Kaiserslautern, Germany. Renewed November 3, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

100,962. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered November 3, 1914. DIE ALTSTÄDTISCHE OPTISCHE INDUSTRIE-ANSTALT NITSCHE & GÜNTHER, Rahtenow, Germany. Renewed November 3, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

100,963. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered November 3, 1914. DIE ALTSTÄDTISCHE OPTISCHE INDUSTRIE-ANSTALT NITSCHE & GÜNTHER, Rathenow, Germany. Renewed November 3, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

100,983. PREPARATONS FOR THE TREATMENT OF SYPHILIS, LUPUS, SCROFULA, AND CUTANEOUS DISEASES. Registered November 3, 1914. KALLE & CO., AKTIENGESELLSCHAFT, Biebrich-on-the-Rhine, Germany. Renewed November 3, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

100,987. CAMERAS. Registered November 3, 1914. LEVY-ROTH G. M. B. H., Berlin, Germany. Renewed November 3, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

100,998. HEAT-REFRACTORY PLATES, TUBES, MUFFLES, CRUCIBLES, AND DISHES ADAPTED FOR USE IN LABORATORIES. Registered November 3, 1914. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed November 3, 1934.

100,999. HEAT-REFRACTORY PLATES, TUBES, MUFFLES, CRUCIBLES, AND DISHES ADAPTED FOR USE IN LABORATORIES. Registered November 3, 1914. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed November 3, 1934.

101,014. OIL-COLORS IN TUBES AND WATER-COLORS. Registered November 3, 1914. H. SCHMINCKE & CO., Düsseldorf-Grafenberg, Germany. Renewed November 3, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

101,017. SUCTION-SWEEPERS. Registered November 3, 1914. SPIEGEL, MAY, STERN COMPANY. Renewed November 3, 1934, to Spiegel, May, Stern Company, Inc., Chicago, Ill., a corporation of Delaware, successor.

101,034. CERTAIN MEDICINAL PREPARATIONS FOR INTERNAL AND EXTERNAL USE. Registered November 10, 1914. PAUL WILHELM CAMPHAUSEN, Steglitz, near Berlin, Germany. Renewed November 10, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

101,161. A REMEDY FOR DIABETES, FURUNCULOSIS, GOUT, SKIN AFFECTIONS, LEUCORRHEA, AND CONSTIPATION. Registered November 17, 1914. HEFEFABRIK EMMERTHAL, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Emmerthal, near Hameln, Germany. Renewed November 19, 1934, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

101,244. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered November 17, 1914. Yozo Co. Renewed November 17, 1934, to Chattanooga Drug & Chemical Company, Chattanooga, Tenn., a corporation of Tennessee, by change of name.

101,367. GRASS, FIELD, AND AGRICULTURAL SEEDS. Registered December 8, 1914. E. W. CONKLIN & SON, INC., Binghamton, N. Y. Renewed December 8, 1934, to George H. Beans, Jenkintown, Pa., assignee by mesne assignments.

101,408. FILES AND RASPS. Registered December 8, 1914. NICHOLSON FILE COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed December 8, 1934.

101,430. LUBRICATING-OILS, LUBRICATING-GREASES, REFINED OIL, AND GASOLENE. Registered December 8, 1914. STANDARD OIL COMPANY, Richmond, Calif. Renewed December 8, 1934, to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

101,446. SILVER-POLISH IN CAKE OR POWDER FORM. Registered December 15, 1914. GORHAM MANUFACTURING CO., Providence, R. I. Renewed December 15, 1934, to Gorham Manufacturing Company, Elmwood, R. I., a corporation of Rhode Island.

101,467. RUBBER BELTING, RUBBER-FABRIC AND METALLIC HOSE, RUBBER, ASBESTOS, AND METALLIC PACKING. Registered December 15, 1914. H. W. JOHNS-MANVILLE CO. Renewed December 15, 1934, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

101,492. MELISSA WATER. Registered December 15, 1914. RENOUARD-LARIVIÈRE & CIE. Renewed December 15, 1934, to Renouard Lariviere & Cie, Paris, France, a firm, successor.

101,498. SELF-RISING WHEAT-FLOUR. Registered December 22, 1914. AMENDT MILLING CO., Monroe, Ida, and Petersburg, Mich., and Delta, Ohio. Renewed December 22, 1934, to Amendt Milling Company, Inc., Monroe, Mich., a corporation of Michigan, assignee.

101,548. A FOLDING CRIB FOR CHILDREN. Registered December 22, 1914. EDWARD MAURICE TRIMBLE. Renewed December 22, 1934, to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

101,581. CERTAIN NAMED ELECTRICAL APPARATUS AND SUPPLIES. Registered December 29, 1914. H. W. JOHNS-MANVILLE CO. Renewed December 29, 1934, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

101,614. RUBBER ERASERS. Registered January 5, 1915. AMERICAN LEAD PENCIL COMPANY, New York, N. Y., a corporation of New York. Renewed January 5, 1935.

101,703. CANDIES, CHOCOLATES, JELLIES, MARMALADES, PRESERVES, CAKES, PIES, FROSTINGS, AND SIMILAR AND COGNATE ARTICLES. Registered January 5, 1915. MARY ELIZABETH'S. Renewed January 5, 1935, to Mary Elizabeth's, Ltd., New York, N. Y., a corporation of New York, assignee.

101,882. AN ASPHALTUM PRODUCT OF CRUDE OIL ADAPTED FOR CERTAIN NAMED PURPOSES. Registered January 12, 1915. STANDARD OIL COMPANY, Richmond, Calif. Renewed January 12, 1935, to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

102,030. CANNED SARDINES. Registered January 26, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed January 26, 1935.

102,315. CERTAIN NAMED FOODS. Registered February 2, 1915. THE SPERRY & BARNES CO. Renewed February 2, 1935, to The Sperry & Barnes Co., New Haven, Conn., a corporation of Connecticut, assignee.

102,360. CANNED SARDINES. Registered February 9, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed February 9, 1935.

102,376. SPARKLING WINES. Registered February 9, 1915. COMPAGNIE GENERALE DES VINS MOUSSEUX DE SAUMUR, MAISON ACKERMAN-LAURANCE, St. Hilaire-St. Florent, France. Renewed February 9, 1935, to Maison Ackerman-Laurance Societe Anonyme, St. Hilaire-St. Florent, (Maine & Loire), France, a corporation of France, by change of name.

102,402. RUBBER PACKING FOR MACHINERY. Registered February 9, 1915. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed February 9, 1935.

102,448. FERTILIZERS. Registered February 9, 1915. F. S. ROYSTER GUANO CO., Norfolk, Va., a corporation of Virginia. Renewed February 9, 1935.

102,862. SOAP. Registered February 23, 1915. B. J. JOHNSON SOAP COMPANY, Milwaukee, Wis. Renewed February 23, 1935, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

102,983. NUTRITIVE TONICS. Registered March 9, 1915. RIKER & HEGEMAN CO., New York, N. Y. Renewed March 9, 1935, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

102,984. PREPARATIONS FOR THE FEET. Registered March 9, 1915. RIKER & HEGEMAN CO., New York, N. Y. Renewed March 9, 1935, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

102,990. FERRIC SULFATE. Registered March 9, 1915. THE WESTMORELAND CHEMICAL AND COLOR COMPANY. Renewed March 9, 1935, to Edward G. Costello, Philadelphia, Pa., assignee.

102,991. FERRIC SULFATE. Registered March 9, 1915. THE WESTMORELAND CHEMICAL AND COLOR COMPANY. Renewed March 9, 1935, to Edward G. Costello, Philadelphia, Pa., assignee.

103,059. CERTAIN NAMED HARDWARE SUPPLIES. Registered March 16, 1915. GEUDER, PAESCHKE & FREY CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed March 16, 1935.

103,084. CANNED SARDINES. Registered March 16, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,085. CANNED SARDINES. Registered March 16, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,086. CANNED SARDINES. Registered March 16, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,087. CANNED HERRINGS IN TOMATO SAUCE. Registered March 16, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,088. CANNED SARDINES. Registered March 16, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,233. METALLIC PENS, FILE-SIGNALS, INDEX-TABS, PAPER-CLIPS, AND ENVELOPS. Registered March 23, 1915. GEORGE B. GRAFF COMPANY, Boston, Mass. Renewed March 23, 1935, to George B. Graff Company, Cambridge, Mass., a corporation of Massachusetts, assignee.

103,242. ABSORBENT COTTON, ABSORBENT GAUZE, BANDAGES, BANDAGE-ROLLS, AND SURGICAL WADDING. Registered March 23, 1915. LEWIS MANUFACTURING COMPANY, Walpole, Mass. Renewed March 23, 1935, to The Kendall Company, Boston, Mass., a corporation of Massachusetts, assignee.

103,307. ENAMEL. Registered March 30, 1915. THE A. WILHELM COMPANY, Reading, Pa. Renewed March 30, 1935, to The A. Wilhelm Company, Cleveland, Ohio, a corporation of Pennsylvania.

103,308. READY-MIXED PAINTS, INCLUDING BRILLIANT GOLD PAINT AND BRILLIANT ALUMINUM PAINT. Registered March 30, 1915. THE A. WILHELM COMPANY, Reading, Pa. Renewed March 30, 1935, to The A. Wilhelm Company, Cleveland, Ohio, a corporation of Pennsylvania.

103,417. RUGÆ-MOLDS. Registered April 6, 1915. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio, a corporation of Ohio. Renewed April 6, 1935.

103,438. PIECE GOODS OF SILK, COTTON, LINEN, WOOLEN, AND MIXTURES THEREOF. Registered April 6, 1915. MANVILLE COMPANY, Providence, R. I. Renewed April 6, 1935, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware, assignee by mesne assignments.

103,614. CERTAIN NAMED TEXTILE FABRICS. Registered April 6, 1915. THE ESMOND MILLS, Esmond, R. I. Renewed April 6, 1935, to The Esmond Mills, New York, N. Y., a corporation of Massachusetts.

103,675. WRITING AND PRINTING PAPER. Registered April 13, 1915. PARSONS PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed April 13, 1935.

103,679. TYPE-WRITING MACHINES AND PARTS THEREOF. Registered April 13, 1915. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed April 13, 1935.

103,680. CUT BELT-LACING. Registered April 13, 1915. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed April 13, 1935.

103,696. SALAD-DRESSING, CHILLI SAUCE, MUSTARD, TOMATO-CATSUP, MINT, TABASCO, TARTAR, AND WORCESTERSHIRE SAUCE. Registered April 13, 1915. THE HORTON CATO MFG. CO., Detroit, Mich. Renewed April 13, 1935, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

103,720. GLOVES. Registered April 13, 1915. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Renewed April 13, 1935.

103,721. GLOVES. Registered April 13, 1915. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Renewed April 13, 1935.

103,722. GLOVES. Registered April 13, 1915. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Renewed April 13, 1935.

103,730. BISCUIT. Registered April 13, 1915. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed April 13, 1935, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

103,745. CANNED SARDINES. Registered April 13, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed April 13, 1935.

103,746. CANNED SARDINES. Registered April 13, 1915. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed April 13, 1935.

103,773. A MUSTARD RELISH. Registered April 13 1915. THE WIDLAR CO., Cleveland, Ohio. Renewed April 13, 1935, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, successor.

103,790. CERTAIN NAMED MEDICAL AND SURGICAL APPLIANCES. Registered April 13, 1915. NYAL COMPANY, Detroit, Mich., a corporation of Michigan. Renewed April 13, 1935.

103,818. FLAVORING EXTRACTS FOR FOODS. Registered April 13, 1915. H. KOHNSTAMM & CO. Renewed April 13, 1935, to H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York, assignee.

103,855. CARTONS, BOXES, AND PAPER BAGS. Registered April 20, 1915. ANNA JARVIS, Philadelphia, Pa. Renewed April 20, 1935.

103,856. FLAVORING EXTRACTS FOR FOODS. Registered April 20, 1915. H. KOHNSTAMM & CO. Renewed April 20, 1935, to H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York, assignee.

LABELS

REGISTERED DECEMBER 4, 1934

44,701.—*Title:* BILZ-EM BUILDS ANYTHING. For Toys, More Particularly Sets from Which Different Toys May Be Built. BILZ-EM TOYS, INC., Port Huron, Mich. Published August 20, 1934.

44,702.—*Title:* OLD GERMAN. For Beer. THE GERMAN BREWING CO., Cumberland, Md. Published October 3, 1934.

44,703.—*Title:* HI-ARCH. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 13, 1934.

44,704.—*Title:* WILBY'S. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 19, 1934.

44,705.—*Title:* ARCH BUILT. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 14, 1934.

44,706.—*Title:* OUTDOOR GIRL. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 7, 1934.

44,707.—*Title:* MARCHIONESS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 11, 1934.

44,708.—*Title:* CLYDE'S. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 4, 1934.

44,709.—*Title:* FRASER'S COMF-AID. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 11, 1934.

44,710.—*Title:* SANI-FLUSH. For Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published August 15, 1934.

44,711.—*Title:* PARKLAND. For Embossed Tissue. IRWIN PAPER CO., Quincy, Ill. Published June 6, 1934.

44,712.—*Title:* THREE STAR. For Oranges. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Published August 7, 1934.

44,713.—*Title:* NU-ART AGAVE AND KRAFT FIBRE PRODUCTS. For Fibre Products. NU-ART FIBRE PRODUCTS COMPANY BRANCH OF AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Published December 17, 1932.

44,714.—*Title:* PETER PAN. For Sliced Bread. P. F. PETERSEN BAKING CO., Omaha, Nebr. Published August 13, 1934.

44,715.—*Title:* OCCIDENT BISCUIT MIX. For Prepared Flour. RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Published September 28, 1934.

44,716.—*Title:* SESAME BREAD. For Bread. VITAB PRODUCTS, INC., New York, N. Y. Published September 29, 1934.

PRINTS

REGISTERED DECEMBER 4, 1934

14,929.—*Title:* THE HOUSE OF BOND. For Wines and Liquors. W. G. BOND, INC., Baltimore, Md. Published March 15, 1934.

14,930.—*Title:* CARLOAD SALE. For Soap. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Published September 4, 1934.

14,931.—*Title:* CRUISING ACCELERATOR. For Cruising Accelerators. ROGER A. COOK, San Antonio, Tex. Published October 11, 1934.

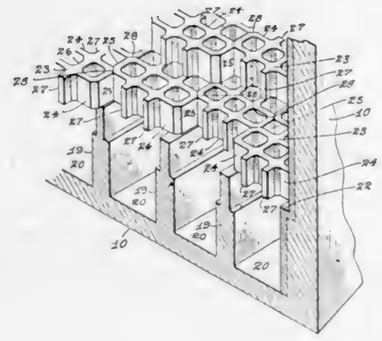
14,932.—*Title:* EVERY DAY HE BURNS UP AS MUCH ENERGY AS A FOOTBALL PLAYER! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 5, 1934.

14,933.—*Title:* HOWARD'S PRESTCOAL. For Coal, Coke, Fuel Oil and Concentrated Anthracite Hard-Pressed Into Convenient Stove Size Nuggets. HOWARD COAL & COKE CO. INC., Brooklyn, N. Y. Published August 12, 1934.

REISSUES

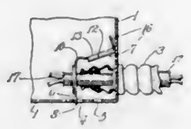
DECEMBER 4, 1934

19,388
CHECKERWORK
Alvin A. Claassen, Chicago, Ill.
Original No. 1,848,242, dated March 8, 1932, Serial No. 504,696, December 26, 1930. Application for reissue March 6, 1934, Serial No. 714,352
14 Claims. (Cl. 263—19)



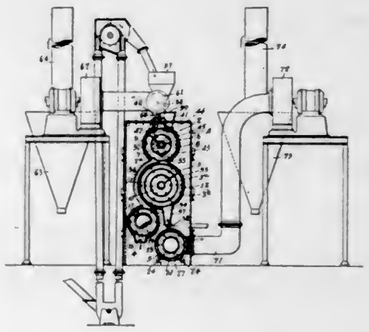
1. A tile for checkerwork composed of a rectangular refractory body having a plurality of vertical cored cells in its length and a lateral fin projecting from each side wall of the body enclosing the cells in alignment with the body portion separating the cells, the combined length of the opposite fins on the tile being substantially equal to the distance across one of said cells.

19,389
CONDUIT CLAMP FOR CONNECTING BOXES
William Goetzelman, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Original No. 1,914,635, dated June 20, 1933, Serial No. 541,326, June 1, 1931. Application for reissue August 23, 1934, Serial No. 741,099
13 Claims. (Cl. 247—25)



1. A clamping member for securing a conduit or the like to a box through a wall of which it enters, comprising two wings arranged at an obtuse angle to each other, short narrow bendable elements extending between and connecting said wings together at the angle of said member and holding the adjacent edges of the wings apart from each other, one of the wings having therein at least one opening to permit conductors to be passed through the same, and the other wing having an opening to receive a bolt or the like.

19,390
METHOD AND APPARATUS FOR ROASTING COFFEE
Leland S. Maede, Brooklyn, N. Y.
Original No. 1,915,372, dated June 27, 1933, Serial No. 307,867, September 24, 1928. Application for reissue September 17, 1934, Serial No. 744,451
10 Claims. (Cl. 34—5)



1. A method of roasting coffee, which consists in subjecting the coffee to a roasting action by direct contact with hot gases of combustion, discontinuing the application of the hot gases of combustion at a point when the coffee bean becomes absorptive, and then completing the roasting by exposing the coffee to the action of radiant heat.

3. In apparatus for roasting products such as coffee, the combination of means for subjecting the coffee to direct contact with hot gases of combustion until the coffee becomes absorptive, and

means for subjecting the coffee thereafter to the action of radiant heat only, to complete the roasting thereof.

19,391
CEILING CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa.
Original No. 1,816,450, dated July 28, 1931, Serial No. 453,141, May 17, 1930. Application for reissue March 22, 1933, Serial No. 662,031
17 Claims. (Cl. 72—118)

12. A ceiling construction comprising a completed floor, a support below said floor, a plurality of abutting units below said support, and means, carried by each of said units and operable



from below said floor, connecting said units to said support.

PLANT PATENTS

GRANTED DECEMBER 4, 1934

114
ROSE
Walter Easlea, Leigh-on-Sea, England, assignor to Charles H. Totty, Madison, N. J.
Application July 2, 1934, Serial No. 733,527
1 Claim. (Cl. 47—61)

The variety of climbing rose herein shown and described, characterized particularly by its vigorous growth and heavy production of yellow toned, full petaled, fragrant blossoms as described, and by the reddish or coppery colored new growth of leaves and stems.

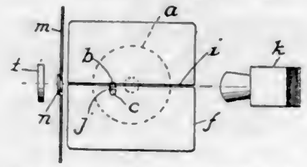
PATENTS

GRANTED DECEMBER 4, 1934

1,982,619
MANUFACTURE OF WATER SOLUBLE CONDENSATION PRODUCTS OF PHENOL-UREA-FORMALDEHYDE
Fritz Becherer, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application March 3, 1932, Serial No. 596,676. In Germany March 16, 1931
5 Claims. (Cl. 260—4)

1. A process for the manufacture of water soluble condensation products from insoluble phenol-formaldehyde-urea resins, serving as tanning agents, wool reserving agents, mordants or the like, consisting in heating said insoluble phenol-formaldehyde-urea resins with a phenol so as to dissolve them therein, with a concomitant partial condensation thereof with said phenol, and subjecting then the liquid thus obtained to the action of a sulphonating agent.

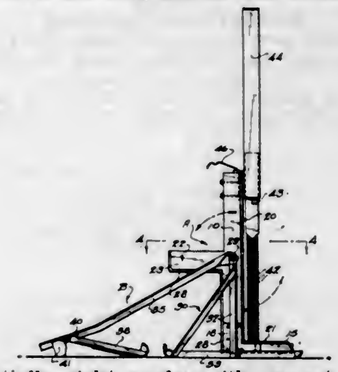
1,982,620
APPARATUS FOR DETERMINING CRITICAL TEMPERATURES
Gellert Alleman, Wallingford, and Augustine Francis Stephen Musante, Media, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application May 13, 1932, Serial No. 611,024
9 Claims. (Cl. 73—51)



9. A critical temperature determination apparatus comprising a block adapted, when heated to the required temperature, to radiate heat without radiating a substantial amount of light and provided with wells, a tube, adapted to contain the material whose critical temperature is to be determined, inserted in one of said wells, a thermometer inserted in and projecting above another of said wells, the block being provided with a slit intersecting the first named well for passage of light through the block, a glass tube housing the projecting portion of the thermometer, heat insulating bricks forming a shield for the block, means to heat the block, a lamp provided with a focusing condensing lens adapted to transmit light through said slit, a metal shield opposite the lamp and provided with a transparent area in line with the slits, and means outside said shield to receive the light rays passing through said slit and transmit them to the eyes of the operator.

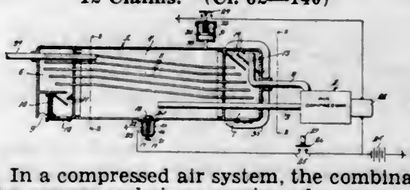
1,982,621
APPARATUS FOR USE IN THE PACKING OF GLASS SHEETS
Andrew Angelo, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 31, 1932, Serial No. 631,264
7 Claims. (Cl. 214—1)

2. In a packing bench for use in the packing of glass sheets or other flat sheets or plates, a frame including a substantially rectangular body portion, means for mounting said body portion intermediate the ends thereof to rotate about a substantially horizontal axis, means carried at one end of the body portion and extending at substantially right angles with respect thereto for supporting glass sheets to be packed thereupon, and means also carried by said body portion intermediate the ends thereof and extending at



substantially right angles with respect thereto for also supporting glass sheets to be packed thereupon, said first and second mentioned supporting means extending in opposite directions and adapted to be disposed in a substantially horizontal position when the body portion is arranged in a substantially vertical position, and a table for receiving the packed sheets from either of said supporting means upon revolving of said frame.

1,982,622
FLUID PRESSURE SYSTEM
Edward W. Anger, Chicago, Ill.
Application January 2, 1932, Serial No. 584,417
12 Claims. (Cl. 62—140)

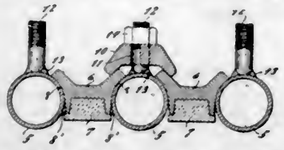


1. In a compressed air system, the combination with a compressed air reservoir and a compressor, of means extending through said reservoir providing a comparatively large heat conducting surface, said means arranged to allow the passage of air therethrough for condensing moisture on said surface and to direct air to the intake of said compressor, and means for intermittently draining the moisture from said reservoir.

1,982,623
FURNACE WALL
Ervin G. Bailey, Easton, Pa., assignor to Fuller Lehigh Company, Fullerton, Pa., a corporation of Delaware
Application June 9, 1927, Serial No. 197,619
Renewed July 22, 1933
16 Claims. (Cl. 122—6)

1. A furnace wall comprising tubes, wedge-shaped tile extending between said tubes with the

wedges pointing toward the furnace side, diverging flanges along the outer edges of said tile, and clamps for said tile, said clamps being attached to



said tubes and having portions diverging at approximately the same angle as said flanges and overlapping said flanges.

1,982,624

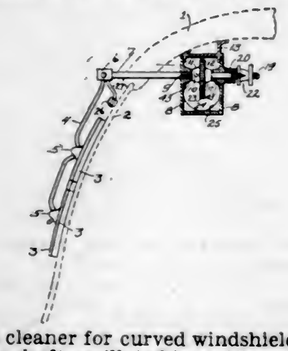
WINDSHIELD CLEANER

George A. Barker, Rochester, N. Y.

Application June 29, 1932, Serial No. 620,048

11 Claims. (Cl. 15—255)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a cleaner for curved windshields, a motor, a slidable shaft oscillated by said motor, a wiper blade carried by said shaft, and means for imparting a longitudinal reciprocatory motion to said wiper blade simultaneous with said oscillatory motion, said means including a cooperative cam and follower, one of which is stationary and the other carried by and movable with said shaft, the came so shaped as to produce the reciprocatory movement of said blade in accord with the curvature of said windshield.

1,982,625

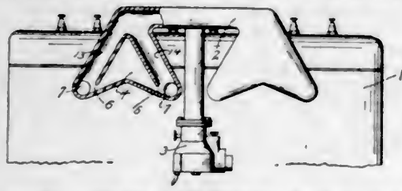
DUAL MANIFOLD CONSTRUCTION

George A. Barker, Rochester, N. Y.

Original application April 5, 1932, Serial No. 603,423. Divided and this application December 7, 1932, Serial No. 646,107

7 Claims. (Cl. 123—52)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an internal combustion engine provided with a carbureter and a fuel intake port for a cylinder, the combination of an intake manifold having branches for conveying the fuel gas from said carbureter to a plurality of said intake ports; and a chamber bridging and restrictively communicating with the extremities of the branches of said manifold to receive a quantity of the conveyed fuel gas.

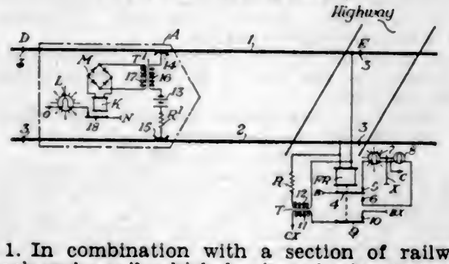
1,982,626

APPARATUS FOR CONTROLLING TRACKWAY DEVICES FROM A RAIL VEHICLE

George W. Baughman, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 9, 1933, Serial No. 650,800

5 Claims. (Cl. 246—59)



1. In combination with a section of railway track and a rail vehicle having wheels which are incapable of shunting the track, a vehicle carried source of current, means for applying a potential from said vehicle source across the two rails of said track, a wayside traffic controlling device connected across said two rails and energized by current from said vehicle source, a wayside source of current of such character as to be incapable of operating said traffic controlling device, means controlled by said device when the device is in its energized condition for applying a potential from said wayside source across said two rails, and an indicator on said vehicle responsive to the potential from said wayside source for indicating the condition of said traffic controlling device.

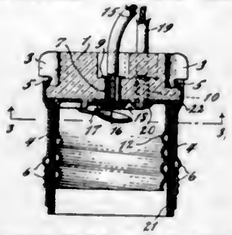
1,982,627

ELECTRIC LIGHT SOCKET

David Baum, Brooklyn, N. Y., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a corporation of New York

Application January 7, 1928, Serial No. 245,086

2 Claims. (Cl. 173—358)



2. In an electric light socket, an insulating base having notches with circumferentially extending end walls therein and also having a projecting annular rim at its end, a screw shell attached to said base, an insulating sleeve around said shell having an enlarged end, and a metal shell around said sleeve with portions extending into said notches and with an enlarged portion to accommodate said enlarged end of said sleeve and keep said sleeve in place.

1,982,628

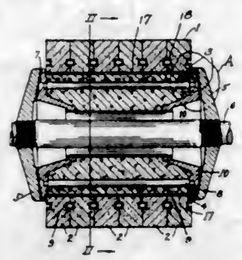
ABRASIVE WHEEL

Raymond C. Benner and Howard E. Stowell, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania

Application February 27, 1931, Serial No. 518,733

7 Claims. (Cl. 51—207)

1. An abrasive wheel comprising a central portion containing granular rutile, granular crystalline alumina and glass, an abrasive portion surrounding said central portion and a vulcanized rubber compound joining said central and outer



portions, said central portion having substantially the same coefficient of expansion as the driving shaft.

1,982,629

EXTENSION HANDLE

John L. Bennett, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a corporation of Illinois

Application April 14, 1932, Serial No. 605,215

6 Claims. (Cl. 43—137)



1. An extension handle construction, including a main handle part in the form of a double tube provided with a dividing member, said double tube and dividing member forming a reinforced construction, said double tube having a stop formed near the end of each tube, an extension handle member provided with two parts slidably mounted in said double tube, each of said parts having a shoulder struck up so as to frictionally engage the walls of said double tube during movement and so as to snap into engagement with said stop so as to positively prevent and limit the extension movement of the two parts relative to each other.

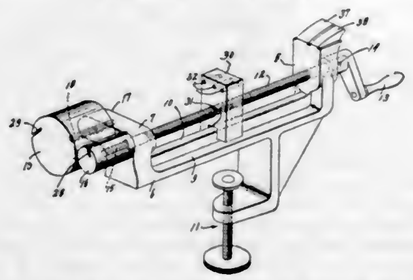
1,982,630

METHOD OF WIRE BINDING

Jesse A. Bent, Los Angeles, Calif., assignor of one-third to S. Q. Shannon and one-third to Lolita M. Hinds

Application June 5, 1933, Serial No. 674,333

10 Claims. (Cl. 140—93)



1. A method for wire binding an object including the following steps; forming an elongated wire staple, coiling the wire staple, placing an object to be bound within the coils of the staple, tensioning the staple, and rolling the encircled object back and forth along the tensioned strands of the staple.

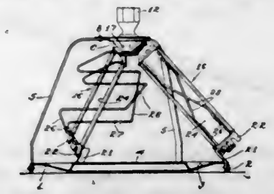
1,982,631

TOASTER

Hosmer L. Blum, San Francisco, Calif.

Application April 20, 1932, Serial No. 606,388

12 Claims. (Cl. 53—5)



1. A toaster comprising a perforated base, a top member supported on the base, a plurality of longitudinally slotted members pivotally mounted at their ends on the top and base respectively, racks carried by the slotted members respectively, each rack extending upon opposite sides of the slotted member carrying it and adapted to receive and support the material to be toasted that is inserted in the slotted member, and means to rotate the slotted members simultaneously whereby to rotate the material to be toasted on the axis thereof.

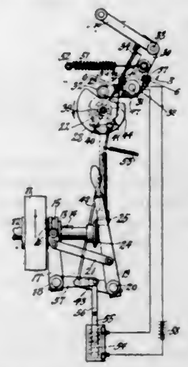
1,982,632

AUTOMATIC STOP MECHANISM

August Bodenschatz, Philadelphia, Pa., assignor, by direct and mesne assignments, of sixty one-hundredths to Eric M. de Sherbinin, Philadelphia, Pa., twenty one-hundredths to Harold Brock Walker, Toronto, Ontario, Canada, and twenty one-hundredths to George Kroupsky, Buffalo, N. Y.

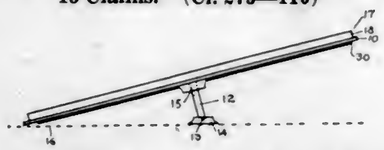
Application December 18, 1933, Serial No. 702,896

8 Claims. (Cl. 192—150)



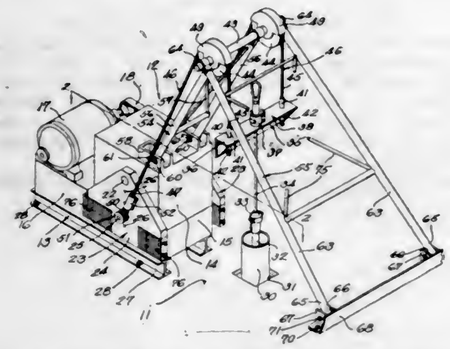
1. An automatic stop mechanism for disconnecting a normally movable working member from a power source when the movement of said member is interrupted, comprising a rotatable cam, driving means for transmitting motion from said power source to said working member and cam including a clutch for connecting and disconnecting said power source from said driving means, a rock lever having two arms which are adapted to be folded and unfolded relatively to each other and one of which is acted on by said cam and the other being operatively connected with said working member, a spring means for normally holding said arms in a relatively unfolded position, and trip means actuated by the folding action of said arms for uncoupling said clutch when the movement of said working member is arrested.

1,982,633
GAME
Paul D. Brown, Garden City, N. Y.
Application March 15, 1932, Serial No. 598,896
13 Claims. (Cl. 273—110)



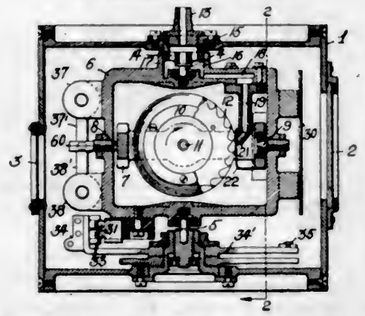
1. A game board of the character described comprising a disc having a generally spiral track thereon with deflectors therein and means for maintaining the disc in an inclined position whereby the same may be wabbled to cause devices simulating horses to traverse said spiral path, said track being adapted to allow the devices to simultaneously travel therein and change their relative positions with respect to one another.

1,982,634
PUMPING UNIT
Dave L. Caldwell, La Canada, Calif.
Application July 24, 1933, Serial No. 681,995
11 Claims. (Cl. 74—44)



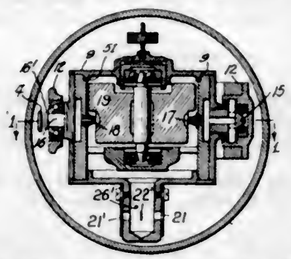
1. A pumping unit of the character described, adapted for mounting on the supporting structure of a well rig, including: a power unit carried by said supporting structure, said power unit having a horizontal crank shaft; cranks on the ends of said crank shaft; an idler shaft disposed in a plane above and to the side of said crank shaft and being substantially parallel thereto; sheaves on said idler shaft operatively aligned with said cranks; a cable running over each of said sheaves, each of said cables having one end thereof attached to one of said cranks and the other end thereof hanging vertically from its sheave; a traveling cross beam secured to said hanging ends of said cables; means intermediate the ends of said cross beam for connecting the same to a working string operative within a well; and means for supporting said idler shaft in operative position, said supporting means comprising a primary leg member having one end thereof secured to said power unit at a point above said crank shaft and sloping upwardly therefrom into supporting engagement with said idler shaft at points between said sheaves on said idler shaft, and a secondary leg member connected to the end portions of said idler shaft outside said sheaves and sloping downwardly from said idler shaft through a plane crossing the plane of said primary leg member into engagement with said supporting structure.

1,982,635
AIR DRIVEN GYROSCOPE
Bert G. Carlson, Elmhurst, N. Y., and Herbert H. Thompson, Mountain Lakes, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 28, 1931, Serial No. 511,800
8 Claims. (Cl. 74—5)



7. A centralizing device for the gyro rotor of a free gyroscope having a rotor bearing frame and a pivotal support therefor comprising a plurality of air jets for spinning the rotor spaced axially at the periphery of the rotor and to each side of the center line of support of the rotor bearing frame, blades on said rotor, and means other than the rotor blades for intercepting the air stream from one of said jets upon inclination of the rotor bearing frame to exert a torque around an axis of the gyroscope perpendicular to said axis of inclination.

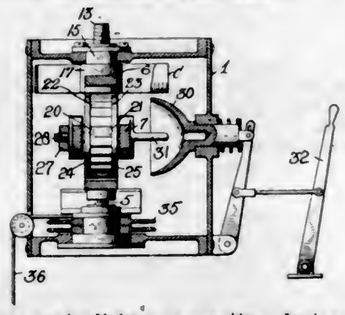
1,982,636
AIR DRIVEN GYRO VERTICAL
Bert G. Carlson, Elmhurst, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1931, Serial No. 514,737
8 Claims. (Cl. 74—5)



8. In a gyro vertical for aircraft, a gyroscope including a gyro casing, means for universally supporting the same on horizontal axes in substantially neutral equilibrium and a rotor in said casing having a normally vertical spinning axis, an air port for spinning the rotor thereof, vertically extending, oppositely directed narrow slots in the gyro casing adapted to discharge air streams in the general direction of said supporting axes and through which the spinning air normally escapes, a pendulous shutter pivoted outside of each slot and means oppositely connecting said shutters in pairs whereby each shutter is adapted to close the adjacent slot on relative tilting of said shutter and casing in one direction only, the opposite shutter being adapted to close the opposite slot on relative tilting in the opposite direction, whereby, upon such tilting taking place, at least one of said slots will be closed more than the opposite slot causing a

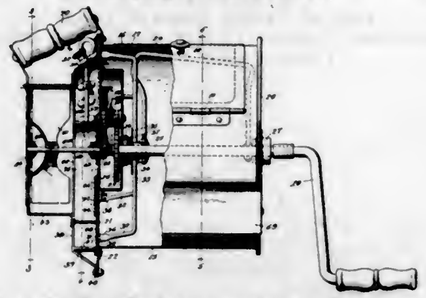
torque on the casing at right angles to the direction of tilt and in a direction to directly restore the rotor axis to the vertical.

1,982,637
DIRECTIONAL GYROSCOPE
Bert G. Carlson, Elmhurst, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 29, 1931, Serial No. 533,648
10 Claims. (Cl. 74—5)



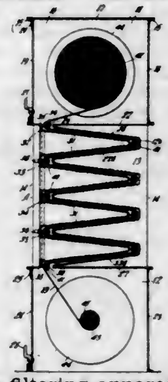
9. In a centralizing or erecting device for the gyro rotors of gyroscopes having three degrees of freedom, the combination with the rotor, and means for mounting it for freedom about precession axes perpendicular to the rotor axis, of means for spinning said rotor and erecting the rotor including at least one air jet mounted on said mounting means to partake of the turning of the gyroscope about one but not the other of said precession axes, and means on said rotor for receiving a lateral thrust from the air stream from said jet upon inclination of said rotor with respect to said jet.

1,982,638
HAND BLOWER DUST GUN
John A. Chater, Medina, Joseph B. Cary, Buffalo, and Jacob E. Hollinger, Middleport, N. Y., assignors to Niagara Sprayer and Chemical Co. Inc., Middleport, N. Y., a corporation
Application June 24, 1932, Serial No. 619,082
8 Claims. (Cl. 43—148)



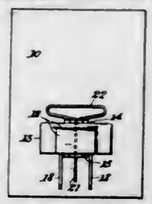
1. A dusting device comprising a hopper compartment, a fan compartment arranged at the side thereof, the fan compartment being provided with an inlet opening in a plane above the lower portion of the hopper compartment, means for effecting delivery of material from the hopper compartment adjacent the lower portion thereof, and means for directing a current of air past the point of delivery of the material from the hopper to effect the entrainment of the material in the air for the elevation of the delivered powder into the fan compartment and the discharge of the material therefrom.

1,982,639
AIR FILTER
Charles Christofferson, Duluth, Minn., assignor to Universal Air Filter Corporation, Duluth Minn., a corporation of Minnesota
Application June 14, 1933, Serial No. 675,685
6 Claims. (Cl. 183—62)



4. In an air filtering apparatus, the combination with a casing having end compartments and an intermediate chamber open both front and back for the passage of air therethrough, said end compartments being separated from the chamber by partitions; of a guideway in said chamber communicating at its ends with said compartments through openings in said partitions, said guideway being defined and constituted by front and back screen sections, one of said sections being displaceable and the other permanently fixed; an air filter medium extending through said guideway; and means for advancing the filter medium through the guideway.

1,982,640
CARD PACKAGE
Lancaster P. Clark, Fairfield, Conn., assignor to Bradley L. Coley, New York, N. Y.
Application June 14, 1933, Serial No. 675,720
2 Claims. (Cl. 206—79)

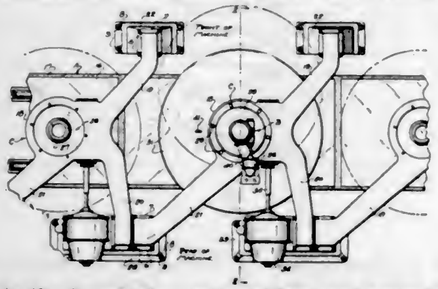


1. A package comprising a perforate card having tabs formed integral with opposite margins of its perforate area and extending from the face of the card, a fitting projecting thru the perforate area of the card and positioned between said tabs, whereby the fitting is supported, and a pin extending thru said tabs whereby the fitting is retained in supported position.

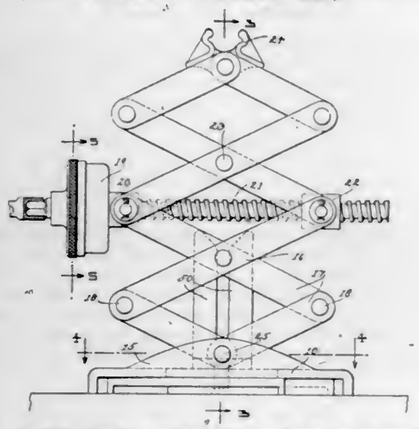
1,982,641
SUPPORTING MEANS FOR GLASS SURFACING APPARATUS
Joseph P. Crowley, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 11, 1929, Serial No. 346,094
6 Claims. (Cl. 51—110)

1. In combination in surfacing apparatus of the character described, means for carrying a plu-

rality of sheets to be surfaced in a definite substantially horizontal path, a series of surfacing machines mounted above the first-named means and each including a surfacing runner adapted to treat the sheets as they are carried therebeneath, and means for supporting each surfacing runner, including a supporting frame comprising a hub and three substantially horizontal supporting legs radiating therefrom, two of said legs being in substantial alignment with one another and extending diagonally of the sheet carrying means to opposite sides thereof and the third leg projecting from a point substantially intermediate the two first-mentioned legs and extending transversely of the sheet carrying means to one side thereof, pedestals at the opposite sides of the sheet carrying means outwardly thereof for directly supporting the respective legs thereupon, those portions of the two first-mentioned legs arranged over the runner lying to one side of a straight line drawn through the center of gravity of said runner to permit lateral removal of the runner while supported by a vertically positioned removing means, and the third leg also lying to the same side of the center of gravity of the runner.

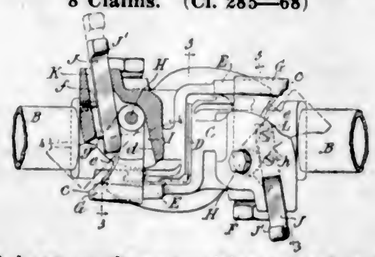


1,982,642
LIFTING JACK
Julius Curok, Chaplin, Saskatchewan, Canada
Application July 29, 1931, Serial No. 553,859
2 Claims. (Cl. 254—122)



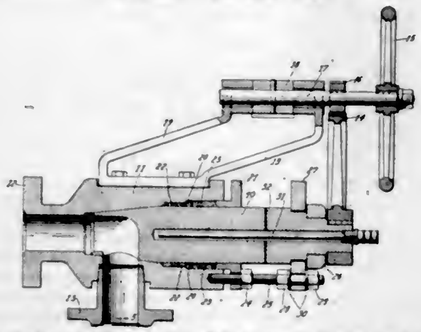
1. A lift jack comprising a base, a vertically movable toggle mechanism engageable at the top with an object to be acted upon and having at the bottom a pivotal connection with the base and screw means for opening and closing the toggle system comprising a horizontal screw and nut connections with links of the toggle spaced away from and out of contact with the base and intermediate the base and the top of the toggle system, said toggle mechanism comprising a pair of oppositely extending short links at the bottom with their inner ends pivoted to the base in a fixed position and forming the pivotal connection thereat, and a plurality of longer links crossing in pairs and pivoted together where they cross and pivoted at their outer ends to one another, the lowermost of the longer links being pivoted at their outer ends to the outer ends of said short links, and guide means extending from the base to said lowermost longer links where they cross and said screw and nut device being connected with the outer ends of longer links.

1,982,643
TRAIN PIPE COUPLER
Frank W. Dearborn, Brooklyn, N. Y., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y., a corporation of New York
Application October 12, 1933, Serial No. 693,235
8 Claims. (Cl. 285—68)



1. A hose coupler comprising a head and coupling means, provided with a lock comprising a laterally movable dog housed in the head and moving into wedging engagement with a mating coupler to hold the respective heads coupled, the head having a housing with its top overlying the dog inclined in a plane oblique to the longitudinal axis of the coupler and sloping downward toward the meeting faces thereof, and the dog movable in a direction generally longitudinally of the coupler, so that its portion overlying the mating coupler is wedged downwardly thereon during forward movement by the inclined top of the housing.

1,982,644
FLUID VALVE
Luis de Florez, Pomfret, Conn.
Application October 1, 1930, Serial No. 485,593
1 Claim. (Cl. 251—91)



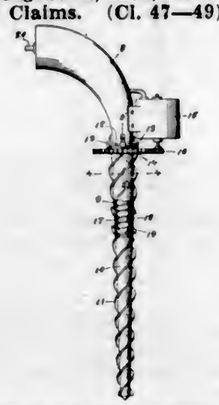
A valve adapted to effect directional changes in a flowing stream of fluid at high temperature and pressure, comprising a valve casing, an inlet located at one end thereof, a plurality of outlets circumferentially disposed in said casing, a plug projecting into said casing and adapted to turn therein, said plug comprising a cylindrical portion and a frustro-conical seating portion, said cylindrical portion being of the same diameter as the greatest diameter of said seating portion and of greater length than said frustro-conical portion, a smooth curved recess in said plug constituting a channel from the inner end of said seating portion to a port in the side wall thereof, a longitudinal channel extending into said plug from the end opposite said recess to within proximity of said recess, means comprising a tubular conduit slightly shorter than said longitudinal channel for introducing a cooling fluid into said longitudinal channel, a plurality of transverse exhaust channels extending from the annular passage between said tubular conduit and walls of said longitudinal channel to the outside of said plug for exhausting said cooling fluid, and actuating means connected to said plug for turning said plug in said casing to cause said inlet to selectively communicate with any one of said outlets.

1,982,645
ALLOY
John H. Derby, Scarsdale, N. Y.
No Drawing. Application February 1, 1933, Serial No. 654,767
2 Claims. (Cl. 75—1)

1. A fusible metal consisting of 10% to 5% of mercury and 90% to 95% of the eutectic consisting of lead, tin, cadmium and bismuth in substantially the following proportions:

	Per cent
Bismuth	50
Lead	26.7
Cadmium	10
Tin	13.3

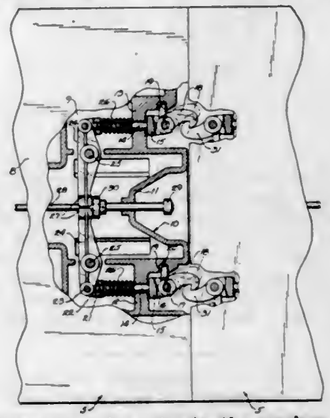
1,982,646
WEED EXTERMINATOR
Este L. Dick, Great Falls, Mont.
Application August 21, 1933, Serial No. 686,145
3 Claims. (Cl. 47—49)



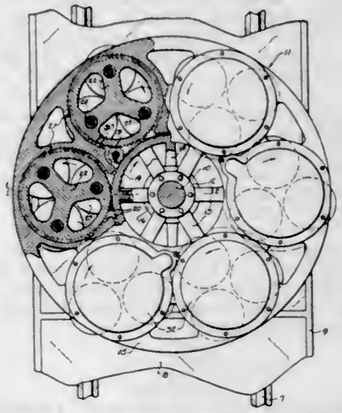
1. A weed exterminator comprising a handle, ground penetrating means secured to said handle and mounted for rotation with respect thereto, spiral ribs for said ground penetrating means, and heating means for the ground penetrating means and disposed therein.

1,982,647
TABLE COUPLING APPARATUS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 29, 1929, Serial No. 374,883
8 Claims. (Cl. 213—100)

1. In coupling means for cars or tables, coupling apparatus arranged at each end of the table and including a pivotally mounted hook, a rocker arm also arranged adjacent each end of the table, connections between each rocker arm and its respective hook, an operating rod extending longitudinally of the table and adapted upon movement in one direction to actuate one of the rocker arms whereby to effect swinging of the respective hook about its pivot and when moved in the opposite direction to actuate the rocker arm at the opposite end of the table to effect swinging movement of the respective hook, and means carried by the table for causing the swinging movement of said hooks upon actuation of said rocker arms.

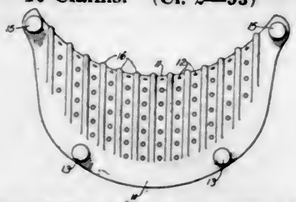


1,982,648
POLISHING APPARATUS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 24, 1931, Serial No. 552,926
5 Claims. (Cl. 51—120)



1. In polishing apparatus, the combination of a glass carrying table movable in a substantially straight line, a positively rotatable runner frame mounted above said table and projecting therebeyond at opposite sides thereof, a plurality of individual groups of polishing blocks carried by the runner frame and freely rotatable relative thereto, certain of the said blocks being caused to temporarily project outwardly of the sides of said table upon rotation of said runner frame, and means for connecting the several groups of polishing blocks so that the rotation of any one group relative to the runner frame will cause a corresponding rotation of all of the other groups.

1,982,649
COAT SHIELD
Hugh G. Dugan, Hinsdale, Ill.
Application March 31, 1933, Serial No. 663,693
10 Claims. (Cl. 2—53)



1. A shield of the character described, formed of moisture proof rubberlike material and shaped to provide side flaps and a connecting arch portion, and the shield having formed on its outer surface a plurality of ribs continuously extending up one side and over the arch and down on the other side to furnish air channels and to reinforce the arch portion of the shield against collapse.

1,982,650
OPTICAL DEVICE
William Fletcher, London, England, assignor to Centa Trading Corporation, New York, N. Y., a corporation of New York
Application February 14, 1934, Serial No. 711,148
3 Claims. (Cl. 2—14)

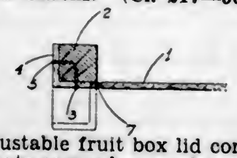


1. An eye shield comprising a spectacle frame including a pair of diaphragm supporting rims, and a pair of diaphragms supported in said rims, each diaphragm consisting of an opaque plate arcuate shaped in section provided with a horizontal slot disposed on the level of the center of rotation of the eye and with a forwardly projecting tube in registry with said slot, and a sheet of transparent material sprung into position between each of said opaque plates and its rim to have face engagement with the rear of said plate and cover said slot, the height of the slot and the corresponding diameter of the inside of the tube being larger than the normal diameter of the pupil of the eye and the lateral length of the slot and corresponding diameter of the inside of the tube being sufficient to give lateral vision, the forward length of the tube being sufficient to augment the subjective intensity of a viewed object by creating a field stop.

1,982,651
PREPARATION OF RESINOUS CONDENSATION PRODUCTS FROM PHENOLS AND ALDEHYDES
Martin Florenz, Erkner, near Berlin, Germany, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany
No Drawing. Application September 4, 1931, Serial No. 561,254. In Germany September 9, 1930
5 Claims. (Cl. 260—4)

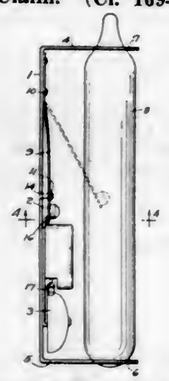
1. Process of preparing novolak resins of the phenolic type which comprises reacting in an aqueous medium not more than 7 effective methylene mols of a methylene containing agent with 13 mols of a mixture of resin-forming components including a phenol having different rates of reaction with the methylene agent in the presence of a base as a condensing agent, the amount of said base corresponding to not less than 10 per cent by weight of the mixture of 25 per cent aqueous ammonia, and continuing the reaction by heating for a substantial period of time after the reaction has reached the stage of a heat-hardening resin.

1,982,652
ADJUSTABLE FRUIT BOX LID
Harry W. Foley, Fresno, Calif.
Application February 13, 1933, Serial No. 656,545
5 Claims. (Cl. 217—56)



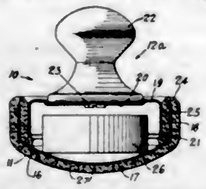
1. An adjustable fruit box lid comprising a lid member, cleats secured on and extending across said member at its ends, said member being scored transversely immediately adjacent the edges of the opposed cleats nearest each other to permit bending the end portions of said member through a 90° arc along the lines of scoring.

1,982,653
FIRE ALARM AND EXTINGUISHER
Samuel B. Forman, Long Island City, N. Y.
Application April 29, 1933, Serial No. 668,572
1 Claim. (Cl. 169—26)



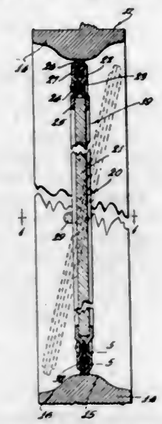
In an automatic fire alarm unit, a bracket, a hammer mounted on a spring in said bracket, means adjusting the tension with which said spring is held including a fuse holding said hammer spring in tension and adapted to melt and release said spring at a given temperature, a container positioned in the path of said hammer and adapted to be broken thereby as it is released, an alarm, and means operating said alarm as the hammer is released.

1,982,654
STEEL WOOL CLEANER
Louis Friedman, Brooklyn, N. Y.
Application December 8, 1932, Serial No. 646,227
9 Claims. (Cl. 15—209)



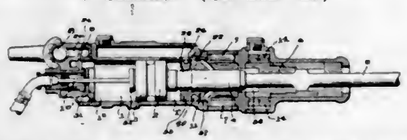
1. A device including a pad consisting of a sheet of steel wool stitched through along a plurality of spaced lines to hold together the strands of the steel wool, said pad having portions folded upon each other and secured together to form a pocket and an opening therefor between the fold portions, and a steel wool filler strip in the pocket remote from said opening and interconnected with the fold portions.

1,982,655
WINDOW
Samuel W. Funk, Charter Oak, Calif.
Application March 30, 1933, Serial No. 663,535
8 Claims. (Cl. 20—53)



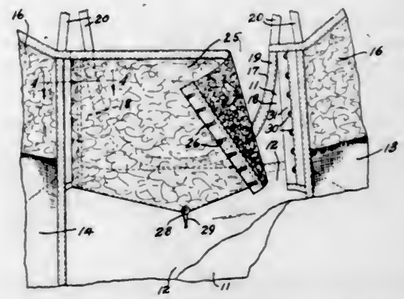
1. A window sash having a frame with a glass therein, pivots diametrically opposite connected to two opposite sides of the frame, the frame having weather strips adjustably mounted therein, and a spring positioned back of each strip tensioned to force the strip outwardly, the spring having a pair of parallel strips with a spring in between formed with wave like corrugations.

1,982,656
DRILLING MACHINE
George H. Gilman, Belmont, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application December 31, 1930, Serial No. 505,810
7 Claims. (Cl. 121—19)



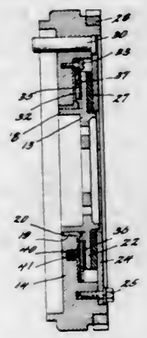
1. In a drilling machine, a cylinder having a bore and an exhaust port therein, a hammer piston reciprocably mounted in said cylinder bore, said cylinder provided with a port opening into the cylinder bore behind said piston and into the cylinder bore in front of the piston, a valve interposed in said port for controlling passage of pressure fluid into the cylinder alternately behind and in front of the piston, said cylinder provided with a constant pressure supply port for delivering pressure fluid to the cylinder in front of said piston, said last named port controlled by said hammer piston, the part of said first named port opening into the cylinder in front of the piston forming a supplementary return port for leading pressure fluid to the valve to move the valve to cut off passage of pressure-fluid to the cylinder behind the piston.

1,982,657
GARMENT
Rose M. Graves, Chicago, Ill., assignor to Venus Brassiere Co. Inc., Chicago, Ill., a corporation of Delaware
Application July 16, 1934, Serial No. 735,307
3 Claims. (Cl. 2—30)



1. A foundation garment of the kind described having, in combination, a back section wherein is a cut-out proceeding downwardly from its upper edge, the portions of the back section upstanding adjacent opposite sides of the cut-out being reinforced, a brassière portion topping the garment and extending therearound to join the upstanding reinforced portions of the back section, a panel of material similar to the brassière portion formed to extend across the cut-out portion of the back, and protected releasable fastenings between opposite ends of the panel and the reinforced upstanding portions of the back section.

1,982,658
RUBBER MOUNTED FLYWHEEL
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 22, 1931, Serial No. 582,591
9 Claims. (Cl. 74—6)

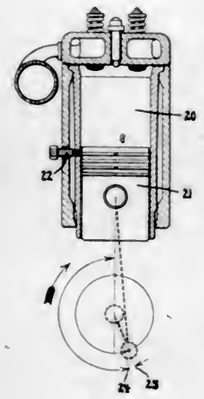


6. In apparatus of the class described, the combination with a hub member, of a flywheel member journalled on said hub member, an annular flexible disc secured to one of said members, yielding means associated with the member to which the disc is secured for flexing the latter outwardly from the member, the other of said members having a flange portion arranged for engagement by said disc to frictionally connect said members, and means including an elastic element operatively connected between one of said members and the said flange portion on the other of said members.

1,982,659
PERFORMANCE GAUGING MEANS FOR PRIME MOVERS

Joseph C. Groff, Allentown, Pa.

Application July 7, 1930, Serial No. 466,111
4 Claims. (Cl. 73—51)



2. An apparatus for gauging the power performance of piston type prime movers of the multi-cylinder type and for checking the equality of power developed by each of the respective cylinders, comprising a single ported passage in each cylinder which is located along the bore in the side wall of each cylinder and in position to be automatically uncovered by the piston itself at an instant commencing only during the latter part of the expansion stroke of the piston and also substantially at an instant just prior to the initial exhaust of the expanding medium from the power cylinder, and means adapted to be placed in communication with each of said ports for giving an indication of pre-exhaust pressure conditions which exist in each power cylinder at the time of uncovering each of the ports by each of the pistons respectively, which conditions are indicative of the power developed by the respective cylinder, to thereby show the power performance of the engine and to show the relative power performance of each cylinder thereof.

1,982,660
TOOTHBRUSH

John P. Handy, Long Prairie, Minn.

Application December 30, 1932, Serial No. 649,645
5 Claims. (Cl. 15—167)



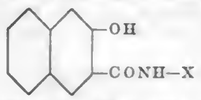
1. A brush of the character described including a head portion having bristles and a longitudinal lip extending substantially horizontally a substantial distance outwardly from a side edge of the head.

1,982,661
FLUORINATED ARYLAMIDES

Emmet F. Hitch and Miles A. Dahlen, Wilmington, Del., and Martin E. Friedrich, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 27, 1933, Serial No. 682,462
10 Claims. (Cl. 260—124)

5. Arylamides of 2,3-hydroxy-naphthoic acid having the following general formula:



in which X represents the radical of a fluorinated arylamine.

1,982,662
LIME SOAP GREASE

Walter D. Hodson, Chicago, Ill.

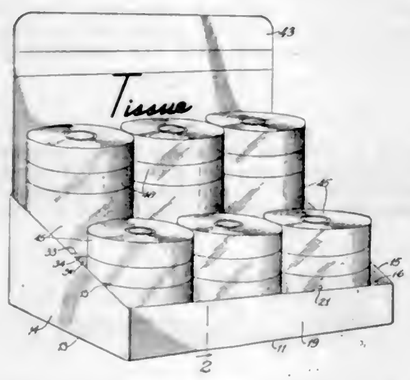
No Drawing. Application December 9, 1929, Serial No. 412,930
5 Claims. (Cl. 87—9)

1. A lime soap grease containing a viscous mineral oil and lime soap of a fatty acid of high molecular weight and a minor proportion of a structure stabilizing oil-miscible solvent.

1,982,663
COUNTER DISPLAY PACKAGE

Byron T. Hoffmaster, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application November 11, 1933, Serial No. 697,690
1 Claim. (Cl. 206—45)

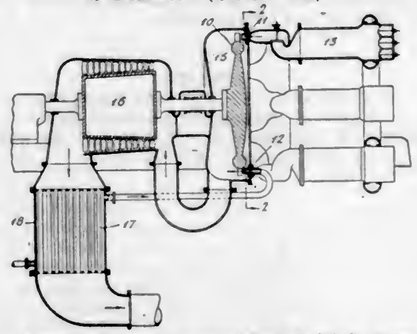


In a package of the character described, the combination of an enclosing member comprising a flat base terminating at its margins in front, rear, and end walls, the rear wall being higher than the front wall, and the upper edges of the end walls sloping upwardly from front to rear, said enclosing member being formed from a single blank of material having the front, rear, and end walls connected to the base along folding lines, a collapsible platform adapted when erected to fit within the rear half of the enclosing member and in contact with the rear wall thereof, and adapted when collapsed to lie flatwise within the enclosing member, two rows of uniformly shaped units of merchandise of a height substantially equal to the height of the rear wall and greater than the height of the front wall, and a flat display panel of dimensions substantially equal to the base of the enclosing member and resting upon the tops of the units of merchandise when packed for shipment, to provide a substantially rectangular assembly, the platform being erectable to elevate the rear row of merchandise units into stepwise relation to the front row, and the display panel being of proper dimensions to stand vertically between the rear row of merchandise units and the rear wall of the enclosing member, with its base resting upon the erected platform and with its upper portion projecting above the rear row of merchandise for trade announcement purposes.

1,982,664
COMPOUND GAS TURBINE AND METHOD OF PRODUCING POWER THEREWITH

Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware

Application July 30, 1926, Serial No. 125,875
Renewed November 17, 1931
2 Claims. (Cl. 60—49)

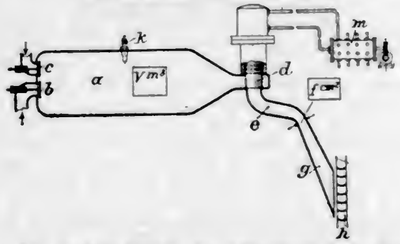


1. A power plant comprising a high pressure turbine having a plurality of explosion chambers, nozzles communicating therewith for the supply of combustion gases under pressure, nozzles for the supply of steam under pressure, a collector for receiving the mixture of the exhaust combustion gases and of the exhaust steam from said turbine at a pressure above atmospheric, and a second expansion stage engine operated by the mixture coming from such collector.

1,982,665
EXPLOSION TURBINE

Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware

Application April 19, 1929, Serial No. 356,446
In Germany April 30, 1928
4 Claims. (Cl. 60—41)

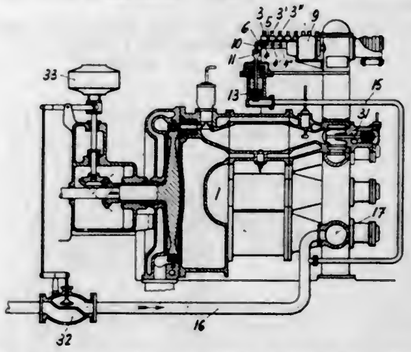


1. In combination, an explosion chamber, air and fuel charging valves at the inlet end of said chamber, an outlet valve at the outlet end of said chamber, a discharge element, a channel between said discharge element and the outlet end of said chamber, means for exploding a combustible mixture fed by said charging valves, said outlet valve being adapted to be opened a definite time after said explosion to discharge the combustion gases into said discharge element, said air valve being adapted to be opened when the pressure in said chamber is a definite amount above the counter pressure beyond said discharge element, means for holding said outlet valve open for a period sufficient to insure substantially complete scavenging of said chamber of the residual combustion gases, and means for closing said valve at the end of such period, said period, measured in seconds, being substantially 40 times the ratio of the volume of the explosion chamber, measured in cubic meters, to the minimum cross-sectional area of the discharge element, measured in square centimeters.

1,982,666
APPARATUS FOR CHARGING EXPLOSION CHAMBERS

Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware

Application November 17, 1931, Serial No. 575,542
In Germany November 26, 1930
2 Claims. (Cl. 60—41)



1. In a constant volume explosion turbine plant, the combination of a pistonless, constant volume, explosion chamber, mechanism for charging compressed air into the chamber, a piston pump for charging liquid fuel under pressure into said chamber, a conduit between said pump and chamber, a check valve in said conduit adapted to oppose a high resistance to the entry of oil into said conduit, whereby the fuel is introduced at high pressure into the chamber, and mechanism for maintaining substantially constant the total heat content per unit of weight of the explosive charges in the chamber under all conditions of regulation of the plant, comprising a regulating pressure oil circuit associated with said air charging mechanism and said fuel pump and adapted to adjust the feed of air and fuel, and means operative to vary the pressure of said regulating oil in accordance with the regulation of the plant.

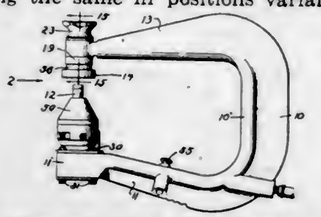
1,982,667
PNEUMATIC BUMPING TOOL FOR SHEET METAL

Charles Hopkins, Detroit, Mich.

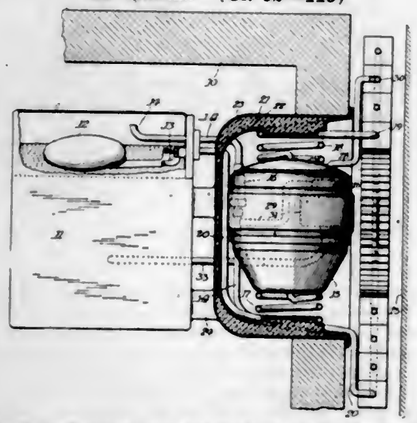
Application December 26, 1931, Serial No. 583,266
5 Claims. (Cl. 153—32)

1. In a pneumatic hammering tool for sheet metal, a support of generally C-contour, a pneumatic hammer unit carried by one leg of the sup-

port, an anvil member carried by the other leg and adapted to receive the blows delivered by the hammer, and means for varying the strength of the blow delivered by the hammer comprising adjusting means for moving the anvil to and rigidly fixing the same in positions variantly distant from the hammer, and including a backing plate having portions of variant thicknesses, and means for clamping the anvil member and backing plate together and against the supporting leg with said plate in different positions, whereby portions thereof of variant thicknesses separate the anvil and the leg.



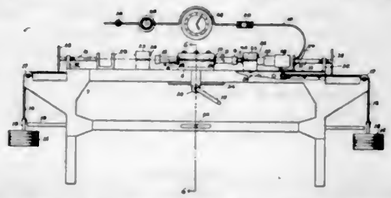
1,982,668
REFRIGERATING APPARATUS
Rasmus M. Hvid, Chicago, Ill., assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application February 27, 1931, Serial No. 518,709
Renewed November 1, 1933
11 Claims. (Cl. 62—115)



1. In refrigerating apparatus, the combination of a constantly running motor, a compressor, a condenser and an evaporator, and means controlled by the temperature condition of the evaporator for unloading and reloading the motor whereby to maintain a uniform temperature.

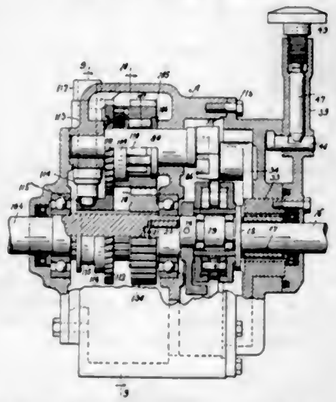
1,982,669
DEVICE FOR TESTING IMPACT TOOLS
Bernard F. Jenkins, United States Navy
Application March 12, 1932, Serial No. 598,359
9 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device for testing impact tools, comprising a bench, a carriage slidable thereon, a flexible member connected to each end thereof, a weight carried by each of said members, a longitudinally slidable bar adapted selectively to hold one of said weights inactive, a bridge mounted on said bench over said carriage, clamping means on said bridge, a bushing of relatively soft metal in said means, a bar frictionally held in said bushing, a cap on each end of said bar, a rack and pinion operative to move said carriage; clamping means on said carriage on each side of said bridge to hold a tool comprising an upper member having transverse slots therein and a lower member, pins extending through said carriage and through both clamp members, said pins having slots in registry



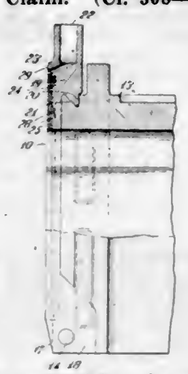
with the slots in said clamp members, and tapered pins adapted to be driven into the slots in said clamp members and said pins; clamping means for the handle of the tool comprising a U-shaped element and a screw to force one limb of said element against the end of the tool barrel, and means for controlling and measuring the power input into a tool being tested.

1,982,670
VARIABLE SPEED MECHANISM
James P. Johnson, Cleveland, Ohio
Application February 18, 1932, Serial No. 593,798
2 Claims. (Cl. 74—119)



1. A power transmission comprising a drive shaft, a driven shaft, a plurality of intermediate shafts, means operatively connecting said drive shaft and said intermediate shafts for oscillating said intermediate shafts upon rotation of said drive shaft, a plurality of members rotatably supported by said intermediate shafts, cam surfaces on the interior of said members, reversible one-way drive clutches between said members and said intermediate shafts, means operatively connecting said members and said driven shaft, said reversible one-way drive clutches comprising rollers positioned between said members and said intermediate shafts and cooperating with said cam surfaces on said members, roller cages embracing said rollers, a spiral gear connected to each of said roller cages, a second spiral gear keyed to said driven shaft and in mesh with the first mentioned spiral gears, and means for moving said second mentioned spiral gear longitudinally of said driven shaft whereby said roller cages are simultaneously moved relative to said members.

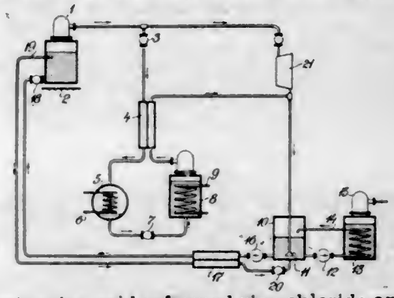
1,982,671
JOURNAL BOX HUB LINER
James Kiely, Gallup, N. Mex.
Application July 1, 1932, Serial No. 620,459
1 Claim. (Cl. 308—165)



A hub liner comprising, in combination with a journal box provided in its top with a rearwardly tapered groove; a single piece plate adapted to extend flush with the end of the journal box and formed to provide journal box inter-engaging surface at its top and cut out centrally from the lower edge to accommodate a journal, the top of the plate and on its rear side being provided with an upstanding enlargement having a lubricant holding cavity provided in its bottom with a port adapted to discharge the lubricant onto the forward face of the plate, said enlargement having a depending lip whose forward face is rearwardly tapered and adapted to enter said tapered groove whereby the plate is automatically drawn toward the journal box and held in place, the opposite sides of the plate adjacent the bottom having rearwardly disposed apertured lobes adapted to receive the cellar-bolt of the journal box whereby upward movement of the plate is prevented, the forward face of the plate being provided with concentric undercut grooves and radial grooves connecting the concentric grooves; and a wear resisting lining disposed across the plate and in said grooves whereby rotary movement of the lining is prevented, the outer face of said lining having oil conveying grooves leading from said port downwardly toward opposite sides at the journal.

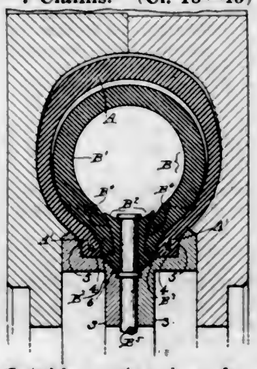
1,982,672
PROCESS FOR THE SIMULTANEOUS GENERATION OF COLDNESS AND STEAM UNDER PRESSURE
Ernst Koenemann, Halensee, near Berlin, Germany, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany, a corporation of Germany
Application April 15, 1931, Serial No. 530,418
In Germany April 24, 1930
21 Claims. (Cl. 62—179)

1. The method of generating coldness and steam under pressure consisting in subjecting molten zinc chloride ammoniacate to a high temperature to decompose it under pressure into gasiform ammonia and a second zinc chloride ammoniacate with a lower content of ammonia, usefully extracting sensible heat from the gasiform ammonia, condensing said ammonia by extracting latent heat, evaporating it under reduced pressure so as to produce coldness, usefully extracting sensible heat from the second zinc chloride ammoniacate, introducing the evaporated ammonia into the second zinc chloride ammoniacate to re-form said first zinc chloride ammoniacate, usefully extracting the heat developed by the recombination to generate steam under pressure,



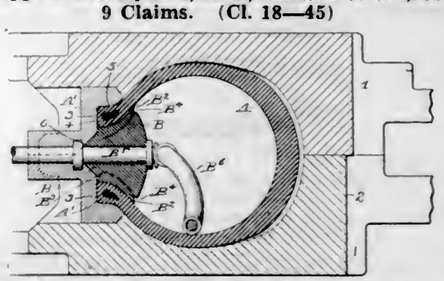
and returning said reformed zinc chloride ammoniacate for re-decomposition.

1,982,673
INFLATABLE CURING BAG FOR TIRE CASINGS
Laurits A. Laursen, Akron, Ohio
Application April 4, 1932, Serial No. 602,956
7 Claims. (Cl. 18—45)



1. An inflatable curing bag for tire casings having beads, said bag comprising an annular tubular body portion and a relatively rigid annular base, said body portion being united to the base along lines located radially inward of the outer circumference of the base so as to leave at opposite sides of the base in zones including the beads of the tire casings narrow channels or passages communicating with the interior of the bag, as and for the purpose described.

1,982,674
SEALING RING FOR TIRE CASINGS
Laurits A. Laursen, Akron, Ohio
Application April 4, 1932, Serial No. 602,957
9 Claims. (Cl. 18—45)



1. An annular ring for sealing a tire casing at the beads during vulcanization under direct in-

ternal fluid pressure, said ring being formed in zones including the beads of the tire casing sufficiently rigid to act as an abutment against which the tire casing throughout the radial extent of said bead zones may be locked preparatory to vulcanization and formed to permit of free lateral expansion from within in said bead zones by said fluid pressure, and said ring being closed at the base so as to act alone in sealing the casing.

1,982,675

PREPARATION OF ACETOACETANILID

George H. Law, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 2, 1933, Serial No. 700,729

10 Claims. (Cl. 260—124)

1. Process for making acetoacetanilid which comprises treating aniline with diketene, and recovering acetoacetanilid from the reaction liquor.

1,982,676

POLYMERIZATION OF VINYL NAPHTHALENE

Walter E. Lawson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 21, 1929, Serial No. 387,568

15 Claims. (Cl. 260—2)

1. Polymerized vinyl naphthalene.

2. The method of polymerizing vinyl naphthalene which comprises heating vinyl naphthalene to a temperature above atmospheric temperature and below the point of decomposition of the vinyl naphthalene.

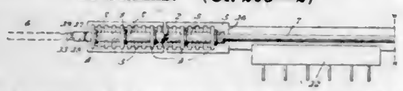
1,982,677

COBBLE REMOVAL FROM PUSH BENCHES

Carl W. Littler, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 24, 1932, Serial No. 613,191

16 Claims. (Cl. 205—2)



16. A method of removing cobble from a push bench, comprising simultaneously supporting the cobble internally, engaging it transversely, and bodily moving it longitudinally out of the push bench.

1,982,678

PUSH ON AND PULL OFF GREASE GUN FITTING

Merwyn B. Linton, Chicago, Ill.

Application January 26, 1931, Serial No. 511,428

5 Claims. (Cl. 285—173)



1. In a device of the class described, a pair of conduits adapted to be connected and disconnected, a flexible sealing washer and a slip ring carried by one of said conduits, a latch controlled by said slip ring, a latch engaging means carried by the other of said conduits, said conduits being engageable or disengageable by a single rectilinear movement of said slip ring and a detent for yieldingly holding said slip ring in position.

1,982,679

ROOFING

Robert Maclean, Michigan City, Ind., assignor to Amalgamated Roofing Company, Chicago, Ill., a corporation of Illinois

Application September 2, 1930, Serial No. 479,234

3 Claims. (Cl. 91—70)

1. The method of saturating a strip of roofing felt which comprises supporting the strip at a plurality of closely spaced points, sliding the strip past said points of support, and striking the strip only on one side opposite said points of support with a jet of saturant of sufficient velocity to force saturant completely through said strip by its own forces alone.

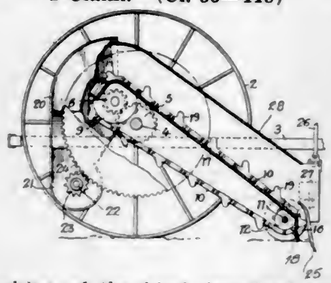
1,982,680

MACHINE FOR TREATING CORN STALKS

Oscar O. Mann, Otterbein, and Jesse W. Chenoweth, Lebanon, Ind.

Application July 30, 1932, Serial No. 626,800

1 Claim. (Cl. 55—118)



A machine of the kind described comprising a frame having an axle journalled therein, a shaft mounted in said frame, and parallel with said axle, means for driving said shaft from said axle, a plurality of driving sprockets secured on said shaft, a pair of casters supporting the front of said frame, supports depending from the front of said frame, a second shaft supported in said supports, a plurality of sprockets on each of said shafts, a conveyor chain carried on said sprockets, a grinding mill, a gear on said axle operably connected to said mill for driving the same, a plurality of rake teeth carried at the front of said frame and a single digger tooth positioned in advance of the rake teeth.

1,982,681

DIAZOIMINO COMPOUND PRODUCED FROM HETEROCYCLIC IMINES

Eugene A. Markush, Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application February 6, 1933, Serial No. 655,470

26 Claims. (Cl. 260—69)

1. Diazoimino compounds having the following general formula:

$$R—(—N=N—X)_n$$

wherein R represents the residue of an arylamine, X represents the residue of a heterocyclic imine which is at least partially hydrogenated and which contains at least one water-solubilizing group, the *n* represents the integer 1 or 2.

1,982,682

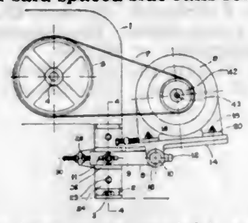
MOTOR MOUNTING

Hormisdas Massé, Woonsocket, R. I.

Application July 27, 1933, Serial No. 682,414

8 Claims. (Cl. 308—11)

1. In a motor mounting of the character described, a base portion comprising spaced side rails, opposed means slidably mounted upon the inner faces of said spaced side rails for adjustably



clamping the base to an upright, and a motor support pivotally mounted upon the base.

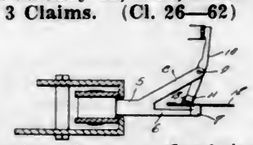
1,982,683

TEXTILE CLAMP

John J. McCann, Jr., Lowell, Mass.

Application February 11, 1932, Serial No. 592,373

3 Claims. (Cl. 26—62)



1. In a tenter clamp, a fixed jaw having a fabric-engaging top surface with an abrupt shoulder along the rear edge thereof, the clamp having a free space rearwardly of said shoulder extending below the plane and along the width of said surface and adapted freely to receive thereinto the edge portion of a fabric resting on said surface, a movable jaw coacting with said surface of the fixed jaw to clamp the edge portion of a fabric therebetween, and a lug carried by the movable jaw at its rear edge for engaging one surface of the fabric and uncurling the edge thereof, the lug being adapted to cause the opposite surface of the fabric to be dragged over said shoulder whereby to straighten out any felted edge thereof, and the lug acting to keep the movable jaw from closing onto the fabric while the fabric is beneath the lug.

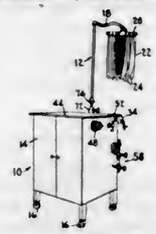
1,982,684

HAIR-WAVING APPARATUS

Herman Meier and Erich Gründmann, West New York, N. J.

Application December 6, 1932, Serial No. 645,934

46 Claims. (Cl. 132—36)



1. In a portable apparatus for waving hair by steam, consisting of a portable casing, a boiler within the casing for generating the steam used in the hair-waving operation, a support extending upwardly from the casing, a manifold carried by the end of the support beyond the casing, and a plurality of attaching elements depending from the manifold, the elements providing means for placing hair-retaining waving devices in communication with the manifold, the support providing a conduit for conducting steam from the boiler to the manifold, the top of the casing being positioned at normal table height and being located a predetermined distance below the manifold and providing means for use in conjunction with the hair-retaining waving devices to facilitate assembly of the latter in relation to the hair to be waved, the support being capable of movement to position the elements immediately over the casing top or extending beyond the position of the casing top.

1,982,685

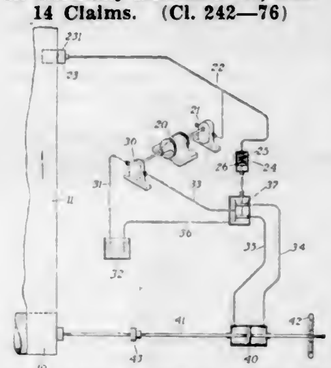
ROLL SHIFTING DEVICE

Rudolf Müller, Wiesbaden Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., a corporation of Delaware

Application December 2, 1932, Serial No. 645,438

In Germany December 14, 1931

14 Claims. (Cl. 242—76)



6. In a machine a moving pellicle, fluid operated means for adjusting the pellicle laterally of the machine, and valve means for operating said fluid operated means comprising a spring-pressed valve held in balance by fluid pressure and pneumatic means operated by the edge of the pellicle for changing the fluid pressure opposing the thrust of the spring to operate the valve.

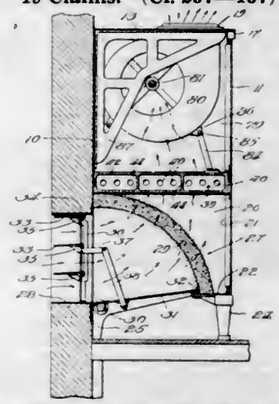
1,982,686

UNIT HEATER AND CONTROL MECHANISM THEREFOR

Richard H. Nelson, Moline, Ill., assignor to The Herman Nelson Corporation, Moline, Ill., a corporation of Illinois

Application September 24, 1932, Serial No. 634,735

19 Claims. (Cl. 257—137)



2. In a device of the class described, the combination of a cabinet having an inlet for recirculation of room air and an inlet for the admission of exterior air, a controlling damper hinged

in position to close either of said inlets and to be moved and held in intermediate positions of adjustment, an obstructive element adapted to permit air to be drawn therethrough and of arcuate configuration, occupying a position closely adjacent to the path of movement of the edge of the controlling damper and adapted to coact therewith in directing air from either or both sources inwardly into the cabinet and in preventing exterior air from passing through the recirculation inlet and into the room when the damper stands in an intermediate position, a fan beyond said obstructive element for sucking in air from either or both of said inlets and through the obstructive element, an inlet damper in the exterior air inlet, and connections between said inlet damper and said controlling damper for causing the two dampers to move in reverse relation to one another in opening and closing the inlet for exterior air.

1,982,687
PILE
James J. O'Brien, Wayne, Pa.
Application May 29, 1931, Serial No. 540,847
4 Claims. (Cl. 61—53)



1. A pile comprising an outer casing, an inner mandrel, and prongs carried by the mandrel at different levels within the casing and operable, by a downward movement of the mandrel relative to the casing, to be projected laterally through the wall of the casing.

1,982,688
PROCESS FOR REVIVIFYING SODIUM BICARBONATE SOLUTION
Robert W. Pack, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application December 3, 1931, Serial No. 578,746
1 Claim. (Cl. 23—64)

The process of revivifying sodium bicarbonate solution, while in storage, to maintain it continuously in condition for instant use, which comprises determining the amount of deterioration to normal sodium carbonate and adding solid carbon dioxide to the storage vessel containing the solution in an amount sufficient to convert such normal sodium carbonate to sodium bicarbonate.

1,982,689
MAGNETIC CORE MATERIAL
Wladimir J. Polydoroff, Chicago, Ill., assignor to Johnson Laboratories, Incorporated, Chicago, Ill., a corporation of Illinois
Application March 16, 1931, Serial No. 523,112
79 Claims. (Cl. 175—21)

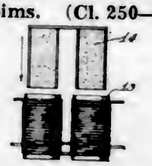


1. A compressed comminuted magnetic material having individually-insulated particles and a substantially constant permeability for a band of radio frequencies at least one octave wide.

50. Powdered iron, chemically reduced as by hydrogen, the greater portion of the particles thereof being small enough to pass through a screen of 400 meshes to the inch and being substantially insulated by an oxidized varnish.

79. The process of producing a comminuted magnetic core from magnetic particles individually insulated with an organic coating, which consists in mixing said insulated particles with a powdered binder, placing said mixture in a mould, heating the mould to render the binder plastic, subjecting said mixture to pressure, removing the compressed core body from the mould and heat treating said compressed body to reduce its eddy current losses.

1,982,690
SELECTIVE RADIO CIRCUIT
Wladimir J. Polydoroff, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Original application August 26, 1929, Serial No. 388,289, now Patent No. 1,940,228, dated December 19, 1933. Divided and this application March 8, 1933, Serial No. 660,020. In Canada July 28, 1930
40 Claims. (Cl. 250—40)

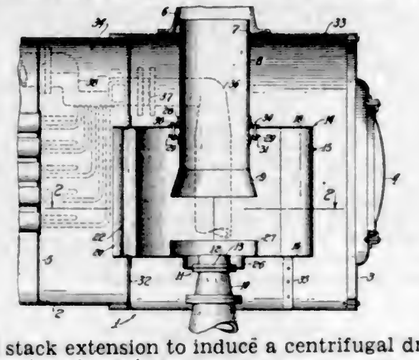


30. A high-frequency inductance device for use in resonant circuits including at least one low-loss winding and a compressed comminuted magnetic core having insulated magnetic particles small enough to pass through a screen having 300 meshes to the inch.

1,982,691
SPARK ARRESTER
Leslie R. Pyle, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application March 15, 1933, Serial No. 660,826
6 Claims. (Cl. 230—97)

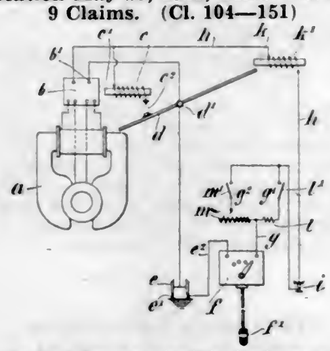
1. In combination with a smoke box, a flue sheet at one end thereof, means providing a centrifugal action chamber in said smoke box having an inlet opening facing generally toward the flue sheet, a baffle wall between said casing and smoke box shell and arranged to isolate the inlet from the front portion of the smoke box, a smoke stack having an extension opening into said casing to terminate in a plane between the top and bottom of the inlet, and an exhaust

nozzle associated with said stack and also opening into said casing in a manner coacting with



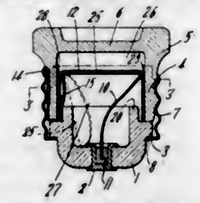
said stack extension to induce a centrifugal draft action in said casing.

1,982,692
CONTROL FOR ELECTRIC TRAINS
Donald H. Queeney, Plainfield, N. J.
Application May 23, 1929, Serial No. 365,271
9 Claims. (Cl. 104—151)



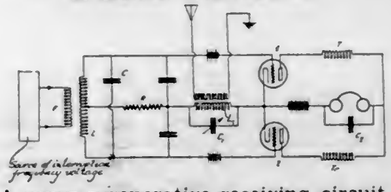
1. A control for an electric train comprising a motor, a reversing switch for the motor, means in parallel with the motor for operating the switch, means in series with the motor for preventing operation of the switch operating means, a switch and variable resistance for the motor, and an auxiliary switch and resistance in parallel with the switch and variable resistance for controlling the means for preventing operation of the switch operating means.

1,982,693
PLUG FUSE
Joseph G. Riesman, Milton, Mass., assignor to Royal Electric Company, Incorporated, Avon, Mass., a corporation of Massachusetts
Application September 22, 1932, Serial No. 634,266
3 Claims. (Cl. 200—130)



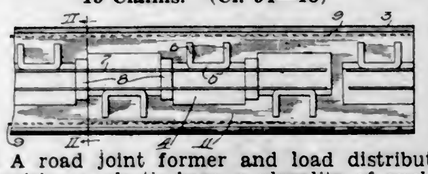
1. A fuse having a non-conductive base provided with a terminal, a transparent body portion having a window opposite to said base, and a side wall extending theretoward, a threaded conductive shell enclosing said side wall, a fuse element having its opposite ends secured to said terminal and shell, respectively, and having an intermediate portion of reduced cross section back of said window, a protecting sleeve inwardly of and substantially against said side wall and between said wall and said fuse element and presenting a relatively narrow edge, and a relatively flimsy sheet material member positioned back of said intermediate fuse element portion and adjacent thereto and forming a partition normally dividing the space enclosed by said body and base into a pair of chambers in one of which said reduced cross sectional fuse portion lies, said sheet material member being supported on said edge free to give way under pressure produced when the fuse element blows, to unite said chambers.

1,982,694
SUPERREGENERATIVE RECEIVER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1929, Serial No. 351,411
Renewed June 22, 1931
35 Claims. (Cl. 250—20)



1. A super-regenerative receiving circuit comprising a pair of triodes of similar characteristics having grid and plate circuits, a tuned circuit common to the grid circuits of both triodes, one of said triodes having its plate circuit coupled to the tuned circuit in its grid circuit, the other triode having its plate circuit reversely coupled to said tuned circuit, and a source of interrupting current coupled to the grid circuits of said triodes said current being of a super-audible frequency.

1,982,695
ROAD JOINT BASE UNIT
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1934, Serial No. 705,169
15 Claims. (Cl. 94—18)

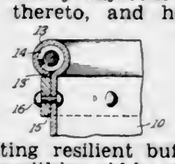


1. A road joint former and load distributor comprising a plastic base, a plurality of anchor means partially embedded in the plastic base and held in spaced relation thereby, and a void forming core unit removably supported by the anchoring means.

1,982,696
RECEPTACLE
Louis Rosenberg, Brooklyn, N. Y.
Application December 14, 1931, Serial No. 580,943
6 Claims. (Cl. 220—73)

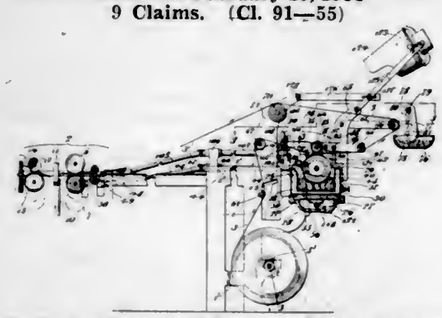
1. A cylindrical container constituting a unit having beaded ends, a bottom having a flange fitting the container, bands encircling the outer wall

of the container closely adjacent said beads and fixedly secured thereto, and helically wound



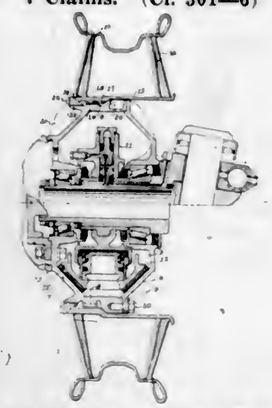
springs constituting resilient buffers extending circumferentially within said beads.

1,982,697
ATTACHMENT FOR PAPER BAG MAKING MACHINES
Thomas M. Royal, Philadelphia, Pa.
Application January 10, 1929, Serial No. 331,660
Renewed February 10, 1934
9 Claims. (Cl. 91—55)



7. In an attachment for a machine of the character described, the combination of wax applying means, the wax applied to the said means being rendered liquid by the application of heat thereto, means for supporting and guiding a paper sheet past and in cooperative relation to the said wax applying means, means whereby wax is applied to portions of the said sheet of a width less than the width of the said sheet, the said waxed areas being separated by unwaxed portions, means for applying an adhesive to the unwaxed marginal edge portion of the surface upon which the said waxed areas have been provided, and means for directing a blast of air upon the waxed surface of the said sheet to cool the wax thereon.

1,982,698
COMBINED BRAKE HOUSING AND WHEEL
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application November 18, 1931, Serial No. 575,841
7 Claims. (Cl. 301—6)



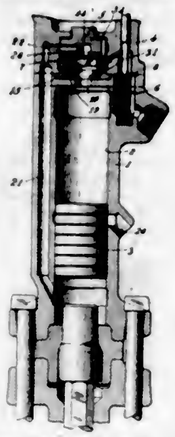
1. In motor wheel assemblies wherein a wheel formation is demountably secured bodily to the periphery of a hub structure forming a housing for and co-operating with a brake mechanism therein, and in combination, a hub having opposing side walls each having an inwardly-inclined wall adapted to form a braking surface for the brake mechanism, said walls being spaced by a peripheral section carried by one wall and connected to the other wall to complete the periphery of the hub, and a wheel formation carried by said peripheral section, said formation and peripheral section having complementary means for securing the formation in supported and drive relation on said section, the width of the section being materially less than the width of the formation with said complementary means located at one side of a plane normal to the wheel formation axis and extending substantially centrally of the wheel formation width.

1,982,699
MACHINE GUN
Clarence E. Simpson, Springfield, Mass.
Application May 8, 1934, Serial No. 724,523
6 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



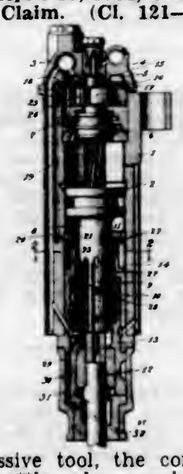
5. In a gun, a breech casing, a reciprocable breech bolt in the casing, a sear carried by the bolt, a member movable transversely of the casing, a member reciprocable longitudinally of the casing and during its reciprocation holding the transversely movable member in the path of the sear, and means for controlling the rate of movement of the reciprocable member.

1,982,700
PERCUSSIVE TOOL VALVE
William A. Smith, Jr., North Arlington, N. J., and Herman J. Schorle, Astoria, N. Y., assignors to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 1, 1934, Serial No. 713,515
7 Claims. (Cl. 121—19)



1. In a percussive tool, the combination of a cylinder having a piston chamber therein, a piston in said chamber, an exhaust port in the cylinder, a valve chest having a valve chamber, inlet passages leading from the valve chamber to the piston chamber, a valve in said chamber comprising a cup-like body including a cylindrical wall and a transverse wall, said body having an annular groove formed therein providing a flange, ports leading to said groove for supplying pressure fluid thereto, the rear wall of said groove forming a pressure surface exposed to pressure fluid and the forward surface of said transverse wall being exposed to compression from the cylinder for throwing the valve in one direction, a part of the rear of said transverse wall being exposed to pressure fluid and the remaining portion of the rear side of said transverse wall being exposed to compression for throwing the valve in the opposite direction.

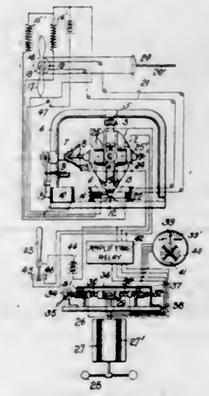
1,982,701
PERCUSSIVE TOOL
William A. Smith, Jr., North Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application April 19, 1934, Serial No. 721,278
1 Claim. (Cl. 121—13)



In a percussive tool, the combination, of a cylinder, a throttle valve, a valve chest, a front cylinder washer having an oil reservoir therein, a bushing in said washer, a back head having a pressure fluid channel therein, a back plate having an annular groove in its outer surface, said back plate having a port opening into said channel and said groove to supply pressure fluid to the groove, said bushing having a port cut away to form an annular space, ports and passages in said back head, cylinder and washer to permit pressure fluid to flow from said groove into the annular space in said washer, ports in the washer between said annular space and oil reservoir whereby fluid under pressure may flow into said reservoir when said throttle is open and when said throttle is closed the pressure of fluid into reservoir will flow back and carry oil into said annular space and said annular groove, for distribution to working parts of the drill upon reopening of the throttle.

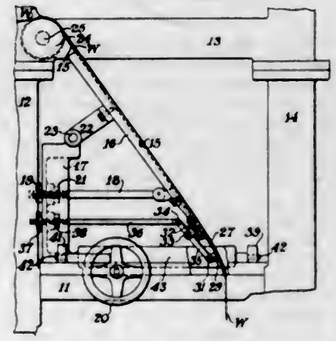
1,982,702
GYRO PILOT FOR AIRCRAFT
Elmer A. Sperry, Jr., Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 29, 1929, Serial No. 410,526
21 Claims. (Cl. 172—282)

1. In an automatic steering means for craft, a normally free gyroscope, means actuated therefrom for steering the craft, a magnetic compass, means for setting the course thereon, and automatic means operable by said magnetic compass



upon deviation of the craft from the course set with respect thereto, for correcting the gyroscope.

1,982,703
FORMER FOR PRINTING MACHINES
William J. Strain, Upper Montclair, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, temporary trustee
Application April 20, 1932, Serial No. 606,383
14 Claims. (Cl. 270—86)

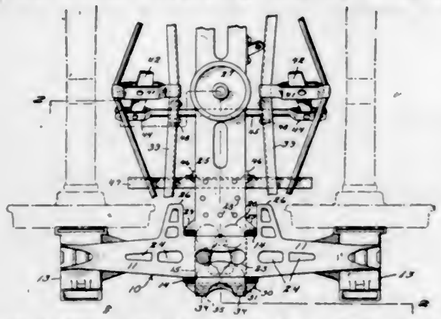


1. A former for a running web, said former being equipped with a flexible nose portion, and means for adjusting the curvature of said nose portion.

1,982,704
RAILWAY CAR TRUCK
Thomas H. Symington, Baltimore, Md., assignor to T. H. Symington & Son, Inc., Baltimore, Md., a corporation of Maryland
Application July 31, 1930, Serial No. 472,116
17 Claims. (Cl. 105—197)

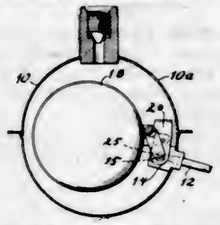
1. A truck comprising, in combination, side frames provided with spaced column guides defining window openings, a bolster located between and having its end portions extending through said window openings, and increased bearing means on the truck bolster and the side frames cooperating to insure squaring, said bearing means having their areas smooth, unbroken

or continuous and parallel throughout, and means on the bolster cooperating with the outer and



inner sides of the side frames for preventing relative lateral movement between the bolster and side frames.

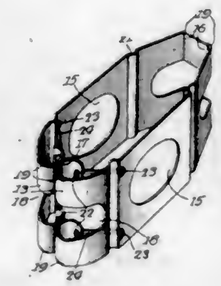
1,982,705
FLOAT VALVE
Frederic L. Tarleton, Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application May 20, 1933, Serial No. 671,983
2 Claims. (Cl. 137—103)



1. In a float valve construction, a supporting member having a valve orifice opening in one face thereof, a float, means including an arm pivotally connecting the float to the support, another relatively thin and flat arm connected to the first and movable in response to movement thereof across and substantially parallel to the orifice face of the supporting member, a valve member supported by said last mentioned arm and having a head portion between the arm and support and engaging the latter, and a reduced stem portion slidably projecting through and from the arm, whereby the valve is movable across the orificed surface of the support to and from a position in which it blocks the orifice, a leaf spring carried by said second mentioned arm and bearing against the stem portion of the valve to urge the head portion toward the orificed surface of the support, and a pivot pin pivotally securing both said arms to the support and projecting beside the spring to prevent undesired lateral movement thereof.

1,982,706
EXPANDING MEANS FOR PISTONS
Ralph R. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application October 21, 1932, Serial No. 638,865
8 Claims. (Cl. 309—12)

1. In combination with a piston skirt expander formed of spring metal and adapted to be inserted into a split skirt of a piston and having body and end portions adapted to engage with inner surfaces of the piston skirt, of means self-contained within the expander and connected to the body and end portions thereof respectively for maintaining the expander in contracted position so that the expander may be easily inserted into the skirt, said means being readily



detachable from the expander while in the skirt to permit the expander to spring into expanded operating engagement within the skirt.

1,982,707
PREPARED RESIN
Charles A. Thomas, Dayton, Ohio, assignor to Dayton Synthetic Chemicals, Incorporated, Dayton, Ohio, a corporation of Ohio
No Drawing. Application April 8, 1931, Serial No. 528,706
9 Claims. (Cl. 260—2)

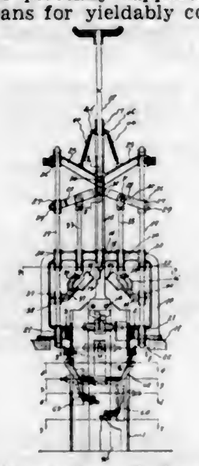
1. As a new product, the resinous reaction product of a mixture of unsaturated hydrocarbons containing as the essential ingredients a cyclic diolefine and an alkyl benzene in the presence of a metallic halide catalyst.

1,982,708
RESIN FROM PETROLEUM HYDROCARBONS
Charles A. Thomas and William H. Carmody, Dayton, Ohio, assignors to Dayton Synthetic Chemicals, Inc., Dayton, Ohio, a corporation of Ohio
Application March 16, 1932, Serial No. 599,161
14 Claims. (Cl. 260—2)

1. As a new product, a synthetic hydrocarbon resin obtained from an insoluble polymer produced during the reaction of a fraction of cracked petroleum distillate containing diolefines and olefines in the presence of a metallic halide catalyst, the insoluble polymer being a white gelatinous mass substantially completely insoluble in hydrocarbon solvents, and the hydrocarbon resin obtained directly therefrom by application of heat being substantially completely soluble in hydrocarbon solvents, and in drying oils.

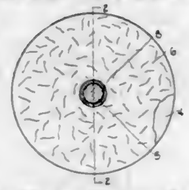
1,982,709
FRUIT AND VEGETABLE PEELER
Albert R. Thompson, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a corporation of California
Application December 6, 1927, Serial No. 238,045
24 Claims. (Cl. 146—43)

1. In a device of the class described, the combination of means for holding a fruit to be peeled, a pair of diametrically opposed peeling members, means for advancing the holding member to pass the article between the peeling members, each of the peeling members including a knife carrier, a curved peeling knife secured to the knife carrier, means for determining the depth of cut of the knife, means for pivotally supporting the knife carrier, and means for yieldably connecting to-



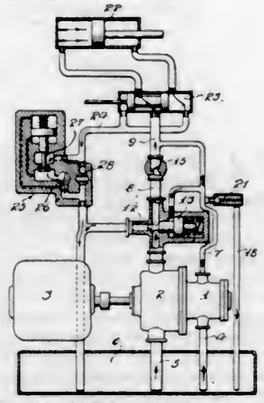
gether the knife carriers of the diametrically opposed knives.

1,982,710
REENFORCEMENT OF HIGH SPEED ABRASIVE WHEELS
Frank J. Tone, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application May 25, 1929, Serial No. 366,034
8 Claims. (Cl. 51—206)



2. A method of laterally reenforcing a unitary abrasive wheel which comprises depositing metal in the pores adjacent a lateral surface and on the lateral surface to form a continuous layer of metal rooted in the abrasive.

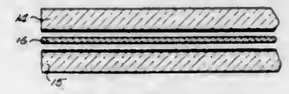
1,982,711
COMBINED RAPID TRAVERSE AND SLOW TRAVERSE HYDRAULIC SYSTEM
Harry F. Vickers, Detroit, Mich.
Application October 19, 1931, Serial No. 569,612
13 Claims. (Cl. 60—52)



1. A liquid circulating system comprising in combination a source of liquid supply, a liquid

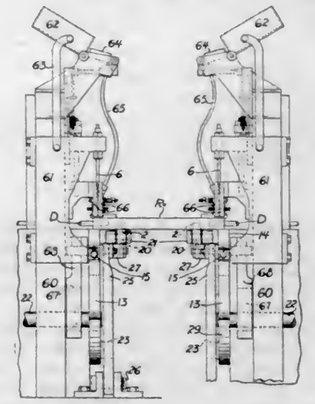
operated motor, a plurality of continuously operating continuously circulating pumps, conduits leading from said pumps for conducting liquid under pressure to said motor, a by-pass valve in one of said conduits adapted to conduct liquid from one of said pumps back to the source of supply, a connection between the discharge side of another pump and said by-pass valve for actuating said by-pass valve and relieving said first named pump only upon the building up of a predetermined pressure in the discharge line of said second named pump, and means for preventing the fluid pressure in the discharge line of said second pump from entering the first named pump or by-pass valve at any time.

1,982,712
PROCESS OF PRODUCING LAMINATED GLASS
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 17, 1929, Serial No. 414,722
1 Claim. (Cl. 49—81)



The process of producing laminated glass comprising two or more sheets of glass and one or more non-brittle membranes, consisting in preparing a bond-inducing medium by first mixing rubber and gelatin in the desired proportions, then dissolving ten to twenty percent of the rubber gelatin mixture in diethylene glycol, then applying said mixture to one or more of the laminations, arranging the laminations in proper superimposed relationship and subjecting the sandwich to the action of heat and pressure to produce a composite structure.

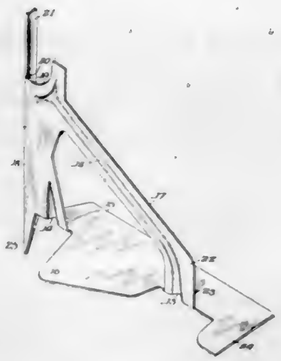
1,982,713
DOWELING MACHINE
Arthur R. Welch, Hoquiam, Wash., assignor to Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware
Application February 15, 1932, Serial No. 592,856
9 Claims. (Cl. 144—1)



1. In combination, in a doweling machine, means to support and guide a door rail for bodily transverse movement, means to advance the rail through the machine, means operable during its

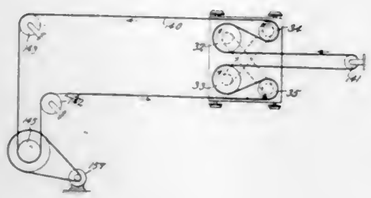
advance to secure a dowel in place therein, projecting from its end, and means timed with and spaced from the dowel-securing means to thereafter drive a nail through the rail and the rail-engaged end of the dowel.

1,982,714
ROAD CHAIR
William E. White, Chicago, Ill., assignor to Kalman Steel Company, Chicago, Ill., a corporation of Delaware
Application January 9, 1931, Serial No. 507,656
6 Claims. (Cl. 94—8)



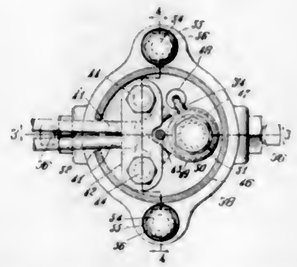
1. A road chair consisting of a section of sheet metal having a relatively broad flat base and a perpendicular post provided with a bar seat in its upper end, and a bracing arm extending diagonally from the base to the upper end of the post and integral with both.

1,982,715
TRAVELING AGITATOR AND THE LIKE
Arthur L. Whiteside, East Orange, N. J.
Application January 29, 1932, Serial No. 589,568
8 Claims. (Cl. 259—102)



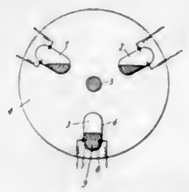
1. An agitator comprising a carriage having a rotatable member, a flexible driving means peripherally engaging said member, means cooperating with said driving means for causing said member to rotate at a peripheral speed differing from the linear speed of said driving means whereby lateral movement of said member takes place, pulleys mounted for rotation about fixed axes located beyond the opposite ends of the path of lateral movement of said member, said flexible driving means engaging said pulleys, an agitating device mounted on said carriage, and means whereby rotation of said member operates said agitating device.

1,982,716
CABLE OUTLET
Frederick B. Wiegand, Cleveland, and Bernard J. Schwendt, Lakewood, Ohio, and Otto S. Flath, Chicago, Ill.
Application April 30, 1931, Serial No. 534,052
4 Claims. (Cl. 247—1)



1. A cable outlet comprising a vertically disposed tubular standard for upward passage of the cable therethrough; a head piece of cup-form invertedly seated on the upper end of the standard and its sides telescoping the upper end of the standard and provided with an open top, means whereby the head piece is removably clamped to the standard; a conducting top plate removably secured on said head piece and having an opening for passage of the cable therethrough, the upper face of said plate having an enlargement and provided with a plurality of grooves to receive the end of the cable and the ends of conducting wires; means whereby said plate is insulated from the head piece; a clamp plate removably secured to said conducting plate whereby the wires are held in the grooves and in conducting relation with the conducting plate; and means for removably securing said clamp plate to the top plate.

1,982,717
LOW CAPACITY SWITCHING MEANS
Karl Wilhelm, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application April 25, 1931, Serial No. 532,785
In Germany July 16, 1930
1 Claim. (Cl. 250—16)

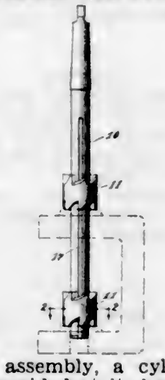


A switch structure adapted for use in connection with signalling apparatus provided with change-over elements for tuning the apparatus to different frequency ranges and having no capacity reactance to affect the tuning of said apparatus, comprising a rotatable member, a plurality of normally open pairs of contacts related to said elements, each pair of contacts being enclosed within an evacuated container, a conducting fluid within the container for closing any desired set of contacts in accordance with the rotation of the rotatable member thereby connecting the related interchangeable elements in said circuit.

1,982,718
ANTICARBURIZING COMPOUND
Walter G. Wittman, Indianapolis, Ind., assignor of ten per cent to Roger F. Marshall, Indianapolis, Ind.
No Drawing. Application October 18, 1933, Serial No. 694,115
11 Claims. (Cl. 148—4)

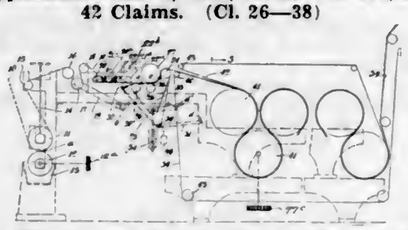
1. An anti-carburizing compound containing cupric chloride, oxalic acid, and a lead oxide.

1,982,719
TOOL
William A. Woerner, Elizabeth, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application January 27, 1934, Serial No. 708,601
2 Claims. (Cl. 77—58)



2. In a tool assembly, a cylindrical grooved holder, a tool provided at its bored portion, with an annular eccentric channel, locking means comprising a discontinuous annulus of substantially crescent shape, means on said locking means for engaging said grooved holder, said locking means having an inner contour concentric with and adjacent to said holder, and an outer contour eccentric with respect to said holder and adjacent to said eccentric channel.

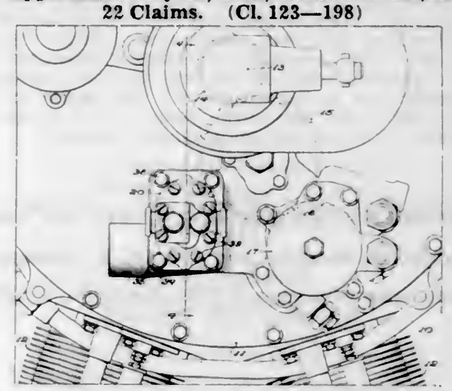
1,982,720
METHOD AND APPARATUS FOR TREATING CLOTH
Henry A. Woodhead, Graniteville, S. C.
Application June 6, 1933, Serial No. 674,495
42 Claims. (Cl. 26—38)



32. The process for treating cloth comprising performing a series of working operations on said cloth web to permit readjustment of the component yarns to a condition adapted to minimize change in superficial dimensions during a subequent laundering operation, said working operations comprising stretching the cloth web weftwise, delivering said cloth web to a zone wherein warp and weft tension of the cloth web is relieved, and within said zone subjecting the individual yarn components of the cloth web to a working action within the body of the web whereby the warp yarns are readjusted and compressed longitudinally and the weft yarns are readjusted and shoved together into closer parallel relationship, retaining the web within the zone to prevent surface wrinkling and subsequently subjecting the cloth web while still relieved from tension to drying condition whereby it is set in its reconstituted pre-shrunk condition.

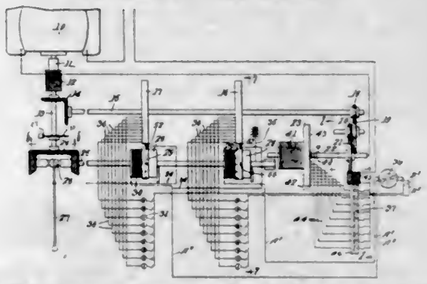
42. In a fabric treating apparatus suitable for modifying the superficial dimensions of said fabric, gripping means for working within the body of the fabric and retaining means operating immediately subsequent and adjacent to said gripping means operative to prevent surface flexure of said fabric and further operative to retard the movement of said fabric from said gripping means.

1,982,721
INTERNAL COMBUSTION ENGINE
Lionel M. Woolson, deceased, late of Detroit, Mich., by Emma F. Woolson, executrix, Bloomfield Village, Mich., assignor to Packard Motor Car Company, Detroit, Mich , a corporation of Michigan
Application July 19, 1930, Serial No. 469,132
22 Claims. (Cl. 123—198)



1. In a power transmission mechanism, driving and driven members and a removable power transmission unit adapted for insertion between the driving and driven members to connect them in driving relation, the driving and driven members being spaced axially by said unit when connected in driving relation thereby and said driving and driven members being formed for connection in direct driving relation with each other when the power transmission unit is removed.

1,982,722
COMPUTING MACHINE
Meade L. Zimmer, Cordoba, Argentina
Application October 23, 1930, Serial No. 490,693
18 Claims. (Cl. 235—61)

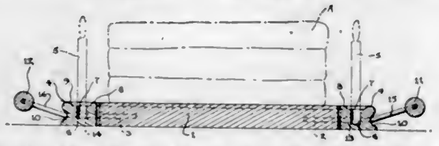


3. In a computing machine, the combination with a rotary insulating wheel having graduated

concentric contacts thereon and a stationary brush engaging said contacts, of a series of keys each in circuit with one of said contacts and adapted to close another contact in the circuit, a rotary electro-magnet in said circuit, a fixed permanent magnet adjacent thereto, a rotary soft iron wheel between said magnets having numerals thereon, and means for connecting said electro-magnet with said circuit and with a source of power when any key is depressed and as long as the corresponding concentric contact is closed, whereby the soft iron wheel will rotate with the electro-magnet until the concentric contact passes beyond the brush.

18. In a computing machine, the combination of a motor, a motor circuit, a main driving shaft, an electro-magnetic clutch between the motor and the driving shaft, said clutch being connected in series in the motor circuit, a shaft connected to be driven by the main shaft, a computing wheel of insulating material on the last named shaft, a series of metallic contacts carried by said wheel, said contacts being of graduated arcuate lengths, a brush connected with the motor circuit and adapted to be engaged by the metallic contacts, a series of keys, a series of circuits, each one in series with one of said contacts and in parallel with each other, and means whereby when any one of the keys is depressed it will complete one of the last named circuits, whereby the last named shaft will rotate until the contact on the wheel passes out of contact which will cause the motor circuit to open.

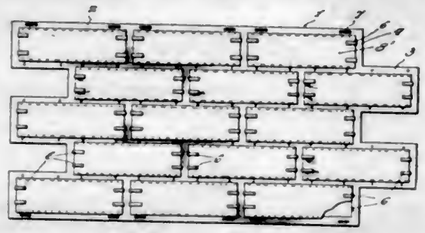
1,982,723
DECORATIVE DEVICE FOR CAKES OR THE LIKE
Herbert G. Bantleon and Charles A. Schubert, Rochester, N. Y.
Application December 9, 1933, Serial No. 701,674
2 Claims. (Cl. 240—10)



2. A decorative device of the character described comprising a ring shaped member adapted to surround a cake supporting member and having an annular series of sockets formed in the upper face thereof to receive candles, and having pairs of oppositely disposed sockets extending transversely through the ring member, and handles each having legs slidably fitted in said ring member sockets for extension inwardly beyond the inner wall of the ring member for engagement with a cake supporting member upon inward sliding movement of the legs of the handles to permit movement of the cake supporting means and the ring member together and whereby upon outward sliding movement of said legs from engagement with the cake supporting member the ring member may be removed by the handles from around the cake supporting member.

1,982,724
BRICK VENEER
Giuseppe Sam Benevento, Pittsburgh, Pa.
Application April 4, 1933, Serial No. 664,403
8 Claims. (Cl. 72—19)

1. Brick veneer comprising a frame stamped from a single sheet of metal and comprising flat top and bottom rails and vertical rails all disposed in the same vertical plane and defining brick-receiving recesses, and bricks fitted in said recesses and having flanges adapted to bear



against the rear faces of top and bottom rails, said frame being adapted to be positioned against the wall of a building whereby the bricks will be clamped between the wall and said frame.

1,982,725
SHOE AND METHOD OF MANUFACTURE
George Clarke and William Jackson Lund, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 4, 1931, Serial No. 572,985
In Great Britain December 8, 1930
13 Claims. (Cl. 12—146)



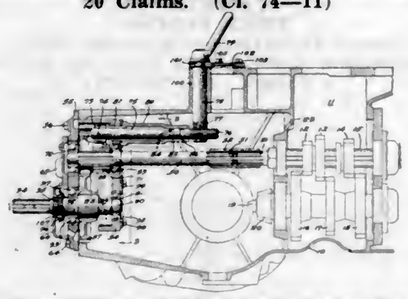
1. The method of stiffening portions of the uppers of shoes which comprises applying to a selected portion of the upper part of a shoe, which would otherwise come into contact with the foot of the wearer, a stiffening substance which is soft and pliable by reason of the presence of a solvent but will become stiff and hard upon evaporation of the solvent, applying over the stiffening substance a guard layer made of a substance which is insoluble in the solvent and will not adhere firmly to the hardened stiffening substance, and lasting the shoe while the stiffening substance is pliable.

1,982,726
PROCESS OF MANUFACTURING BIMETALLIC APPENDIXES FOR MONOMETALLIC BALANCES
Paul Ditisheim, Paris, France
Application March 26, 1932, Serial No. 601,426
In Switzerland April 2, 1931
10 Claims. (Cl. 29—178)



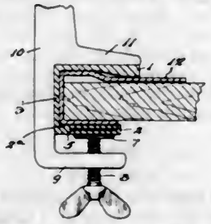
1. A method of making compensating balances that include a monometallic wheel used with a hairspring of Elinvar which includes the acts of first forming a bimetallic body in an extended flat form of an area from which a number of such attachments may be cut thereafter cutting pieces from such body of the required dimensions for an attachment, curving the pieces in correspondence with the curvature of the balance rim to which they are to be attached, and attaching the same to the monometallic wheel.

1,982,727
MOTOR VEHICLE
Harmon S. Eberhard, San Leandro, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 8, 1930, Serial No. 500,849
20 Claims. (Cl. 74—11)



2. In a motor vehicle, a transmission housing having an aperture therein, a plate adapted to be fixedly fastened over said aperture, a frame entirely supported by said plate and adapted to extend into said housing, and a power take-off shaft journaled in said plate and in said frame.

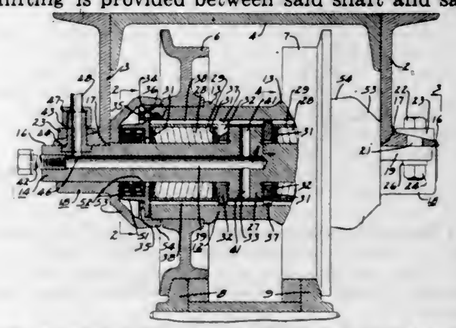
1,982,728
TABLE AND SHELF PROTECTOR
Lyda G. Ebert, Lakewood, Ohio, and Minnie K. Grable, Pittsburgh, Pa.
Application April 9, 1934, Serial No. 719,773
1 Claim. (Cl. 311—103)



As a new article of manufacture, a protector for tables, shelves, or the like of the class described, the same comprising an upper horizontal pad member and a lower horizontal pad member spaced therefrom a distance about equal to the depth of the top of the table to which the article may be applied, vertical connecting webs between the upper and lower horizontal pad members integrally formed therewith, said webs being spaced apart intermediate the ends of the pad members, and each of the webs being spaced from the extremities of the pad members to facilitate the flexing of the pad members relatively to each other in applying the same to a table top or the like for the purpose described, the under-surface of the upper pad member and the upper surface of the lower pad member being roughened by cross-grooving, and a reinforcing plate wholly embedded in the lower pad member between its upper and lower surfaces.

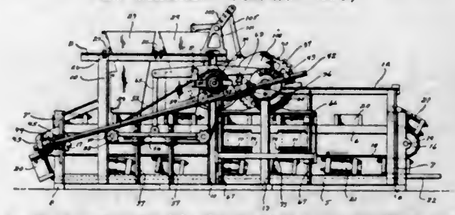
1,982,729
ROLLER
Harmon S. Eberhard, San Leandro, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application July 25, 1932, Serial No. 624,431
8 Claims. (Cl. 308—208)

1. A track roller construction comprising a frame, a shaft mounted against rotation on said frame, a hub, spaced load-supporting bearings including outer races mounting said hub on said shaft, a collar on said shaft between said spaced bearings, thrust plates between said bearings and said collar, said plates being spaced from said collar a small amount whereby relative axial shifting is provided between said shaft and said



hub, a spacer between said plates, and keeper plates secured to the ends of said hub, said outer races being held between said keeper plates and said thrust plates, the engagement of said keeper plates, races, thrust plates, and spacer preventing axial play of said thrust plates with respect to said hub.

1,982,730
CONCRETE BLOCK MACHINE
John Erkman, Peru, Ind.
Application April 27, 1932, Serial No. 607,854
12 Claims. (Cl. 25—100)

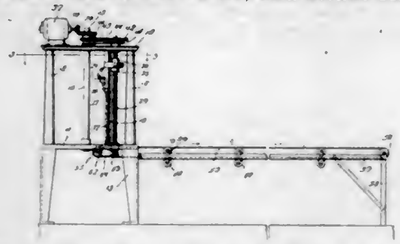


1. In a concrete block machine, an endless carrier, moulds mounted in spaced relation on the carrier, a hopper supported above a run of the moulds and having limited free vertical movement, means for successively aligning the moulds beneath the hopper, a jarring plate for supporting a mould when aligning beneath the hopper, and means for vertically reciprocating the jarring plate and causing the mould being filled to strike the hopper for jarring the hopper during filling of the moulds.

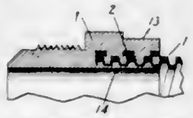
1,982,731
SLICING MACHINE
Willard B. Felton, Pueblo, Colo.
Application December 8, 1930, Serial No. 500,946
6 Claims. (Cl. 146—94)

1. In a slicing machine, a horizontal rotary cutter including a shaft, means for rotating the shaft, a feed screw mounted for rotation, a change speed device interposed between said shaft and feed screw, means for supporting the material to be sliced, including a stationary guide plate, an arm arranged transversely thereof and in spaced relation thereto and slidably mounted upon the feed screw, a plate carried by the arm for clamping said material between the plate and said stationary guide, means embodying said change speed device for rotating the feed screw from said shaft, means connecting the arm with the feed screw whereby the arm is moved longi-

tudinally of the feed screw to feed the material to said cutter, said cutter being of such shape that when rotated its cutting edge traverses the path of feed of the material, an endless carrier movable beneath the cutter, and means for imparting motion to the carrier from the feed screw and in timed relation with the cutter, whereby the slices as they are cut are automatically arranged in partly overlapping relation upon the carrier.

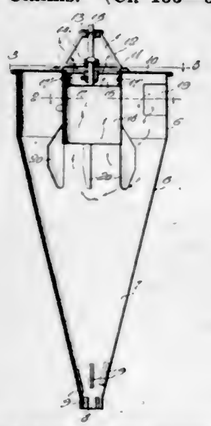


1,982,732
TUBE COUPLING
Charles W. Fletcher, New York, N. Y., and R. Harry Stone, Irvington, N. J., assignors to Titeflex Metal Hose Co., a corporation of New Jersey
Application July 12, 1929, Serial No. 377,723
6 Claims. (Cl. 285—74)



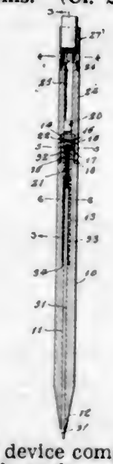
1. A coupling for flexible metallic tubing comprising an exterior metal portion having the metal molded to the outside surface of said tube and an integral interior metal portion having the metal molded to the inside surface of said tube.

1,982,733
AIR AND DUST SEPARATOR
Thomas Edgar Forster, Wichita, Kans.
Application December 8, 1933, Serial No. 701,524
5 Claims. (Cl. 183—87)



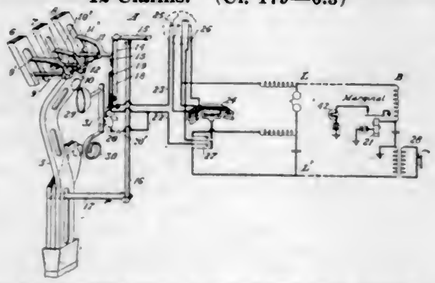
1. An air and dust separator comprising a vertically elongated casing having a dust outlet in its lower end and a substantially tangential dust and air inlet near its upper end, a vertical air discharge sleeve in the upper end portion of said casing, means rotatably mounting said sleeve on a vertical axis, and vanes for driving said sleeve, said vanes being carried by said sleeve, projecting from the periphery thereof, and constituting the sole impediment to air travel between said inlet and the lower end of said sleeve.

1,982,734
TRICK PENCIL
Samuel Albert Graves, Worcester, Mass.
Application March 1, 1934, Serial No. 713,565
4 Claims. (Cl. 272—27)



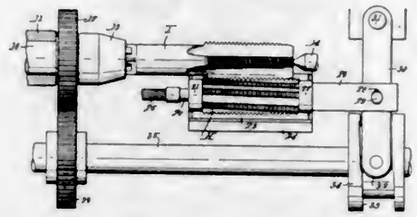
1. A detonating device comprising a body having a bore therethrough, a rod slidable within the bore, said rod having a cutting edge at one end thereof, the other end thereof projecting beyond said body, a firing pin within the bore, a detonating cap chamber aligned with the firing pin, means for projecting the firing pin, and a severable member secured to the body and firing pin and extended across the path of the cutting edge.

1,982,735
TELEPHONE COIN SYSTEM
William Jennings Heitsmith, Ridgefield Park, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 7, 1934, Serial No. 714,501
12 Claims. (Cl. 179—6.3)



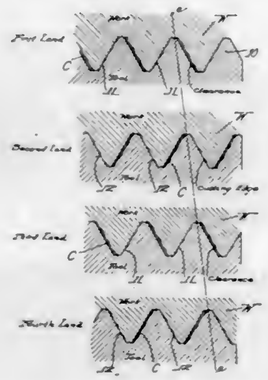
1. In combination, a telephone line circuit extending between a substation and a central station, a coin collecting device at the substation having a chute for receiving a coin, a signaling device actuated by coins passing through said chute and emitting sounds to indicate the coin has been deposited, means for transmitting such sounds to the central station over the line circuit, and switching means actuated upon the deposit of a coin for connecting said first mentioned means to the line circuit and for disconnecting said first mentioned means after the sounds have been transmitted.

1,982,736
APPARATUS FOR MAKING A TAP
Franklin Judge, Greenfield, Mass., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application November 30, 1931, Serial No. 578,038
Renewed May 11, 1934
5 Claims. (Cl. 10—154)



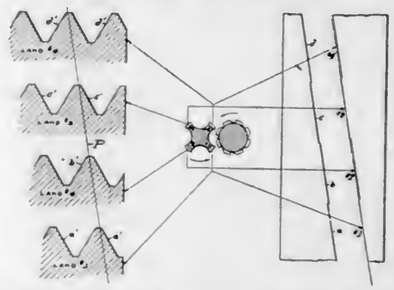
1. A machine for hobbing threading tools having cutting teeth disposed in a plurality of circumferentially spaced and axially extended lands, having in combination, separate means to rotatably support the work and a hob in operative relation, automatic means to relatively move the hob and work axially during a hobbing operation to maintain a certain helix line relation, and automatic means to relatively shift said hob and work axially slightly out of said first helix line relation after the teeth of one land have been hobbed, and to maintain said shifted relation during the hobbing of the next land, whereby the teeth on two successive lands are axially offset relatively to each other.

1,982,737
APPARATUS FOR REMOVING METAL IN A THREADING OPERATION
Franklin Judge, Greenfield, Mass., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application June 23, 1933, Serial No. 677,291
4 Claims. (Cl. 10—141)



1. A tool for cutting screw threads concentric with the axis of the tool, comprising a cutting head having integral therewith a plurality of partial and full cutting teeth extending along helical lines around said axis and disposed in lands formed substantially parallel to the axis of said tool, the partial cutting teeth being successively higher so as to cut successive increments along the center line of the cut groove, each tooth having a cutting side and a clearance side at the same inclination to the axis of the tool and all of the cutting teeth on one land providing such clearance at one and the same side of each cutting tooth on said land that each of said teeth clears on said side to the depth of the cut made by the preceding tooth of the previous land whereby all of the teeth in said first mentioned land have cutting side edges similarly disposed and whereby each cutting tooth has a cutting side edge positioned adjacent to the clearance side of the next adjacent tooth of the same land, and all of the cutting teeth on a succeeding land providing such clearance at the opposite side of each cutting tooth that each of said teeth clear on said side to the depth of the cut made by the preceding tooth of the previous land, thereby providing cutting side edges all adjacent to clearance sides but with said cutting side edges and clearance sides reversely disposed with respect to the cutting teeth of said first mentioned land.

1,982,738
METHOD OF MAKING A TAP
Franklin Judge, Greenfield, Mass., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Original application November 30, 1931, Serial No. 578,038. Divided and this application November 20, 1933, Serial No. 698,868
4 Claims. (Cl. 76—101)

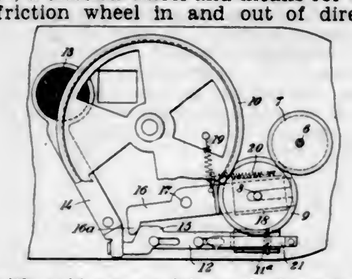


1. The method of producing a thread cutting device comprising providing an integral structure having a number of lands and intervening flutes alternating around a given axis, cutting simultaneously a series of grooves in one of said lands to form a row of teeth having apexes disposed along predetermined helical center lines extending around said axis, and then cutting simultaneously by means having substantially identical cutting contours, a series of grooves in the next adjacent land helically off-set with respect to the grooves of the first-mentioned land to form a row of teeth having the same contours as the teeth of the preceding land and apexes disposed along predetermined helical center lines extending around said axis and helically out of alignment with the center lines of the apexes of the teeth of the preceding land.

1,982,739
MOTION PICTURE APPARATUS
Willy Kaden and Ferdinand Stiefenhofer, Munich, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application May 28, 1932, Serial No. 614,210
In Germany June 5, 1931
5 Claims. (Cl. 88—17)

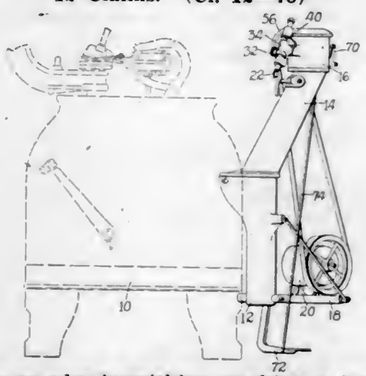
1. In a cinematographic apparatus in operative combination a power driven shaft, a rotating

shutter, a friction wheel and means for bringing said friction wheel in and out of direct con-



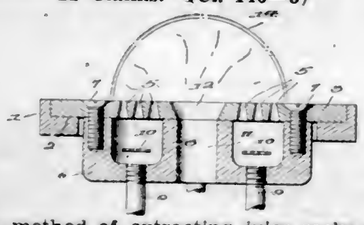
tact with said power driven shaft and said rotating shutter.

1,982,740
EDGE BURNISHING MACHINE
Frank Bycroft Keall and Charles Turner Jones, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 17, 1931, Serial No. 551,466
In Great Britain July 30, 1930
12 Claims. (Cl. 12—78)



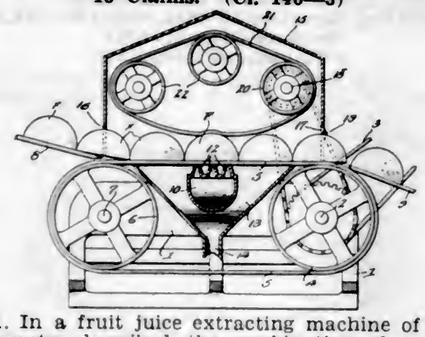
1. In an edge burnishing machine, a tool carrier, a tool holder mounted for movement in said carrier between a normal and another operative position, a slide mounted in said carrier for moving said holder between its operative positions, and means acting upon said slide for yieldingly resisting the movement of the holder from its normal position and for causing the slide to return said holder to its normal operative position from its said other operative position.

1,982,741
FRUIT JUICE EXTRACTOR
Edward T. Keenan, Frostproof, Fla.
Application May 17, 1930, Serial No. 453,396
11 Claims. (Cl. 146—3)



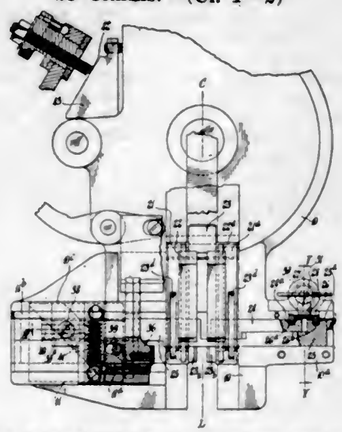
1. A method of extracting juice sacks or the like from citrus fruit, comprising subjecting the interior of the fruit to the action of air jets under a pressure greater than atmospheric to force the juice sacks from the skins.

1,982,742
FRUIT JUICE EXTRACTOR
Edward T. Keenan, Frostproof, Fla.
Application October 22, 1930, Serial No. 490,505
15 Claims. (Cl. 146—3)



1. In a fruit juice extracting machine of the character described, the combination of a conveyor having openings therethrough and adapted to receive fruit sections on one side thereof, and means located on the opposite side of the conveyor directing jets of gaseous fluid under pressure through the openings therein for removing the juice and juice sacs from the fruit.

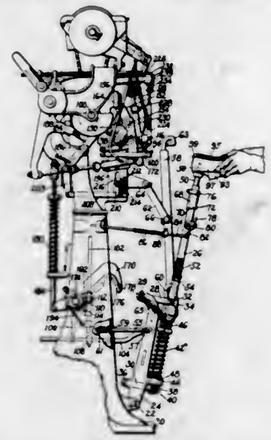
1,982,743
WIRE STITCHING OR STAPLING MACHINE
Oscar Kleinschmit and Karl Kugler, Leipzig-Plagwitz, Germany, assignor to Gebruder Brehmer, Leipzig-Plagwitz, Germany, a German firm
Application March 1, 1933, Serial No. 659,214
In Germany March 1, 1932
23 Claims. (Cl. 1—2)



1. In a wire stitching or stapling machine the provision of staple forming and driving members each of which is divided, the divisions being arranged in oppositely disposed groups and adapted to be displaced relatively to each other to vary the size of the staple inserted into the work.

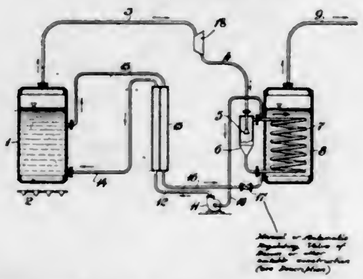
1,982,744
ASSEMBLING MACHINE
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1932, Serial No. 649,680
53 Claims. (Cl. 12—4)

1. In a machine for operating on an end of a pre-welted upper, the combination of a support for a last, wipers having a fixed elevation and arranged in a plane substantially parallel to the plane of an end of the last bottom, welt pressing means, means for actuating the pressing means to bring the welt into engagement with



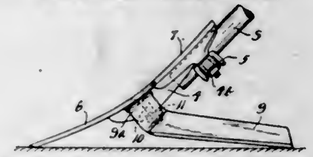
the wipers, means for thereafter actuating the last support to bring the upper firmly into engagement with the wipers, and means for thereafter actuating the pressing means to apply further pressure to the welt.

1,982,745
METHOD OF TRANSFORMING HEAT ENERGY
Ernst Koenemann, Berlin-Halensee, Germany, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany, a corporation of Germany
Application January 29, 1929, Serial No. 335,982
In Germany January 31, 1928
13 Claims. (Cl. 60—38)



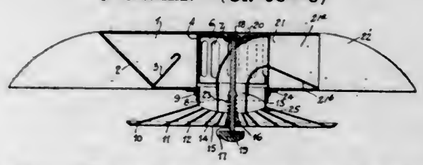
1. The method of transforming heat from a heated zone which consists in picking up said heat by introducing into said heated zone a liquid material comprising an apposed gas chemically associated therein, said material being adapted to endothermally dissociate into said gas and a residual decomposition resultant, utilizing a part of the sensible heat of said gas to lower its temperature, extracting a part of the sensible heat of said residual decomposition resultant to lower its temperature, effecting chemical reassociation of said cooled residual decomposition resultant and gas to recover the exothermal heat of association thereof as sensible heat, utilizing the sensible heat thus created, and returning said liquid material with its residual heat energy for re-dissociation in said heated zone.

1,982,746
CULTIVATOR SHOVEL, WITH SWEEP ATTACHMENT
John R. Kovar, Anoka, Minn.
Application October 9, 1933, Serial No. 692,789
3 Claims. (Cl. 97—205)



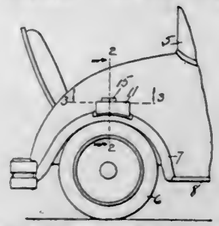
1. In a cultivator shovel, an attachment plate adapted to be secured substantially longitudinally to the shank of a cultivating machine, a cultivator share detachably connected with the front of said plate and disposed flush thereagainst, a pair of integrally formed rearwardly diverging wing blades having an intermediate connecting portion at the forward end thereof and disposed between said share and said plate, one of said last mentioned members having a recess for accommodating said connecting portion and having abutment shoulders for restraining said blades against swingable displacement, and means for clamping said share and plate together with the connecting portion of said pair of wing blades secured therebetween.

1,982,747
VENTILATING DEVICE
Franz Josef Kurth, Cologne-Dellbruck, Germany
Application April 20, 1933, Serial No. 667,017
In Germany October 29, 1932
9 Claims. (Cl. 98—8)



1. A ventilating device comprising a chamber closed at its top, sides, bottom and rear and open at its front, a downwardly and rearwardly inclined screen at the front of said chamber, and a conduit for flow of air from said chamber, the side walls of the chamber extending forwardly beyond said screen and the space between said side walls in front of said screen being unobstructed.

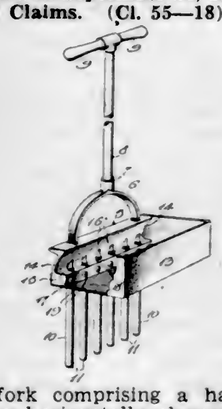
1,982,748
VEHICLE STEP
Sebastiano Lamonica and Elio R. Caruso, Hartford, Conn.
Application August 24, 1933, Serial No. 686,576
8 Claims. (Cl. 280—166)



1. In combination with the rumble seat of an automobile, a step movably mounted to overlie said seat, a step button mounted on the step

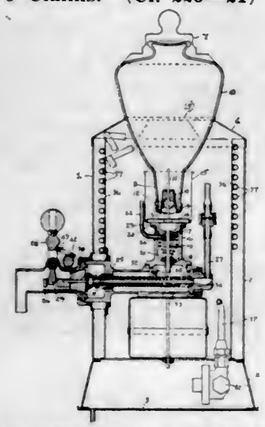
provided for entrance to the rumble seat opening, and an operative connection between said button and step to effect movement of the latter by pressure upon the former.

1,982,749
TURF FORK
Edward Leeberg, Roselle, N. J.
Application April 27, 1933, Serial No. 668,271
Renewed September 24, 1934
7 Claims. (Cl. 55—18)



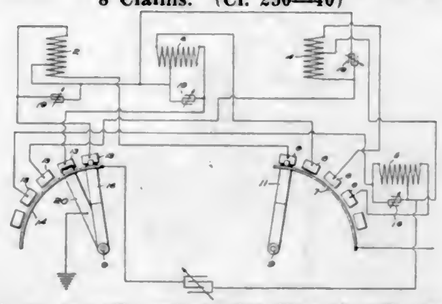
1. A turf fork comprising a handle-carried head having a horizontally elongated substantially vertical web, and a plurality of core-removing tines of tubular form throughout their lengths and having open upper and lower ends, said upper ends being secured at one side of said web along the lower portion of the latter, said web being laterally inclined over the open upper ends of said tines to laterally deflect the earth cores discharged through said upper tine ends.

1,982,750
DISPENSING APPARATUS
Harry J. McCue, Cleveland, Ohio
Application December 1, 1931, Serial No. 578,259
9 Claims. (Cl. 225—21)



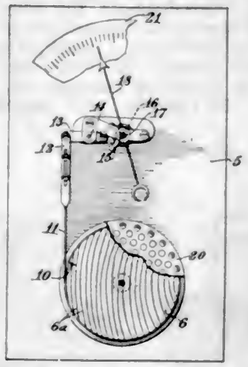
1. In a beverage dispensing apparatus, the combination of a mixing chamber, a dispensing faucet positioned on the end of said chamber, an operating valve for said faucet, a syrup reservoir, an auxiliary chamber connecting said reservoir to said mixing chamber, valve means for delivering the contents of said auxiliary chamber to said mixing chamber, and means for actuating said valve means connected to and operated by said faucet valve.

1,982,751
COIL SELECTING AND INDICATING MEANS FOR SHORT WAVE RADIO APPARATUS
James Millen, Malden, Mass.
Application November 28, 1931, Serial No. 577,789
8 Claims. (Cl. 250—40)



1. In a radio set a plurality of coils each adapted for use in connection with the tuning of the set over a different range of signals, and a switch device operable selectively to connect and disconnect each coil as desired for operation as a part of the set and selectively to ground that coil which would have a natural period interfering with the coil in operation unless grounded.

1,982,752
HYGROMETER
Harry Y. Norwood, Rush, and Everett E. Newell, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 6, 1932, Serial No. 615,528
2 Claims. (Cl. 73—24)

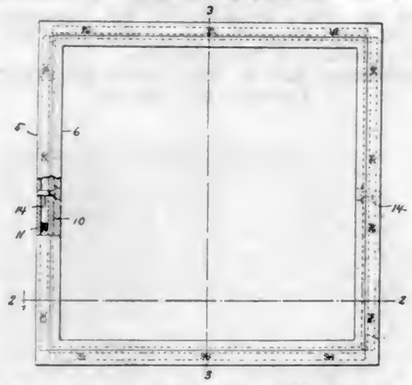


1. In a device of the class described, a member of hygroscopic material fixed against rotation, said member having a relatively large cross-sectional area, a flexible element connected at one end to said member and engaging a portion of the periphery thereof, and indicating means arranged to be actuated by the movement of the free end of said element.

1,982,753
REVERSIBLE WINDOW
Elmore Henry Panter, Louisville, Ky.
Application May 2, 1933, Serial No. 669,003
1 Claim. (Cl. 20—48)

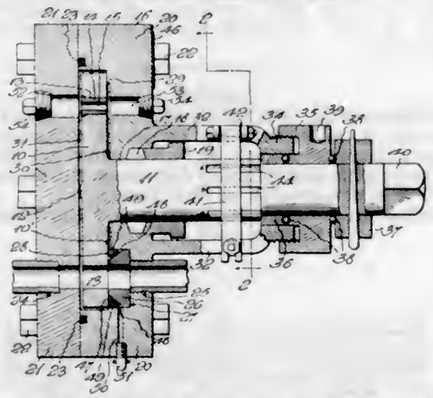
In a reversible window, a sash including an outer frame and an inner frame pivoted within said outer frame; each frame having the sides thereof integral one with the other at the corners of the frame, said outer frame having each

of its sides hollow, and each of said sides having a slot on its inner face, a thin flat strip housed within each of the said sides of the outer frame and provided on one face thereof with a bead projectable through said slot, springs arranged in the hollows of the said sides of the said outer frame and engaging said strips for



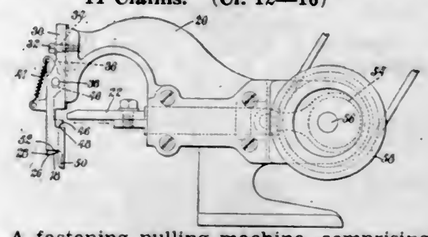
yieldably retaining said strips against the slotted faces of said sides, and said inner frame having on the inner faces of its sides grooves with which said beads are engaged for releasably retaining the inner frame against swinging movement and to provide a weatherproof joint between corresponding sides of the inner and outer frames.

1,982,754
ROTARY DISK ORIFICE VALVE
Bert Lawrence Peterson, Wooster, Ohio
Application September 26, 1933, Serial No. 691,043
2 Claims. (Cl. 251—86)



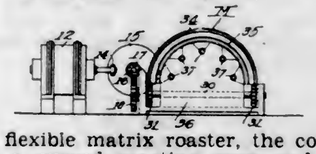
2. In a disk valve, a rotatably mounted disk having an opening from one of its sides to the other, a removable bushing in said opening, a casing having side walls at opposite sides of said disk and formed with an inlet and an outlet respectively for communication with said bushing, one of said side walls being provided with an opening through which said bushing may be removed and the other side wall having an opening for receiving a tool by which the bushing may be forced from the disk opening, the disk and said other side wall being so closely positioned that the bushing cannot fall between them when it is being forced from the disk opening into the bushing-removal opening, and means for normally closing said bushing-removal and tool-receiving openings.

1,982,755
STAPLE PULLING MACHINE
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 9, 1932, Serial No. 616,165
11 Claims. (Cl. 12—16)



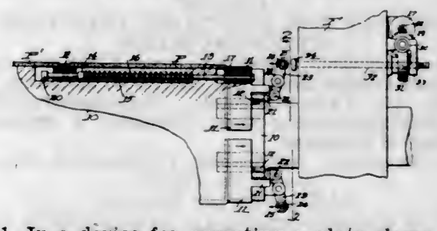
1. A fastening pulling machine, comprising a frame, a pulling tool mounted on the frame for pivotal movement and for movement heightwise of the frame, and a movable member operable upon heightwise movement of the tool to cause oscillation of the tool for pulling a fastening from work presented to the tool.

1,982,756
MATRIX ROASTER
Oscar Charles Roesen, Brooklyn, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of New York
Original application September 2, 1926, Serial No. 133,161. Divided and this application October 2, 1930, Serial No. 485,913
3 Claims. (Cl. 34—12)



1. In a flexible matrix roaster, the combination with a curved roasting oven and means for supplying it with heat, of a conveyor for the matrices having a series of rests oppositely located and curved for holding the opposite ends of the matrices so that the matrices will be held in curved condition with their centers out of contact with the elements of the conveyor to allow free circulation of heated air against their concave surfaces.

1,982,757
PRINTING PLATE CLAMP OPERATING MEANS
Oscar Charles Roesen, Brooklyn, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application December 18, 1930, Serial No. 503,208
9 Claims. (Cl. 101—378)



1. In a device for operating a plate clamp on a cylinder of a printing press, the combination of a rod mounted on the frame of the press, power-operated means for moving the rod lon-

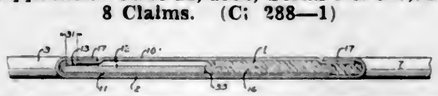
gitudinally toward and from the cylinder and means supported by the cylinder and separate from the clamp adapted to be engaged by said rod for withdrawing the plate clamp.

1,982,758
ELECTRIC PLUG
Michael A. Rollman, Mount Joy, Pa.
Application July 17, 1933, Serial No. 680,844
5 Claims. (Cl. 173—332)



1. In a device of the character described, a hollow body member having a vertical division wall extending from side to side and a pair of ears projecting upwardly from its edge walls, all said parts being formed integral of an insulating material, a cap or top member formed integral of an insulating material, and having a central passage for the wire cords and cavities in its end walls adapted to receive and fit the aforesaid upstanding ears, the bottom edges of the side walls of the cap abutting the top edges of the side walls of the body, and fastening devices extending through said ears and into the body of the cap.

1,982,759
GASKET
Carl G. A. Rosén, Oakland, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application June 11, 1932, Serial No. 616,640
8 Claims. (Cl. 288—1)

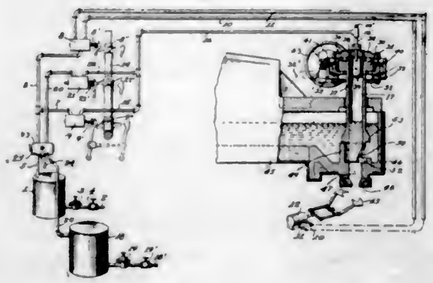


1. A gasket having an aperture and comprising spaced sheets of material forming a jacket, a laminated reenforcing structure in said jacket and about said aperture, said reenforcing structure comprising sheets of metal one of which extends beyond another, and fibrous material in said jacket and on the extending portion of said one sheet.

1,982,760
SOLVENT FOR PREPARING CELLULOSE ETHER LACQUERS
Leo Rosenthal, Vohwinkel, near Elberfeld, and Otto Leuchs, Elberfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application February 10, 1930, Serial No. 427,423
12 Claims. (Cl. 134—79)

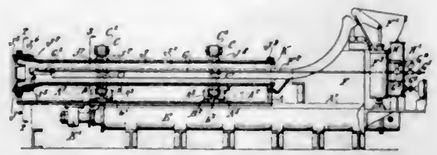
2. A lacquer comprising a water-insoluble cellulose ether of the group consisting of alkyl-, aralkyl- and alkyl-aralkyl-cellulose dissolved in a solvent consisting of more than one volatile aromatic hydrocarbon having different evaporation velocities and more than one volatile aliphatic alcohol, the hydrocarbons and alcohols being liquid at about 25° C.

1,982,761
GLASS FEEDER
James W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application May 31, 1932, Serial No. 614,579
6 Claims. (Cl. 49—55)



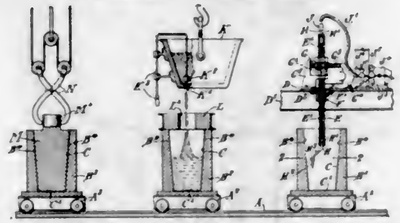
1. A pneumatic glass feeder including a flow spout having a flow orifice in the bottom thereof, a pressure and vacuum tube projecting into the glass in alignment with the flow orifice, means for periodically increasing and decreasing the pressure in the tube, a baffle wall encircling the lower end of the tube and provided with an opening, the lower portion of the tube provided with an opening adapted to align with the opening in the baffle wall, means for rotatably adjusting the tube to regulate the volume flow of glass through said openings, the cooperating sides of said openings being inclined toward each other.

1,982,762
METHOD FOR CASTING METALLIC ANNULI
Norman F. S. Russell and Frederick C. Langenberg, Edgewater Park, N. J., assignors to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey
Application January 10, 1934, Serial No. 706,036
2 Claims. (Cl. 22—200)



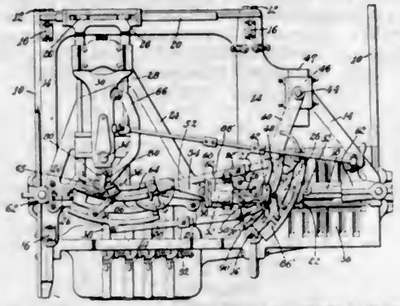
1. In the casting of metallic annuli in molds formed of compacted, non-conducting and refractory materials, the method steps which consist in depositing upon the inner surface of the so constructed mold a loosely adherent and loosely coherent coating of finely divided dry coating material by progressively directing against consecutive portions of the mold to be coated a jet of a dry carrier gas charged with dry finely divided particles of mold coating material, then pouring molten metal in contact with the dry pulverulent coating of the mold to form an annulus and, after the metal has solidified, withdrawing the annular casting from the mold.

1,982,763
METHOD OF CASTING INGOTS
Norman F. S. Russell and Frederick C. Langenberg, Edgewater Park, N. J., assignors to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey
Application January 22, 1934, Serial No. 707,750
2 Claims. (Cl. 22—192)



1. In the casting of metal ingots in metallic molds the method steps which consist in building up upon the walls of the mold a loosely adherent and loosely coherent coating of finely divided dry mold coating material by progressively directing against successive contiguous areas of the upright surface of the mold a jet of a carrier gas charged with finely divided dry particles of mold coating material, then pouring molten metal into the so coated mold and after the ingot has solidified withdrawing the ingot from the mold.

1,982,764
PATTERN GRADING MACHINE
George F. Ryan, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 3, 1930, Serial No. 432,866
57 Claims. (Cl. 33—23)



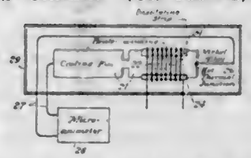
1. In a pattern reproducting machine, four primary instrumentalities, viz., a model holder, a work holder, a model follower holder and a tool holder, grading mechanism connecting them constructed and arranged to produce actual movement of and relative movement between two of them to reproduce a model in the model holder in a work piece in the work holder, and an additional driving connection located between the last two said instrumentalities for imparting to one of said four instrumentalities an additional reproductional movement in a certain direction, said last named mechanism being driven by relative movement of the two said relatively moving primary instrumentalities while both are actually moving.

42. In a pattern reproducing machine, four primary instrumentalities, viz., a model holder, a work holder, a model follower holder and a tool holder, arranged for relative movement, a grading mechanism connecting them and controlling the relative movement to reproduce a model in the model holder in a work piece in the work holder, an additional member connecting two actually moving said instrumentalities, and a second member operated by said additional connecting member and connected to a said primary instrumentality, to impart to the last named primary instrumentality a reproductional movement in the direction of said actual movement.

1,982,765
ARTIFICIAL MASS
Curt Schönburg, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 9, 1933, Serial No. 670,213. In Germany May 23, 1932
7 Claims. (Cl. 260—2)

1. The process which comprises treating polymerized vinyl chloride in the presence of an organic solvent or swelling agent with chlorine.

1,982,766
ELECTRICAL MEASURING DEVICE
Ernst Hofer Schreiber, Los Angeles, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 26, 1933, Serial No. 691,074
2 Claims. (Cl. 136—4)



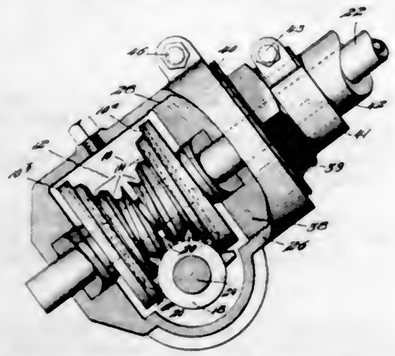
1. In an integrating device for signaling currents, a metal member, a heating coil for carrying the signal currents adjacent to the metal member and unsymmetrically located with respect to it, and a second different metal element connected to the first near the coil to form a thermo-junction circuit.

1,982,767
CURL PRESSER
Nathan L. Solomon, Brooklyn, N. Y.
Application July 26, 1934, Serial No. 736,980
10 Claims. (Cl. 132—40)



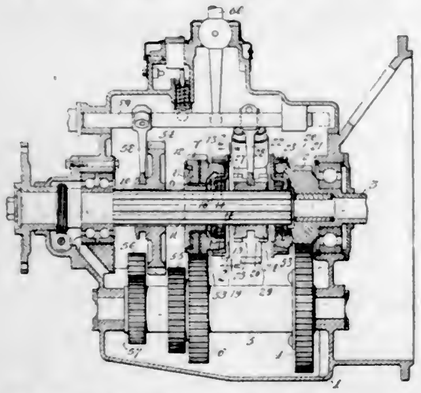
1. In a curl presser, pivotally connected juxtaposed complementary clamping jaws each having a relatively wide terminal manipulatable portion, relatively wide diverging arms integrally extending from a manipulatable portion of each of said jaws, each of the latter comprising converging relatively wide arms integrally connected to the diverging arms of a respective jaw, said jaws each including an externally disposed centrally arranged hollow annular bead having a continuous channel facing inwardly, the channels of said jaws defining a housing for removably receiving a relatively thick portion of a curl interposed between said jaws, arcuate brace means integral with said beads, said brace means having opposing convex surfaces adapted to compress intermediate attenuated portions of said curl and spring means acting against said terminal manipulatable portions for normally holding said jaws closed.

1,982,768
GEARING
Robert Stevenson, West Barrington, R. I., assignor to M & S Manufacturing Co. Inc., Providence, R. I., a corporation of Rhode Island
Application September 15, 1930, Serial No. 481,953
4 Claims. (Cl. 74—458)



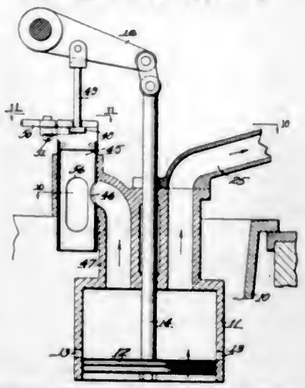
1. In combination a worm having a partially torical concavity in the side wall thereof having a cam groove in said concavity along the arcuate line of said concavity with the outer side wall thereof undercut toward the outer edge of said groove relative to planes perpendicular to the axis of the worm, said cam groove extending on both sides of the plane through the minimum diameter of the worm, and a cooperating worm gear of a radius substantially equal to that of the concavity having a tooth on the periphery thereof riding in said groove and having curved side walls to form line contacts with the side walls of the groove.

1,982,769
CLUTCH MECHANISM FOR TRANSMISSIONS
Earl A. Thompson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 25, 1927, Serial No. 186,454
22 Claims. (Cl. 192—53)



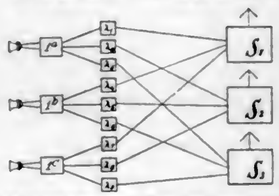
1. A power transmission including power transmission elements one of which is shiftable relative to the other, means for synchronizing the speeds of the elements, a swinging member adapted to operate the synchronizing means, a shifter rod adapted to operate the shiftable element and swinging member, and a pair of slidable plungers carried by the swinging member and engageable with the shifter rod at spaced points.

1,982,770
CONSTANT VOLUME PUMP
Paul L. Tollison, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application July 17, 1929, Serial No. 378,823
2 Claims. (Cl. 103—41)



1. In a pump, the combination with a cylinder, a piston therein, a spout for delivering liquid from the cylinder, an arm for reciprocating the piston, a measuring well extending up from the cylinder and an oscillatory cylindrical valve constituting means for controlling the discharge of metal from the top of said measuring well, of means for operating said arm for raising and lowering the piston and means operated by the motion of the piston for reciprocating said valve, to control the quantity of liquid delivered, said valve being manually rotatable to render the pump ineffective.

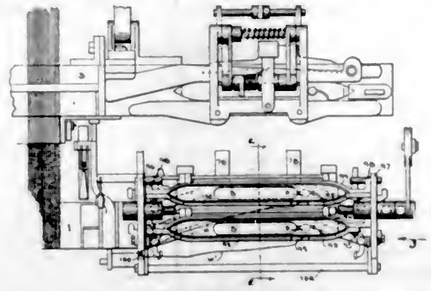
1,982,771
HIGH FREQUENCY WAVE MODULATION
Manfred von Ardenne, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Lowe, Berlin-Steglitz, Germany, a company of Germany
Application November 23, 1931, Serial No. 576,850
In Germany November 22, 1930
5 Claims. (Cl. 250—17)



1. In an arrangement for transmitting one or more programs, two or more ultra-short wave transmitters, means for generating several groups of intermediate frequencies, means for modulating each of said groups by the same program, each of said ultra-short wave transmitters being modulated by one intermediate frequency of each of said several groups of intermediate frequencies.

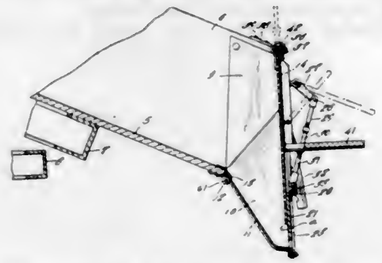
1,982,772
MAGAZINE FOR SHUTTLE CHANGING LOOMS
Lewis S. Vose, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application April 4, 1932, Serial No. 603,051. Divided and this application May 24, 1933, Serial No. 672,668
4 Claims. (Cl. 139—232)

1. In a multicolor shuttle changing loom, a pair of spaced end magazine forming plates, and a plurality of similar reserve shuttle magazine cells located between said plates, each cell being formed of a single member extending between the plates



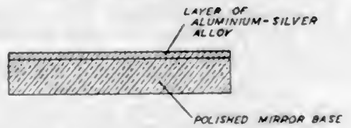
and two other members spaced from each other to define a thread slot and fixed with respect to the single member.

1,982,773
SPREADER ATTACHMENT FOR TRUCKS
Arthur L. Walborn, Reading, Pa.
Application June 6, 1933, Serial No. 674,577
2 Claims. (Cl. 275—2)



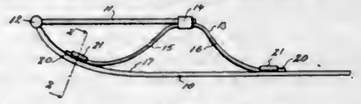
2. A spreader attachment for trucks comprising a hopper, said hopper having an outlet in the bottom thereof, a valve for the outlet, a shaft rotatably supported on the said hopper and provided with a hand lever at one end thereof, a lever extending laterally from the said shaft, a projection on the valve, and a ratchet bar suitably connected at one end to the last mentioned lever and having its teeth engaged with the projection on the valve.

1,982,774
MIRROR
Fritz Winkler, Ludwigshafen - on - the - Rhine, Ernst Hochheim, Heidelberg, and Friedrich Bergmann, Mannheim, Germany, assignors of I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application April 21, 1930, Serial No. 446,183
In Germany April 27, 1929
4 Claims. (Cl. 88—1)



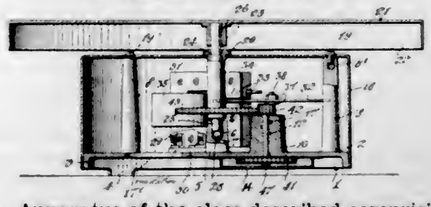
1. As a new article of manufacture, a mirror comprising a reflecting layer which consists of silver and aluminium and is deposited on a polished mirror base, said mirror having a high and uniform reflection power for all wave lengths.

1,982,775
BUMPER
Villor P. Williams, Baltimore, Md., assignor to Estelle P. Williams, Baltimore, Md.
Application May 7, 1934, Serial No. 724,402
24 Claims. (Cl. 293—55)



1. A bumper comprising an inner member and an outer member, a plurality of spring arms associated with one of said members and each having an end thereof slidably connected to the other of said members, each of said connections comprising resilient guide means engaging the longitudinal side edges of said spring arms and means for restraining separating movement of said spring arms relative to said resilient guide means and said outer member.

1,982,776
DISPLAY TURNTABLE
Erwin Woerner, North Caldwell, N. J.
Application March 20, 1934, Serial No. 716,444
8 Claims. (Cl. 74—425)



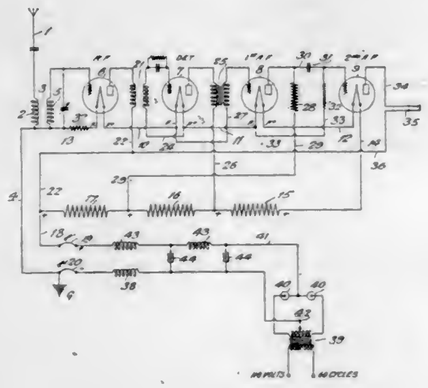
1. Apparatus of the class described comprising, a circular base plate having projecting upwardly therefrom an axial bearing sleeve, an elongated bearing block, and a series of posts adjacent its marginal edge, a circular casing supported by said posts and having an axial bearing collar in the top thereof, a driven shaft journaled at its opposite ends in said sleeve and collar, respectively, and extending at one end above said casing, a turn table mounted on the projecting end of the shaft, and a motor drive for said shaft including, drive and jack shafts, respectively, journaled in said block and projecting above said block and below said plate, intermeshing gears on the lower ends of said drive and jack shafts, and a gear drive from the upper end of said jack shaft to said driven shaft.

1,982,777
CURRENT AMPLIFYING SYSTEM
Julius Gourgues Aceves, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 13, 1924, Serial No. 731,818
Renewed April 12, 1934
13 Claims. (Cl. 250—27)

1. In a vacuum tube system for amplifying electric currents, a plurality of vacuum tubes coupled in cascade, the filaments of said tubes being connected in series with one another, a single source of direct current for said entire system connected to the series connected filaments to heat the same, the grid return of each tube being connected to such a point in the circuit of the series connected filaments as will produce the desired bias on the grid, resistance means included in series with said connected filaments and said source of current for impress-

ing the proper voltage across the filaments, and means for utilizing the voltage drop across said series connected resistance means for supplying plate current to said tubes.

12. In radio receiving apparatus for universal operation on direct as well as alternating current power supply the combination of a plurality of electron tubes each having a cathode, an anode, and a grid, a series circuit for heating said cathodes, a resistance in series in said circuit, a power supply circuit adapted to be con-



nected to a source of alternating as well as direct current for supplying uni-directional current for said apparatus, filter means for smoothing out the uni-directional current delivered to said apparatus, and means connected to obtain direct potential for each of said anodes and grids from the uni-directional current from said filter means, whereby said electron tubes may be operated at a proper point on the characteristic curves thereof independently of the character of said power supply.

1,982,778

CELLULOSE DERIVATIVE ARTICLES AND METHOD OF PREPARING THE SAME

Bjorn Andersen, Maplewood, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application May 12, 1932, Serial No. 610,972

25 Claims. (Cl. 18—57)

1. The method of rendering surfaces containing a derivative of cellulose less tacky comprising incorporating in surfaces of plastic compositions containing a derivative of cellulose a solid, insoluble relatively transparent material.

1,982,779

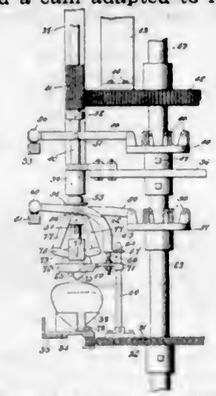
TOMATO CORING MACHINE

Charles H. Ayars, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J., a corporation of New Jersey

Application March 29, 1932, Serial No. 601,808

7 Claims. (Cl. 146—52)

3. In a tomato coring machine, a rotating unit, a gear within the unit, hinged cutters unitedly forming substantially a cone journaled upon the unit, means engaging the gear to impart continuous planetary motion to the cutters, a cam adapted to raise and lower the cutters, a gauge adapted to engage the top of a tomato when lowered and coacting to close the cutters while being lowered, and a cam adapted to raise the cutters



while closed, said first cam embodying means to open the cutters as a step subsequent to the raising.

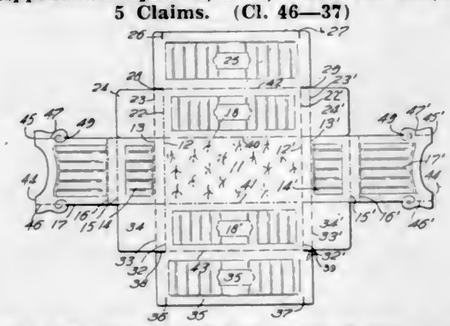
1,982,780

COMBINATION CONTAINER

Albert I. Behrens, New York, N. Y., assignor to Trautmann, Bailey & Blampey, Inc., New York, N. Y., a corporation of New Jersey

Application April 14, 1933, Serial No. 666,108

5 Claims. (Cl. 46—37)



1. A blank adapted to be formed into a container comprising a main portion, a side extension on each side of said portion, a notched lateral extension on each of said side extensions, a panel carried by each end of said main portion and a notched end flap on each of said panels shaped to simulate the ends of a toy, said blank being ornamented on one side to give parts thereof the appearance of corresponding parts of a toy and characterized by said flaps when in crib forming position being spaced apart a distance less than the length of said notched lateral side extensions whereby the parts are fastenable together through the medium of their notches.

1,982,781

SHOCK ABSORBING SOCKET

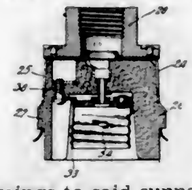
Reuben B. Benjamin, Chicago, Ill., assignor to Benjamin Electric Mfg. Co., Des Plaines, Ill., a corporation of Illinois

Application May 19, 1930, Serial No. 453,471

3 Claims. (Cl. 173—358)

2. A shock absorbing socket construction comprising a resiliently supported lamp holder having shell and center contacts, said shell contact having an inwardly extending flange at its upper end, and means for resiliently supporting said lamp holder and supplying current to said contacts comprising a plurality of supporting leaf

springs of sheet metal, one spring having one end electrically connected with the center contact and another spring having one end electrically connected with the shell contact, supporting means and means for securing the other



ends of said springs to said supporting means at points spaced about the axis of the shell contact and lying outside a cylindrical surface containing the shell contact whereby they are readily accessible for the securing operation.

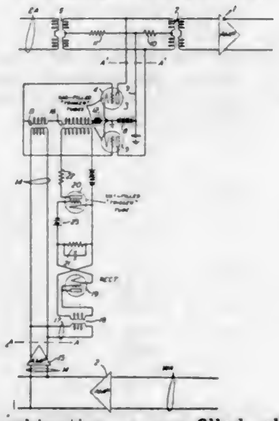
1,982,782

GAS-FILLED TUBE CIRCUIT

Bjorn G. Bjornson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 12, 1932, Serial No. 592,474

7 Claims. (Cl. 178—44)



2. In combination, a gas-filled electric discharge device having an input and an output circuit, said device being normally inoperative, means for impressing alternating current signals on said input circuit in such manner as to render said device operative, and means responsive to cessation in the supply of alternating current signals to said input circuit to apply momentarily a negative voltage thereto sufficient to restore said device to its normal inoperative condition.

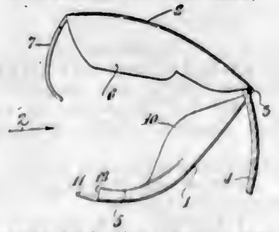
1,982,783

SEALING MEANS

Winfred M. Brooks, West Orange, N. J.

Application January 6, 1934, Serial No. 705,542

1 Claim. (Cl. 292—325)



Sealing means including; two curved main portions bent toward each other into opposed relation that are adapted to receive between them, adjacent the line of bending, an element to be sealed; one of said main portions having side cheeks terminating short of its free end to provide an exposed longitudinally curved guide and said side cheeks being bent inwardly adjacent said guide to form a longitudinally curved channel having a transverse opening adjacent the guide; the other of said main portions having, at its free end, a longitudinally curved tongue and having side cheeks adapted to telescope over the side cheeks of the first-mentioned main portion; whereby upon further bending of the two main portions toward each other, said curved tongue strikes the curved guide and enters the curved channel aforesaid through said transverse opening and the side cheeks of the two main portions are telescoped into each other to form a closure substantially ovoid-shape in longitudinal section.

1,982,784

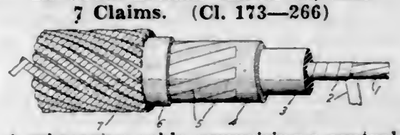
SUBMARINE CABLE

Oliver E. Buckley, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 17, 1930, Serial No. 436,298

In Great Britain March 20, 1929

7 Claims. (Cl. 173—266)



1. A submarine cable comprising a central conductor, insulation, a return conductor, and armor surrounding the return conductor and adapted to carry a portion of the return current, said armor and return conductor being spiralled and having cross sections, conductivity and geometrical configuration and relation to each other so as to each set up a magnetic field having a component which will neutralize the longitudinal component of the magnetic field set up by the other at one frequency in the signaling range.

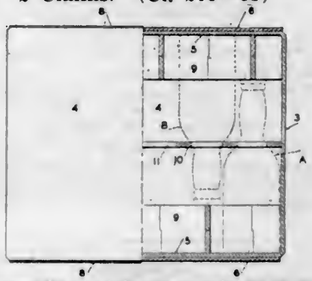
1,982,785

CARTON

Frederick R. Buhrmaster, Webster Groves, Mo., assignor to St. Louis Basket & Box Corporation, St. Louis, Mo., a corporation of Delaware

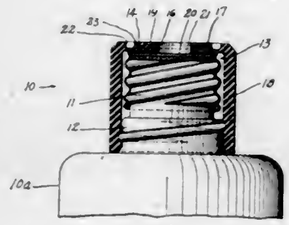
Application May 19, 1933, Serial No. 671,784

2 Claims. (Cl. 206—65)



1. A carton for bottles comprising a container of a depth greater than the bottles to be contained, a pair of outer separator members provided with bottle body compartments, each of said members being of a depth equal to the excess of carton depth over bottle length, the compartments of one member being in staggered relation with those of the other member, whereby each separator member provides an end support for the bottles in the other member, and an intermediate separator for the necks of bottles in both members.

1,982,786
NONREFILLABLE CLOSURE
James P. Burke, Knoxville, Tenn.
Application April 21, 1934, Serial No. 721,666
7 Claims. (Cl. 215—7)



1. A device including a container having a closure member, a sealing member having an annular frangible portion, the closure member consisting of sheet metal and having an integral struck out portion connected to the sealing member centrally of the frangible portion, leaving an opening in the closure member, means within the closure member for closing said opening, and the closure and sealing members being individually connected with the container in such manner that the members cannot be removed except by breaking the frangible portion of the sealing member.

1,982,787
HOT MOLDING COMPOSITION
Oscar A. Cherry, Chicago, Ill., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill., a corporation of New York
No Drawing. Application April 28, 1930, Serial No. 448,159
2 Claims. (Cl. 106—22)

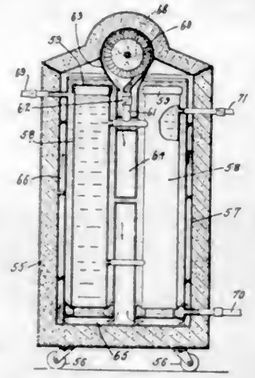
2. A molding composition comprising a phenyl ester of a saturated aliphatic carboxylic acid containing more than ten carbon atoms and a potentially reactive phenolic resin.

1,982,788
SYNTHETIC RESIN
Oscar A. Cherry, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill., a corporation of New York
No Drawing. Application September 6, 1932, Serial No. 631,888
4 Claims. (Cl. 260—8)

1. The process of preparing a synthetic resin comprising reacting a dihydroxydiphenylmethane dicarboxylic acid, a monobasic carboxylic acid, and glycerol.

1,982,789
METHOD OF REFRIGERATION AND APPARATUS THEREFOR
Walter Gordon Clark, Los Angeles, Calif., assignor to Air Ice Research & Development Corp., Los Angeles, Calif., a corporation of Delaware
Application February 8, 1932, Serial No. 591,524
25 Claims. (Cl. 62—91.5)

13. A refrigeration unit, comprising a storage container for gasifiable refrigerants, a body of freezable liquid substantially enclosing said container, gas expansion conduits, conduit means connecting said container with said expansion conduits, a pressure control valve in said conduit



means, and gas discharge means from said expansion conduits.

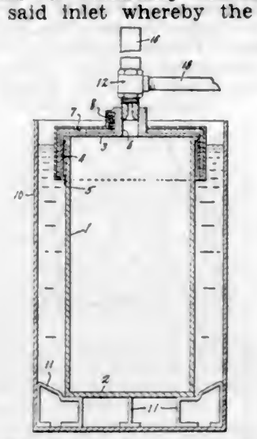
1,982,790
MUSIC PRINTING STAMP
Alf F. Harbo, Minneapolis, Minn.
Application April 11, 1932, Serial No. 604,408
1 Claim. (Cl. 101—406)



A device of the kind described comprising a head in the form of a sleeve adapted to be telescoped around and frictionally engaged with a pointed marking instrument and provided with a plurality of eccentrically offset diverging fingers spaced from each other within less than 180 degrees measured in the circumference of the said pen or pencil, said fingers at their ends having individual spaced type or printing characters, said parts being made from a single piece of sheet metal, and in further combination with a pointed marking instrument frictionally telescoped through said sleeve with its point approximately at the axis of said sleeve and projected substantially as far from said sleeve as the type-equipped ends of said fingers.

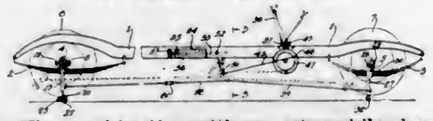
1,982,791
REFRIGERATION APPARATUS
Walter Gordon Clark, Los Angeles, Calif., assignor to Air Ice Research & Development Corp., Los Angeles, Calif., a corporation of Delaware
Original application February 8, 1932, Serial No. 591,524. Divided and this application October 3, 1932, Serial No. 635,916
7 Claims. (Cl. 62—1)

4. A storage device for gasifiable refrigerants, comprising a container provided with an inlet, a cap member for said inlet, and a liquefiable holding means for releasably holding said cap member on said inlet whereby the maximum



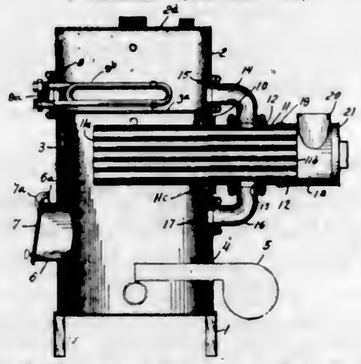
pressure of gasified refrigerant in said container is controlled by said holding means.

1,982,792
COMBINATION ANTISKID AND JACK MECHANISM FOR AUTOMOBILES
Carl F. Clausen, Grayslake, Ill.
Application January 5, 1931, Serial No. 506,826
Renewed May 1, 1934
10 Claims. (Cl. 188—5)



1. The combination with an automobile chassis, of a plurality of pivoted arms carried by the chassis, means for locking the pivoted arms in a normally inoperative position, said means including a gear train, a brake for preventing the movement of the gear train, and a stop pawl for engaging the gear train, a lever for releasing the brake and the stop pawl simultaneously, and spring actuated means for swinging the arms into engagement with the ground.

1,982,793
BOILER
Howard C. Davis, Elizabeth, N. J.
Application July 8, 1933, Serial No. 679,460
5 Claims. (Cl. 122—73)



2. A boiler comprising a casing forming a combustion chamber and a water compartment, a tube container structurally independent of the boiler mounted in an opening in the boiler with one end and a portion of the tube container extending into and wholly contained within the combustion chamber, the portion of the container within the combustion chamber being suspended therein, and a plurality of flue tubes extending through the tube container.

1,982,794
UREA-FORMALDEHYDE REACTION PRODUCT AND PROCESS OF PREPARING SAME
Melville C. Dearing, Palatine, Ill., assignor to Economy Fuse & Manufacturing Co., Chicago, Ill., a corporation of New York
No Drawing. Application August 27, 1932, Serial No. 630,700
4 Claims. (Cl. 260—3)

1. The process of producing a moldable precipitate which comprises reacting as sole reactants, urea and formaldehyde in aqueous solution, in molecular ratio of substantially one to two, and then removing a substantial amount of formaldehyde so that the molecular ratio of urea to formaldehyde becomes greater than one to two, and then precipitating the urea-formaldehyde reaction product by dilution with water.

1,982,795
UREA-FORMALDEHYDE REACTION PRODUCT AND METHOD OF MAKING SAME
Melville C. Dearing, Palatine, Ill., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill., a corporation of New York
No Drawing. Application September 6, 1932 Serial No. 631,897
3 Claims. (Cl. 260—3)

1. The process of producing a product suitable for casting comprising, reacting urea and aqueous formaldehyde solution, adding gum acacia to the solution, and then distilling a portion of the water from the solution until a casting consistency is reached.

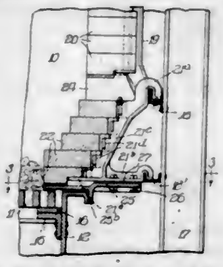
1,982,796
UREA-FORMALDEHYDE REACTION PRODUCT AND PROCESS OF MAKING SAME
Melville C. Dearing, Palatine, Ill., assignor to Economy Fuse & Manufacturing Co., Chicago, Ill., a corporation of New York
No Drawing. Application September 6, 1932 Serial No. 631,900
8 Claims. (Cl. 260—3)

1. The process which comprises reacting approximately one mol of urea and two mols of aqueous formaldehyde in the presence of a pH of aproximately 5 to form a solution of an intermediate reaction product, diluting said solution with a relatively large volume of acidulated water, and subsequently heat treating until a water insoluble precipitate is formed.

1,982,797
STOKER FURNACE CONSTRUCTION
Robert C. Denny, Chicago, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Illinois
Application August 7, 1931, Serial No. 555,673
15 Claims. (Cl. 110—40)

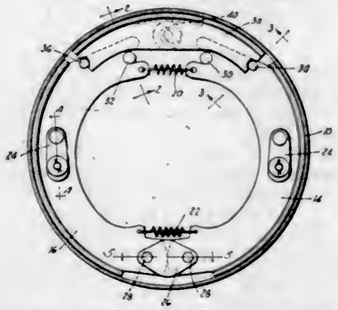
1. In a furnace having a chain grate stoker, the combination of a frame spaced laterally from the stoker, a ledge plate supported on the frame and extending over a marginal portion of the stoker, a refractory wall portion supported on the frame independently of the ledge plate and over-

lying the same to form a protection therefor, and means retaining the ledge plate and refractory



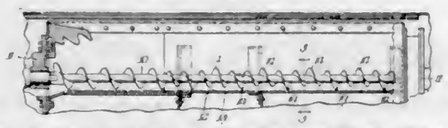
wall portion in association yet permitting their removal independently of each other.

1,982,798
BRAKE
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application August 25, 1928, Serial No. 302,033
Renewed March 7, 1932
4 Claims. (Cl. 188—78)



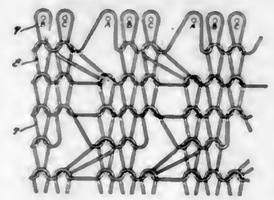
1. A brake comprising, in combination, a drum, a pair of fixed anchor pivots, a friction device engageable with the drum and having its ends notched for pivotal engagement with said pivots and yieldingly held against said pivots in such a manner that when the brake is applied one of said ends anchors against its pivot when the drum is turning in one direction and the other of said ends anchors against its pivot when the drum is turning in the other direction, and a servo operating shoe overlapping said ends and arranged to act on the unanchored end when the brake is applied.

1,982,799
CONVEYER SCREW FOR LOCOMOTIVE STOKERS
David Evans, Chicago, Ill., assignor to Chicago Steel Foundry Co., Chicago, Ill., a corporation of Maine
Application May 29, 1933, Serial No. 673,462
4 Claims. (Cl. 198—213)



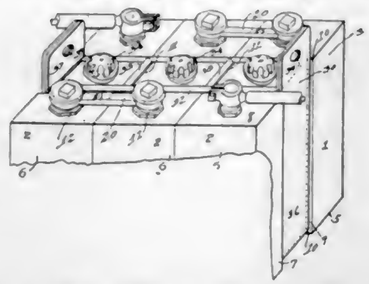
2. A screw of the character described, characterized by a helically extending flight which varies gradually in radius between a minimum and a maximum about every one and one-half turns whereby to provide an eccentrically curved feeding edge.

1,982,800
METHOD OF KNITTING FABRIC
Albert Friedmann, Wyomissing, Pa., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y., a corporation of New York
Application March 29, 1932, Serial No. 601,735
2 Claims. (Cl. 66—96)



1. The method of knitting lace fabric which comprises removing from the needle bar certain needles at spaced intervals, knitting a course of loops on the remaining needles, transferring the loops on the needles adjacent one end of the gaps caused by the removed needles from said needles to the needles adjacent the other side of said gaps, and then closing the holes so formed by knitting a course of plain knitting.

1,982,801
INTERCHANGEABLE BATTERY CELL
Ardis D. Gerking, Freewater, Oreg.
Application March 20, 1933, Serial No. 661,751
3 Claims. (Cl. 136—166)

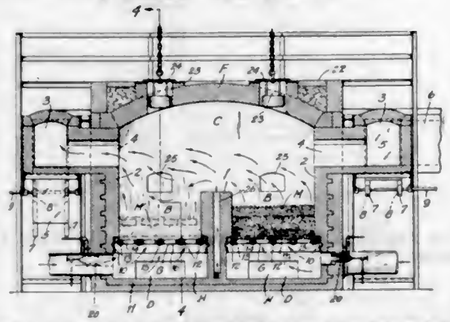


1. In interchangeable battery cells, the combination with a detachable electrical connecting means, of vertically withdrawable cells, each cell having an encircling recess about its shortest perimeter, said recess being disposed to register with a corresponding recess of an adjacent cell to form therewith a vertically positioned connecting channel therebetween and an aligned channel positioned longitudinally of the battery, and registering with the connecting channels, and a removable securing means mounted in said aligned channel and provided with means to engage the cells in the openings of the connecting channels.

1,982,802
PHOTOGRAPHIC EMULSION AND METHOD OF MAKING THE SAME
Ernest Govett, New York, N. Y., assignor to Govett, Ltd., New York, N. Y., a corporation of New York
No Drawing. Application May 31, 1929, Serial No. 367,618
4 Claims. (Cl. 95—7)

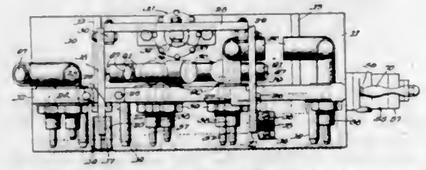
1. In making photographic emulsions, producing colloidal silver bromide by reaction of a silver salt with a compound of the class consisting of colloidal hydrogen bromide and colloidal bromine hydrate.

1,982,803
PROCESS AND FURNACE FOR DISPOSING OF REFUSE MATTER
John E. Greenawalt, New York, N. Y.
Application July 23, 1932, Serial No. 624,229
1 Claim. (Cl. 110—8)



The method of disposing of refuse matter which comprises charging and arranging the matter according to uniformity of combustibility on a pervious support, applying a mass of confined flame and highly heated products of combustion to the surface of the charge containing the more uniformly combustible component to ignite said charge over substantially the entire surface, causing a blast of air to traverse the charge from the ignited surface to support combustion of the charge, controlling the flow of the volatile products of partial combustion through a confined space, and causing said volatile products to traverse a highly heated zone in said confined space for further combustion.

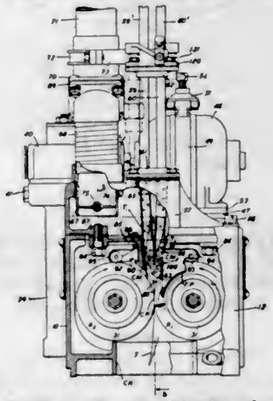
1,982,804
WORK SUPPORTING FIXTURE
Donald R. Hall, Beloit, Wis., assignor to Gardner Machine Company, Beloit, Wis., a corporation of Wisconsin
Application November 19, 1931, Serial No. 576,067
21 Claims. (Cl. 51—217)



9. A work fixture comprising in combination, a plurality of stationary abutments to orient a work piece, clamping means operative to confine the work piece in oriented position, a plurality of shiftable abutments to support the work piece, and a single manipulative means operable to actuate said clamping means and to hold said shiftable abutments in work-engaging position.

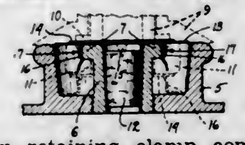
1,982,805
PNEUMATIC TICKET DISTRIBUTING SYSTEM
Leon N. Hampton and Roy W. Davis, New York, and Charles D. Richard, West New Brighton, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 1, 1933, Serial No. 673,884
7 Claims. (Cl. 302—2)

1. In a pneumatic ticket receiving valve, a driven roller, a motor operatively connected to said roller, an idle roller disposed adjacent and in parallel relation with said driven roller, an eccentric for supporting said idle roller, means tending to rotate said eccentric for yieldably



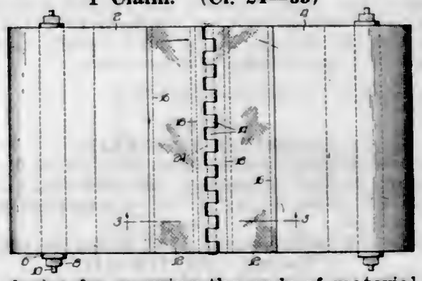
holding said idle roller in frictional engagement with said driven roller, and means adjustable for controlling the effect of the first mentioned means on said eccentric.

1,982,806
STAMP RETAINING CLAMP
Philip J. Hayes, Spokane, Wash.
Application November 17, 1933, Serial No. 698,474
5 Claims. (Cl. 217—114)



4. A stamp retaining clamp comprising an open body having an opening through which a stamp may be seen, the body having a bearing surface for pressing against a stamp, and a plurality of resilient arms projecting from the inner marginal edge of the body about the opening, said arms extending substantially axially of the body from the face of the body having the stamp engaging surface, the arms being each provided with means on the center side thereof for holding engagement under the resilient action of the arms with a tangential abutment.

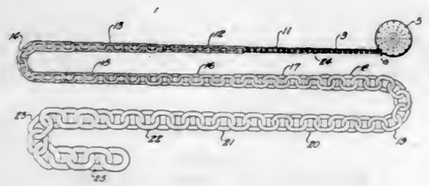
1,982,807
MEANS FOR FASTENING GELATINIZED BANDS
Kenneth M. Henderson, Winnetka, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 11, 1932, Serial No. 592,329
1 Claim. (Cl. 24—33)



A device for securing the ends of material together, comprising in combination, adjacent

pieces of flexible material, a piece of flexible material secured to each of said first named pieces of material, said second named pieces of material having looped portions formed with spaced projecting portions adapted to be disposed in intermeshing relation, said projecting portions having openings adapted to be disposed in alignment when said portions are in intermeshing relation, and a removable key member insertable through said aligned opening to secure said pieces of material together and to provide for a flexible joint.

1,982,808
PRACTICE GOLF BALL DEVICE
Otto A. Hendersen, Racine, Wis.
Application June 27, 1932, Serial No. 619,369
2 Claims. (Cl. 273—35)



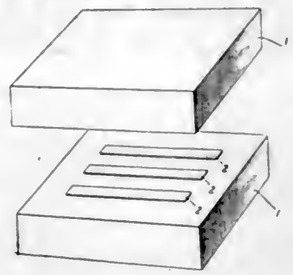
1. A practice golf ball device comprising a ball having an elongated chain secured thereto and adapted to be stretched out in the line of flight of the ball, and said chain being formed of directly interconnected sections, the links of the first section being of one size and weight and the links of subsequent sections progressively increasing in size and weight whereby after a ball has been driven to double over a portion of the chain the length of the shot can be estimated by the number of sections displaced.

1,982,809
COMPOSITION OF MATTER ADAPTED FOR COLD MOLDING, MOLDED PRODUCTS PRODUCED THEREFROM AND PROCESS OF MAKING SAME
Clarence A. Herbst, Park Ridge, and John D. Endriz, Berwyn, Ill., assignors to Economy Fuse & Manufacturing Company, Chicago, Ill., a corporation of New York
No Drawing. Application September 28, 1931, Serial No. 565,690
10 Claims. (Cl. 18—55)

9. A finished molded article produced by first, molding to desired shape the molding composition produced by the process set forth in claim 5, and then heat treating the molded article at a temperature of between approximately 480 degrees to 500 degrees F. for substantially sixteen hours in a non-oxidizing atmosphere.

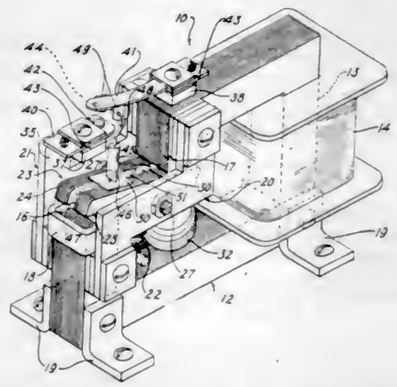
1,982,810
MAGNETIC MATERIAL
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 13, 1933, Serial No. 689,194
6 Claims. (Cl. 175—21)

1. The step in the method of making thin, flat laminations of magnetic material of high permeability which comprises annealing the laminations between flat faced blocks composed



of a material having substantially the same coefficient of expansion as the laminations.

1,982,811
ELECTROMAGNETIC DEVICE
Walter M. Hill, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1930, Serial No. 466,068
5 Claims. (Cl. 200—91)

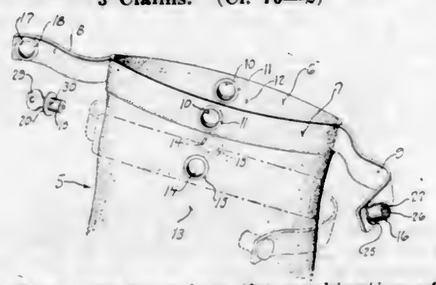


1. In an electromagnetic device, a magnetizable core having spaced pole portions, an armature pivoted intermediate its ends between the pole portions of the core and movable thereby, a contact element controlled by the armature and a control element pivoted to the contact element and loosely connected to the armature in such manner that the armature is undisturbed by movements of the armature due to extraneous causes.

1,982,812
CONTACT MATERIAL
Charles V. Iredell, East Orange, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
No Drawing. Application September 2, 1931, Serial No. 560,863
1 Claim. (Cl. 200—166)

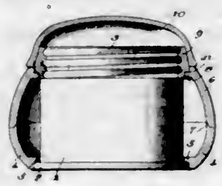
An electrical contact including a composite unit comprising by weight about 60% molybdenum and 40% silver, the molybdenum and silver being uniformly distributed throughout substantially the entire mass, the molybdenum being in the form of individual particles and being surrounded by the silver.

1,982,813
LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application July 20, 1932, Serial No. 623,473
3 Claims. (Cl. 70—2)



1. In a lock for a bag, the combination of a lock casing having a bore substantially closed at its inner end and open at its outer end and provided with a longitudinal tumbler groove communicating with a transverse groove to form a bayonet slot, means securing said casing to one portion of the bag, a key plug passing partially through an opening in another portion of the bag and readily insertable and removable from the bore of the casing through the open outer end thereof, means preventing said key plug from passing entirely through said opening in the bag, a lug carried by the plug and engageable in the bayonet slot to hold the cylinder in the casing, said engagement of the lug in the bayonet slot necessitating rotation of the plug, and key operable tumblers to prevent rotation of the plug in the casing so that retraction of the plug from the lock casing necessitates the use of a proper key.

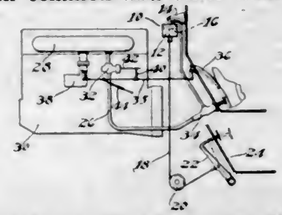
1,982,814
INVERTIBLE CONTAINER
Wayne W. Bissell, New Castle, Pa.
Application March 8, 1934, Serial No. 714,718
7 Claims. (Cl. 215—12)



1. A container comprising an inner receptacle, a decorative covering therefor comprising a pair of sections of different contour, said covering being invertible, and means for rigidly securing covering in either position to the container.

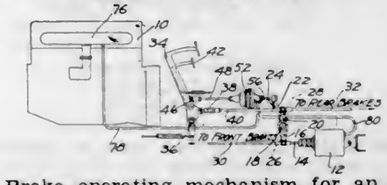
1,982,815
CLUTCH CONTROL MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 10, 1931, Serial No. 568,079
7 Claims. (Cl. 192—.01)

1. Control mechanism for an automotive vehicle provided with a throttle and a clutch comprising, in combination, power operated means for operating the clutch, said means comprising a fluid motor and a control valve therefor, manually operable means for opening the throttle, said throttle and clutch operating means including a manually operable pedal member in common and other manually oper-



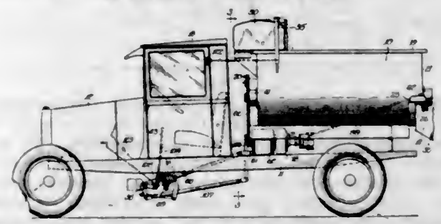
able means for varying the mode of clutch engagement, said last mentioned means and said pedal member being both operable by the foot of the operator.

1,982,816
BRAKE MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 28, 1932, Serial No. 608,075
7 Claims. (Cl. 188—152)



2. Brake operating mechanism for an automotive vehicle comprising in combination with a brake to be operated, a manually operable pedal member, linkage interconnecting the pedal with the brake, said linkage including a cross shaft, a crank arm extending from said shaft, and a link connecting said arm with the pedal, said crank arm provided with an offset portion beyond the connection between said arm and link, power means for operating the brake including a servo motor, connections interconnecting said motor with the aforementioned linkage to operate the brake by power, a miniature power brake pedal arranged adjacent the aforementioned pedal and conveniently accessible to the driver, and means interconnecting said miniature pedal and said offset portion of the aforementioned crank arm, said latter means including a valve for controlling the operation of said servo motor.

1,982,817
TRUCK MIXER
Elbert C. Leach and Eric O. Hamren, Oshkosh, Wis., assignors to Leach Company, Oshkosh, Wis., a corporation of Wisconsin
Application September 5, 1930, Serial No. 479,854
4 Claims. (Cl. 83—73)



1. In a truck mixer, a mixing receptacle having a normally closed discharge outlet adja-

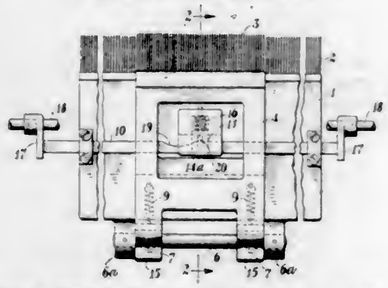
cent one end thereof, means for causing the material being mixed to move toward the outlet along one side of the receptacle and away from the outlet along the other side of the receptacle, means for causing the material to move toward the outlet along both sides of the receptacle when the outlet is opened, and means for automatically actuating said last mentioned means when the outlet is opened.

1,982,818

FLAT KNITTING MACHINE NEEDLE BAR

Karl Willi Lieberknecht, Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y., a corporation of New York

Application January 24, 1933, Serial No. 653,269
In Germany February 13, 1932
5 Claims. (Cl. 66—114)



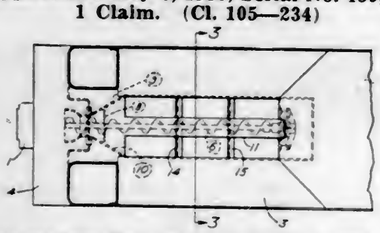
1. In a flat knitting machine, a needle bar having fixed sections and a section which is swingable and raisable out of knitting position with respect to the fixed sections, means for normally and resiliently maintaining said swingable and raisable section in aligned knitting position with respect to the fixed sections of said needle bar, means for retracting said last mentioned means so as to release said swingable section from its aligned position, and means for automatically and simultaneously causing said swingable section to be raised, when said resilient alignment maintaining means is retracted, so that the needles thereof will be vertically raised out of knitting position with respect to the needles of the fixed sections.

1,982,819

LOCOMOTIVE TENDER

Elmer Lippert, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application May 6, 1930, Serial No. 450,262
1 Claim. (Cl. 105—234)



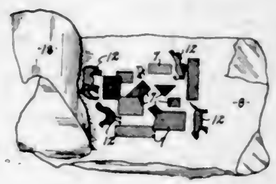
The combination in a locomotive tender having a frame and upright sidewalls, of a pair of side slope sheets extending downwardly and inwardly each from a respective upright sidewall of the tender and spaced apart at their respective lower edges, an open mouthed trough mounted longitudinally in said tender and spaced above said frame, said trough being fastened through its upper marginal side edges to the lower edge of said side slope sheets, the sides of said trough being in a substantially straight line with said side slope sheets, a screw conveyor disposed in said trough, a longitudinally extending ledge spaced above the bottom of said trough and intermediate the lower edges of said side slope sheets forming a pair of longitudinally extending openings defined by the sides of said ledge and the lower edges of said side slope sheets, said openings being in a plane above the plane of said screw conveyor, and stress members extending transversely of the sides of said trough and forming also supports for said longitudinally extending ledge.

1,982,820

METHOD OF DYEING ARTICLES

Gabriel Lowenstein, New York, N. Y., assignor to Fred Fear & Company, Brooklyn, N. Y., a corporation of New York

Application June 6, 1934, Serial No. 729,182
5 Claims. (Cl. 41—33)



1. As a new method of dyeing articles, the steps of interposing pieces of dye impregnated fibrous material between layers of moistened sheets and wrapping and pressing the article to be dyed in the moistened sheets.

1,982,821

ELECTRODE AND METHOD OF MANUFACTURE

Charles P. Marsden, Bloomfield, and Carson M. Wheeler, Montclair, N. J., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

No Drawing. Application June 2, 1933, Serial No. 674,046
5 Claims. (Cl. 250—27.5)

1. The method which comprises subjecting a graphitized amorphous carbon body to the action of a high frequency field in an oxidizing gaseous atmosphere, and maintaining said action until substantially all amorphous carbon is removed.

1,982,822

CONDENSATION PRODUCTS OF CARBOHYDRATE DERIVATIVES

Joseph V. Meigs, Dobbs Ferry, N. Y., assignor to Sweets Laboratories Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 26, 1929, Serial No. 388,606
18 Claims. (Cl. 260—2)

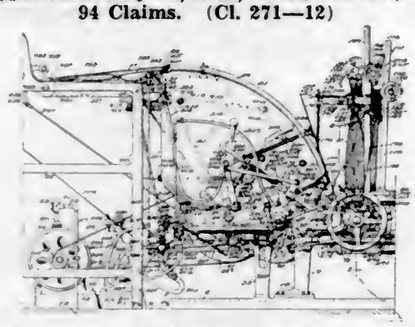
1. The process which comprises reacting a carbohydrate with an alkaline solution, generating monobasic organic acids containing more than three carbon atoms neutralizing the alkaline solution with a mineral acid, thereby liberating said organic acids and producing an inorganic salt, adding a mineral acid in excess and an alcohol and distilling the acid solution in the presence of said mineral acid and inorganic salt until water ceases to be substantially evolved.

1,982,823

SHEET FEEDING MACHINE

Ross Meredith, Pearl River, N. Y., assignor to Dexter Folder Company, New York, N. Y., a corporation of New York

Application July 30, 1932, Serial No. 626,906
94 Claims. (Cl. 271—12)



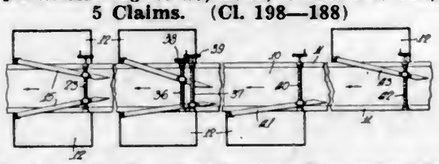
1. In apparatus of the character described, mechanism for supporting and advancing a supply of sheets standing on edge one behind another, means forwardly of and above said mechanism and to which sheets are fed one after another, sheet conveying means for delivering the sheets upwardly and forwardly to said first named means, and means movable toward and away from the front of said supply for separating the sheets successively therefrom and delivering them in like manner to said sheet conveying means.

1,982,824

UNLOADING MECHANISM FOR BELT CONVEYERS

Eugene F. Miltenberger, Red Bank, N. J.

Application August 26, 1931, Serial No. 559,365
5 Claims. (Cl. 198—188)



1. An unloading mechanism for pulverulent, granular, or other similar material, including a pair of spaced receiving stations, a single conveying belt extending transversely between said stations, a pair of plow blades pivoted at one set of ends thereof alongside of the conveying belt at opposite sides of said belt and near said stations, and means connected near the free ends of said plow blades for moving said free ends towards and away from each other in unison across the top of said belt.

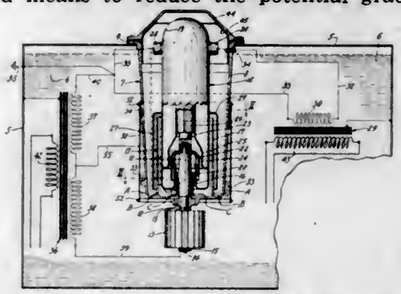
1,982,825

CORONALESS SHOCKPROOF UNIT

Montford Morrison, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware

Application June 1, 1932, Serial No. 614,738
8 Claims. (Cl. 250—34)

1. In an X-ray apparatus the combination of a casing, an electrical discharge device having an envelope and electrodes spaced apart and disposed in an ambient dielectric medium, means disposed in said casing in a second ambient dielectric medium in juxtaposition with said discharge device for energizing said discharge device and having portions thereof in close proximity to the latter, dielectric means disposed between said discharge device and said first mentioned means to prevent contact of the respective ambient dielectric media for each and forming a compartment for housing said discharge device, and means disposed in the shortest path between said dielectric means and said first mentioned means to reduce the potential gradient



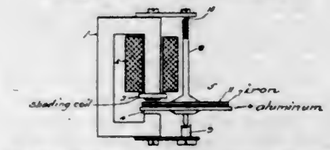
upon said dielectric means and the ambient dielectric medium for said discharge device and said first mentioned means, respectively, at points of greatest potential stress, and to prevent the formation of corona between said discharge device and all parts of said first mentioned means disposed in close proximity to said discharge device.

1,982,826

SELF-STARTING SYNCHRONOUS MOTOR

William C. Nein and Thomas W. Varley, New York, N. Y.

Application February 12, 1929, Serial No. 339,342
7 Claims. (Cl. 172—278)



1. In a self-starting synchronous motor, the combination with a stationary magnetic member having an air gap, of a rotor comprising a rotatable shaft and a plurality of disks thereon, said disks entering within said air gap, one of said disks being of magnetic material and the other of said disks being of electrically conductive non-magnetic material and means for producing out of phase fluxes in said air gap and affecting said disks, said disk of magnetic material having recesses formed therein within said air gap said disk of magnetic material lying wholly outside said disk of non-magnetic material.

7. An alternating current motor having an armature comprising an aluminum disk and an iron disk having perforations.

1,982,827

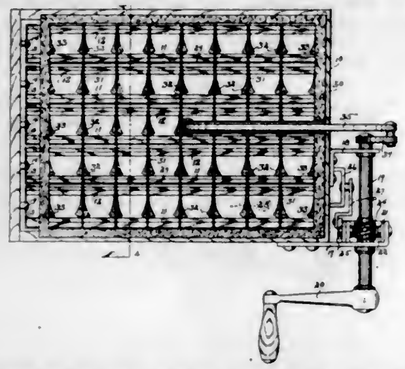
METHOD OF TURNING EGGS DURING THE INCUBATION OF THE SAME

Marlow W. Olsen, Harlan, Iowa, and Harold T. Baker, New Brunswick, N. J.

Application August 4, 1930, Serial No. 472,965
3 Claims. (Cl. 119—44)

1. The method of positioning and turning eggs during the incubation of the same, consisting in the holding of the eggs so that their larger ends are always maintained above their smaller ends, the rocking of the eggs at various times about horizontal axes, between positions with their longitudinal axes nearly horizontal, and positions

with their longitudinal axes at considerable angles to the horizontal, and the simultaneous rolling of the eggs sidewise during the rocking of



the eggs so that the angle through which it rolls is greater, the greater the angle between the longitudinal axes of the eggs and a horizontal plane.

1,982,828

PROCESS OF PREPARING USED FILTERING MATERIAL FOR REVIVIFICATION

Arthur E. Pew, Jr., Bryn Mawr, and Leon A. Tarbox, Ridley Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application June 17, 1932, Serial No. 617,868

6 Claims. (Cl. 252—2)

1. The process of preparing used oil filtering media for revivification comprising displacing adsorbed and entrained oil with an inert gas, washing the media with a solvent for the oil to further recover usable oil, and then displacing the adsorbed and entrained oil solvent with an inert gas from which water will not condense at the initial and final temperatures of the filtering medium.

2. The process of preparing used oil filtering media for revivification comprising displacing adsorbed and entrained oil with combustion gases, washing the media with a solvent for the oil to further recover usable oil, and then displacing the adsorbed and entrained oil solvent with combustion gases.

1,982,829

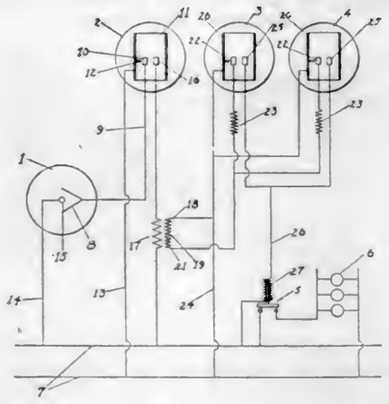
AMPLIFICATION SYSTEM FOR GLOW RELAY DEVICES

Harvey C. Rentschler, East Orange, and Donald E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a corporation of Pennsylvania

Application December 7, 1928, Serial No. 324,557

2 Claims. (Cl. 250—41.5)

1. An electric system including a glow relay tube of the starting anode type having an envelope, a gas, a cathode, a starting anode and a main anode therein, comprising a starting circuit including a source of potential, the starting anode and the cathode of said tube and a radiation responsive means for controlling current flow between said starting anode and cathode, an output circuit including a source of potential, said main anode and cathode, a third circuit magnetically coupled with said output circuit, said third circuit including the starting anode and cathode of a second relay tube having a higher output capacity than said first mentioned tube, a fourth circuit including said cathode and a main anode of said second relay tube and actuable means associated with said fourth circuit and adapted to be actuated upon current flow through said



fourth circuit, said first mentioned tube being sensitive and said second tube being less sensitive than said first mentioned tube.

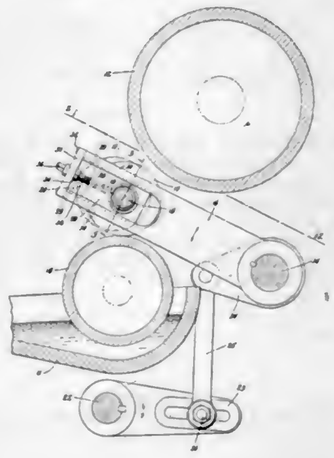
1,982,830

INKING MECHANISM

Charles J. Richter, Berwyn, Ill., assignor to Goss Printing Press Company, a corporation of Illinois

Application March 31, 1932, Serial No. 602,139

12 Claims. (Cl. 101—351)



1. An inking mechanism including in combination a plurality of sectional transfer rollers to be contacted with a fountain roller and an ink drum to transfer ink from one to the other, all of said rollers being arranged end to end and means at one side of the mechanism for moving said rollers individually toward and away from the fountain roller and drum whereby different sizes of rollers may be mounted for simultaneous contact with the fountain roller or ink drum.

1,982,831

INSULATED ELECTRICAL CONDUCTOR

Otto Röhm and Walter Bauer, Darmstadt, Germany, assignors to Rohm & Haas Aktiengesellschaft, Darmstadt, Germany, a company of Germany

Application November 2, 1929, Serial No. 404,508

In Germany October 26, 1928

5 Claims. (Cl. 173—264)



1. An insulated electrical conductor in which the insulating medium comprises a polymerized ester of acrylic acid.

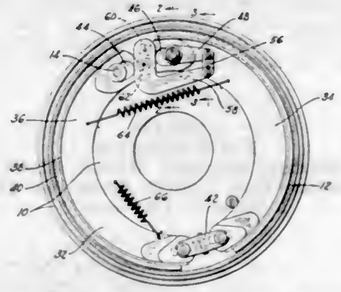
1,982,832

BRAKE

Roy S. Sanford, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Application April 27, 1931, Serial No. 533,234

7 Claims. (Cl. 188—78)



1. A brake comprising a friction element having separable ends, an anchor for one of the ends, an operating shaft extending through the other end, an operating cam between the separable ends and linkage connecting the operating cam to the shaft.

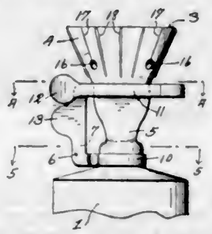
1,982,833

SPREADER FOR PASTE TUBES

Joseph J. Schmerler, New York, N. Y.

Application September 14, 1933, Serial No. 689,473

7 Claims. (Cl. 91—67.4)



1. An attachment for a collapsible paste tube having a nozzle, comprising a body having a circular cone-like spreader head of a relatively thin resilient material and adapted to spread out to an increased diameter when applied to a surface, and a tube connected with said head at its constricted end and adapted to have its other end connected with said nozzle.

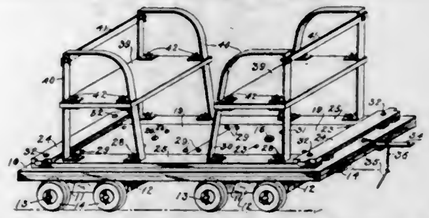
1,982,834

CONVERTIBLE CARRIAGE

Carroll O. Smith and Donald I. Sweany, Baltimore, Md.

Application June 29, 1933, Serial No. 678,264

8 Claims. (Cl. 46—48)



1. The combination in a knock-down toy, of a set of building units including a floor, traveling units under the floor and provided with means removably connecting them to the floor in proper relation for carrying the floor, and walls provided with means removably securing them to the marginal edges of the floor in erect position, the second said means including bolts that extend through bolt-holes in the walls and in the floor, said walls having bolt-holes at right angles to the first said bolt-holes, said bolts being removable from the first said bolt-holes and adapted to be passed through the second said bolt-holes and through the floor for securing the walls in prostrate position on the floor, for purposes specified.

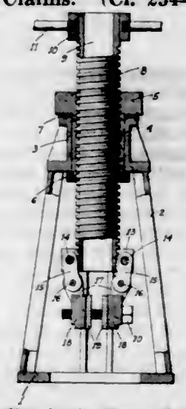
1,982,835

DRILL STEEL PULLER

Leopold Thomas Stampfli, Crescent Mills, and Steve Chiritescu, Paxton, Calif., assignors, by mesne assignments, of one-third to V. U. Williams, Virgilia, Calif.

Application July 1, 1933, Serial No. 678,654

2 Claims. (Cl. 254—30)



1. A drill puller including a tubular jack screw, means supporting the screw for vertical movement, a drill clamp at one end of the screw, said clamp comprising opposed links projecting from and swivelly mounted in connection with the screw, opposed jaw blocks supported by the links, and means between the blocks to draw them together about a drill.

1,982,836

HONING DEVICE FOR CYLINDERS

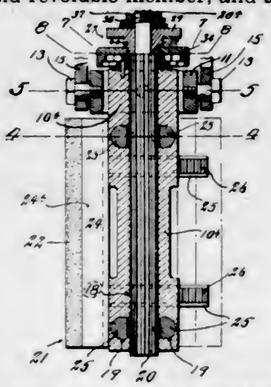
Joseph Sunnen, St. Louis, Mo.

Application November 17, 1927, Serial No. 233,788

4 Claims. (Cl. 51—184.1)

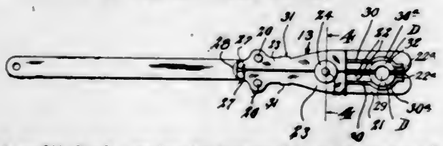
2. An apparatus of the class described comprising a rotatable carrier, arms mounted in said carrier and movable transversely thereof, cylinder engaging elements carried by the outer

ends of said arms, a revoluble member longitudinally disposed in said carrier and operable to actuate said arms, a pair of coaxial gears one of which is relatively stationary and the other is fixed to said revoluble member, and a pair of co-



axial conjoined ring gears eccentrically operable to gyrate about the common axis of the first pair of gears and having gyratory meshing engagement with said first pair of gears for actuating said revoluble member.

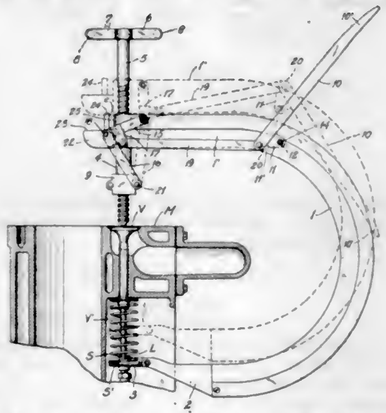
1,982,837
SPLIT LOCK REPLACER
Joseph Sunnen, Kirkwood, Mo.
Application April 10, 1931, Serial No. 529,066
1 Claim. (Cl. 81—3)



A split lock replacer comprising a support, a plate movably mounted thereon and provided with a longitudinally disposed slot, a pair of levers pivotally mounted near one of their ends on said plate and having their opposite ends extending beyond said plate and provided with oppositely disposed jaws adapted to receive a pair of split lock members, a yieldable member arranged on each lever and having its free end arranged to cooperate with the respective jaw and yieldably hold the corresponding split lock member in position thereon, a spring for yieldably holding said levers in jaw closing positions, and a pin fixed to and extending upwardly from said support through the slot of said plate and between said levers whereby said plate and parts associated therewith are movable longitudinally of said support and said pin, the inner edges of said levers being provided with opposed cooperating notches for accommodating said pin and permit closing of said jaws when said levers occupy normal positions, said pin causing outward movement of said jaws when said plate and said levers are displaced longitudinally.

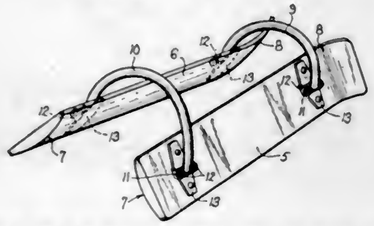
1,982,838
COMBINED VALVE LIFTER AND SPRING COMPRESSOR
Joseph Sunnen, Kirkwood, Mo.
Application May 15, 1933, Serial No. 671,087
4 Claims. (Cl. 29—86.3)

1. In a combined valve lifter and spring compressor, a handle frame, a socket disposed transversely at one end of said frame, a member slidingly mounted in said socket for coaction with the frame, a block adjustably mounted on said member, spring retaining means on the end of the frame beyond and adjacent to said socket, a cross-arm on one end of the sliding member, and means connected between the said block and



frame for moving the sliding member back and forth through the socket, said spring retaining means comprising a seating surface and confining elements perpendicular to said surface and arranged to contact the spring coils at three points.

1,982,839
PACK SADDLE
Herman Swanson, Mullan, Idaho
Application June 7, 1932, Serial No. 615,830
1 Claim. (Cl. 54—37)

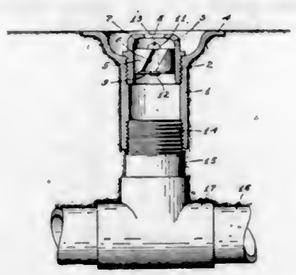


A pack saddle comprising a pair of side boards, a pair of transverse bows one of which is shorter than the other, the shorter bow having its ends pivotally connected to the forward end portions of the side boards, the longer bow having its ends pivotally connected to the rear end portions of the side boards whereby said boards are flexibly retained in forwardly convergent spaced apart relation, the forward end portions of the side boards curved outwardly, and the rear end portions only of said side boards being convex in cross section on their undersides.

1,982,840
ADJUSTABLE LAWN SPRINKLING MEANS
Ernest J. Sweetland, Piedmont, Calif.
Application June 8, 1932, Serial No. 615,973
5 Claims. (Cl. 299—60)

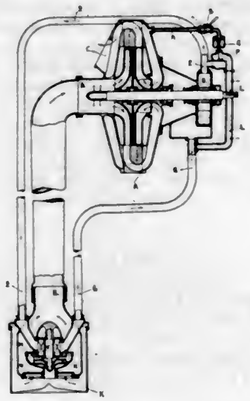
5. A sprinkling device comprising a nozzle having a pair of internal discs provided with registering openings, one of said discs being mounted in stationary relation to said nozzle and the other being revolvably secured by a pivot to said stationary disc, said pivot being non-rotatively secured to the revolvable disc and having a tool

receiving surface in alignment with a discharge opening in said nozzle, and means holding the



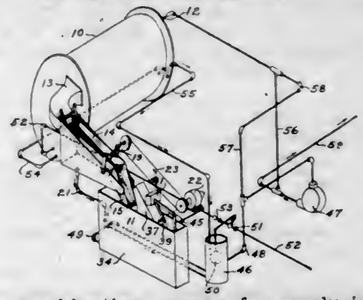
revolvable disc in any selected position with respect to the stationary disc.

1,982,841
PRIMING MECHANISM FOR PORTABLE PUMPS
Mario Tamini, Milan, Italy
Application February 15, 1933, Serial No. 656,796
In Italy February 22, 1932
1 Claim. (Cl. 103—113)



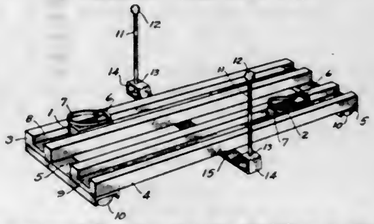
Device for priming and increasing the suction head for a portable pump adapted to suck in water at various levels, such as a fire pump and the like, including the combination, with a main suction pump having a suction pipe, there being means for driving the same, of a group of devices cooperating with said main pump comprising a driven fluid pump, a rotary pump located at the lower end of said suction pipe having a motor directly coupled thereto for driving the same, a pressure pipe and a return pipe connecting said motor and said driven fluid pump in a closed hydraulic circuit so that said fluid pump may drive said motor by means of a circulating liquid, and means for shunting said pressure and return pipes about said fluid pump and either causing said main pump to directly suck up the water through the suction pipe while the auxiliary pump is idle, or causing the main pump and the auxiliary pump to operate in series or parallelism, at will, comprising a shunt pipe connecting said pressure and return pipes, a check valve in said suction pipe, a check valve interposed between one of the pipes connecting the fluid pump and auxiliary pump motor and the shunt pipe, and means for controlling said valves.

1,982,842
ART OF MAKING ICE
William H. Taylor, Milwaukee, Wis., assignor to The Vilter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 13, 1933, Serial No. 670,838
25 Claims. (Cl. 62—105)



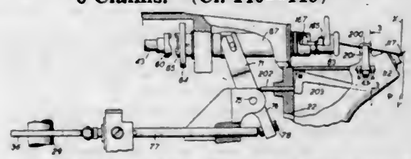
1. In combination, means for producing ice crystals, means for compressing said crystals, reciprocating means for conducting said crystals from said producing to said compressing means and for separating excess liquid therefrom, and means for utilizing the accumulated relatively dry crystals to operate said compressing means.

1,982,843
HEALTH GLIDER
Edward V. Traver, New York, N. Y.
Application June 19, 1934, Serial No. 731,292
7 Claims. (Cl. 272—70)



1. An exercising means comprising a supporting means, parallel guides carried by the supporting means, and foot supporting members slidable in said guides independent of each other, movement of said members being resisted solely by frictional contact of same in the guides.

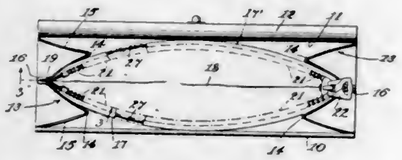
1,982,844
WIRE SPLICING MACHINE
Charles L. Van Inwagen, Jr., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application April 14, 1930, Serial No. 443,993, now Patent No. 1,895,828, dated January 31, 1933. Divided and this application November 30, 1932, Serial No. 644,948. In Canada March 20, 1931
6 Claims. (Cl. 140—119)



1. In a wire splicing machine, the combination with means for twisting the wires, of a pair of jaw members, one of said members being mov-

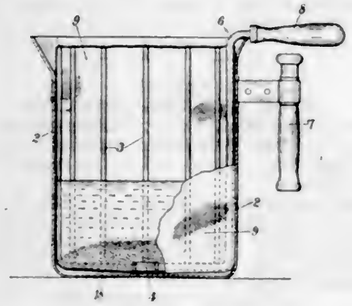
able for yieldably holding the wires against the stationary jaw member to cause the wires to twist with a variable pitch, and means for actuating said movable member.

1,982,845
MOUTH SPREADER OR POCKET STRUCTURE
Morris H. Wagman, Brooklyn, N. Y.
Application July 23, 1930, Serial No. 469,994
2 Claims. (Cl. 150—10)



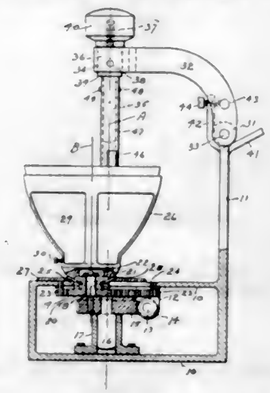
1. In a lady's handbag having a pocket structure composed in part of opposing channel end sections spreadable in substantially parallel planes, spreadable side walls forming a pocket open at the top and having their opposite end portions disposed within the channels of the end sections, means connecting the end edges of the side wall end portions with the sections to enable the side walls, when spreading, to automatically contact with and cause spreading of the sections, means for connecting and disconnecting the top edges of the side walls longitudinally along the open top, and resilient positively self-acting strips embedded between outer and inner layers of said side walls longitudinally thereof adjacent said connecting and disconnecting means, tending normally and automatically to urge the side walls and hence the end sections in spread relation, said connecting and disconnecting means, when connecting the top edges, being effective to prevent the spreading of said side walls.

1,982,846
COFFEEPOT
Nathaniel B. Wales, New York, N. Y.
Application August 3, 1934, Serial No. 738,221
6 Claims. (Cl. 53—3)



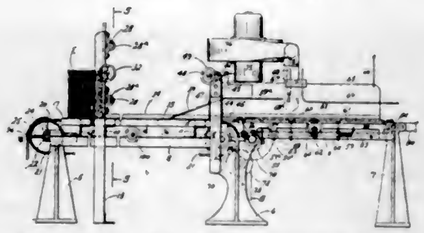
1. A coffee pot of the type described comprising a coffee pot, an open topped porous bag slidably fitting within said pot and extending from the approximate top to the bottom of the same, and a supporting frame therefor within said bag composed of longitudinally radiating rods unsecured at their upper ends and secured one to the other at their lower ends, each rod under individual outward tension against the sides of said bag, and means thereby to secure said bag to said frame.

1,982,847
MIXING MACHINE
Ludlow E. Werner, Brooklyn, N. Y.
Application April 1, 1932, Serial No. 602,426
3 Claims. (Cl. 259—88)



1. In a mixing machine of the class described; a mixing bowl; a non-rotating paddle suspended within said mixing bowl; a planetary gear train for imparting planetary motion to the mixing bowl; said planetary gear train consisting of a driven member, a gear eccentrically mounted upon said driven member, and a stationary internal gear ring with which said first-mentioned gear meshes, the number of teeth of the gear ring and in the eccentrically-mounted gear being prime to each other; and means for clamping the paddle with its lower point in a position over the circle described by the center of the eccentrically-mounted gear, or in any position between this angular position and a position in which the axis of the paddle is parallel with the axis of the bowl.

1,982,848
FOLDING MACHINE
Harry L. Wood, Lakewood, Ohio, assignor to Charles D. Wood & Sons, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 29, 1931, Serial No. 583,633
11 Claims. (Cl. 93—49)



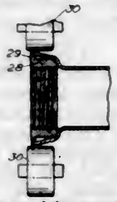
1. A machine for folding corrugated blanks, comprising a support for one or a plurality of blanks, means for feeding the blanks in series in a substantially rectilinear plane into folding position, and folding mechanism for automatically folding the blanks; said mechanism including folding shoes extending parallel to the direction of movement of the blanks and acting on the line of fold on the upper side of the blank, folding and supporting bars positioned on the line of fold on the lower side of the blank, substantially cylindrical folding members extending substantially parallel to said shoes and bars, and means for moving said members transversely of said folding shoes.

1,982,849
DUSTPAN
Thomas N. Badger, Berkeley, Calif.
Application February 1, 1932, Serial No. 592,525
2 Claims. (Cl. 65—20)



1. A dust pan formed from one piece of sheet metal, comprising an inclined back and a dust receiving bottom, said back formed with an integrally extending collar fixedly securing a handle, also comprising sides, each formed of overlapping ears bent up from the portions of the blank of sheet metal forming the back and bottom parts.

1,982,850
METHOD OF MAKING METAL FITTINGS
Reeve H. Banks, Pittsburgh, Pa.
Application September 8, 1931, Serial No. 561,523
3 Claims. (Cl. 29—148.2)



1. The method of making metal fittings, which comprises flaring an end of a pipe, placing a beaded collar in position coaxially of the pipe with its bead against said flared portion, and welding said bead to said portion by passing an electric current through the bead and the metal of the pipe and simultaneously compressing the heated parts to effect flattening of the bead.

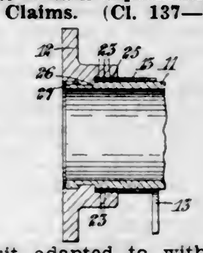
1,982,851
FLIGHT INDICATOR
Preston R. Bassett, Rockville Center, and Elmer A. Sperry, Jr., Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 23, 1929, Serial No. 365,460
Renewed August 25, 1934
15 Claims. (Cl. 33—204)



1. An artificial horizon for aircraft including a fixed indicator representing a normally horizontal position of the aircraft, a cooperating indicator representing the horizon mounted closely adjacent thereto for up and down and tilting movements with respect to said fixed indicator, a gyroscope freely mounted about horizontal axes, and means connecting said gyroscope and movable indicator including means for converting relative pitching of the aircraft and gyroscope into up and down movement of said movable indicator in the same direction as the real horizon appears to move for a corresponding direction of pitch of the craft and for converting relative rolling of the aircraft and gyroscope into like apparent tilting of said indicator.

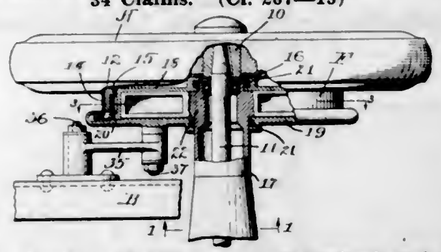
12. In an artificial horizon for aircraft, a gyroscope, an indicator stabilized thereby about both lateral and longitudinal axes, a reference index therefor to show at least pitch about said lateral axis, and means for adjusting said index up or down for different loading of the craft.

1,982,852
PIPE
Eric Maurice Bergstrom, Goring-on-Thames, and William Pollard Digby, London, England
Application September 26, 1931, Serial No. 565,370
In Great Britain September 29, 1930
5 Claims. (Cl. 137—75)



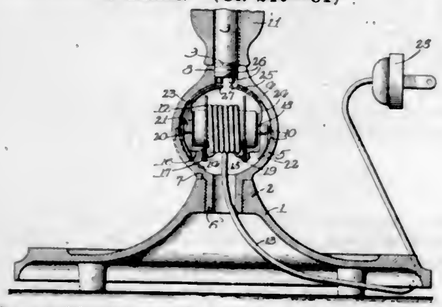
1. A conduit adapted to withstand internal pressure setting up circumferential and axial stresses therein comprising in combination a metallic tube of strength sufficient to sustain the axial stress, a wire armour wound helically on the tube providing strength in a circumferential direction in addition to that of the tube and substantially equal to that of the tube, flanges shrunk over the end turns of the wire adjacent the ends of the tube and collars shrunk over the ends of the wire intermediate the ends of the tube.

1,982,853
VEHICLE
Kenneth A. Brainard, Santa Monica, Calif.
Application May 12, 1933, Serial No. 670,620
34 Claims. (Cl. 267—15)



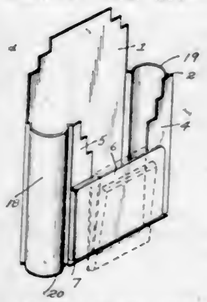
1. A vehicle having a carrying wheel and an axle about which said wheel is revoluble, an abutment connected with said axle, a liquid holding enclosure concentric with said axle and in which said abutment is diametrically arranged to intercept said liquid, a rotary impeller concentric with and rotative about said axle and intercepting the liquid in said enclosure on one side of said abutment, and a load connected with and supported by the resisting torque of said impeller, whereby thrust movement between the wheel and load is converted into resisting torque to neutralize shocks and jars and resiliently support said load.

1,982,854
COMBINED BREAK-JOINT AND ELECTRIC-CORD REEL CASING
Louis Brosilow, William Markoff, and John Orosz, Chicago, Ill., assignors to Rembrandt Lamp Corporation, Chicago, Ill.
Application November 12, 1931, Serial No. 574,652
1 Claim. (Cl. 240—81)



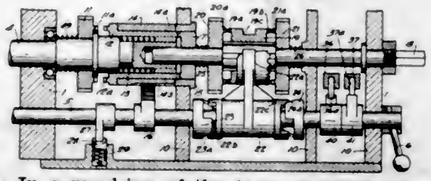
In combination with a portable lamp standard and base, a casing comprising medially divided and detachably interengaged sections, said sections having ways in the relatively opposed portions thereof, one end of the standard fixedly engaging in the way of the uppermost section, a nipple-like extension on the remaining section communicating with the way therein and connected to said base, the standard and casing section engaged thereby being collectively detachable from the remaining and base engaging section, an electric conductor take-up and pay-out means rotatably mounted in the base engaging section, electrical conductors electrically connected to and receivable about said take-up and pay-out means, said conductors passing through the nipple-like extension, other electrical conductors extending through said standard, and electrical contact means connected to said last mentioned conductors arranged in the standard engaging section for detachable electrical contact with portions of the take-up and pay-out means.

1,982,855
COMBINATION CIGARETTE CASE AND MATCH HOLDER
Walter Brunner and John J. Mulkern, Glendale, Calif.
Application January 11, 1933, Serial No. 651,150
3 Claims. (Cl. 206—1)



1. A case of the character described, embodying front, back, side and bottom portions formed from a sheet of material to form the case body, portions of the case body being bent in opposed direction to form said body, one of said portions extending beyond another of said portions extending in the same direction and overlapping a third of said portions extended in the opposite direction, said oppositely extended portions comprising said front portion of said case body, and said overlapping portion providing a means for slidably engaging a supply of matches to said case body.

1,982,856
MECHANISM FOR CONTROLLING THE MOVEMENTS OF A HEAD OR CARRIAGE OF A MACHINE TOOL
Forrest E. Cardullo, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio
Application September 29, 1932, Serial No. 635,433
18 Claims. (Cl. 90—37)

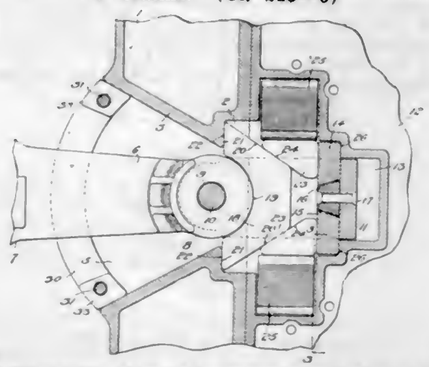


1. In a machine of the type specified, a guide member, a head slidably mounted thereon, mechanism adapted to move the head along the guide member, a first power means adapted to drive the head moving mechanism continuously, a second power means adapted to drive the head moving mechanism intermittently, and rotatable control means, including a shaft manually operable at the head, adapted when in one position to operatively connect the first power means with the head moving mechanism, and when in a second position to operatively connect the second power means with the head moving mechanism.

1,982,857
HARD CEMENTED CARBIDE MATERIAL
Gregory J. Comstock, Edgewood, Pa., assignor to Firth-Sterling Steel Company, McKeesport, Pa., a corporation of Pennsylvania
No Drawing. Application December 1, 1932, Serial No. 645,238
2 Claims. (Cl. 75—1)

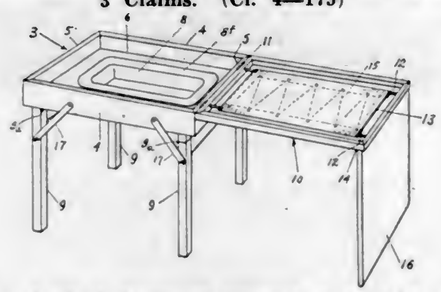
1. A hard cemented carbide material containing about 46% titanium carbide, about 29.62% tungsten carbide, about 12.70% tantalum carbide, and about 11.68% cobalt.

1,982,858
DRAFT RIGGING
Donald C. Davis, deceased, late of Buffalo, N. Y., by Benjamin F. Davis, trustee, Buffalo, N. Y., assignor to The Gould Coupler Company, New York, N. Y., a corporation of Maryland
Application September 9, 1929, Serial No. 391,358
7 Claims. (Cl. 213—6)



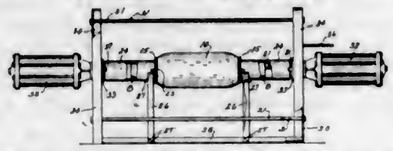
6. In combination, a locomotive pilot beam with an opening in its front face, a coupler with a stem disposed in said opening, a wedge block associated for longitudinal movement with said stem, blocks mounted on said beam adjacent the mouth of said opening and vertically spaced by extensions thereof to receive the stem of the coupler therebetween for guiding purposes, friction blocks associated with said wedge block, and resilient means urging said friction blocks into engagement with said wedge block.

1,982,859
COMBINATION BATH AND SERVICE TABLE
William Derbyshire, Los Angeles, Calif.
Application January 23, 1934, Serial No. 707,944
3 Claims. (Cl. 4—175)



1. A table structure comprising a table top, supporting means therefor, a bath tub mounted upon said table top, an open frame swingingly secured to a side portion of said table top, a sheet member, means to secure said sheet member in an extended position within said open frame, and a combined cover and support for said open frame hinged thereto.

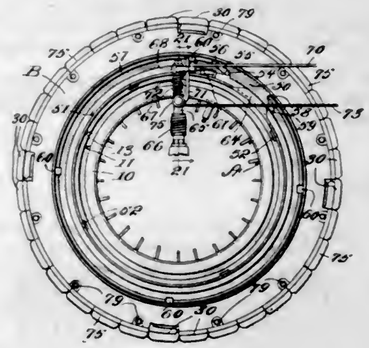
1,982,860
MANUFACTURE OF PNEUMATIC TIRE CASINGS
Charles H. Desautels, Springfield, Mass., assignor, by mesne assignments, to The Fisk Rubber Corporation, a corporation of Delaware
Application December 24, 1931, Serial No. 583,001
3 Claims. (Cl. 154—14)



1. In that method of preparing a pneumatic tire casing, constructed in a generally cylindrical form with its beads abnormally spaced, for insertion in a vulcanizing mold, wherein the casing is brought to an approximation of finished tire shape by positioning a fluid pressure bag within the casing, mechanically moving the beads of the casing toward each other and simultaneously applying fluid pressure to the interior of the casing by inflation of the bag, the steps of at least partially relieving the fluid pressure within the bag after the beads have been moved to final position, to permit self-adjustment of the bag and casing with respect to each other, but without disarranging the assembly, and then reinflating the bag.

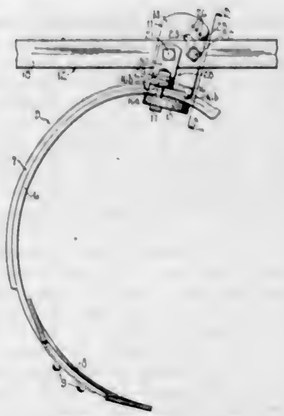
1,982,861
SAFETY AUTOMOBILE TIRE
Albert E. Dietz, Washington, D. C.
Application November 13, 1933, Serial No. 697,831
14 Claims. (Cl. 152—14)

1. In a vehicle wheel tire, a shoe having removable tread sections, adjustable calks between the sections and movable to calking position, and



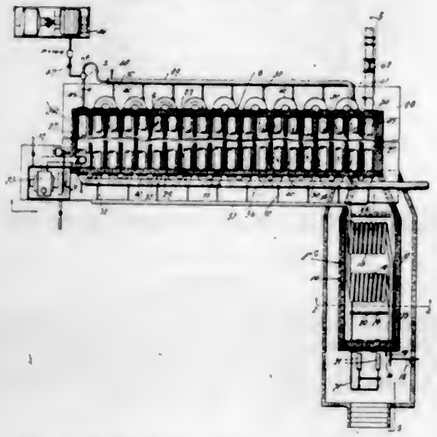
means carried by the shoe for shifting the calks.

1,982,862
CULTIVATOR
Theodore J. Erdman, Horicon, Wis., assignor to The Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application May 3, 1933, Serial No. 669,149
4 Claims. (Cl. 97—198.1)



1. In a cultivator, a drag bar comprising a pair of spaced beams, an L-shaped bracket having a vertical leg and a horizontal leg, the vertical leg being clamped between said beams and said horizontal leg extending laterally to one side of said drag bar, an L-shaped brace having a vertical leg fixed to the outer face of one of said beams and a horizontal leg extending laterally in parallel spaced relation to the horizontal leg of said bracket, a spring tooth having its upper end disposed between the outer ends of said horizontal legs, and means for rigidly clamping said spring tooth and said horizontal legs together, said means comprising a clamping plate disposed between one of said horizontal legs and said spring tooth and having a lug on each side engaging the sides of said spring tooth, and a pair of bolts disposed on opposite sides of said spring tooth and extending through aligned perforations in said horizontal legs and said clamping plate, said spaced horizontal legs forming a bridge-like construction for resisting distortion of the bracket.

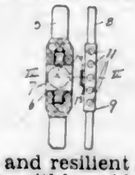
1,982,863
APPARATUS FOR DESTRUCTIVE DISTILLATION OF HYDROCARBONS
Benjamin Q. P. Foss, deceased, late of San Francisco, Calif., by Clarinda G. Foss, administratrix, San Francisco, Calif.
Refiled for abandoned application Serial No. 731,306, August 11, 1924. This application September 5, 1930, Serial No. 479,987
5 Claims. (Cl. 196—110)



1. An apparatus for destructive distillation of hydro-carbons, embodying a furnace or fire box, heating means for the furnace or fire box, a furnace structure having flues connecting with the furnace, the furnace structure sloping from end to end, having a series of transversed flues interconnecting to form a continuous zigzag passage throughout the length of the furnace structure, for gases of combustion and connecting with the furnace, combustion means to heat the furnace, a water vaporizing and superheating steam coil or generator in the furnace, the still structure having a transverse still tube extending through each of the furnace structure flues, return U's connecting adjacent ends of said tubes to form a continuous still tube of zigzag formation leading from the highest point of the still tube, and continuing back and forth through the several furnace structure flues to the lowermost end of the still tube, means to feed hydro-carbons into the highest end of the still tube, each individual tube being mounted to have a slope in the direction of the flow of hydro-carbons towards the lowermost end of the still tube, a trap connecting with the lowermost end of the still tube to trap heavy tarry residue, and check the flow of hydrocarbon vapors, means to inject superheated steam at stated temperatures from said vaporizing and superheating coil or generator under pressure into the return U's of the still tubes in the direction lengthwise of the individual tube, and in the direction of the flow of hydro-carbons.

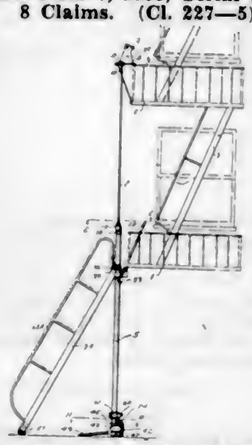
1,982,864
RING ENSEMBLE
Joseph Granat, San Francisco, Calif.
Application May 31, 1934, Serial No. 728,324
2 Claims. (Cl. 63—15)

1. In a ring ensemble, the combination of an engagement ring comprising a shank and a mounting, said mounting being hollow and having openings formed through the side thereof, of a wedding ring having a projection extending from the side thereof, whereby when said rings are placed side by side said projection on said wedding ring will engage the opening in said



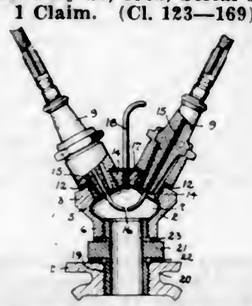
engagement ring, and resilient means for retaining said projection within said opening.

1,982,865
FIRE ESCAPE
Edward Gross, Portland, Oreg.
Application June 7, 1933, Serial No. 674,634
8 Claims. (Cl. 227—5)



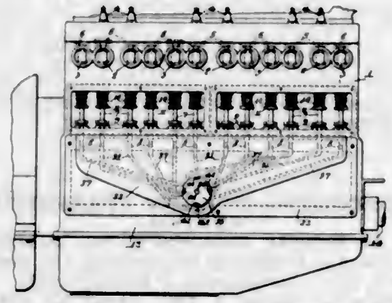
1. In a device of the class described, the combination of a pair of hydraulic cylinders spaced apart, a pair of piston rods for the hydraulic cylinders, means for supporting the piston rods in suspended parallel position from a fixed support, a pair of collars adjustably secured adjacent the upper end of each of the hydraulic cylinders, a step-ladder hingedly and slidably supported by bands disposed about the hydraulic cylinders and between the above mentioned collars, and means for locking the ladder relative to the cylinders when lifting effort is applied to the ladder.

1,982,866
SPARK PLUG
Alexander A. Guziel and Arnold Korff, Hollywood, Calif.
Application July 20, 1932, Serial No. 623,594
1 Claim. (Cl. 123—169)



A spark plug adapting and supporting means, comprising a body having a bulged symmetrically perforated chambered top portion and a contracted neck portion open at its bottom, straight seating surfaces on said top portion encircling the perforations thereof, and an exteriorly threaded tubular extension for the open bottom portion of said adapting and supporting means, the chamber in said hollow top portion being of substantially double cone-shape and having its vertical axis aligned with the axis of said body to direct explosion impulses axially downwardly into said tubular extension.

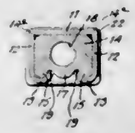
1,982,867
VALVE OPERATING MECHANISM
Stephen Edgar Hall, Concord, N. H., assignor of one-half to George G. Lee, Concord, N. H.
Application June 8, 1933, Serial No. 674,931
2 Claims. (Cl. 123—90)



1. In an internal combustion engine the combination with intake and exhaust valves, of a member having bores therein, stems projecting from the valves and working within the respective bores to constitute pistons, a member having a bore, spaced blocks secured within the bore, each block having bores extending therethrough, plungers mounted for reciprocation within the respective block bores, all of the plungers being movable along parallel lines, a disk mounted for rotation between the blocks, and having opposed cam faces for wiping engagement with the plungers in the respective blocks thereby to shift the plungers longitudinally in a predetermined timed relation, means actuated by the engine for rotating the disk, heads closing the ends of the bore in said member and connected to the blocks, there being bores within the heads for communication with the bores in the respective blocks, there being passages in the member extending from the bores in the heads to the bores in which the valve stems are seated, said passages and the bores communicating therewith constituting means for holding power transmitting fluid, each of the heads and the blocks connected thereto being adjustable annularly to advance or retard the actuation of its plungers without cutting off communication between the bores in the head and the passages in the member.

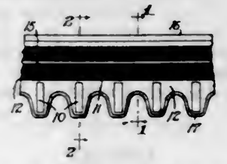
1,982,868
CASTER MOUNTING SOCKET
Walter F. Herold, Fairfield, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application October 12, 1932, Serial No. 637,437
7 Claims. (Cl. 16—29)

1. In combination with a sheet metal channel leg having front and side portions, the rearward edges of the side portions being bent inwardly and forwardly to provide vertically extending hook portions contiguous to each side and being spaced apart to provide an opening at the rear, a caster mounting insert-member having outwardly disposed front, rear and side surfaces inserted in the lower end of the channel leg with a force fit, means at the rear of said insert member disposed within said leg and interlocking



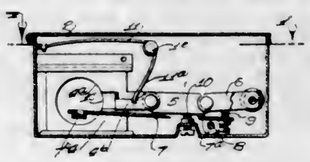
with said hook portions of said leg to draw the sides of said leg rearwardly from the front and to prevent outward lateral displacement of said sides, the insert member disposed between said sides adapted to prevent inward lateral displacement of said sides..

1,982,869
FLEXIBLE BELT AND METHOD OF MAKING IT
Don Heyer, Los Angeles, Calif., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif., a corporation of California
Application April 15, 1931, Serial No. 530,339
10 Claims. (Cl. 154—4)



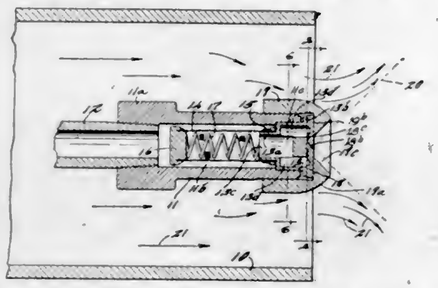
3. A method of making flexible endless V belts which comprises forming a molded rubber section with inserts equally spaced at the inner periphery and horizontally arranged, together with layers of cord material, winding plies of bias-cut fabric circumferentially, covering with a layer of rubber, compressing the laminations and vulcanizing the unit to form.

1,982,870
ANIMAL TRAP
Winthrop P. Howland, Pacific Beach, Calif.
Application August 29, 1933, Serial No. 687,300
7 Claims. (Cl. 43—94)



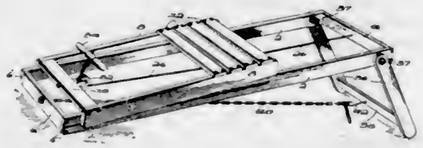
1. In an animal trap, a casing having an aperture therein, a gate having an opening adapted to register with said aperture, link and lever means connected with said gate and casing, arranged to occupy a slight over-center position, an element for urging said gate out of registry with said aperture said element being restrained when said link and lever means is over-center, and a trip lever having a portion in proximity to said aperture and opening and a portion engageable with said link and lever means to shift the same into a position responsive to said element.

1,982,871
NOZZLE FOR LIQUID FUEL BURNERS
William A. Hubbard, Minneapolis, Minn.
Application February 17, 1933, Serial No. 657,189
3 Claims. (Cl. 299—120)



3. A nozzle for a liquid fuel burner having in combination, a substantially cylindrical shell through which fuel passes, a disk having a flat outer surface and a central discharge aperture extending therethrough, through which said fuel is discharged in the form of a cone having its apex at said aperture and a cap for said shell having a curved surface converging at its outer end toward the central longitudinal axis of said nozzle, said cap having a frusto-conical recess in its outer end coaxial therewith, the wall of which extends from the flat outer surface of said disk to said curved surface and intersects said latter surface at a substantially acute angle, said wall being arranged to be closely adjacent the sides of said discharge cone of fuel.

1,982,872
EXERCISER
Harry F. Husted, Galeton, Pa., assignor to Harry H. Newton, Galeton, Pa.
Application November 25, 1932, Serial No. 644,387
11 Claims. (Cl. 272—72)

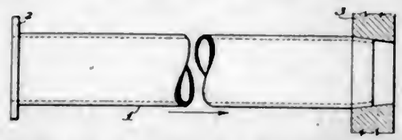


1. An exerciser comprising a slanting frame, a movable seat mounted on said frame, and a roller beneath one end of said seat, said roller adapted to receive a cable wound thereabout and extending to one end of said slanting frame and a cable wound thereabout in the opposite direction and extending through a pulley carried by one end of said seat.

1,982,873
TREATMENT OF BERYLLIUM-BEARING ORES
Charles James, Durham, N. H.; Marion E. James, executrix of said Charles James, deceased, assignor to Skinner & Sherman, Inc., Boston, Mass., a corporation of Massachusetts
No Drawing. Application October 27, 1928, Serial No. 315,595
6 Claims. (Cl. 23—16)

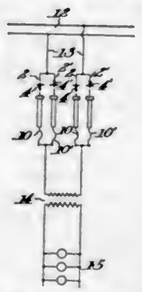
1. That step in the herein described process of recovering beryllium, which comprises fusing a mixture of a beryllium-bearing ore and lime with a carbonaceous fuel in the blast furnace.

1,982,874
METHOD OF TAPERING TUBES
John Kenneth Jamison, Monessen, Pa., assignor to Hamilton Standard Propeller Company, Hartford, Conn., a corporation of Delaware
Application August 12, 1933, Serial No. 684,843
13 Claims. (Cl. 29—156)



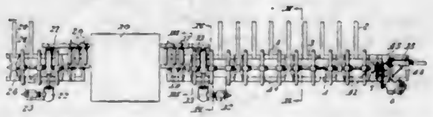
1. A method of forming a tapered blank from a tube, comprising reducing one end of the blank radially and progressively in tapered steps of decreasing diameter, inserting in the blank a tapered mandrel having an exterior of dimensions desired for the interior of the blank, swaging the blank on the mandrel in ring dies and thereby converting its stepped reduced portion to a smooth taper interiorly conforming in shape and dimensions to the mandrel taper.

1,982,875
ALTERNATING CURRENT TRANSMISSION SYSTEM
Carl G. Koppitz, Greensburg, Pa., assignor to Railway & Industrial Engineering Co., Greensburg, Pa., a corporation of Pennsylvania
Application August 9, 1933, Serial No. 684,468
5 Claims. (Cl. 175—294)



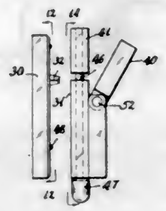
1. An alternating current circuit including a series section comprising two parallel paths, oppositely arranged rectifier systems in said paths for restricting the current flow in said paths to half cycles of opposite polarity, and means in each of said paths for interrupting current flow therein.

1,982,876
APPARATUS FOR HANDLING PLATES
Harold E. McCrery, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application December 4, 1931, Serial No. 578,907
24 Claims. (Cl. 51—8)



1. Apparatus for handling plates, comprising a table, means for tilting the table to support the plate thereon at an angle inclined to the horizontal, and means for feeding the plate along the table.

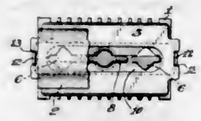
1,982,877
MOLD FOR MANUFACTURING ORNAMENTS
Bernat Mechlovits, New York, N. Y.
Application April 25, 1933, Serial No. 667,783
8 Claims. (Cl. 22—153)



1. In a mold for casting ornaments as described, a male die adapted to engage in face contact with a female die and formed with openings for forming the bottom side of an ornament extending into the female die, said female die comprising several separable sections including a head piece edgewise separable with openings for forming the edge walls of the ornament and arranged to separate on the horizontal center line and having projections for forming the settings for jewels, and a back piece endwise separable with openings for forming the end wall of the ornament and having projections for forming the settings for the jewels, rods connecting with said head piece and slidably engaging through said female die for limiting the head piece to edgewise motion.

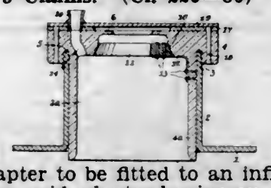
8. In a mold for casting ornaments, die sections with openings for the molten metal to form the sides of the ornament, recesses extended in from a surface of the die sections and arranged around said openings, and pins engaged through the die sections extending from the recesses into said openings and having their front ends arranged for forming jewel settings and having their rear ends extending into the said recesses.

1,982,878
SAFETY RAZOR
Joseph Muros, Astoria, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 10, 1931, Serial No. 529,154
10 Claims. (Cl. 30—12)



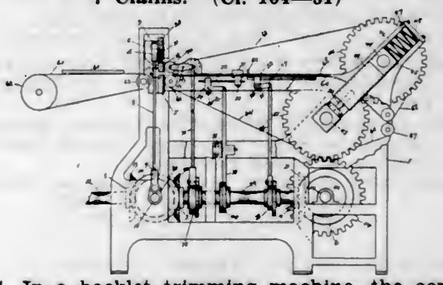
1. A safety razor comprising a head and a handle, said head including a cap, a guard, an apertured adapter and a blade having a large aperture, said cap having a positioning projection extending through the blade and adapter and engaging the latter, said projection extending toward the guard but spaced from the guard and blade, said guard having a projection also extending through the blade and adapter and engaging the latter but spaced from the blade and the cap, said projections being arranged in spaced relation whereby the cap and guard are aligned by the projections and the co-acting adapter, said adapter having projections engaging and positioning the blade, and co-acting means on said cap and handle to clamp the parts together.

1,982,879
ADAPTER FOR EXPLOSIVE FLUID TANKS
Frederick C. Overbury, Hillsdale, N. J.
Application October 27, 1931, Serial No. 571,473
5 Claims. (Cl. 220—86)



1. An adapter to be fitted to an inflammable-fluid receiver, said adapter having an opening to communicate with a tubular fluid conductor applied thereto and consisting of an annular gasket having means to form with the receiver a seal around said opening and an inward elastic lip around the opening more yielding continuously thereof than the remainder of said gasket.

1,982,880
AUTOMATIC BOOK CUTTING MACHINE
Peter T. Pachter, Chicago, Ill.
Application February 15, 1932, Serial No. 592,932
7 Claims. (Cl. 164—51)

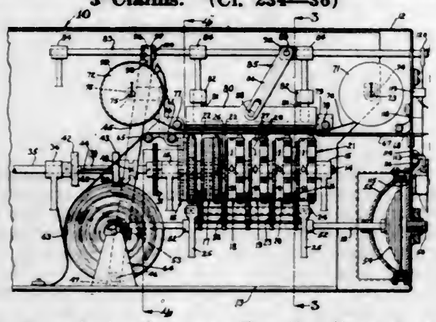


1. In a booklet trimming machine, the combination with a suitable conveyor system to carry the booklets through said machine, of suitable movable stops for stopping said booklets under the shear, automatic means for lowering said stops to permit the forward movement of the booklets, a spring actuated clamp for holding said booklets firmly beneath the shear, a reciprocating shear for cutting the front edge of said booklet, header-up means for shifting said booklets into the path of circular cutters, said means being adjustable and slidably mounted and rotating circular cutters for trimming the ends of said booklets.

1,982,881
MANUFACTURE OF COATINGS AND THE LIKE ARTIFICIAL MASSES
Wilhelm Pungs and Karl Eisenmann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application March 13, 1929, Serial No. 346,796. In Germany March 16, 1928
3 Claims. (Cl. 134—26)

1. Homogeneous coating compositions comprising a resinous condensation product of a compound selected from the group consisting of urea and thiourea with formaldehyde, which condensation product is soluble in a butyl alcohol, a cellulose ester, a varnish derived from a drying oil capable of forming non-melting films and selected from the class consisting of linseed oil and China wood oil and a substantially non-volatile softening agent capable of dissolving each of the aforesaid solid constituents.

1,982,882
FLIGHT RECORDER FOR AIRCRAFT
Thornton R. Rhodes, Riverside, Calif.
Application March 6, 1933, Serial No. 659,636
3 Claims. (Cl. 234—36)



1. In a device for recording the time an aircraft is in flight, said device including a time printer, means to drive said time printer, a coupling device for operatively connecting together said drive means and said printer, a diaphragm member actuated by movement of air currents, and means actuated by said diaphragm and operable to cause said printer to print.

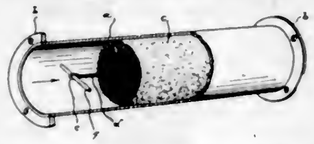
1,982,883
HERMETICALLY SEALED TIN AND OTHER CONTAINER AND METHOD OF SEALING THE SAME
Donald Southwell Richardson, London, England, assignor to Ring Containers Limited, London, England, a British Company
Application February 2, 1933, Serial No. 654,804
In Great Britain April 21, 1932
6 Claims. (Cl. 220—27)



1. In a hermetically sealed container, a container body, a seal of thin pliable sheet material closing the mouth of said body and having its marginal portion lying outside the same, a clamping ring of hollow formation having an outer wall of predetermined diameter and an expansible inner wall that clamps said marginal portion of the seal against the outside of said mouth, which inner wall and the co-operating outer face of the mouth are of such a size before being assembled that when forcibly assembled with the margin of the seal between them, the thickness of the interposed material is accommodated by the expansion of the said inner wall while the diameter of the outer wall remains unchanged.

1,982,884
APPARATUS FOR PRODUCTION OF FOAM BY MECHANICAL MEANS
Einar Schrøder and Jan Arent Schønheyder van Deurs, Copenhagen, Denmark
Application February 13, 1933, Serial No. 656,636
In Denmark February 16, 1932
3 Claims. (Cl. 261—75)

1. An apparatus for mechanically generating foam comprising a tube through which foam-generating substances are to be passed and a stationary brush located in the said tube so as to fill up the free cross-sectional area of the latter and comprising a centrally disposed supporting member and a plurality of bristles supported by the said member and engaging at their free ends the inner wall of the tube and being free to move relatively thereto.



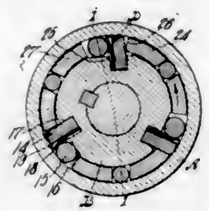
1,982,885
INSULATOR AND CATHODE EMBODYING THE SAME
Semon H. Stupakoff, Pittsburgh, Pa., assignor to Stupakoff Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 2, 1932, Serial No. 602,819
17 Claims. (Cl. 250—27.5)



1. A cathode assembly comprising a metal sleeve member, an insulator member within the sleeve member extending longitudinally thereof, a heater wire passing through the insulator member, one of said members having point-like projections thereon for contacting with the other member to hold the insulator member in spaced relation to the inside of the sleeve member.

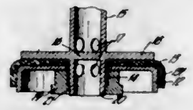
5. A cathode construction comprising a straight metal sleeve of cylindrical cross section which is substantially cylindrical, an insulator within the sleeve extending longitudinally thereof contacting with the interior of the sleeve at at least three equi-distantly spaced points around the interior, said insulator having a wire extending longitudinally therethrough.

1,982,886
DRIVING-LOCKING-RELEASING MEANS
Guy E. Swartz, Detroit, Mich.
Application November 25, 1931, Serial No. 577,289
12 Claims. (Cl. 192—8)



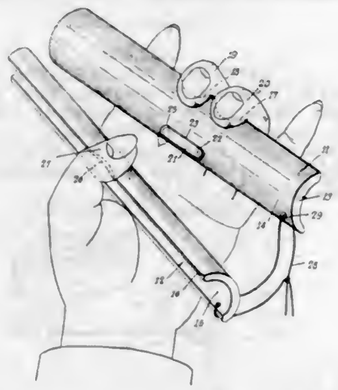
1. In a locking mechanism, a casing, a driven member in said casing, a block inserted into said driven member, a driving member to engage said driven member to rotate the same for a driving movement thereof, and a roller adapted to be wedged to lock said mechanism against reverse rotation upon completion of a driving movement thereof and to be released upon a rotative movement of said driving member in the opposite direction.

1,982,887
PUMP
Warren A. Tanner, Albany, N. Y.
Application May 24, 1933, Serial No. 672,659
4 Claims. (Cl. 103—225)



1. In a pump, a cylindrical casing, a hollow piston stem, a piston loosely mounted thereon, said piston stem being provided with an internal transverse partition and an external flange of a diameter less than that of said casing and with lateral openings on each side of said partition and flange, the upper side of said piston being covered with a flexible material forming a substantially fluid tight seal when seated against said flange.

1,982,888
RHYTHM STICKS
Keijuro Tsukamoto, Los Angeles, Calif.
Application August 4, 1934, Serial No. 738,410
10 Claims. (Cl. 46—46)



1. In a device as described, a pair of sticks, one having means for engagement with the fingers and the other having means for engagement by the thumb, said sticks being adapted to be clasped in the hand and to be clapped together on closing the hand, one of the sticks having means for attachment to a finger.

1,982,889
PENCIL
Edward Turnberger, Newark, N. J.
Application August 3, 1931, Serial No. 554,805
8 Claims. (Cl. 120—14)

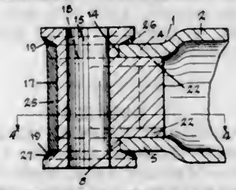
1. A barrel composed of separable hollow sections, one of said sections having a closed end, a lead magazine, a removable plug for closing one end of said magazine and projecting beyond the end thereof, said magazine having its opposite end provided with an aperture to permit the individual leads to be withdrawn therethrough, said lead magazine being insertable into said second mentioned barrel section so that the plug projects from said second barrel section and with its apertured end disposed toward the apertured end of said second mentioned barrel section.

6. A lead magazine for pencils including a tubular body adapted to hold a supply of leads and having an end provided with an aperture for the discharge of individual leads therethrough



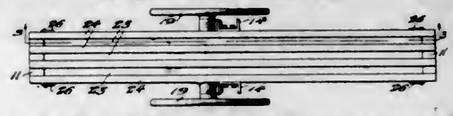
and a sleeve freely slidable in the bore of said magazine and adapted to agitate the leads therein.

1,982,890
TUBULAR AXLE
Bertis H. Urschel, Bowling Green, Ohio
Application March 23, 1933, Serial No. 662,305
2 Claims. (Cl. 301—124)



1. In an axle, the body of the axle formed from steel tubing and having end portions formed substantially rectangular in cross-section, bushings having cylindrical portions and located in said end portions, each bushing having channels, one located at each end, the sides of the end portions having inwardly extending flanges, the edge portions of the top and bottom of the end portions and the flanges engaging the sides of the channels nearer to the axis of the end portions of the tubing, the sides of the channels more remote from the said axis of the tubing formed to have frustumal surfaces for guiding the flanges into fitting relation with the bottoms and the sides of the channels nearer the said axis of the tubing, the sides of the end portions curved cylindrically and fitting the outer side of the bushings, and welded to the said end portions.

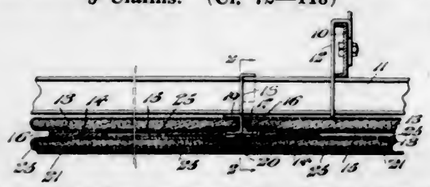
1,982,891
MACHINE FOR MOLDING FLOOR SLABS
Frederick M. Venzie, Philadelphia, Pa.
Application November 18, 1931, Serial No. 575,837
3 Claims. (Cl. 25—41)



1. A machine for forming a block from plastic material comprising a stationary table, said table being provided with longitudinal parallel slots in the bottom thereof, and means, removably positioned in said slots, the side walls of said slots lying in planes normal to the plane of said table, in contact with the sides thereof, for form-

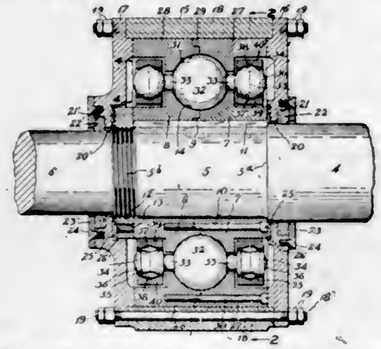
ing portions of one face of said block, said table forming means for forming the remaining portions of said face and means for positioning said removably positioned means a predetermined variable distance below the plane of the upper face of said table, whereby grooves of predeterminably variable depths may be formed in said face of said block.

1,982,892
PLASTER BOARD OR LIKE BUILDING CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa.
Application June 16, 1932, Serial No. 617,540
5 Claims. (Cl. 72—118)



1. In a building construction of the character stated a channel iron; panels each comprising superimposed units, and means for spacing apart said units and securing them in said relationship; and a clip attached to said channel iron, said clip being provided with opposed feet for engaging adjacent panels between the superimposed units of each, whereby said feet are concealed by the outermost of said units.

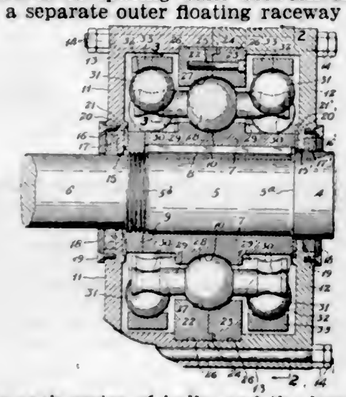
1,982,893
ANTIFRICTION BEARING
Odell Wilson, Auburn, Calif.
Application May 19, 1934, Serial No. 726,543
6 Claims. (Cl. 308—206)



1. In anti-friction bearing construction, inner and outer raceway members and rotatable thrust and radial load bearing members rolling on and between the raceway members, trunnions projecting axially of the bearing from each rotatable bearing member between the raceway members, series of spacing balls between the trunnions, and separate concentric floating raceway rings retaining each series of balls.

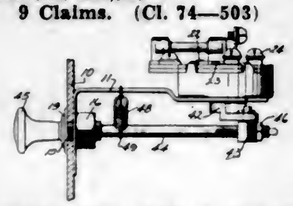
1,982,894
ANTIFRICTION BEARING
Odell Wilson, Auburn, Calif.
Application June 5, 1934, Serial No. 729,041
3 Claims. (Cl. 308—206)

1. In anti-friction bearing construction, inner and outer raceway members and rotatable thrust and radial load bearing members rolling on and between the raceway members, trunnions projecting axially of the bearing from each rotatable bearing member between the raceway members, series of spacing balls between the trunnions, a separate outer floating raceway ring re-



taining each series of balls, and the locus of the axes of rotation of the trunnions being spaced radially inward of the locus of the centers of rotation of the spacing balls whereby the rotatable bearing members and trunnions thereof are maintained in alignment axially of the bearing.

1,982,895
CONTROL MECHANISM
Robert K. Winning, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Original application June 10, 1929, Serial No. 369,713. Divided and this application July 22, 1932, Serial No. 623,933
9 Claims. (Cl. 74—503)

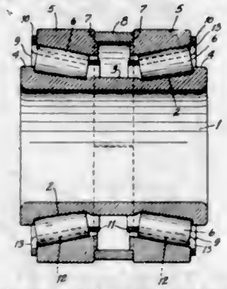


1. The combination with a bracket having first and second angularly related apertured arms, of mounting means for the first arm comprising a tubular bearing, a rod movable through said bearing and provided with a handle, said rod being approximately parallel to the second arm of the bracket, an instrument mounted on said second bracket arm on the face thereof opposite to the first bracket arm and including a rock shaft projecting through the aperture of said second arm toward said rod, a crank on said rock shaft at the side of said second arm opposite to said instrument and between said second arm and said rod, and means connecting said rod with said crank for the operation of said instrument rock shaft.

1,982,896
ROLLER BEARING
Paul C. Ackerman, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application September 16, 1933, Serial No. 689,716
5 Claims. (Cl. 308—214)

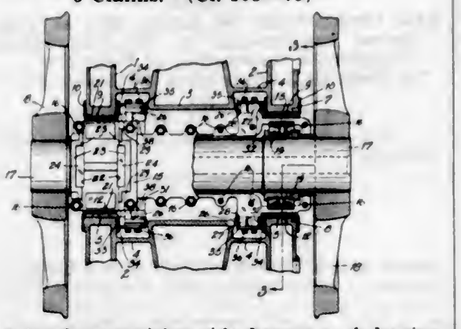
1. A roller bearing comprising an integral inner bearing member having two inwardly tapering raceways, separate outer raceway members,

rollers interposed between the inner and outer raceway members, a spacing cage for each series of rollers, a spacing member between the outer



raceway members, said cage having pockets for the individual rollers extending entirely through the large ends of the cage and means for preventing endwise movement of said cage.

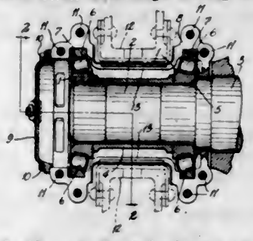
1,982,897
RAILWAY TRUCK
Henry A. Bergert, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 17, 1932, Serial No. 617,741
6 Claims. (Cl. 105—79)



1. A truck comprising side frames each having an opening therein defined by pedestals and a channel-shaped wear liner fitted around one of said pedestals, axle housings having enlarged ends slidably mounted in said openings, wheeled axles extending through and beyond said housings, thrust plates rockably mounted on the sides of said housing inwardly from said pedestals and each having a flat surface portion normally spaced slightly inwardly from said liner and constituting a thrust surface facing the side face of the flange of said wear liner for engaging the same to prevent excessive transverse movement of said axle housing with respect to said side frame.

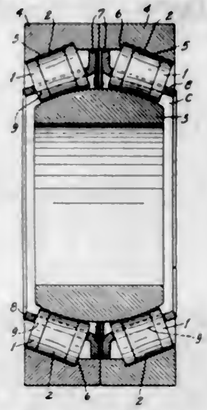
1,982,898
TRUCK FOR LOCOMOTIVES, PASSENGER CARS, AND THE LIKE
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 16, 1933, Serial No. 651,922
5 Claims. (Cl. 105—218)

1. A truck for locomotives, passenger cars and the like comprising wheeled axles, frames having pedestal jaws and equalizer systems, the sides of said pedestal jaws being in close proximity to the hubs of said wheels, two series of tapered roller bearings and a housing therefor at each end of the axles, the bearing rollers being shorter than their diameter and the larger ends of the inner raceway members of said bearings facing toward each other, thereby minimizing the distance that the bearing projects towards the wheel end of said housing the portion of the housing between said bearings being longer than



the width of the pedestal jaws and narrow enough for said jaws to straddle and the tops of said housings arranged to directly cooperate with said equalizer systems, all the dimensions of said truck being within the limits of similar A. R. A. standard trucks with plain bearings.

1,982,899
ROLLER BEARING AND CAGE
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 21, 1933, Serial No. 676,771
6 Claims. (Cl. 308—214)

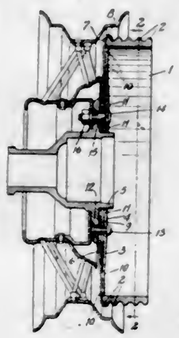


1. A roller bearing comprising an outer bearing member having a conical raceway and a thrust rib, rollers of generally conical form mounted in said bearing member with their large ends abutting against said thrust rib and a cage for the rollers having an outwardly projecting annular flange extending across the large ends of the rollers and fitting snugly in the circular bore formed by said thrust rib and having a circular ring extending across the small ends of the rollers, said cage being disposed radially inward of a circle passing through the axes of said rollers, so that said rollers and cage form a self-contained unit.

1,982,900
BRAKE DRUM
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 5, 1934, Serial No. 705,341
9 Claims. (Cl. 188—218)

2. A brake drum comprising a back and a rim mounted thereon, said back having a circular

plate whose periphery forms a seat for the rim and a second plate concentric therewith with its



marginal portion extending beyond said seat and enclosing the end of said rim.

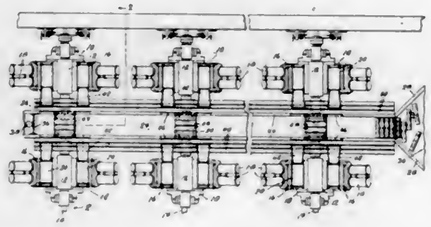
1,982,901

CONVEYING SYSTEM FOR WOOD GRINDERS

Charles H. Burr, East Millinocket, Maine, assignor to Great Northern Paper Company, Millinocket, Maine, a corporation of Maine

Application October 30, 1931, Serial No. 572,000

2 Claims. (Cl. 214—152)



1. The method of conveying logs involving the use of a pond and a conduit forming an outlet of the pond, which method comprises storing a supply of logs in haphazard order in said pond and moving logs, as required, toward the entrance of the conduit, arranging the logs crosswise of the conduit and moving them as so disposed into the conduit, floating them down the conduit crosswise thereof by the current therein, withdrawing the logs lengthwise thereof from the side of the conduit and sliding them by gravity to an outlet, and stopping the foremost log from advance with the water current so that the current moves the logs one against the other and fills the gap between adjacent logs caused by the withdrawn log with another log.

1,982,902

FEEDING MECHANISM

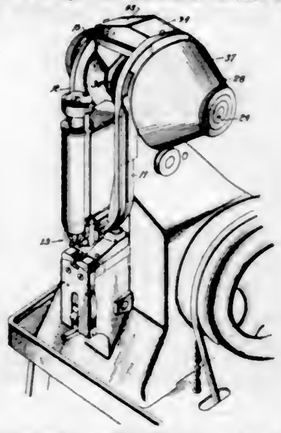
John M. Clark, Detroit, Mich., assignor to Universal Button Fastening & Button Company, Detroit, Mich., a corporation of Michigan

Application March 11, 1931, Serial No. 521,637

In Canada September 28, 1929

12 Claims. (Cl. 218—12)

1. In a machine of the character described, the combination comprising a feeding hopper having a rotary portion whose free edge is spaced from the fixed portion of said hopper to provide a space for the discharge of articles from said hopper,



and an eccentric adjusting pin for moving said rotating portion to adjust the width of said space.

1,982,903

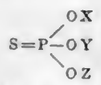
ORGANIC ESTERS OF THIOPHOSPHORIC ACID

Erik Clemmensen, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application December 31, 1931, Serial No. 584,290

5 Claims. (Cl. 260—99.20)

1. An ester composition having the structural formula:



where X is a phenyl radical; Y is a phenyl radical or an alkyl radical, and Z is an alkyl radical.

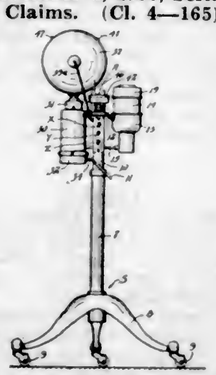
1,982,904

STEAMING APPARATUS

Rex E. Davis and Anton H. Nielsen, Minneapolis, Minn., assignors to Charles Arnao Company, Minneapolis, Minn., a corporation of Minnesota

Application November 1, 1930, Serial No. 492,788

2 Claims. (Cl. 4—165)



1. Apparatus for giving scalp steaming treatments comprising a standard, a hood supported from said standard and adapted to loosely receive the scalp of a human head, said hood comprising a generally cylindrical casing extending substantially horizontally open at its forward end and open at its lower portion from said forward end to a point adjacent the rear thereof to accommodate the scalp portion and neck of a human head, the rear end of said hood being closed and forming on its interior a concave deflecting surface, a steam discharge nozzle mounted in the lower portion of said hood adjacent the rear thereof and directed toward said deflecting surface whereby discharged steam will be prevented from directly contacting the scalp of the person treated, but will be uniformly distributed by said deflecting surface and the top of said hood against the area of such scalp and means for connecting said nozzle with a source of steam supply.

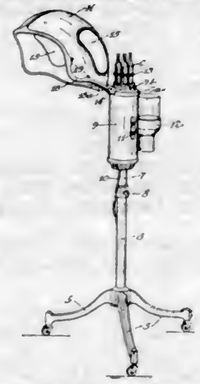
1,982,905

SCALP STEAMER

Rex E. Davis, Anoka, Minn., assignor to The Charles Arnao Co. Inc., Minneapolis, Minn., a corporation of Minnesota

Application December 7, 1932, Serial No. 646,059

3 Claims. (Cl. 128—256)



1. A scalp steamer comprising a hood having an opening in the lower and forward portions thereof and adapted to loosely surround the scalp of a human head, said opening being defined by an irregular annular edge, the lowest point of said edge being disposed at the rear of said hood, a source of steam supply having its discharge in communication with the interior of said hood and directed upwardly against said hood for deflection and distribution, a rim secured to the lower edge of said hood and having an up-turned inner flange throughout its length constituting a trough, the inner contour of said hood being rounded whereby all moisture condensing against said hood will flow to and be collected by said trough, said rim being so arranged that collected moisture will be returned to the discharge of said source of steam supply.

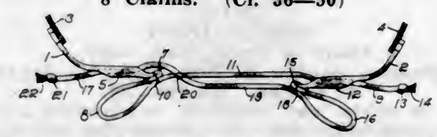
1,982,906

FASTENER

Robert T. Dawes, Hudson, Mass.

Application October 29, 1931, Serial No. 571,769

8 Claims. (Cl. 36—50)



1. A constricting fastener combined with a bight of material adapted to embrace a portion of the human anatomy, said fastener comprising a pair of gripper sleeves of braided material each united at one end to the material of the bight, each sleeve having an integral extension at its other end, each such extension having a looped portion of fixed length adjacent to the sleeve and constituting a loosening pull, each extension also having an elongate portion extending longitudinally through the other sleeve and constituting a tightening pull.

1,982,907

PROCESS FOR STABILIZING THE FLAVOR AND ODOR OF FATTY MATERIALS

Eddy W. Eckey, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application August 22, 1932, Serial No. 629,887

13 Claims. (Cl. 99—11)

1. The process of treating fatty materials to stabilize odor and flavor which comprises mixing therewith substantially inert pulverulent material and acid having antioxidant properties toward fats, and thereafter removing at least the major portion of pulverulent solid from the fatty material.

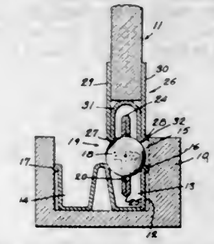
1,982,908

TRACK FOR SLIDING SASHES

Robert I. Eustis and Fred S. Beiger, Los Angeles, Calif., assignors to Eustis Specialty Company, Inc., Los Angeles, Calif., a corporation of California

Application February 3, 1932, Serial No. 590,692

11 Claims. (Cl. 308—6)



11. A track for sliding sash comprising two opposed channel members, balls disposed between the edges of the channel members enabling the upper channel member to roll with respect to the lower channel member, a cage for the balls, said cage being formed of a single piece of sheet metal providing one complete side and two half sides integral therewith and connected thereto by reverse bends so that the top and bottom edges of the cage are smooth and continuous, the balls being disposed within the cage and partially projecting from opposite sides thereof, the top of the cage projecting upwardly into the upper channel, and the bottom of the cage projecting downwardly into the lower channel.

1,982,909

INSECTICIDE COMPOSITION AND METHOD FOR ITS APPLICATION

Wesley P. Flint and George L. Hockenyos, Urbana, Ill., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

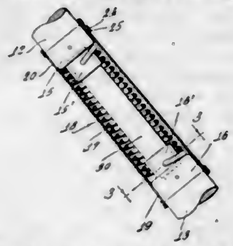
No Drawing. Application December 6, 1929, Serial No. 412,278

14 Claims. (Cl. 167—22)

8. An insecticide for eradication of earthworms, a water dispersible emulsion containing a toxic agent and a material having relatively little

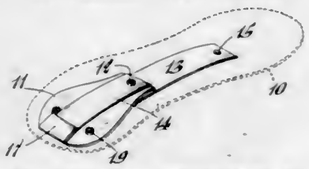
toxic value, but having substantial irritating effect and capable of penetrating the surface of the earth to a substantially greater extent than the effective range of the toxic agent.

1,982,910
MOP HANDLE
Gertrude K. Forbes and Frederick A. Speik, South Pasadena, Calif.
Application August 5, 1933, Serial No. 683,776
3 Claims. (Cl. 287—86)



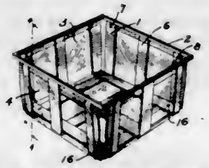
1. A handle having an upper and a lower section, a spring having a helical coil connecting said sections for flexing of one section in regard to the other, and a leaf spring mounted within said helical coil spring and connected to the upper and lower sections of the handle and limiting the flexing action of the helical spring to one plane only, and a rigid member movable to engage both of the sections and hold said sections in rigid relation one with the other.

1,982,911
ARCH SUPPORT
Earl E. Fuller, Buffalo, N. Y.
Application July 29, 1932, Serial No. 625,679
11 Claims. (Cl. 36—71)



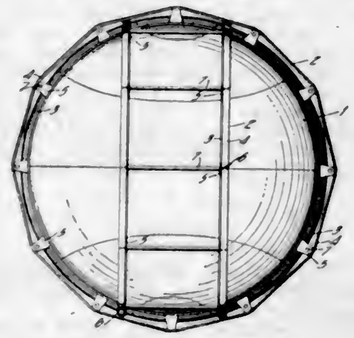
1. An arch support, comprising an anterior, metatarsal arch-supporting plate adapted for connection at one end to an insole element, and a spring overlying said plate and secured at one end to the connecting end of said plate.

1,982,912
CONTAINER
Shirrell Watson Graves, San Francisco, Calif.
Application September 2, 1933, Serial No. 687,976
5 Claims. (Cl. 217—122)



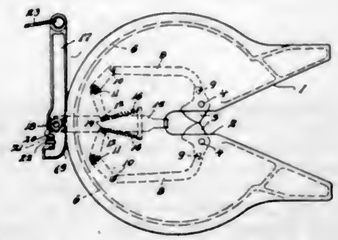
1. An open topped sloping walled container with windows in its walls and bottom comprising a soft metal binding rim, a supporting frame consisting of a plurality of U shaped strips, spaced apart to provide openings, and with their ends gripped in said rim, and a transparent material applied thereover to form the bottom and walls of the container and provide windows whereby a partial view of the contents of the container will be visible through the windows in the bottom and side walls.

1,982,913
WATER BALL
Gurney T. Hansen, Colonie, N. Y.
Application March 27, 1933, Serial No. 662,939
3 Claims. (Cl. 272—1)



1. An amusement device comprising a buoyant body substantially circular in cross section and provided with an endless ladder unattached to said body and the sides of which extend circumferentially thereof.

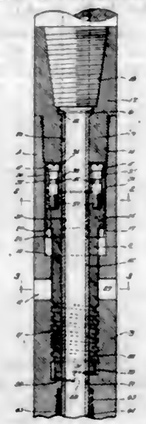
1,982,914
OPERATING MEANS FOR LOCKING JAWS
Elmer F. Hathorn, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application November 20, 1933, Serial No. 698,893
12 Claims. (Cl. 280—33.1)



2. In combination with a female fifth wheel assembly having a mounting upon which it is pivotally supported, and a pin receiving slot having locking jaws working therein, means for operating said locking jaws, including a drawbar and a lever movable to a position on line with the drawbar to hold the locking jaws open, said lever abutting against said fifth wheel at one end when in such position, and instrumentalities for moving said lever incident to movement of the fifth wheel on its pivots, whereby the drawbar may be moved to readjust the locking jaws, said instrumentalities including a lever secured to the first named lever and having a fulcrum on the drawbar.

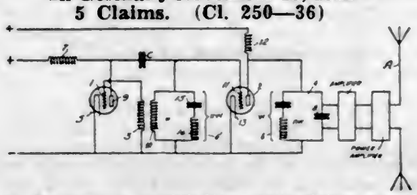
1,982,915
SAFETY JOINT
Abbott B. Jenks, Taft, Calif.
Application October 29, 1932, Serial No. 640,191
17 Claims. (Cl. 255—28)

1. A safety joint including, two sections having cooperating parts for transmitting torsional strains between the sections, and releasable means holding the sections in positions where said parts are in cooperation and releasable under a tensile strain to permit disengagement of said parts, said means including a third section having a threaded connection with one of said



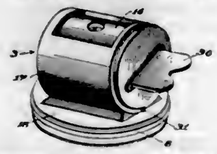
sections, and a frangible connection between the third section and the other of said sections.

1,982,916
TRANSMITTER
Wilhelm Kummerer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 8, 1930, Serial No. 494,290
In Germany November 15, 1929
5 Claims. (Cl. 250—36)



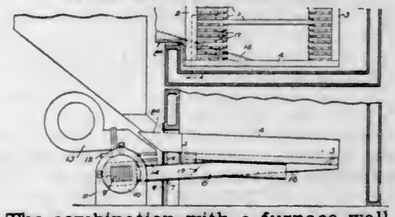
1. A frequency multiplier comprising an electron discharge device having an input circuit tuned to a fundamental frequency and an output circuit tuned to a frequency harmonically related to the fundamental, said input circuit having parallel branches, one of which includes a reactor and the other of which includes inductive and capacitive elements in series circuit tuned to resonance at the harmonic frequency and said output circuit comprising two parallel branches, one of which includes a reactor and the other of which includes a series circuit tuned to series resonance at the fundamental frequency.

1,982,917
DISPENSING APPARATUS
Charles R. Lothrop, Milton, and Oswald Cammann, Weston, Mass.
Application November 5, 1932, Serial No. 641,460
10 Claims. (Cl. 221—107)



1. An apparatus of the character described, comprising a container, a volumetric measuring device, and means for securing said device to said container against removal therefrom, comprising a ring carried by said container and provided with a plurality of spring lugs, and said device having a connecting part to be engaged by said lugs whereby such engagement will non-releasably secure said device to said container.

1,982,918
FLUID COOLED GRATE
Edgar O. Marty, Pottsville, Pa.
Application December 21, 1931, Serial No. 582,310
6 Claims. (Cl. 110—74)



1. The combination with a furnace wall, of a pair of spaced beams extending through said wall into the furnace, means coacting with said beams to form an air box between the beams and a duct between the beams leading to said air box from the furnace exterior, a grate fully supported upon said beams within the furnace and formed with a plurality of tuyère openings upwardly leading from said air box, and supporting means for said beams lying completely exterior to the furnace.

1,982,919
WELL PUMP
William H. Maxwell, Beverly Hills, Calif.
Application October 29, 1932, Serial No. 640,318
6 Claims. (Cl. 103—202)

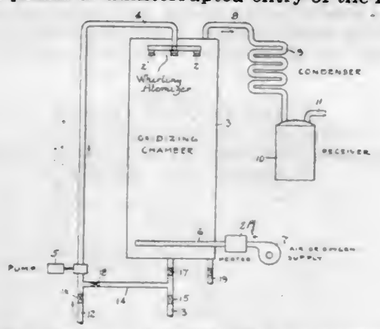


1. In a well pump, two normally relatively rotatable and reciprocable pump elements, opposing faces on the elements, and means for releasably holding the elements against relative rotation including a toothed ring between said faces normally free to move relative to the elements and adapted to connect the elements for rotation when clamped between the faces.

1,982,920
PROCESS FOR MAKING ASPHALT
Elliott B. McConnell, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application July 3, 1931, Serial No. 548,601
4 Claims. (Cl. 196—74)

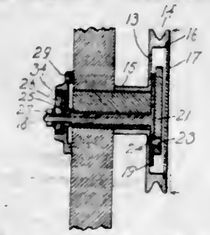
4. A process of making oxidized asphalt, which comprises circulating petroleum residuum in finely-divided form counter-currently to a hot air

stream while continuously varying the positions of the points of uninterrupted entry of the finely-



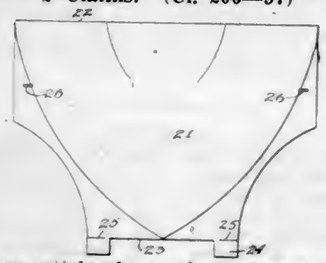
divided residuum relative to the air stream and withdrawing the oxidized products.

1,982,921
FILM MOVING MECHANISM
Method Merta, Chicago, Ill.
Application January 14, 1933, Serial No. 651,836
6 Claims. (Cl. 74—69)



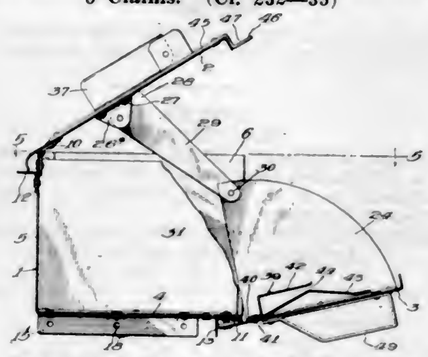
1. Means for rotating a shaft at variable speed during each cycle comprising a pulley adapted to be rotated from a power source and having its annular grooved periphery projecting perpendicularly to the plane thereof to form an annular housing; a stationary member on which said pulley is journalled; an axle shaft rotatably journalled in said stationary member nonconcentrically with said pulley; a slotted channel member secured on the end of said axle shaft and having one end bifurcated and lying in a plane adjacent to and parallel to said pulley; a block slidable in said channel member; a pin secured in said pulley rotatable in said block and adapted to slide in said slot formed by said bifurcated end of said channel member, the rotation of said pulley being adapted to cause repeated sliding movement of said block to rotate said axle at varying speeds during each cycle.

1,982,922
TOILET SEAT GUARD PAD
Charles D. Morton, River Forest, Ill.
Application January 20, 1933, Serial No. 652,756
2 Claims. (Cl. 206—57)



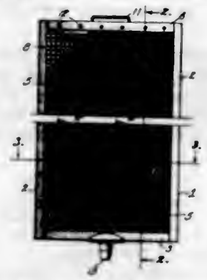
1. As an article of manufacture, a pad of guard forms for use in a toilet seat guard dispenser in which the bound end of the pad is disposed lowermost and from which the guard forms are adapted to be individually projected downwardly therefrom over the bound end during dispensation of the forms, comprising superimposed guard forms bound together along a lower margin to form a binding having an intermediate notched section leaving spaced bound mounting legs at the base of the pad by which the section and legs of the pad may be supported in the dispenser, the binding in each of said legs providing a line of serration along which the forms may be individually torn from the pad leaving said legs as stubs over which the forms are separately dispensed and which stubs are removable from the dispenser after all the forms in the pad have been dispensed.

1,982,923
MAIL BOX
George B. Nelson, Redfield, Iowa
Application January 20, 1930, Serial No. 421,905
5 Claims. (Cl. 232—35)



1. In a mail-box having a body portion, a top and front hingedly connected to said body portion, a plate secured to said front and extending laterally thereof, an arm pivoted to said top and plate adapted to raise said top upon outward movement of said front, the end of said arm adapted to contact said top when said front is in a certain position to provide a rest for said cover and to maintain said top and front in open position.

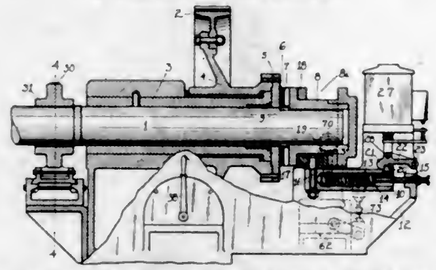
1,982,924
FILTER SCREEN
Victor C. Norquist, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 22, 1932, Serial No. 639,079
4 Claims. (Cl. 210—181)



1. A filter screen assembly comprising in combination a frame, a pair of filter screen members supported by said frame in spaced relation to one another and forming a hollow filter leaf, one side of said frame having a longitudinal opening,

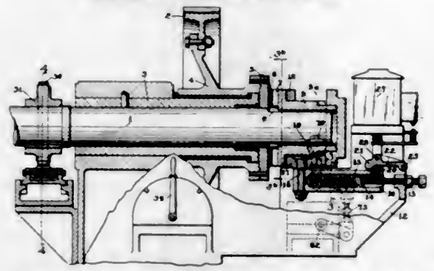
a core member of coarse screen wire carried by said frame and removable as a unit from the inter-screen space, and an outlet for the filtered liquid from said inter-screen space.

1,982,925
CLUTCH OPERATING MECHANISM
Edward J. Quinn, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application April 24, 1930, Serial No. 446,901
4 Claims. (Cl. 192—24)



1. The combination with driving and driven elements and a clutch device movable in opposite directions to clutch and unclutch said elements, of a spring-pressed operating member for said clutch device, a roller carried by said member in constant operative relation to said clutch device and adapted to transmit thereto the pressure of said spring, to engage said clutch device, for the driving of said driven element, and a pair of cams brought into action by such driving and operating successively on said roller to return said operating member to normal position and to shift said clutch device into non-engaging position.

1,982,926
OPERATING MECHANISM FOR CLUTCHES AND THE LIKE
Edward J. Quinn, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Original application April 24, 1930, Serial No. 446,901. Divided and this application October 1, 1931, Serial No. 566,339
8 Claims. (Cl. 192—144)



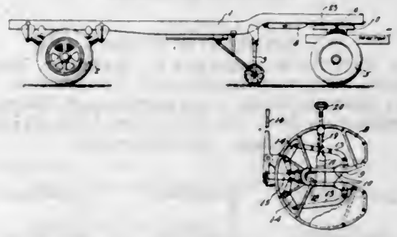
1. In mechanism of the class described, a clutch adapted to connect driving and driven members for predetermined movements in unison, a brake normally operative on said driven member, solenoids whose energization procure the release of said brake and the operation of said clutch, a switch whose movement to "on" position procures energization of said solenoids, and means responsive to the ensuing operation of said driven member for de-energizing said solenoids, notwithstanding the maintenance of said switch in its "on" position.

1,982,927
METHOD OF MOUNTING TRANSFER DECORATIONS
Thomas S. Reese, Cleveland, Ohio
Application January 4, 1933, Serial No. 650,144
6 Claims. (Cl. 41—33)



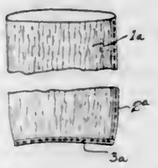
1. In the art of decorating the steps of: applying a film of decorative composition onto a transfer backing; setting the decorative film; forming a design on the decorative film; applying a coat of surfacer onto a base material of the type exemplified by wall board, ply wood, plaster board, wood, cardboard and the like; setting the surfacer; sanding the surfacer; interposing a cement between the surfacer and the decoration and applying the decoration to the surfacer, baking the ensemble at substantially atmospheric pressure with the transfer backing thereon.

1,982,928
FIFTH WHEEL CONSTRUCTION
John F. Robb, Cleveland Heights, Ohio, assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application August 1, 1933, Serial No. 683,209
7 Claims. (Cl. 280—33.1)



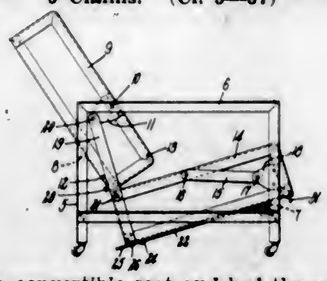
2. In combination, a trailer, a king pin at the front end of the trailer to couple the trailer with a tractor vehicle, an auxiliary coupling means on the trailer, guide means between the auxiliary coupling means and the trailer to permit sliding of the auxiliary coupling means to a point adjacent the king pin, said auxiliary coupling means including a lock device to engage the king pin and hold the auxiliary coupling means in position for use.

1,982,929
IMPROVED BAG OR CONTAINER LINER AND PROCESS OF MAKING IT
William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application December 21, 1931, Serial No. 582,257
8 Claims. (Cl. 229—53)



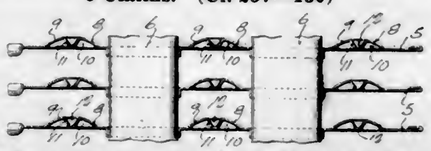
1. A lining structure of creped paper having a sewn seam, to which the creping crinkles of the paper are substantially transverse, the paper and the stitching in said seam being conjointly contracted and corrugated to shorten said seam.

1,982,930
CONVERTIBLE SEAT AND BED
Domenico J. Russo, Revere, Mass.
Application July 14, 1933, Serial No. 680,414
6 Claims. (Cl. 5—37)



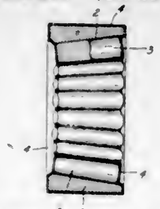
1. In a convertible seat and bed the combination of a frame, a back-rest pivotally mounted thereon, a seat section pivotally mounted upon said frame and also suspended at the rear thereof from points intermediate the upper and lower edges of said back-rest and approximately centrally with respect to the front and rear faces thereof, the back-rest being adapted to tip to a horizontal position and align edge to edge with the seat section when the latter is rocked to a horizontal position, and means to lock the back-rest and seat section in their horizontal position.

1,982,931
RADIATOR CORE
Harry E. Schank and Paul R. Seemiller, Detroit, Mich., assignors to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Application June 17, 1933, Serial No. 676,248
5 Claims. (Cl. 257—130)



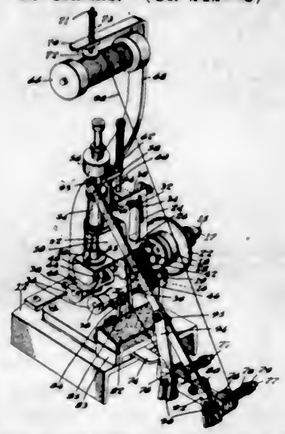
3. In a radiator core, fin plates and tubes extending through the plates, cup-like protuberances pressed out of the plates in the spaces between the tubes to turbulate the air passing through the core, said protuberances having means to eliminate air whistling of the core up to relatively high air speeds.

1,982,932
TAPER ROLLER AND RACE ASSEMBLY
William L. Scribner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 17, 1934, Serial No. 711,628
7 Claims. (Cl. 29—84)



1. A taper bearing roller and cup assembly comprising a cup having a conical raceway therein, a multiplicity of taper rollers filling said raceway and a coating of waxlike material holding said rollers and said cup together.

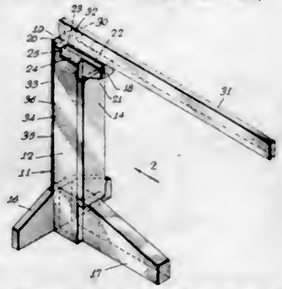
1,982,933
WINDING MACHINE
Charles R. Sibley, Lake Mary, Fla., assignor, by direct and mesne assignments, to Sibley-Pym Corporation, Lynn, Mass., a corporation of Massachusetts
Application November 2, 1929, Serial No. 404,299
16 Claims. (Cl. 242—3)



1. A winding machine comprising means for supporting and rotating a spherical core, opposed ball bearings mounted above the supported core with their effective planes in convergent relation, and a sphere mounted therein for free rotation in point contact with the core.

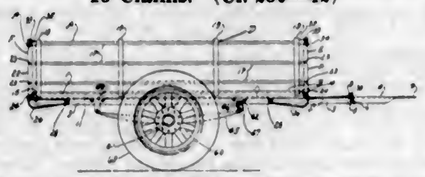
5. A winding machine comprising spaced rolls for positioning and rotating a spherical core, means for delivering an elastic thread to the core, a thread tension device, a rotatable detector arranged to roll upon the core and also to be moved by the core as it is increased in diameter, and means operated by the detector for automatically and progressively increasing the effect of the tension device on the thread delivered to the core during the winding operation thereon.

1,982,934
HURDLE
Roy Ellis Squire, Huntington Park, Calif.
Application February 7, 1934, Serial No. 710,065
17 Claims. (Cl. 272—59)



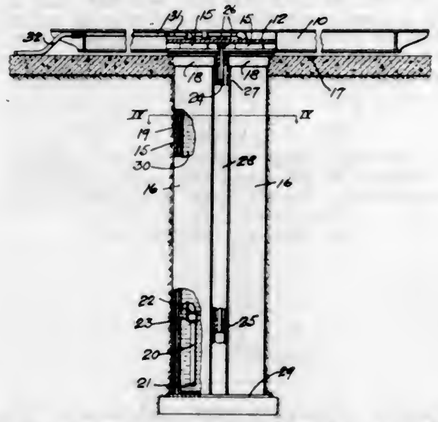
1. A hurdle having a single post, a hurdle bar, a resilient tension means attaching one end of the bar to the post and with the post holding the bar in a horizontal operative position, the said tension means permitting the bar to rotate on the post when struck by a hurdler, the post having a horizontal flat surface at the top to engage the underside of the bar and in cooperation with the tension means retaining the bar in its operative position, the opposite sides of the post being beveled and having stop shoulders, the said bar when rotated being adapted to occupy the inclination of the beveled faces, and stop shoulders to limit the rotation of the bar.

1,982,935
COLLAPSIBLE TRAILER VEHICLE
Hans H. Staugaard, Detroit, Mich.
Application February 16, 1931, Serial No. 516,014
15 Claims. (Cl. 280—42)



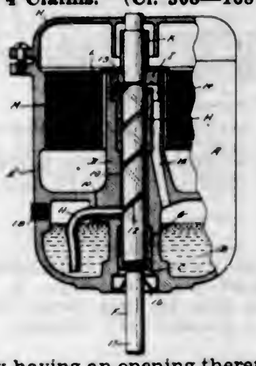
1. In a trailer vehicle, the combination of a floor assembly comprising floor members, a pair of angle irons extending transversely to the floor members of said floor assembly, said angle irons being suitably attached to said floor members, approximately at their central portions, body side assemblies comprising angle irons at their base for loosely supporting said floor assembly, the angle irons of said body side assemblies being provided at each of their ends with a U section extending at right angles therewith, angle irons secured at each end of said floor assembly, each of said last mentioned angle irons being provided with a flange portion extending between the U section at the ends of the angle irons of said floor assembly for guiding said floor assembly when moved from its position on the angle irons of said body side assemblies, and body end assemblies hinged on said floor assembly and suitably connected with said body side sections.

1,982,936
DUAL-POST VEHICLE LIFT
Louis C. Stukenborg, Memphis, Tenn.
Application April 4, 1932, Serial No. 603,038
25 Claims. (Cl. 254—93)



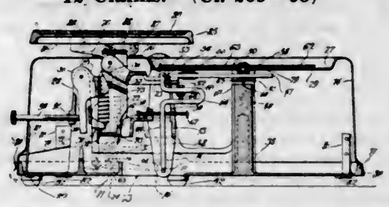
4. In a hydraulic jack, a cylinder, a hollow plunger slidably mounted therein and projecting therebeyond, said plunger having its lower end closed forming a reservoir for a liquid, a supply of liquid therein, and means for establishing discharge pressure on said liquid; a discharge pipe having its lower end open, disposed within the plunger, with said end adjacent the lower end thereof, said pipe extending upwardly and laterally through a side wall of said plunger to allow discharge through said wall.

1,982,937
BEARING LUBRICATION
Allen D. Walter, East Cleveland, Ohio, assignor to The Ohio Electric Mfg. Co., Cleveland, Ohio, a corporation of Ohio
Application February 5, 1932, Serial No. 591,090
4 Claims. (Cl. 308—168)



1. A body having an opening therethrough provided with bearing means, a shaft journaled in said bearing means, an oil reservoir associated with said body, a wick extending from said oil reservoir to a point adjacent said shaft, said shaft being provided with a helical groove extending upwardly from said wick for carrying oil, delivered by said wick, upwardly to said bearing means.

1,982,938
SCALE
Mathias J. Weber, Chicago, Ill., assignor, by mesne assignments, to Continental Scale Works, Chicago, Ill., a corporation of Illinois
Application June 27, 1929, Serial No. 374,056
12 Claims. (Cl. 265—68)

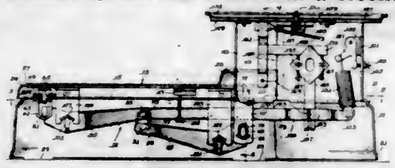


4. A scale comprising a pivoted cross beam, a lever connected to said cross beam, an indicator, means connecting said indicator and lever, mechanism controlled by a weight for moving said cross beam, means for regulating the length of said lever and thereby providing an adjustment for the indicator, and means for changing the arc in which said lever moves to provide further adjustment of said indicator.

1,982,939
PLATFORM SCALE
Mathias J. Weber, Chicago, Ill., assignor, by mesne assignments, to Continental Scale Works, Chicago, Ill., a corporation of Illinois
Application October 17, 1932, Serial No. 638,071
15 Claims. (Cl. 265—68)

3. A scale comprising a frame, an indicator and a weighing platform on said frame, and means for actuating the indicator in response to the weight of an article supported on the platform, said means comprising a shaft on said frame and a tiltable member on said shaft, said tiltable member comprising a strip bent to provide spaced apart perforated portions forming journals

through which the shaft extends, at least one of said perforated portions extending to provide an arm and a second strip secured to said arm and extending therefrom to form a second arm



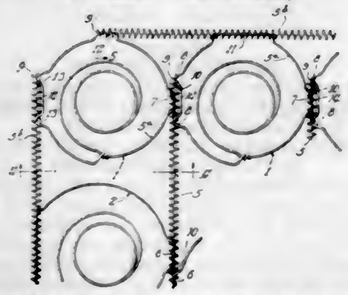
making an approximate right angle with said first named arm, means to connect one of said arms to the weighing platform and to drivingly connect the other arm with the indicator.

1,982,940
TAG AND TAG FASTENER
Samuel Weiss, Brooklyn, N. Y.
Application June 26, 1934, Serial No. 732,417
4 Claims. (Cl. 40—25)



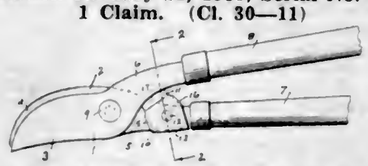
1. In a tag and tag fastener a pair of prongs, a piercing tongue on one of said prongs, whereby to pierce a fabric, a tag portion secured to the other of said prongs in a way to cover the outer side of the latter, a deflector means on said other prong extending outwardly therefrom towards said tag portion, which is stretched thereover leaving a space between said tag portion and a part of the outer side of said other prong, and said other prong having therein an opening adjacent said deflector means, for said tongue to pass therethrough, whereby, when said prongs are pressed towards each other, said tongue is deflected into a position in the space between the outer side of said other prong and the inner side of the tag portion adjacent thereto.

1,982,941
SPRING ASSEMBLY
William E. Wunderlich, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application May 18, 1931, Serial No. 538,202
1 Claim. (Cl. 5—269)



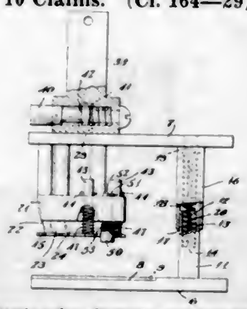
A spring assembly having parallel longitudinal rows of spiral springs, springs at one end of the assembly having straight portions transversely aligned with similar portions of other springs at said end and in staggered relation to other portions of said other springs at said end, the intermediate springs of said end springs having elongated straight portions transversely aligned with each other but perpendicular to the first-mentioned straight portions and the corner end springs having respectively peripherally projecting offsets transversely aligned with each other and with said elongated straight portions, a marginal helical encircling said elongated straight portions and said offsets, and a plurality of interior helicals extending in the direction of said rows between the rows and engaging successively the staggered portions of springs of adjacent rows, each interior helical terminating at and being knotted upon one of said staggered portions in each row nearest the marginal helical, whereby said end springs are held from relative lateral movement by separated connecting helicals threaded on straight aligned portions of the springs extending in relatively perpendicular directions.

1,982,942
CUSHION STOP FOR SHEARS
William M. Albright, Hemet, Calif.
Application January 21, 1933, Serial No. 652,835
1 Claim. (Cl. 30—11)



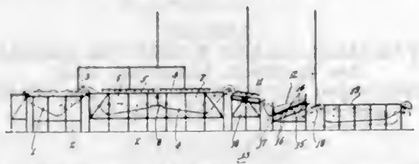
A cushion stop attachment for a pair of shears comprising, a flat case constructed and arranged to be secured to the side of one of the hafts of the shears, said case having flanges constructed and arranged to engage the haft to which said case is attached and partially enclose a resilient pad, a flat resilient pad partially enclosed in said case and held in position by said flanges, said pad disposed between said case and said haft and abutting against said flanges, and means including a bolt for securing and compressing said case and said pad to said haft, in a manner to hold said pad under compression.

1,982,943
DEVICE FOR FORMING CUT-OUTS
Arthur W. Altvater, University City, Mo.
Application June 9, 1930, Serial No. 460,083
Renewed April 25, 1934
10 Claims. (Cl. 164—29)



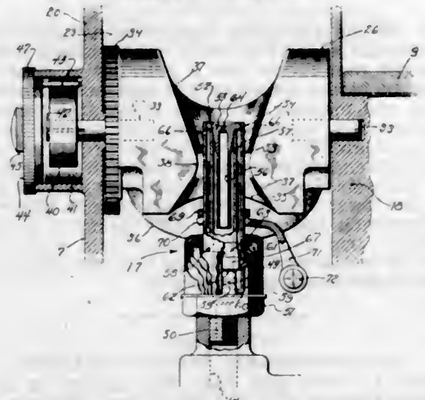
10. In a device for forming cut-outs in shoe upper blanks provided with a guide line, the combination with a work support, an overhanging die, said die being resiliently mounted and adapted to be depressed into engagement with the work for clamping it preliminary to the application of a cutting force to said die, and a combined gage and stripper plate surrounding the die and yieldably secured thereto, at least a portion of the periphery of said gage being adapted to register with the guide line on the shoe upper blank, of means for holding the gage from movement laterally in contact with the work.

1,982,944
METHOD FOR PREPARING SPINACH FOR CANNING
Earl R. Anderson, Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application November 2, 1931, Serial No. 572,465
9 Claims. (Cl. 99—8)



4. The process of treating spinach or other green leaf vegetable for canning, including the steps of washing the spinach or other green leaf vegetable, treating, by raising the temperature thereof, the spinach or other green leaf vegetable to remove the crispness, crushing the spinach or other green leaf vegetable, washing the spinach or other green leaf vegetable to remove water soluble substances from the stems, and then blanching the spinach or other green leaf vegetable.

1,982,945
CARBURETOR
Werner E. Armstrong, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application January 27, 1932, Serial No. 589,116
21 Claims. (Cl. 261—41)

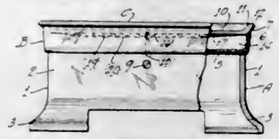


1. In a carburetor, complementary members co-acting to form a venturi variable in area by movement of said members, means connected with one of the members and responsive to a difference in static pressure at opposite sides thereof to move the members contrary to the direction of air flow to open the venturi, a fuel jet adapted to discharge fuel into the venturi, and means directly acted upon by the flow of air through the venturi and responsive to the effect of the air flow thereon for regulating the volume of fuel issuing from the jet.

1,982,946
ADHESIVE
Walter Bauer, Darmstadt, Germany, assignor, by mesne assignments, to Charles Lennig & Company, Inc., a corporation of Pennsylvania
No Drawing. Application May 9, 1929, Serial No. 361,841. In Germany May 9, 1928
10 Claims. (Cl. 134—23.3)

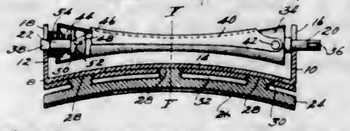
1. An adhesive substance comprising a polymeric acrylic acid ester.

1,982,947
ELECTRIC GRILL
Julian R. Burch, St. Louis, Mo.
Application February 1, 1932, Serial No. 590,164
2 Claims. (Cl. 219—37)



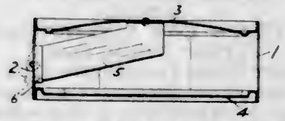
1. In a grid, a pan-like shell having a base wall and an upstanding marginal side wall, a cooking-plate disposed in parallel relation over the shell base wall and rested marginally on the rim of the shell side wall, annular pocket-providing ribs on the under face of the plate, heating-elements disposed in said pockets, element retaining plates attached marginally to the ribs and disposed flatwise under the contained elements, and securing-screws engaging the shell and cooking-plate.

1,982,948
HAIR WAVER
Fritz Binder, Kansas City, Mo.
Application July 17, 1933, Serial No. 680,806
9 Claims. (Cl. 132—33)



1. Hair waving apparatus comprising a spool-supporting body having a base and integral upturned ends forming bearings; and a spool, having its annular side arched longitudinally, rotatably carried by the said bearings; said base being arched longitudinally and concentrically with the arched annular side of the spool whereby the distance between spool side and base remains the same throughout the length of the spool as the latter is rotated upon its longitudinal axis.

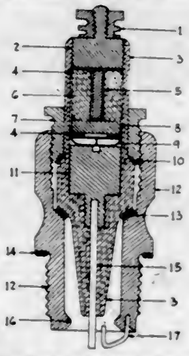
1,982,949
DISPENSING CONTAINER FOR POWDER
Harry C. Cole, Philadelphia, and Allen L. Grammer, Meadowbrook, Pa.
Application June 20, 1933, Serial No. 676,660
1 Claim. (Cl. 221—61)



A dispensing container for powder comprising a closed receptacle having relatively rigid side and bottom walls and a flexible resilient top wall, said side wall being provided with an opening therethrough and a hinged door normally closing said opening, a rigid connecting member interposed between and connected with said flexible wall and

door whereby lateral movement may be imparted to said connecting member through the flexing of said flexible wall to open and close said door.

1,982,950
SPARK INTENSIFYING DEVICE
James D. Curtis, Collingswood, N. J., assignor, by mesne assignments, to Helen Baus Curtis, Camden, N. J.
Application January 23, 1933, Serial No. 653,000
6 Claims. (Cl. 123—169)



1. In a spark plug, a spark intensifying device comprising an insulating body, a resistance of more than 1000 ohms mounted in said body, a metallic roller mounted in said body adjacent said resistance, and means for conducting current to said resistance and to said roller.

1,982,951
DISK HARROW
Samuel S. Furrer, Oxnard, Calif., assignor to Brennels Manufacturing Company Inc., Oxnard, Calif., a corporation of California
Application February 8, 1932, Serial No. 591,647
14 Claims. (Cl. 55—83)



1. An implement of the character described, including: a leading section; a following section, said following section having a transverse gang of harrow disks mounted thereon; means for moving said leading section; an eccentric pivot means connecting said sections whereby they may relatively swing on said pivot means together or apart between closed and open positions; a brake for retarding the movement of said following section; means for holding said sections in selected relative positions; and manually operated means for releasing said holding means and actuating said brake.

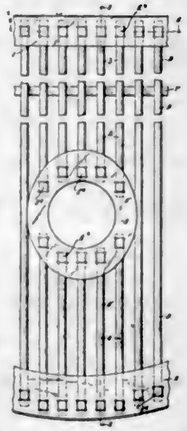
1,982,952
ORNAMENTED BOX AND ORNAMENTAL STRIP THEREFOR
Arthur Carter Flinn, Los Angeles, Calif., assignor to Sherman Paper Products Corporation, Newton, Mass., a corporation of Massachusetts
Application July 5, 1934, Serial No. 733,819
5 Claims. (Cl. 229—8)

1. The combination with a polygonally shaped box having plane-faced walls, of a strip of single-faced corrugated paper scored on a central longitudinal line extending perpendicularly to the corrugations of the corrugated ply and defining a pair of longitudinal laps, said strip being engaged over substantially the entire upper edge of the box walls with the line of score substantially coincident with said edge and with one lap con-



cealing the outer wall faces and the other lap concealing the inner wall faces, the plane paper ply lying next to the wall faces and the corrugated ply being exposed to view.

1,982,953
PARALLEL-BLADE RADIATOR GRILLE
Lee B. Green, Lakewood, Ohio
Application July 31, 1933, Serial No. 683,007
6 Claims. (Cl. 293—54)

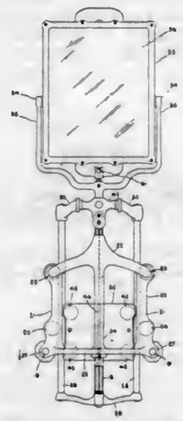


1. An upright grille comprising two generally horizontal upper and lower end members having upright rear faces; and a plurality of generally upright blades spanning the said end members; each end member including horizontally spaced, horizontally extending and rearwardly bowed integral arches; each blade having its end portions extending respectively through and beyond an arch on the upper end member and an arch on the lower member; the part of each blade between each blade-end portion being of a rearwardly open U-section and the said blade part having portions of its U-back bearing against the said upper and lower members.

1,982,954
FLUOROSCOPIC SCREEN HOLDER
Julius J. Grobe, Oak Park, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application August 30, 1930, Serial No. 478,811
11 Claims. (Cl. 250—34)

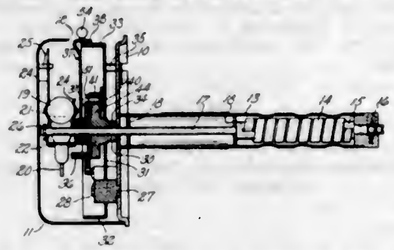
1. In combination, a stationary frame, a screen, a holding member for said screen and having upwardly and downwardly projecting arms, a second frame movable vertically on said stationary frame, said screen holding member being pivotally connected to said movable frame to admit of said screen being tiltable on an axis external to the body of said screen from a substantially horizontal position to a substantially vertical posi-

tion, a single counterweight, cables between said arms and said counterweight, and pulleys for guiding said cables, said counterweight being



moved with tiltable adjustments of said screen holding member and being adapted to maintain said movable frame in a selected vertical position.

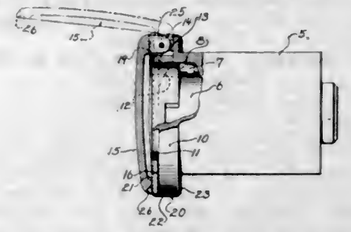
1,982,955
THERMOSTATICALLY OPERATED ELECTRIC SWITCH
Gerald W. Hart, deceased, late of Hartford, Conn., by Thomas Hewes, Farmington, Conn., and W. Arthur Countryman, Jr., Hartford, Conn., administrators
Application November 14, 1931, Serial No. 575,136
9 Claims. (Cl. 200—138)



1. In a thermostatically operated switch, a switch, thermostatic means, a scale adapted to be turned by said thermostatic means, an operating member between said thermostatic means and switch and adapted to be turned by said thermostatic means in unison with said scale, an adjustable clutch between said operating member and thermostatic means, and means for setting said operating member relative to said thermostatic means and having a pointer cooperating with said scale.

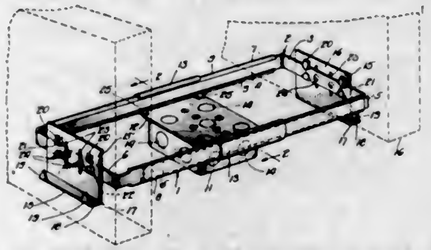
1,982,956
LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 9, 1933, Serial No. 674,993
9 Claims. (Cl. 70—46)

1. In combination with a key operable tumbler lock having a lock cylinder provided with a key-way, a cover for the front end of the lock, and a single element to hingedly mount the cover for movement to and from closed position about an axis spaced from and angular to the axis of the cylinder and to yieldably hold the cover in either closed or open position, said single



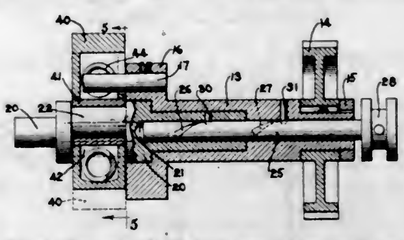
element consisting of a wire loop encircling the end of the lock with a part connected with the cover.

1,982,957
OUTLET BOX AND HANGER BAR
John Knell, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a corporation of Illinois
Application November 1, 1930, Serial No. 492,675
13 Claims. (Cl. 247—22)



1. In combination, a hanger bar adapted to be mounted between joists, end plates for supporting the bar, turned up prongs on said plates for temporarily supporting said plates to said joists, said hanger bar being adjustably supported by said plates between said joists, and means passing through the hanger bar and the plates for rigidly supporting said plates and hanger in position to the joists.

1,982,958
VARIABLE PUMP
Charles E. Kraus, Ann Arbor, Mich.
Application June 14, 1933, Serial No. 675,672
8 Claims. (Cl. 74—571)

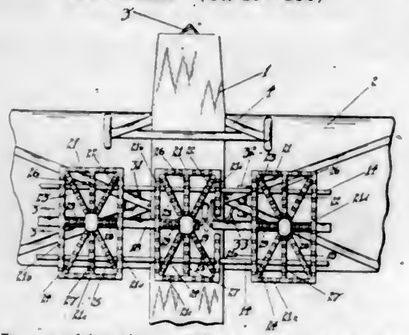


8. In a device of the class described, a revoluble shaft, a crank extending from the said shaft, means for mounting the crank eccentrically of said shaft, means for varying the circumferential position of the crank, a cam disc eccentrically and revolubly mounted on said crank, means between the shaft and the cam disc for yieldably revolving said cam disc on revolution of said shaft and means driven by said cam for the purpose described.

1,982,959
METHOD OF REFINING ALLOYS
August M. Kuhlmann, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application June 4, 1932, Serial No. 615,469
1 Claim. (Cl. 75—17)

Method for removing a preponderant proportion of the aluminum from an alloy containing upwards of about 20% boron, upwards of about 8% aluminum, and the remainder metal of the group consisting of iron and chromium, which comprises melting said alloy and treating the melt with a sulfide of a metal of said group consisting of iron and chromium.

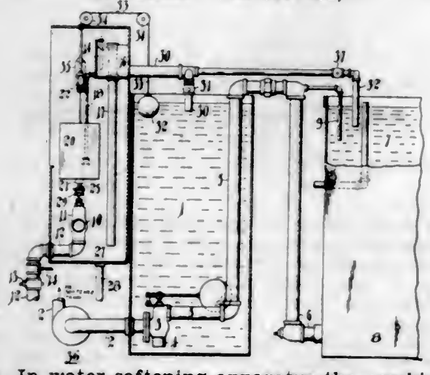
1,982,960
ILLUMINATED AERIAL DISPLAY
Edwin A. Link, Jr., Cortland, N. Y.
Application April 27, 1934, Serial No. 722,709
31 Claims. (Cl. 40—130)



1. In combination with an aeroplane, an illuminable, changeable sign carried thereby, means for changing said sign, and means including a contact maker and breaker actuated by the flight of the aeroplane for operating said changing means.

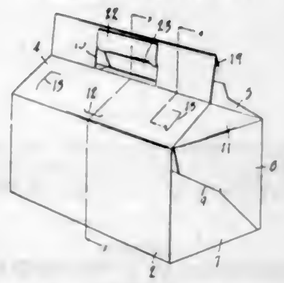
12. In combination with an aeroplane, a sign supported on the under side thereof and spaced therefrom, the ends of said sign extending beyond the lateral extremities of said aeroplane and being positioned above a horizontal plane passing through the center of said sign.

1,982,961
WATER SOFTENING APPARATUS
Harry M. Marsh, Hamilton, Ontario, Canada
Application December 18, 1933, Serial No. 702,859
14 Claims. (Cl. 210—24)



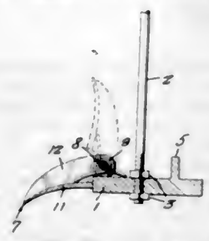
1. In water softening apparatus the combination of a reclaimed brine tank; an outlet therefrom for connection with the inlet of a softener tank; a pipe for connection with the outlet of a softener tank; conducting means to which said pipe leads communicating with the reclaimed brine tank and having a waste outlet; and means responsive to changes in the specific gravity of liquid flowing from the softener tank for controlling the flow of liquid to the reclaimed brine tank or to waste.

1,982,962
CONTAINER
Charles F. McAleer, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application December 29, 1932, Serial No. 649,295
7 Claims. (Cl. 229—52)



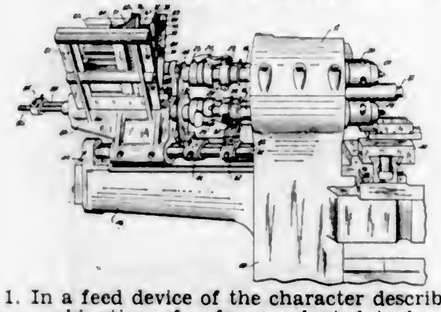
6. A container comprising side walls having overlapping cover flaps on their upper edges provided with hand openings and grip flaps on the upper edges of said flaps and adapted to be folded into overlapping relation with the handle portion of the cover flaps when adjusted as a handle, the outer cover flap having a partially severed portion adapted to be disposed through the top of the hand opening in the other cover flap when the parts are adjusted to handle position.

1,982,963
ANCHOR
Marvin C. Post, Brookfield, Mo.
Application September 18, 1933, Serial No. 689,988
1 Claim. (Cl. 189—92)



An anchor comprising a flat plate, a stem secured to the plate centrally of the latter, brackets secured to one face of the plate and including angularly related portions, bolts connecting said portions of the brackets and located inwardly of the edges of the plate, prongs each including a wall tapered towards one end and side walls integral therewith and extending beyond the non-tapered end and apertured to receive the bolt to permit said non-tapered end to abut the edge of the plate for limiting the movement of the prongs in one direction, and coil springs mounted on the bolts and each spring having one end bearing against its respective prong and its other end bearing against the plate.

1,982,964
HOPPER MAGAZINE FEED DEVICE
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application November 21, 1931, Serial No. 576,537
22 Claims. (Cl. 29—60)

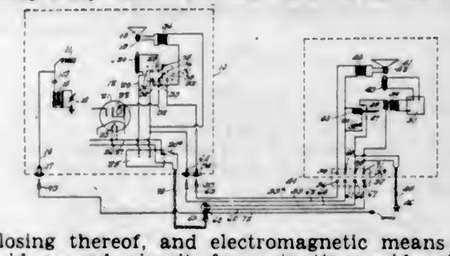


1. In a feed device of the character described, the combination of a frame adapted to be attached to a machine tool, a hopper magazine converging towards the bottom thereof and carried by said frame and adapted to support a plurality of work pieces, a replaceable member in said frame adapted to support work in a position to be fed to the machine, said frame being provided with an opening communicating with said member and said hopper through which work pieces are permitted to move from said hopper to said member, means for adjusting the width of said opening, a plunger slidably carried in said frame in alignment with work supported by said member, and resilient means for moving said plunger to feed a work piece positioned in said member to the machine.

16. In a machine of the character described, the combination of a frame, an indexible spindle turret supported by said frame, a plurality of spindles rotatably supported by said spindle turret adapted to have work fed through the center thereof, means for indexing said spindle turret whereby said spindles are indexed through a plurality of stations including a feeding station, a chuck supported by each of said spindles at one end thereof, means supported by said frame for operating said chucks at the feeding station, a stationary magazine supported by said frame adapted to support a work piece in alignment with the spindle in the feeding station, means for feeding work from said magazine to the spindle in the feeding station in predetermined timed relation to the operation of the chuck supported thereby, and means for limiting the movement of work in said spindles in a direction reverse to the feeding movement.

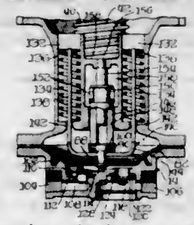
1,982,965
RADIO RECEPTION
William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 22, 1933, Serial No. 676,997
10 Claims. (Cl. 250—20)

1. In combination, a radio receiving set and a case therefor having a built-in dynamic loud speaker with voice and field coils, a second dynamic loud speaker with voice and field coils remote from said receiving set, a first circuit between said receiving set and said built-in loud speaker, a second circuit between said receiving set and said remote loud speaker, a unitary switch for selectively impressing the output of said receiving set upon the voice coils of said speakers by means of said circuits, a third circuit for impressing electrical energy upon the field coil of said remote loud speaker, a relay comprising a switch in said third circuit for the



closing thereof, and electromagnetic means in said second circuit for actuating said relay switch, said electromagnetic means being energized incident to the impression of such output upon the voice coil of said remote loud speaker.

1,982,966
PUMPING DEVICE
Fred G. Schweisthal, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 20, 1932, Serial No. 594,219
7 Claims. (Cl. 230—38)

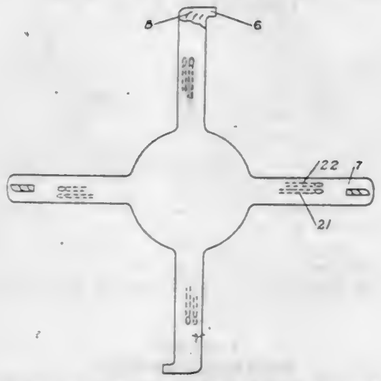


1. In a pumping device, a casing having an expansible and reducible pumping chamber therein, a reciprocable pumping member forming a movable wall of said pumping chamber, resilient means for moving said pumping member in a direction to enlarge said pumping chamber, a guide pin fixedly supported by said casing concentric with the axis of said pumping member, a reciprocable sleeve slidable on said guide pin, a lever pivotally supported by said casing having an arm in operative engagement with the sleeve, said sleeve being adapted to engage the pumping member on the side opposite the pumping chamber for moving said pumping member in a direction opposed to the resistance of said resilient means.

1,982,967
PRINTING ELEMENT AND PROCESS OF MAKING SAME
Benjamin L. Sites, Chicago, Ill., assignor to The Miehle Printing Press & Mfg. Company, Chicago, Ill., a corporation of Illinois
Application October 9, 1931, Serial No. 567,776
5 Claims. (Cl. 95—5.6)

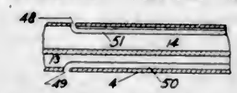
5. The process of making intaglio printing elements, consisting in providing a metal base with ink retaining cells of substantially uniform depth, applying a photographic emulsion to said cells, drying and shrinking said emulsion, exposing said emulsion through a photographic transparency, developing the exposed emulsion to produce varying thickness in said cells in proportion to the exposure received, and swelling and drying the emulsion in said cells.

1,982,968
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application October 7, 1931, Serial No. 567,393
7 Claims. (Cl. 244—19)



3. In an aircraft, a supporting airscrew having blades rotatable about a substantially vertical axis, means for unsymmetrically altering the lift of the blades to balance the transverse moments of the airscrew, and means sensitive to changes in forward wind pressure for automatically controlling the degree of lift alteration.

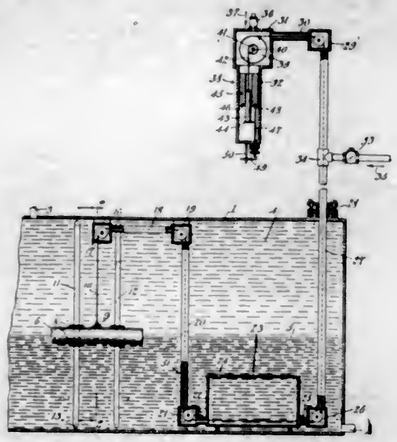
1,982,969
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application February 17, 1933, Serial No. 657,174
Renewed June 11, 1934
24 Claims. (Cl. 244—19)



1. In an aircraft, lifting blades rotatable about a substantially vertical axis, and each subjected to different suction effects on its upper surface at different points in each rotation, said blades having internal compartments and having openings in their upper surfaces leading to said compartments, and control means providing for and governing the passage of air from a compartment of one blade to a compartment of another blade for increase of lifting effect of a blade by energization of its boundary layer of air at a predetermined point in each rotation.

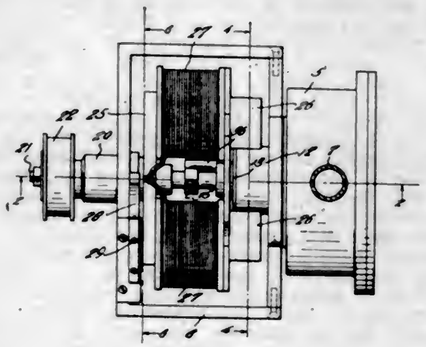
1,982,970
TANK GAUGE
Richard Star, Brooklyn, N. Y.; Frank Kruth administrator of said Richard Star, deceased
Application August 11, 1933, Serial No. 684,735
7 Claims. (Cl. 73—82)

2. A tank gauge of the character described for indicating the level of one or two liquids in a tank, comprising a float adapted to be positioned in a tank, means for guiding said float in its upward and downward movement, a cable pulled by said float in one direction, a weight for pulling said cable in the opposite direction, said weight counterbalancing said float so that it will float on a certain liquid, a secondary weight, means for holding said secondary weight out of engagement with the first mentioned weight, said means being adjustable to a position to permit said secondary weight to be raised with the first mentioned weight whereby said float will float on the surface of a lighter fluid, and



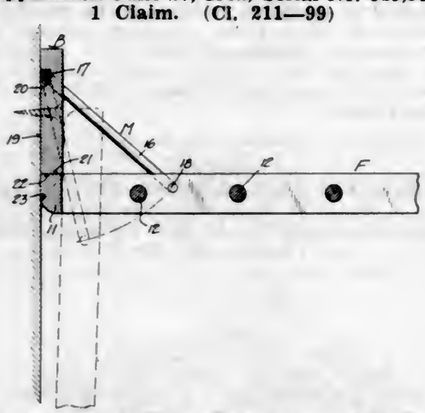
means coacting with the first mentioned weight for indicating the position of the float in said tank.

1,982,971
DRIVE COUPLING FOR FLUID PUMPS
William H. Tabor, Huntington, W. Va., assignor of one-fourth to Frederick H. Baribeau and one-fourth to Elza E. Smith, Huntington, W. Va.
Application June 29, 1933, Serial No. 678,306
1 Claim. (Cl. 172—284)



In combination, a pump housing, a frame connected therewith, a cylinder of non-magnetic material carried by the frame, a pump shaft having a part extending into the housing and a part into the cylinder, an impeller located in the housing and connected with the pump shaft, a second impeller of magnetizable material connected with the pump shaft and located in the non-magnetic cylinder, a drive shaft supported by the frame and mechanically independent of the pump shaft, a pair of magnetic field coils carried by the drive shaft, a pair of pole pieces extending from said field coils and forming part of the cores thereof, said pole pieces being disposed laterally of the cylinder and in close proximity therewith whereby as the pole pieces rotate around the cylinder with the drive shaft and coils, the magnetism thereof will influence the second impeller to rotate the pump shaft.

1,982,972
FOLDING RACK
August van Roosendael, Los Angeles, Calif., assignor to Home Facilities, Inc., a corporation of California
Application June 27, 1932, Serial No. 619,566
1 Claim. (Cl. 211—99)



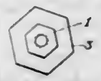
A rack comprising a frame composed of side members and end members with article supporting bars spanning the side members at intervals; a bracket in the form of a flat rectangular shaped bar having a groove in one side face thereof extending longitudinally of the bracket and co-extensive in length therewith; means for rigidly securing the bracket to a fixed support; a U-shaped brace providing parallel spaced apart arms and a rectilinear connecting portion; the free ends of the arms having trunnions journaled in the side members of the frame, and the connecting portion being received in said groove of the bracket so as to be confined therein against lateral and axial displacement when the bracket is secured to a wall with its grooved side face confronting the wall, whereby the connecting portion will provide a fulcrum enabling the frame to be swung to occupy a vertical position and a horizontal position wherein an end member of the frame abuts the under surface of the bracket for co-action with the brace in supporting the frame in such position, the opposite face of the bracket being uniformly smooth throughout and the frame having a continuous rocker surface co-extensive with the width of the bracket; said rocker surface being transversely curved and adapted to freely rock on the aforementioned smooth face of the bracket during the operation of turning the frame to a vertical position.

1,982,973
PACKAGE OPENER
Frans Bestil Wendel, Brooklyn, N. Y.
Application December 16, 1931, Serial No. 581,303
4 Claims. (Cl. 229—51)



1. The combination with a container, of an opener completely enclosed in the container and including a main portion and an end portion, and having a perforating element arranged parallel to the end portion of the opener and transversely of the container, and means integral with the perforating element and the end portion of the opener and rotatable on the end of such end portion as a pivot to force the perforating element thru the container wall adjacent the opener.

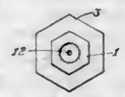
1,982,974
PROCESS AND TOOL FOR ERADICATING TERMITES
Daniell Aiken, San Antonio, Tex., assignor of one-half to Agnes O. Slogan, San Antonio, Tex.
Application April 21, 1933, Serial No. 667,309
20 Claims. (Cl. 99—12)



13. A method of eradicating boring insects in wood or the like, comprising forming a bore in said wood, introducing a confined body of insecticidal fluid into said bore, and discharging portions of said fluid from said confined body into the wood successively at predetermined points along said bore.

18. A tool for applying an insecticidal fluid to a wood article or the like, comprising an outer tube adapted to be screwed into a bore hole in the wood and to be moved lengthwise therein during the application of said fluid to the wood, said tube having external threads and a port leading from the bore of the tube to the external threaded surface of the latter, and an internal tube for controlling said port, movably arranged within the outer tube and provided with means for conveying an insecticidal fluid to said port.

1,982,975
PROCESS AND TOOL FOR ERADICATING TERMITES
Daniell Aiken, San Antonio, Tex., assignor of one-half to Agnes O. Slogan, San Antonio, Tex.
Application November 16, 1933, Serial No. 698,375
18 Claims. (Cl. 99—12)

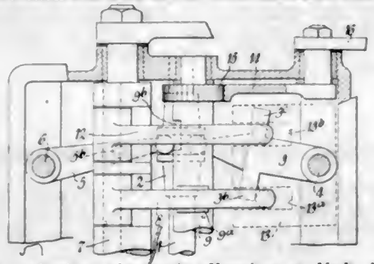


7. A tool of the character described, comprising an outer tube having spaced ports in its wall, a hollow plunger slidably mounted in the tube and having an aperture to permit an insecticide to flow from the interior of the plunger to any one of the ports of the outer tube, packing means on the plunger at opposite sides of said aperture to restrict the flow of the insecticide lengthwise of the outer tube, and latching means for securing the plunger at various positions in the outer tube.

1,982,976
CHANGE SPEED GEARING
Arthur Alltree, Preesall, near Fleetwood, England
Application October 16, 1933, Serial No. 693,871
In Great Britain October 21, 1932
14 Claims. (Cl. 74—334)

1. A control for change speed gearing comprising at least one gear shift fork slidable axially, a lever adapted to operate said fork to engage gears, a further lever adapted to operate said fork to release or neutralize the gears, a rotary element adapted in one direction of movement to operate link bars or arms to move said first named

lever and in its other direction of movement to operate said further lever to neutralize the gears,



and a selector element allowing a link bar or arm to move into operative position.

1,982,977

AZO DYESTUFFS CONTAINING A PYRENE NUCLEUS

Alfred Bergdolt, Cologne-on-the-Rhine, Gerhard Schrader, Opladen, and Martin Corell, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 15, 1932, Serial No. 647,474. In Germany December 22, 1931

18 Claims. (Cl. 260—86)

1. Azodyestuffs of the general formula:



wherein R stands for the radical of a coupling component suitable for producing an azodyestuff free from a group inducing solubility in water, and wherein the pyrene nucleus may be substituted by halogen or alkoxy, yielding, when produced on the fibre, generally grey to blue to violet to green shades of good fastness properties.

1,982,978

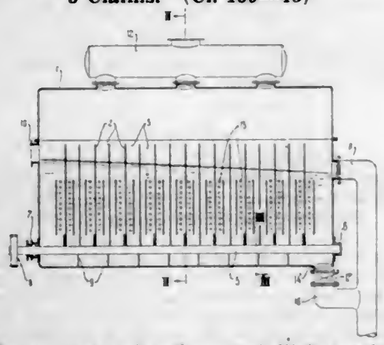
APPARATUS FOR CRYSTALLIZING SOLUTIONS BY EVAPORATION OR COOLING

Richard Bonath, Bussum, Netherlands, assignor to Werkspoor N. V., Amsterdam, Netherlands, a company of the Netherlands

Application February 16, 1932, Serial No. 593,344

In the Netherlands February 28, 1931

5 Claims. (Cl. 159—45)



5. In an apparatus for crystallizing solutions by evaporation or cooling, a receptacle, a series of stationary plates arranged in the receptacle and located in planes at right angles to the longitudinal axis of the receptacle to divide the receptacle into a series of chambers, said plates having passages to establish communication between the chambers, and a series of rotary plates mounted in staggered relation in the receptacle, each rotary plate being arranged adjacent the corresponding stationary plate and of such a size and shape so as to be adapted to periodically close the passage for the liquid left by the stationary plates.

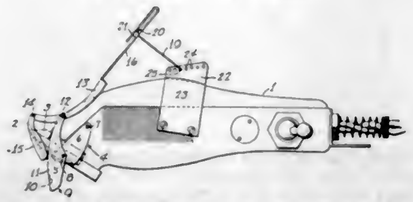
1,982,979

AUTOMATIC HAIR CLIPPING ATTACHMENT

David W. Buller, Reedley, Calif.

Application September 20, 1932, Serial No. 634,051

4 Claims. (Cl. 30—1)



1. The combination with a hair clipper having reciprocating teeth, of a spacer pivoted to the clipper and designed to bear against a person's head, a guard also designed to bear against the head, and means pivotally connected to the clipper and connecting the guard with the spacer for positioning the guard close to the clipper teeth when the clipper body is disposed substantially perpendicular to the surface being clipped, whereby a close clipping of hair is accomplished, the guard being gradually moved further away from the teeth as the clipper body is gradually swung toward a plane paralleling the surface being clipped, the guard and spacer continuously contacting with the head during this swinging movement of the clipper body and being slidable over the head, whereby a shingling of the hair is effected, the abruptness of the shingling depending upon how rapidly the clipper body is swung about the spacer and guard as the clipper is moved along the surface.

1,982,980

DRY KILN

James Forrest Cobb, Portland, Oreg.

Application May 28, 1929, Serial No. 366,704

9 Claims. (Cl. 34—46)



1. In a progressive dry kiln having green and dry ends, and having walls defining the same and stock supporting tracks therein, the combination of a drying chamber, a recirculating chamber having heating pipes therein, a collector chamber located below said tracks at the green end of said kiln, a partition wall separating said collector chamber from said recirculating chamber, an exhaust fan at one end of said collector chamber and operatively mounted in the end wall of the kiln, and ducts extending from the middle portion of said collector chamber to said exhaust fan, whereby circulation between the chambers and control of drying conditions are effected.

1,982,981

CARTON

Donald L. Crane, Tacoma, Wash.

Application October 16, 1933, Serial No. 693,875

3 Claims. (Cl. 229—28)



1. In a device of the character described, a collapsible outer carton and a collapsible inner carton, said inner carton including two integral troughs and a top common to the troughs and provided with a series of article accommodating openings for each trough, and elastic means connected with said inner carton for resiliently retaining the same in an unfolded condition.

1,982,982

SCHEDULE SIGNAL CLOCK

John Louis Crozier, Renton, Wash.

Application June 1, 1925, Serial No. 34,022

13 Claims. (Cl. 200—37)



2. In combination with an electrically operated schedule signal clock, a contact member oblong in form and having a curved bearing surface, said member being radially, angularly adjustable whereby the duration of the completed circuit is in part controlled.

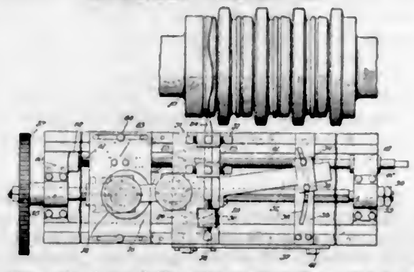
1,982,983

SCROLL CUTTING MACHINE

Frank Czemba, Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill., a corporation of New Jersey

Application October 17, 1932, Serial No. 638,251

11 Claims. (Cl. 82—11)



1. In a device of the character described, comprising a base having longitudinal guideways, a supporting plate fitting in the guideways and secured in position on the base, a tool carrier supported on said plate and having movement on the plate at an angle to the longitudinal axis of the base, an eccentric journalled by said base, a connecting rod between the eccentric and tool carrier, and means for rotating said eccentric whereby said carrier is reciprocated on the base.

11. In a device of the character described, comprising a base having longitudinal guideways, a supporting plate fitting in the guideways, and secured in position on the base, a swivel plate rotatable on the supporting plate and having means for securing said plates in desired relation, a tool carrier mounted in guideways on said swivel plate whereby said tool carrier has rotative and reciprocating movements with respect to the base, a hub provided on said tool carrier, a second supporting plate fitting in the guideways on the base and secured in spaced relation with the tool carrier, means mounted for rotation in said second plate and providing an eccentric, a driving shaft journalled by the base and by said second plate and operatively connecting with said rotatable means, and a connecting rod between the eccentric and the tool carrier for causing reciprocation thereof.

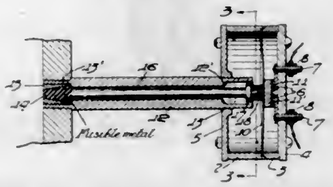
1,982,984

THERMALLY CONTROLLED CIRCUIT BREAKER

Albert A. Durant, Honolulu, Territory of Hawaii

Application November 12, 1932, Serial No. 642,465

6 Claims. (Cl. 200—142)



1. A thermally controlled circuit breaker, comprising a casing, fixed terminal contacts carried thereby, a diaphragm in the casing having a contact member adapted to bridge the fixed contacts, said diaphragm normally tending to disengage the bridging contact from the fixed contacts, a tube supporting the casing at one end and connected with a boiler element at the other end, a fusible plug in the latter end, a rod in the tube engaging the plug, said rod being cooperable with the diaphragm to distend the latter for effecting engagement of the bridging contact with the fixed contacts, and means for moving the rod relatively to the diaphragm upon melting of the fusible plug to permit the diaphragm to return to normal position and thereby effect disengagement of the bridging contact with the fixed contacts.

1,982,985

PROCESS OF PREPARING HYDROGENATED AMINES

Otto Ernst and Ludwig Mack, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

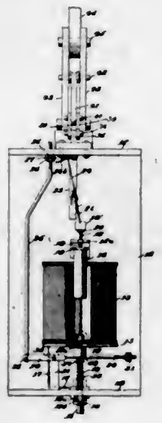
No Drawing. Application February 12, 1929, Serial No. 339,488. In Germany February 18, 1928

12 Claims. (Cl. 260—128)

2. The process of preparing a mixture of dicyclohexylamine and cyclohexylamine which comprises hydrogenating phenol and aniline and simultaneously condensing the compounds thus obtained by conducting the vapors of aniline and phenol together with hydrogen over a nickel metal catalyst known to promote hydrogenation reactions at a temperature of about 185° C.

4. The process for the preparation of secondary amines which comprises heating an alcohol with a primary aromatic amine of the benzene series in the presence of a metallic hydrogenation catalyst, at a temperature between about 100° C. and about 300° C.

1,982,986
SECTIONALIZING RELAY APPARATUS
William L. Garlington, St. Petersburg, Fla.
Application June 20, 1933, Serial No. 676,715
7 Claims. (Cl. 200—89)



1. A trip for a circuit breaker and comprising a notch bar, a spring-pressed rod, an armature mounted on said rod, a lifting latch connected with said rod and arranged to engage the teeth or notches of said bar, a trip carried by said notch-bar and means, co-operating with said trip, whereby said circuit may be broken after a predetermined number of overcurrent impulses have occurred and disappeared.

1,982,987
SENSITIZING OF PHOTOGRAPHIC EMULSIONS
Paul Goldacker, Berlin-Neukolln, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application July 1, 1932, Serial No. 620,535. In Germany July 4, 1931
7 Claims. (Cl. 95—7)

1. A process of preparing a highly sensitive silver halide emulsion which comprises adding to the emulsion at any stage of its preparation a solution of a silver salt of an acid the anion of which contains a metal atom of the tungsten group of the sixth series of the periodic system.

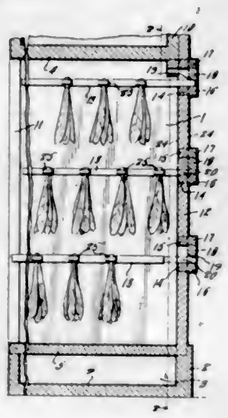
1,982,988
PRODUCTION OF ALCOHOL FREE FROM FUSEL OIL
Adolf Gorhan, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a company of Germany
No Drawing. Application June 15, 1932, Serial No. 617,473. In Germany June 19, 1931
14 Claims. (Cl. 202—67)

1. A process of producing ethyl alcohol of greater than 95% concentration free from fusel oil comprising contacting the vapor of an aqueous alcoholic solution containing fusel oil and at least 10% water with an absolute alcoholic solution of a dehydrating fatty acid salt, drawing off and condensing the alcohol vapors free from fusel oil and retaining the fusel oil with the salt solution.

1,982,989
PRODUCTION OF WATER-FREE ALCOHOLIC LIQUID MIXTURES
Adolf Gorhan, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a company of Germany
No Drawing. Application July 20, 1932, Serial No. 623,688. In Germany August 17, 1931
11 Claims. (Cl. 202—67)

1. The process of dehydrating a mixture of water-soluble organic liquids inert to the dehydrating salts used in the process containing water and ethyl alcohol and substances which will form azeotropic mixtures with water comprising vaporizing said mixture, then passing in countercurrent to said mixture a suspension of potassium and sodium acetate in the ratio of 70 parts to 30 parts in absolute alcohol in the vapor phase, then regenerating the water-containing salts by dehydrating an aqueous solution thereof by heating and then dissolving said regenerated salts in absolute alcohol while maintaining the fluid phase whereby the absolute alcoholic suspension thus obtained may again be used in the dehydrating process.

1,982,990
CASING MACHINE
Gordon D. Harris, Stamford, Conn., assignor to The Industrial Dryer Corporation, Stamford, Conn., a corporation of Connecticut
Application July 22, 1929, Serial No. 379,965
6 Claims. (Cl. 312—172)

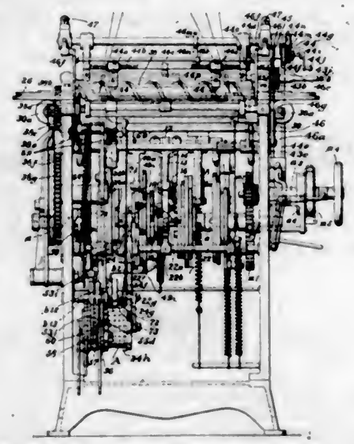


1. In a support construction a stick-supporting wall having a plurality of horizontal slots therein, a plurality of reinforcing strips positioned in said slots, a plurality of blocks mounted between said strips and spaced apart to provide openings therebetween to receive a tobacco-carrying stick, and means associated with said reinforcing strips and adjacent thereto and cooperating therewith for supporting tobacco-carrying sticks.

1,982,991
FULL-FASHIONED KNITTING MACHINE
Kenneth Howie and Charles C. Krieble, Norristown, Pa., assignors to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application February 4, 1932, Serial No. 590,942
110 Claims. (Cl. 66—82)

1. A full fashioned stocking machine having a plurality of yarn guides, flexible bands set up on

edge and wholly supporting and carrying said yarn guides and driving means for reciprocating



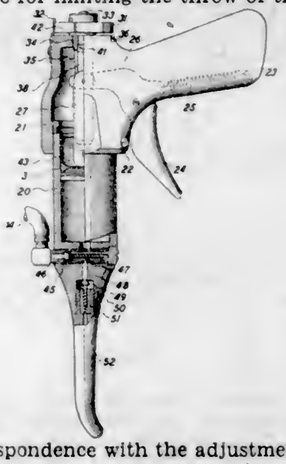
said bands to make the yarn guides move along the prescribed needle row.

1,982,992
PROCESS FOR PURIFYING USED MINERAL LUBRICATING OILS
Ferdinand Joseph Friedrich Karthaus, Probolinggo, Java
No Drawing. Application January 23, 1933, Serial No. 653,194. In the Netherlands March 31, 1932
3 Claims. (Cl. 196—16)

3. Process of purifying used mineral lubricating oils consisting in adding from one to three per cent. by volume of an emulsion to the oil to be purified, raising the temperature of the mixture to about 100° C. allowing the precipitated impurities to settle, and decanting the purified oil, the emulsion employed being formed by dissolving an anhydrous water soluble soap in castor oil by heating up to about 250° C., emulsifying the product with distilled water and giving the emulsion an alkalinity by dissolving therein five per cent. by weight of sodium carbonate.

1,982,993
STOCK DRENCHING INSTRUMENT
Gabriel Peter Kauzal, Sydney, New South Wales, Australia, assignor to Ject-In Limited, Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application June 5, 1934, Serial No. 729,142
In Australia June 6, 1933
2 Claims. (Cl. 128—223)

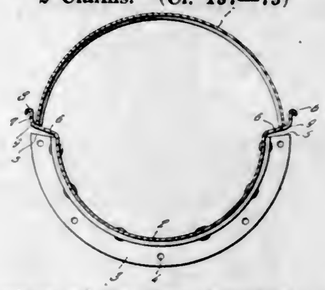
1. In a gravity fed stock drenching syringe having a pistol grip, trigger action plunger driving means, inlet and delivery check valves at the fore end of the cylinder, and a nozzle, a dose volume regulating device consisting of a rotatable spindle in alignment with the barrel butt with a knob fixed to said spindle externally of the stock and engageable by a dialling check, and a non-rotatable sleeve floating on said spindle and helically grooved to coact with a lateral key pin on said spindle to effect endwise movement of said sleeve in relation to the plunger, and thereby operative for limiting the throw of the plunger in correspondence with the adjustment of said knob.



1,982,994
METHOD OF MAKING ACIDOPHILUS MILK
John Harvey Kellogg, Battle Creek, Mich.
No Drawing. Application June 14, 1933, Serial No. 675,713
2 Claims. (Cl. 99—11)

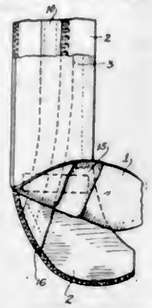
1. A method of producing a *Bacillus acidophilus* soybean milk which comprises thoroughly sterilizing a milk produced from soybeans inoculating the milk with strains of *Bacillus acidophilus*, maintaining the inoculated product at approximately 100° F. while the strains develop, and checking the development when it has progressed a desired extent by cooling the milk.

1,982,995
CULVERT
Raymond T. Lane, Bath, N. Y.
Application September 9, 1933, Serial No. 688,838
2 Claims. (Cl. 137—75)



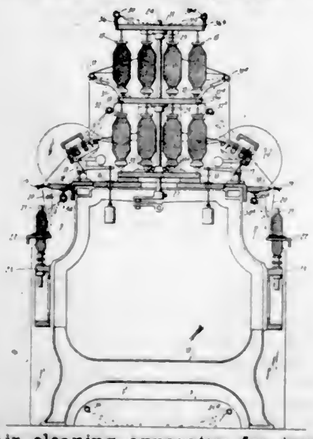
1. A culvert of the class described comprising a bottom section, cradles supporting the bottom section and connected with the outer face thereof, said cradles having inwardly and downwardly sloping ends, shelf forming portions connected with the upper portions of the bottom section and formed of resilient material and normally occupying a position above the ends of the cradles, upstanding flanges connected with the outer edges of the shelf forming portions, a top section having its edges resting on the shelf forming parts, said shelf forming parts moving downwardly under the weight of the material placed on the top section, whereby said shelf forming portions are supported by the ends of the cradles in an inwardly and downwardly sloping position to direct water from said shelf forming portions into the bottom section.

1,982,996
FLY
Irving I. Levine, Norfolk, Va., assignor of one-half to Solomon Mednick, Norfolk, Va.
Application July 28, 1934, Serial No. 737,434
8 Claims. (Cl. 2—234)



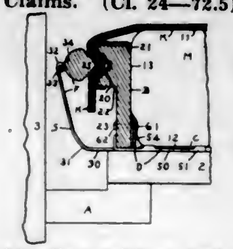
1. Fly assembly comprising right and left flies in lapped relation, the lower ends of said flies being laterally curved and adapted to be substantially congruently arranged, a slide fastener of the "zipper" type closing said flies, comprising strips having series of hooks, and a slide for interdigitating said hooks, one strip being sewn on the right fly adjacent and substantially parallel to the edge of said fly remote from its free edge, to a point adjacent the beginning of the curved portion of said fly, from which point it is diverted from said edge in a downwardly inclined direction to the opposite edge, the other strip being sewn approximately along the middle of the left fly and having its lower portion diverted with a curvature corresponding to that of the first strip, and means for uniting said strips at the lower limit of the opening range of said slide fastener.

1,982,997
APPARATUS FOR CLEANING MACHINES
Willis Walter Linder, Salisbury, N. C.
Application June 6, 1931, Serial No. 542,595
2 Claims. (Cl. 15—20)



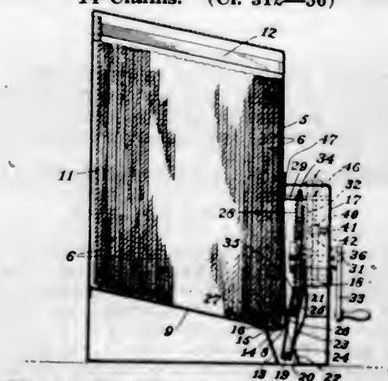
1. An air cleaning apparatus for textile machinery of the character which deposits loose lint to the detriment of its successful operation, embodying a plurality of permanently fixed air distributing pipes arranged in opposition to each other and extending longitudinally of the textile machine, each air pipe being provided with a series of air exit ports directed to the parts of the machine to be cleaned, a source of compressed air, a valve mechanism connected by a pipe to said air source and provided with a plurality of discharge ports and also a valve for controlling said discharge ports alternately, means for operating said valve continuously during the operation of the textile machine, and pipe lines connecting said valve mechanism to said air distributing pipes whereby air is blown alternately from the opposed distributing pipes.

1,982,998
BEDCLOTHES HOLDER
Irven J. Matchett, Methuen, Mass.
Application April 10, 1933, Serial No. 665,317
7 Claims. (Cl. 24—72.5)



1. The combination with a bed including a mattress and a mattress support; of a fixed jaw which extends nearly the entire width of an end of the mattress, said jaw being formed of a board having an angular groove near its top at the outside and a recess below the groove; a plurality of flat feet, each fixed at one end to the bottom of the fixed jaw and each extending between the mattress and its support; a movable jaw which engages the fixed jaw and includes a plurality of elastic supporting arms each attached to the bottom of the fixed jaw and each extending upward therefrom, and a holding bar pivoted to the top of said arms, said holding bar having an angular projection which engages the angular groove in the fixed jaw and having a projecting handle at each end, the parts being so formed and arranged that when the movable jaw is disengaged from the fixed jaw, there will be sufficient space between the parts for the introduction of bed clothing between the jaws but when the jaws are engaged, the elastic supporting arms will be under tension.

1,982,999
NEWSPAPER VENDOR
John G. Miller, Baltimore, Md.
Application March 3, 1933, Serial No. 659,587
14 Claims. (Cl. 312—56)



1. The combination in a vending machine having a chamber for the reception of articles to be delivered, said chamber having an opening for the discharge of articles therefrom, of delivery mechanism for discharging articles from said chamber through said opening, said delivery mechanism comprising a member having means for engaging an article to be delivered, said member being reciprocable in a direction transverse to its length toward and away from said opening and being movable laterally toward and away from an article to be delivered, guide means for determining the path of movement of the member and with respect to which the member has reciprocable movement only, said guide means being movably mounted in said machine so that the member may be shifted laterally toward or away from an article and said engaging means will become engaged or disengaged from the article, said movably mounted guide means constituting the sole guide means for said member, and means for reciprocating said member.

1,983,000
DOFFING MECHANISM FOR FLYER SPINNING, DOUBLING, TWISTING, AND LIKE MACHINES
Moriz Josef Anton Paul, Waidhofen-on-the-Ybbs, Austria, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England
Application November 25, 1931, Serial No. 577,347
In Great Britain March 24, 1931
2 Claims. (Cl. 118—18)



1. Doffing mechanism for spinning, twisting and like machines comprising in combination a pair of interchangeable bobbin rails carrying bobbins, a shaft the axis of which is fixed in space, drums mounted on each end of the shaft, and means for supporting and maintaining said bobbin rails on the surface of said drums with the bobbin axes substantially normal to the aforesaid surface.

1,983,001
PROCESS OF SETTING HIDES
Joseph D. Quick and George F. Mack, Binghamton, N. Y.
No Drawing. Application December 8, 1928, Serial No. 324,797
10 Claims. (Cl. 149—5)

1. The process of setting hides in the manufacture of leather comprising removably stretching hide upon a setting table and maintaining the hide so stretched thereon, applying to the upper surface of the hide a temporarily adhesive solidifying composition which will maintain the hide in stretched condition, and then removing the hide from the table.

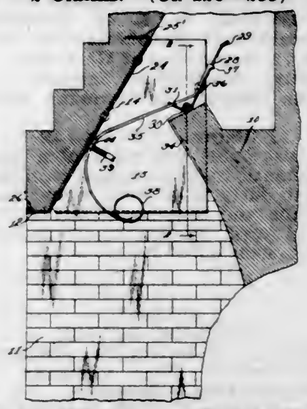
1,983,002
TAG FOR CAKES OF SOAP
Eugene Reeves, Los Angeles, Calif.
Application April 30, 1934, Serial No. 723,191
4 Claims. (Cl. 40—20)

1. Means for marking a cake of soap including a transparent tag having identification markings printed backwards on the underside of said tag so that when viewed through the top side thereof said markings will be in proper position for reading, and an annular rearwardly extending flange integral with said tag for securing it to the cake of soap so that said markings are between the



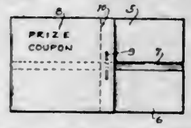
soap and the underside of said tag so they will be protected and preserved during the entire time that the cake of soap is in use.

1,983,003
COMBINED FIREPLACE FORM AND DAMPER CONSTRUCTION
Eri H. Richardson, Palo Alto, Calif.
Application July 20, 1931, Serial No. 552,036
2 Claims. (Cl. 126—288)



1. A fireplace form comprising end plates and a front plate adapted to form the side and front walls of the fireplace throat; said end plates and front plate being interconnected; relatively narrow limiting means carried by said end plates in predetermined spaced relation to the rear of said front plate and forming the sole rear structure of said form, whereby the extent to which the fireback is to be carried upwardly and forwardly to determine the rear wall of the throat and the area of the throat opening is determined by said limiting means.

1,983,004
PRIZE TICKET FOR ANIMAL RACING
Thad W. Rowland, St. Petersburg, Fla.
Application March 22, 1934, Serial No. 716,890
5 Claims. (Cl. 283—6)



1. Ticket comprising a paper blank having one end folded over an adjacent portion of the blank, and leaving an exposed portion, the folded portion being designed to conceal beneath the fold a number representing a chance and a prize, means adjacent the end of said folded portion securing it to the underlying portion, and lines of severability on each side of said securing means, of differential values of weakness, that adjacent the exposed portion being the weaker whereby upon severing the folded portion from the exposed portion, the breach will invariably occur between the exposed and folded portions, leaving the latter intact, but subsequently openable along the line of less weakness.

1,983,005
POSITIVE SENSITIZED PAPER
Sueo Sakurai, Koishikawa-Ku, Tokyo, Japan, assignor to Zaiden Hojin Rikagaku Kenkyujo, Tokyo, Japan
No Drawing. Application June 22, 1933, Serial No. 677,172. In Japan May 14, 1927
5 Claims. (Cl. 95—7)

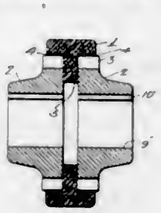
5. A positive sensitized paper having a dry coating composed of a metal salt of p-diazodiphenylamine in admixture with an acid, said metal salt being selected from a group consisting of zinc salt and manganese salt.

1,983,006
ANTIRUST PAINT
Hermann Schladebach, Dessau in Anhalt, and Herbert Hähle, Dessau-Ziebigk in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany, a corporation of Germany
No Drawing. Application January 31, 1929, Serial No. 336,641. In Germany February 2, 1928
11 Claims. (Cl. 134—79)

1. Anti-rust paint consisting of a solution in a liquid aromatic hydrocarbon of a cellulose ester of a higher fatty acid with more than seven carbon atoms and of a metal salt of the group consisting of ferric, lead and copper salts of naphthenic, oleic, stearic and resinic acids,

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1,983,007
COUPLING DEVICE
Frank K. Simons, St. Davids, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application October 25, 1932, Serial No. 639,525
3 Claims. (Cl. 64—92)



1. A three-part coupling, comprising solely a non-metallic part and two metallic parts adapted for direct attachment to power transmitting shafts, said non-metallic part comprising a unitary rigid body having opposed separated sockets for snugly receiving the metallic parts, the sockets having peripheral walls of dentate formation, and the metallic parts having peripheral dentated portions adapted for interdentate association with the said socket walls.

1,983,008
PURIFICATION OF BAST FIBERS
Francis H. Snyder, New York, N. Y., assignor to Francis H. Snyder, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 23, 1934, Serial No. 708,003
14 Claims. (Cl. 92—12)

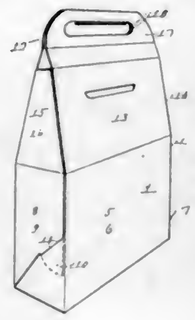
1. The process of purifying bast fibers which comprises subjecting the same to the joint action of a soluble sulfite and a non-carboxylic fatty detergent.

1,983,009
PLATE GLASS SURFACING TABLE
Jacob Soderberg, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application November 23, 1933, Serial No. 699,425
9 Claims. (Cl. 51—240)



1. A plate glass surfacing table of metal comprising an openwork frame made up of a plurality of intersecting spaced longitudinal and transverse metal ribs, a top plate overlying the frame, and interlocking slide means between the lower side of the top plate and the upper edge of the frame permitting the top plate to expand freely longitudinally and laterally but preventing its bodily movement relative to the frame in either direction.

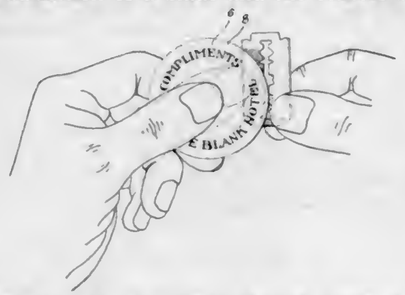
1,983,010
CARTON
Russell H. Spees, Constantine, Mich., assignor to Wolverine Carton Company, Wyoming township, Kent County, Mich., a corporation of Michigan
Application March 5, 1934, Serial No. 714,023
5 Claims. (Cl. 229—52)



4. A carton rectangular in horizontal section comprising a lower part and a part tapering upwardly therefrom, made by bending a flat sheet comprising a rectangular middle portion forming the bottom of the carton, a pair of rectangular portions at the opposite sides of the middle portion forming the sides of said lower part of the carton each having a pair of end flaps forming the ends of said lower part and provided with interlocking means, flaps extending from one pair of said end flaps forming the ends of said tapering upper part, and comprising also a pair of portions tapering from said pair of rectangular portions forming the sides of said upper part and having hand-receiving openings therethrough.

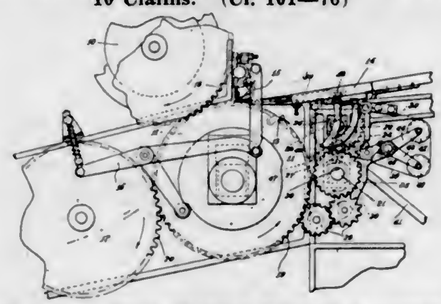
1,983,011
RAZOR BLADE WIPER AND DRIER
Frederick J. Troll, Towson, Md., assignor to Robert N. Baer, Baltimore, Md.
Application May 2, 1934, Serial No. 723,444
4 Claims. (Cl. 15—218)

1. A wiper for razor blades comprising a plurality of disks of absorbent material with fastening means at the center, the peripheral edges of the disks being divergently arranged for the convenient admission of a blade and the centers being



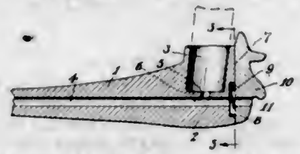
tightly compressed to prevent contact of a blade edge with the fastening.

1,983,012
NUMBERING MACHINE
Peter Aitchison, New Rochelle, N. Y., assignor to American Bank Note Company, New York, N. Y., a corporation of New York
Application August 8, 1933, Serial No. 684,281
10 Claims. (Cl. 101—76)



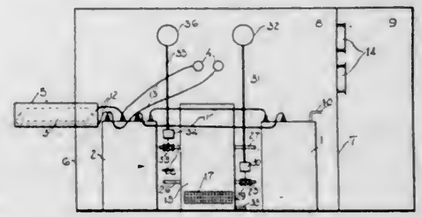
1. A numbering machine embodying therein a printing couple consisting of a numbering head cylinder, and an impression cylinder, parallel shafts adjacent the members of said printing couple, one of said shafts having thereon a circular female perforating die, and the other shaft having a circular male perforating die co-operating with said female die, sheet receiving means adjacent said perforating dies, an endless tape passing about said impression cylinder and over said female perforating die, and guide rollers for said tapes positioned beyond said perforating dies, whereby a sheet of paper is caused to pass from said dies to said sheet receiving means and is held against said female perforating die during the perforating operation.

1,983,013
CIGARETTE HOLDER
Johanna Elsie Aster, New York, N. Y.
Application July 25, 1931, Serial No. 553,022
2 Claims. (Cl. 131—10)



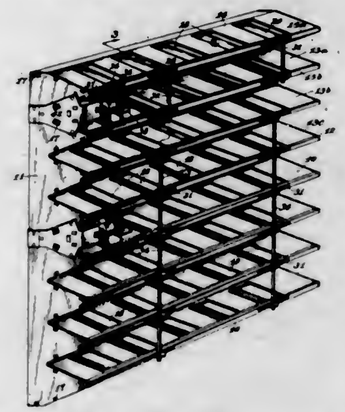
1. A cigarette holder or the like comprising a stem member having a duct extending therethrough and provided with an open cavity to receive the cigarette or the like, the said cavity being disposed at an angle to the stem duct and having in its bottom a reduced aperture in communication with said duct, said stem member having a surface adjacent the end of said duct forming a valve seat, an initially separate terminal member applied to the stem member, said terminal member being apertured, one of said members being recessed to provide a chamber, and a valve member movable in said chamber to contact with said seat to control the end of the duct.

1,983,014
X-RAY APPARATUS
Harold R. Austin, South Norwalk, Conn., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application March 22, 1933, Serial No. 662,042
11 Claims. (Cl. 250—34)



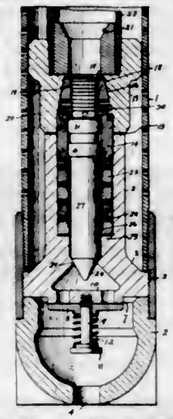
1. In combination with X-ray apparatus, a housing therefor, means for continuously circulating the air in said housing and means for modifying the moisture content of said air.

1,983,015
AIR CONTROL REGISTER
James H. Bailey, New Canaan, Conn., assignor to Hart, Cooley, Highton, Co., New Britain, Conn.
Application February 21, 1933, Serial No. 657,786
8 Claims. (Cl. 98—101)



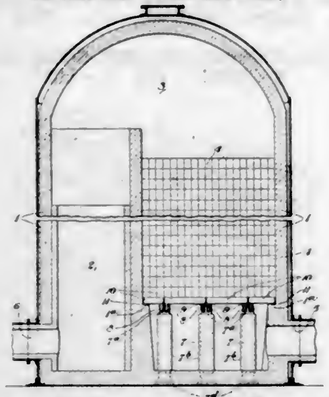
2. Air discharge apparatus comprising a conduit having a discharge end located in a substantially vertical plane and having a substantially vertical approach to the discharge end; and air control means positioned substantially vertically adjacent said discharge end, said control means having substantially horizontal corrugations projecting into the conduit and exposed to air flowing through said conduit, said corrugations having discharge openings in the sides of the corrugations.

1,983,016
WELL SCREEN
Ernest L. Barker, Houston, Tex.
Application March 15, 1933, Serial No. 660,879
4 Claims. (Cl. 166—5)



1. The combination with a cylinder having a converging seat therein, engaging slips on said seat, a plug fitted in the cylinder and engaged and retained therein by said slips, an annular, downwardly directed flexible lip on the cylinder wall which closely surrounds said plug, and an upwardly opening cup ring on the plug which fits closely within the cylinder.

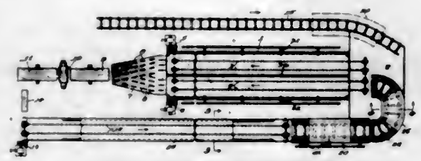
1,983,017
BLAST-FURNACE STOVE
Andrew Bowland, Mount Lebanon, Pa.
Application October 9, 1933, Serial No. 692,767
11 Claims. (Cl. 263—19)



1. A blast-furnace stove having an internal bottom construction including the combination of a supporting structure, a plurality of horizontal metal bars supported by said structure in spaced parallel relationship, asbestos strips laid on said metal bars and a checkerwork supported by said metal bars and with its individual bricks registering therewith and resting on said asbestos strips.

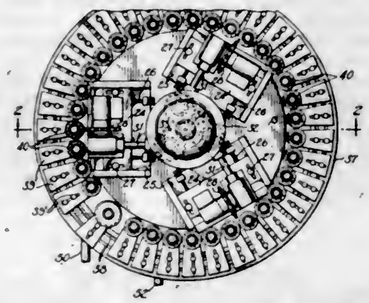
1,983,018
METHOD OF AND APPARATUS FOR ROLLING SHEETS
Charles A. Davis, Youngstown, Ohio
Application June 4, 1932, Serial No. 615,333
14 Claims. (Cl. 29—17)

1. That method of rolling sheets which comprises the steps of moving sheets in parallel lines from the charging end of a heating furnace toward its delivery end, rolling a sheet taken from one of said lines, doubling the rolled sheet, moving the doubled sheet in reverse direction to a point adjacent the charging end of the furnace and positively subjecting said sheet to a relatively high temperature during said reverse movement, recharging it into the furnace and again moving it therethrough in a path other than that of its initial movement, and rolling a doubled sheet taken from said last-mentioned path while the first sheet is being doubled and reversely moved preparatory to recharging.



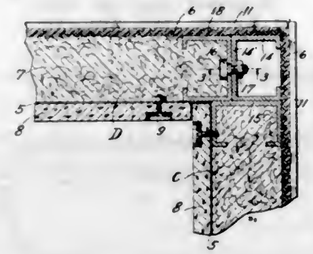
9. Sheet rolling apparatus comprising a heating furnace having a pair of conveyors extending therethrough respectively adapted to move sheet packs consecutively from the charging to the delivery end of the furnace, rolling means disposed adjacent said delivery end, a return conveyor extending from the vicinity of said rolling means toward said charging end adapted to move the packs after rolling in a direction opposite that in which they were initially moved through the furnace, a holding furnace adapted to receive the packs from the conveyor and inhibit material dissipation of their heat content while they are maintained therein, and means for discharging the packs from the holding furnace to a point convenient for recharging into the heating furnace.

1,983,019
GEAR CUTTING MACHINE AND METHOD
Adolph L. De Leeuw, Plainfield, N. J.
Application August 30, 1932, Serial No. 631,042
12 Claims. (Cl. 90—4)



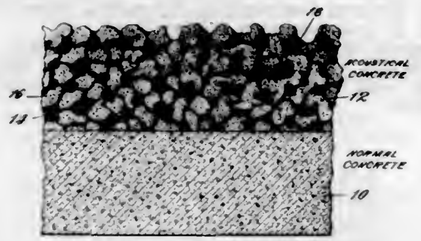
4. A machine of the character described comprising a master gear, an orbital series of pinions meshing therewith, means for securing a gear blank coaxially rigid with each pinion, a turntable coaxial with said series, a rotary cutter mounted on the turntable and adapted to be carried by the turntable into cutting engagement with the blanks sequentially, means for rotating the gear and the turntable at slightly different speeds and simultaneously feeding the turntable axially so as to effect a helical development, across the face of the blank of the cuts made by the cutter across the face of the blank.

1,983,020
BUILDING CONSTRUCTION
James C. De Vol, Louisville, Ky., assignor, by mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1932, Serial No. 638,696
6 Claims. (Cl. 72—16)



1. A unitary panel for building wall construction comprising a frame of metallic channel members or the like, a relatively thin sheet metal covering secured to one side of said frame, a sheet of fire proof heat insulating material of substantial thickness secured to said thin metal sheet, a covering of metal lath secured to the opposite side of said frame, the space between said metal lath and said thin metal sheet being filled with rock wool.

1,983,021
ACOUSTICAL CONCRETE
Leslie B. Eaton, Los Angeles, Calif., assignor, by mesne assignments, to Kalite Company, Limited, Pasadena, Calif., a corporation of California
Application March 17, 1931, Serial No. 523,273
6 Claims. (Cl. 106—24)

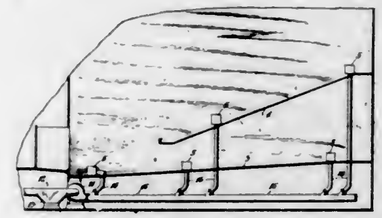


1. A composition of matter consisting of natural volcanic pumice and Portland cement in the ratio of six to one by weight and mechanically mixed with an aqueous solution of a gelatinous material of glue and alum forming temporary air bubbles breaking up on drying.

1,983,022
ACOUSTICAL PLASTER
Leslie B. Eaton, Los Angeles, Calif., assignor to Kalite Company, Limited, Pasadena, Calif., a corporation of California
No Drawing. Application August 19, 1933, Serial No. 685,856
9 Claims. (Cl. 72—17)

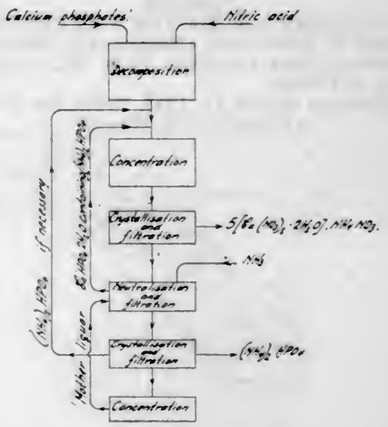
1. An acoustical plaster for a wall surface which comprises a finely ground mineral aggregate, ground to a fineness of minus 20 to plus 100 mesh, a plaster binder, an albuminous frothing agent, and a dextrine hardener.

1,983,023
METHOD AND APPARATUS FOR VENTILATION
Walter L. Fleisher, New York, N. Y., assignor to Auditorium Conditioning Corporation, New York, N. Y., a corporation of New Jersey
Application January 14, 1932, Serial No. 586,512
8 Claims. (Cl. 98—33)



2. The process of ventilating and conditioning a room, which comprises conditioning air, at a point remote from the room, to a temperature too cold for comfort, mixing therewith at a point within the room air from the room having a condition different from the conditioned air to form a mixture having a dry bulb temperature higher than that of the conditioned air and a relative humidity lower than that of the conditioned air and discharging the mixture at said point of mixture in the room in constant volume regardless of changes in the proportions of conditioned air and room air in the mixture.

1,983,024
TREATMENT OF CRUDE PHOSPHATES
Antonius Foss, Oslo, Norway, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway
Application May 20, 1933, Serial No. 672,048
In Norway May 21, 1932
5 Claims. (Cl. 71—7)



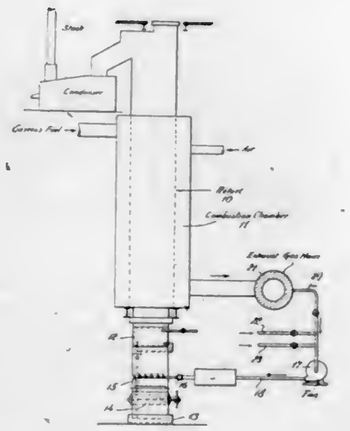
1. In the treatment of crude phosphates using nitric acid as dissolving agent and depositing the lime in the form of a double compound, the process which consists in first dissolving the raw material in nitric acid and then adding phosphate of ammonia, thereby precipitating lime in the form of a double salt of calcium nitrate and ammonium nitrate.

1,983,025

REDUCTION OF ZINCIFEROUS MATERIAL

Philip M. Ginder and Erwin C. Handwerk, Palmerton, Pa., assignors to The New Jersey Zinc Company, a corporation of New Jersey

Application December 30, 1931, Serial No. 583,921
6 Claims. (Cl. 75—28)



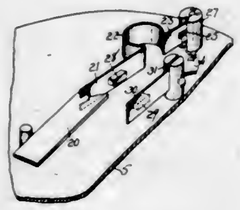
1. In the reduction of an agglomerated charge of mixed zinciferous material and carbonaceous reducing agent in a vertically disposed externally heated reduction retort, the steps which comprise, sealing the spent residue discharge end of the retort against ingress of outside air and egress of inside retort gases and zinc vapor, introducing under pressure a controlled amount of exhaust gases from the combustion chamber surrounding the retort into the retort at or near its lower end to inhibit the flow downward in the retort of zinc vapor.

1,983,026

ACCELERATOR SWITCH FOR CLOCKS

William H. Greenleaf, Chicago, Ill., assignor to Western Clock Company, Peru, Ill., a corporation of Illinois

Application March 27, 1928, Serial No. 265,030
4 Claims. (Cl. 200—67)



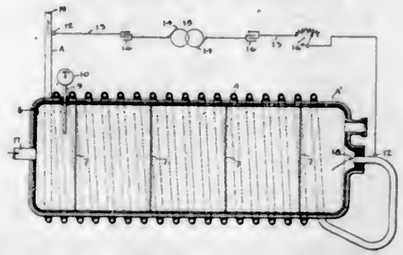
4. In an electric switch, a post having a longitudinal groove with a web extending across the groove, a spring notched at one end to seat in the groove with the web entering the notch and also notched at its opposite end to receive an actuating member, a blade projecting in extension of said spring, a pair of contacts one of which is mounted on said blade, and means for moving the spring to make and break said contacts.

1,983,027

HEAT TREATMENT OF PETROLEUM OIL VAPOR AND OTHER HYDROCARBONACEOUS STARTING MATERIAL

Ira Walton Henry, Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y., a corporation of New York

Application May 6, 1929, Serial No. 360,926
Renewed April 24, 1934
1 Claim. (Cl. 204—31)



The method of treating hydrocarbon vapor while hot and in a condition normally to deposit carbon comprising passing a current of pre-heated hydrocarbon vapor through an inductively heated high frequency electric current conducting tube forming a coil whereby the temperature of the vapors is suddenly increased and cracking takes place simultaneously with the fixation of the carbon content, subsequently expanding the superheated hydrocarbon vapors into a chamber of greater cross-section, said chamber being positioned within and surrounded by said coil whereby the expanded vapors are subjected to a high frequency oscillating electro-magnetic field and removing the treated vapors from said chamber.

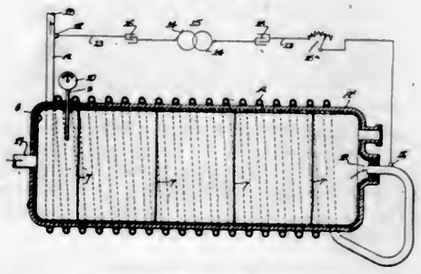
1,983,028

OIL CRACKING APPARATUS

Ira Walton Henry, Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y., a corporation of New York

Original application May 6, 1929, Serial No. 360,926. Divided and this application March 20, 1930, Serial No. 437,557. Renewed April 24, 1934

12 Claims. (Cl. 204—31)



2. In apparatus of the class described, the combination of an expansion chamber structure; an electromagnetic field generating hollow coil; said expansion chamber being positioned within the generated electro-magnetic field; an insulating lining for the chamber wall between it and the coil turns; and current generating and current control apparatus in circuit with the coil; the wall of the expansion chamber being connectible with a supply pipe and also with a discharge pipe; the supply pipe communicating with the coil space for flow of material from the supply pipe through the coil.

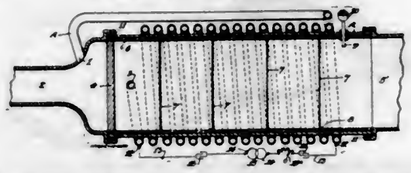
1,983,029

OIL HEATING APPARATUS

Ira Walton Henry, Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y., a corporation of New York

Original application May 6, 1929, Serial No. 360,926. Divided and this application March 20, 1930, Serial No. 437,558. Renewed April 24, 1934

4 Claims. (Cl. 204—31)



1. In oil heating apparatus, the combination with a walled expansion chamber, and apparatus for establishing a high frequency, oscillating, non-sparking, electro-magnetic field within and at the outside of the expansion chamber wall; of an electric current and oil vapor conducting coil having an oil vapor intake and, within said expansion chamber, an oil vapor discharge.

1,983,030

SOUND RECORD AND PROCESS OF PREPARING SAME

Willy O. Herrmann, Munich, Germany, assignor, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application June 2, 1931, Serial No. 541,690. In Germany June 7, 1930
12 Claims. (Cl. 106—22)

1. A record having sound grooves comprising a composition containing a polymerized vinyl ester and a cellulose ester.

1,983,031

STERILIZING COMPOSITION

Lester C. Himebaugh, New York, and Philip P. Gray, Hollis, N. Y., assignors, by mesne assignments, to Parker, White and Heyl, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 2, 1930, Serial No. 449,353
2 Claims. (Cl. 167—26)

1. A germicidal preparation for sterilizing at room temperature surgical instruments and other articles subject to impairment by heat or corrosion, said preparation containing approximately 4% formaldehyde, an alcohol, a small quantity of a corrosion inhibiting agent comprising a nitrite and water, the water content of the solution being not substantially greater than 15%.

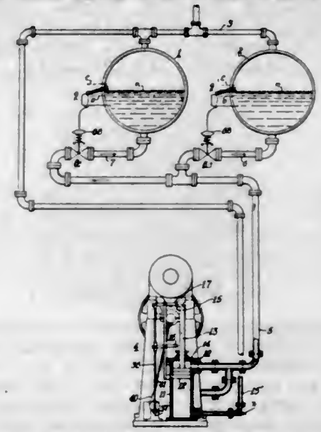
1,983,032

SYSTEM AND APPARATUS FOR DELIVERING FEED WATER TO STEAM BOILERS

Joseph E. Holveck, Crafton, Pa., assignor to The Aldrich Pump Company, a corporation of Pennsylvania

Application April 11, 1932, Serial No. 604,370
1 Claim. (Cl. 103—40)

The combination with a boiler having a feed water delivery line connected thereto, a continuously driven pump connected to deliver water to said line, mechanism for loading and unloading the pump, and means for operating said loading and unloading mechanism, of a cylinder having a piston therein of substantial travel and displacement, a piston rod attached to one side of said piston providing differential piston areas, said piston rod being disposed to actuate said operating means to effect loading of the pump when the piston reaches the end of its stroke in one direction and to effect unloading of the pump when the piston reaches the end of its stroke in the opposite direction, a connection between said feed water line and cylinder placing the piston rod side of the piston in continuous communication with the feed-water line, a connection between said cylinder and the steam space of the boiler placing the opposite and larger side of the piston in continuous communication with said



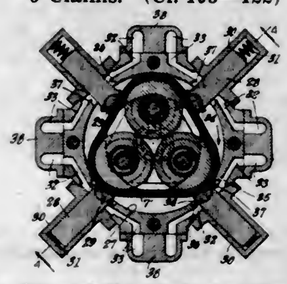
steam space, the piston travelling in one direction when the pump is loaded under the action of water pressure, and in the other direction under the action of steam pressure when the pump is unloaded, the pump, piston and cylinder cooperating to maintain a continuous flow of feed-water to the boiler, and means responsive to changes in the boiler water level for varying the water pressure developed by the pump in the feed-water line and in the connection thereof to said cylinder to thereby vary the speed of travel of the piston in either direction, the length of time the pump is loaded and unloaded, and the rate of water delivery to the boiler in accordance with the boiler water level.

1,983,033

ROTARY PUMP, COMPRESSOR, OR THE LIKE

Miller R. Hutchison, Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y., a corporation of New York

Application November 30, 1932, Serial No. 644,995
6 Claims. (Cl. 103—122)



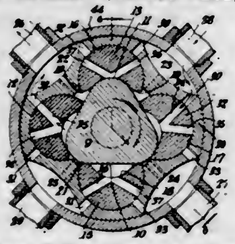
4. A machine of the character disclosed, comprising in combination, a casing and a shaft relatively rotatable, said casing having concave chamber defining walls therein substantially concentric to the shaft, three or more rollers

concentrically grouped on the shaft, an endless belt located entirely within the casing extending about said three or more rollers and co-acting with said chamber forming walls within the casing to form therewith variable displacement chambers in the relative rotation of the shaft and casing and gate members extending outward from the belt and mounted to follow the undulatory movement of the belt.

1,983,034
ROTARY PUMP, COMPRESSOR, ENGINE, AND THE LIKE

Miller R. Hutchison, Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y., a corporation of New York

Application January 31, 1933, Serial No. 654,420
15 Claims. (Cl. 103—124)

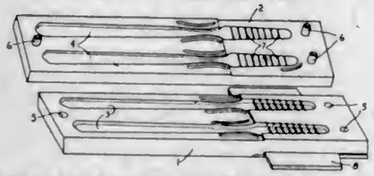


1. A machine of the character disclosed, comprising a casing, a lobed cam operating therein, a rocker journalled in said casing and having a cavital face opposed to the cam, said casing having inlet and outlet passages and said rocker having inlet and outlet ports extending from the cavital face of the same to communicate with the inlet and outlet passages in the casing.

1,983,035
MEANS FOR MANUFACTURING BRUSH HANDLES

Riichiro Izawa, Kyoto, Japan

Application August 31, 1933, Serial No. 687,578
1 Claim. (Cl. 18—42)



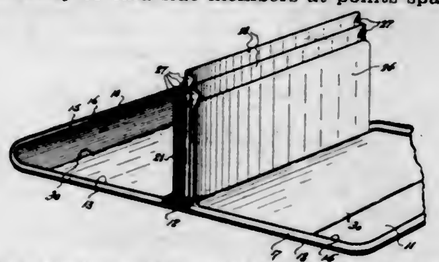
A device for forming brush backs, comprising a pair of die-blocks having complementary grooves coacting to form a mold, a series of ribs carried by one of said blocks within a portion of its groove and extending transversely thereof, the other die being provided with an open slot at that portion of its groove opposite the rib-carrying portion of the companion block, and a member removably carried by said slotted block and having a series of ribs extending into said slot, all of said ribs having knife edges lying in the plane of the meeting surfaces of said die-blocks, the knife edges of one of said series of ribs being cut away at the center portions thereof thereby to form a recess in said ribs.

1,983,036
PORTFOLIO

Ary Kaufmann, South Orange, N. J., assignor to K. Kaufmann & Co., Inc., a corporation of New Jersey

Application June 13, 1934, Serial No. 730,442
9 Claims. (Cl. 150—1.6)

9. A portfolio or the like, comprising a main body arranged to fold along a medial line to form closed together side members capable of being opened out into flat-lying position, and a central compartment having side panels interconnected at their ends for relative movement, said panels being secured along their bottom portions respectively to said side members at points spaced

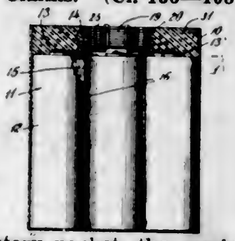


outwardly from the line of fold of said main body, whereby said compartment assumes an upstanding laterally expanded condition when said side members are down-folded to flat-lying position and a laterally contracted condition when said side members are closed together.

1,983,037
DRY BATTERY PACKET

Henry Koch, Jamaica, N. Y., assignor to Dictograph Products Company, Inc., Jamaica, N. Y., a corporation of Delaware

Application October 23, 1933, Serial No. 694,773
9 Claims. (Cl. 136—108)

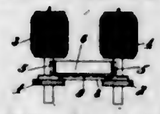


1. In a battery packet, the combination of a dry cell, a unitary terminal block having an insulating member with open sockets, exposed contacts therein electrically connected across the terminals of the cell, and initially plastic insulating material holding the block in fixed position over the terminal end of said cell and leaving the said sockets open.

1,983,038
DRIVE ARRANGEMENT FOR TWISTING MACHINES WITH SPINDLES ARRANGED ON BOTH SIDES

Wilhelm Lenk, Remscheid-Lennep, Germany, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Mohrenstrasse, Wuppertal-Oberbarmen, Germany

Application September 30, 1932, Serial No. 635,588
In Germany December 17, 1931
7 Claims. (Cl. 118—47)

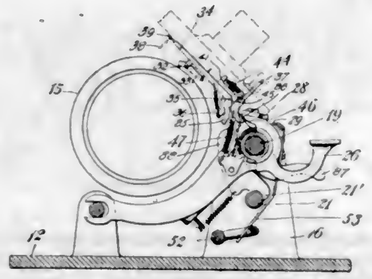


1. A spindle drive for double-sided twisting machines, comprising in combination two rows of spindles, an endless belt bearing against the inner side of said spindles, guides between the two opposite runs of said belt adapted to contact the inner faces of said belt runs and maintain said belt in contact with both rows of spindles and to move transversely relatively to the running direction of said belt to equalize the tension in the two runs of said belt.

1,983,039
PHONOGRAPH

Joseph M. Lucarelle and John E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York

Application April 24, 1926, Serial No. 104,407
Renewed July 30, 1932
16 Claims. (Cl. 274—21)

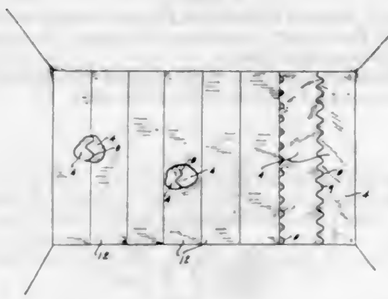


1. In combination, a stylus; a sound-box; a frame; a carriage movably mounted on said frame; means for mounting the stylus in the sound-box and adapted to permit the stylus to have free tracking movement, said means comprising a pivoted bracket; means for mounting the sound-box on the carriage; a lever pivoted on the sound-box; and a notched wheel mounted on said lever and adapted to engage said bracket when the carriage is spaced along the frame to lock the stylus against free tracking movement, said notched wheel being frictionally held against undesired movements.

1,983,040
BLANK STOCK

Henry W. Lyons, Portland, Oreg.

Application September 19, 1932, Serial No. 633,897
3 Claims. (Cl. 41—10)



3. Wall covering for the purposes described comprising a sheet of paper formed along its edges with a plurality of integral tongues equally spaced apart throughout the length of the sheet, the tip of each tongue being formed on a radius and the sides of the tongue extending tangentially from the tip in angular relation to the longitudinal centerline of the tongue, and the corresponding sides of two adjoining tongues converging tangentially into a radius equal to the radius of the tip of the tongue.

1,983,041
PRODUCTION OF CARBAMATES OF THE ALKALI-FORMING METALS

Robert Burns MacMullin and Wesley King McCready, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application June 4, 1932, Serial No. 615,464
6 Claims. (Cl. 260—112)

1. In the production of carbamates of the alkali forming metals, the improvement which comprises bringing together, in the presence of water, a diluent liquid miscible with water but in which the carbamate to be produced is less soluble than in water, and ammonia, carbon dioxide and a soluble salt of the metal, water being present in proportion approximating 5%–100% by weight of the ammonia, and separating the metal carbamate from the resulting solution.

1,983,042
SPLICE FOR LEAD SHEATHED CABLES

Adolph Z. Mample, Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application May 12, 1930, Serial No. 451,744
3 Claims. (Cl. 173—268)

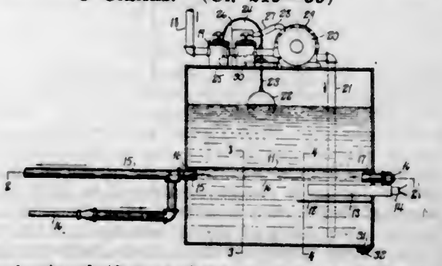


1. The steps in the method of forming a cable joint between a plurality of lead sheathed cables and a single cable which consists in slipping a lead sleeve over the single cable at one end of the splice, forming a pair of separator plates each having a diameter slightly less than the internal diameter of the sleeve and each having correspondingly positioned openings to receive the respective cables at the other end of the splice, exposing clean metal surfaces on the ends of the sheaths and the inner wall of the adjacent end of the sleeve and covering said exposed surfaces with a flux, leading said cables through said openings, splicing the conductors of the cables at one end of the splice to the conductors of the cable at the other end, moving the sleeve and plates into position so that the sleeve covers the conductor splices and the plates lie in spaced relation within an end of the sleeve, and filling the space between said plates with molten material to cohere with said clean surfaces of the lead sheaths and inner surface of the sleeve and make a sealed joint therebetween.

1,983,043
CIRCULATING SYSTEM

Calvin L. Martin, Waterbury, Conn.

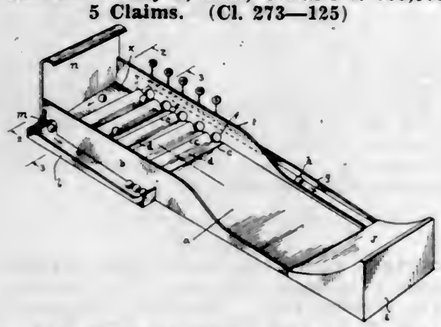
Application January 11, 1934, Serial No. 706,309
3 Claims. (Cl. 219—39)



1. A circulating system comprising a tank, a transversely-arranged housing located in the

tank, an electric heater in the housing, an outlet from the housing and a return to the housing around the heater, and means for maintaining a predetermined level of fluid in the tank.

1,983,044
GAME
Melvin D. Maynard, Brooklyn, N. Y.
Application May 6, 1932, Serial No. 609,609
5 Claims. (Cl. 273—125)

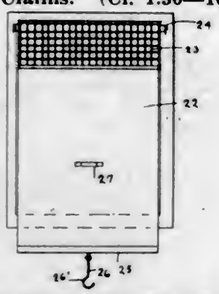


2. A game apparatus comprising a ball confining inclined runway, a plurality of crests and troughs situated across the runway angularly disposed with respect to the longitudinal center line thereof, said crests and troughs also sloping toward one side of the confining surface in which openings are located in juxtaposition to the lower level of each of the troughs.

1,983,045
COLORING MATTER DERIVED FROM PYRAZOLONES
Ralph B. Payne, Elma, and Karl Friedrich Conrad, Buffalo, N. Y., assignors to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 26, 1930, Serial No. 455,947
20 Claims. (Cl. 260—87)

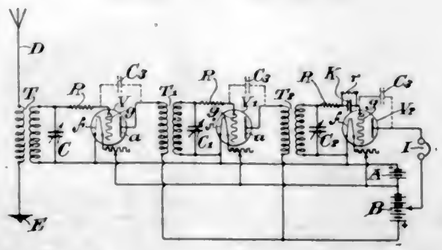
1. A composition of matter comprising the organic reaction product of a pyrazolone compound with a dyestuff containing at least one acid group but not containing a diazo group.

1,983,046
VENTILATING WINDOW SHADE
John Picco, New York, N. Y.
Application July 6, 1932, Serial No. 621,029
9 Claims. (Cl. 1.56—10)



1. A window shade consisting of a spring supporting roller, a shade connected to said spring roller by means of a screen, and means for looping the lower part of the shade against the body of the shade, whereby the upper and lower parts of a window may be ventilated while the intermediate part thereof is shaded.

1,983,047
AMPLIFYING APPARATUS
Albert D. Silva, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 26, 1924, Serial No. 728,280
1 Claim. (Cl. 179—171)



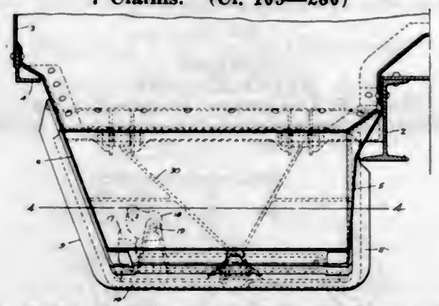
The combination with a thermionic amplifier, having grid, cathode and anode, of an input system therefor tunable throughout a wave length range by fixed inductance and a variable condenser in shunt therewith forming a tunable loop, an output system tunable throughout said wave length range by a fixed inductance with a variable condenser effectively in shunt therewith, the tendency of the amplifying system to become unstable increasing throughout said wave length range as said input and output systems are tuned to shorter and shorter wave lengths of said range, means for biasing said grid to a potential substantially negative with respect to said cathode, whereby the conductivity between said grid and cathode is insubstantial, and a conductive impedance of fixed magnitude in said input system external to said tunable loop thereof and in series with capacity formed by said grid and cathode, whereby the tendency of the amplifying system to instability is compensated for by said impedance whose stabilizing effect rapidly increases with decrease of wave length.

1,983,048
BUFFER MECHANISM FOR PASSENGER CARS
Vinton E. Sisson, Winnetka, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application April 15, 1933, Serial No. 666,267
14 Claims. (Cl. 105—14)



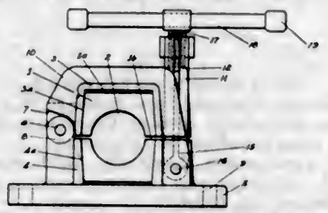
1. In a railway car having a wall element and a diaphragm face plate element, a buffer mechanism positioned between said elements comprising a leaf spring, means to pivotally attach the medial portion of the spring to one of said elements, and means to pivotally attach the end portions of the spring to the other of said elements, the axes of said means being substantially parallel to the face of the wall, whereby the elements may move vertically relative to each other.

1,983,049
RAILWAY CAR HOPPER DOOR
Vinton E. Sisson, Winnetka, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application September 15, 1933, Serial No. 689,500
7 Claims. (Cl. 105—280)



1. A door forming part of the load retaining means of a railway car consisting of an integral casting comprising a closure portion, spaced apart hinge lugs adjacent one side thereof, an aperture through said closure portion adjacent the opposite side thereof adapted for the reception of a retaining device, and a rib extending from adjacent each hinge lug to adjacent said aperture.

1,983,050
CLAMPING DEVICE
Fred W. Sizer, Harbert, Mich.
Application August 26, 1933, Serial No. 686,862
5 Claims. (Cl. 81—19)



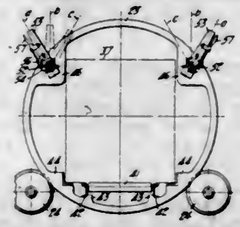
1. A clamping device, comprising in combination with a friction element of elastic material, composed of a plurality of sections, each of said sections grooved to conform to a portion of the contour of the object to be clamped and having tapered sides; a holder having tapered walls to support said element, and means, actuating said holder for applying pressure to said element.

1,983,051
HYDRAULIC POWER DUMPING MECHANISM
Ralph E. Smith, Galion, Ohio, assignor to The Galion Metallic Vault Co., Galion, Ohio, a corporation of Ohio
Application June 15, 1931, Serial No. 544,503
6 Claims. (Cl. 298—22)



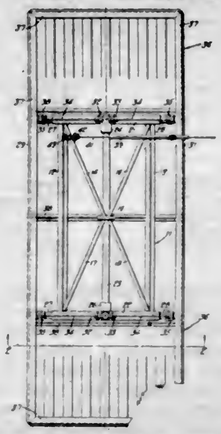
1. In a dump truck, a frame, a body pivoted to the frame, a cylinder attached to the frame, a piston and piston rod in the cylinder operatively connected to the body for dumping it, means to admit a fluid under pressure to one end of the cylinder on one side of the piston, said piston and piston rod having a passageway therethrough, a pipe without the cylinder connecting the other end of said cylinder to said means, means cooperating with the fluid under pressure to close said passageway, and a ring on the piston rod operated by the cylinder to open said passageway, whereby the fluid is by-passed through said pipe and the piston is held in one position.

1,983,052
SYSTEM OF HANDLING PRODUCE SUCH AS LETTUCE
Ellis H. Spiegl, Salinas, Calif.
Application February 4, 1933, Serial No. 655,231
2 Claims. (Cl. 214—1.1)



1. In a system of handling produce a dumping means comprising a pair of spaced circular ends having shoulders therein, channels spanning the space between said ends, a plurality of rollers extending transversely between and journalled in said channels to form a container supporting floor, and abutments on said ends adjacent said rollers to confine a container against lateral movement on said rollers.

1,983,053
GRAPPLING DEVICE
Ellis H. Spiegl, Salinas, Calif.
Application March 17, 1933, Serial No. 661,234
5 Claims. (Cl. 294—67)



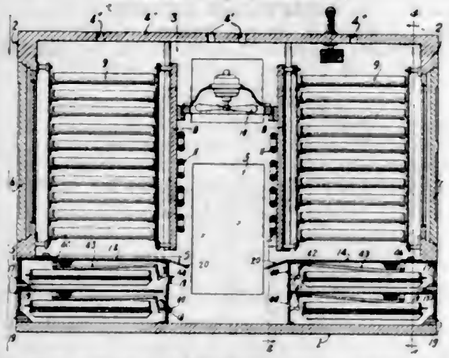
1. A grappling device for use in hoisting bodies, said device comprising a truss including a plurality of spaced, longitudinally-extending beams, a plurality of guides connected across said beams, a movable member spanning said guides, a pair of opposed body engaging elements slidably mounted in each of said guides, toggles connecting each pair of said elements to said movable member, and means for moving said member to actuate said toggles and to cause opposed elements of each of said pair of elements to engage opposite sides of a body to be lifted.

1,983,054
WINDOW OPERATING DEVICE
Arthur Straker, New York, N. Y.
Application August 29, 1932, Serial No. 630,793
1 Claim. (Cl. 292—265)



The combination with a double hung window having an upper and a lower sash; of a bar having notches in one side thereof adapted to engage the upper and lower surfaces of the cross member at the upper end of the lower sash with the bar resting against said member, said bar having a right angle extension at its upper end with a projection extending at right angles from the end of said extension, and said upper sash having a socket in the upper outer corner thereof adapted to removably hold said projection.

1,983,055
METHOD OF AND APPARATUS FOR HATCHING EGGS
La Verne C. Sturgis, Springfield, Ohio, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio, a corporation of Ohio
Application July 20, 1927, Serial No. 207,267
10 Claims. (Cl. 119—35)



1. The method of hatching eggs consisting in arranging eggs in different stages of incubation in a closed chamber, with the eggs in the stage of hatching arranged in a separate compartment in said chamber located beneath the eggs in the earlier stages of incubation, supplying warm air from a common source to all of said eggs, and circulating the warm air which is applied to the eggs in the earlier stage of incubation in an upward direction through said eggs by causing it to pass above and about the sides and outer ends of said hatching compartment.

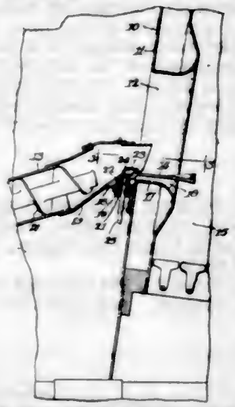
2. In an apparatus for hatching eggs, a main chamber, an upper compartment in said chamber for the eggs in the earlier stages of incubation open at the top and bottom, means for creating a circulation of air upwardly through said compartment, and a lower compartment for the eggs in the stage of hatching located below the open end of said first compartment and spaced therefrom, said lower compartment having air inlet and discharge openings, there being also provided air passage-ways leading from the lower portion of said main chamber about the sides and inner end of said lower hatching compartment and communicating with the lower open end of said upper compartment.

1,983,056
REFRIGERATOR
Henry F. Teichmann, Washington, Pa.
Application September 2, 1933, Serial No. 687,966
10 Claims. (Cl. 62—117)



1. A portable refrigerator having capacity for service in an automobile and additionally having capacity for a secondary condition of service, said refrigerator comprising a box including an insulated storage chamber, heat-energized refrigerating apparatus adapted to chill said chamber, said refrigerating apparatus includ ng a generator adapted to be heated for effecting refrigerating operation of said apparatus, means for removably establishing, when said refrigerator is installed in an automobile, thermal commun cation between said generator and the exhaust gases of the automobile, and means for rendering said generator adaptable to an alternative source of heat, to admit of said double capacity.

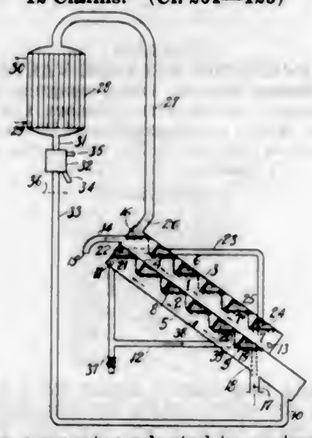
1,983,057
DISTRIBUTOR MEMBER
Edwin Archer Turner, New York, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Original application April 28, 1926, Serial No. 105,164. Divided and this application April 16, 1929, Serial No. 355,482
4 Claims. (Cl. 110—101)



2. A distributor plate arranged to permit fuel to pass thereover for distribution comprising a body portion having a flat upper surface, a single pair of ribs extending above said surface and curved forwardly and laterally, said ribs having their inner ends with respect to said plate spaced apart and merging in said plate and throughout gradually increasing in height toward their outer ends and terminating adjacent to the side edges

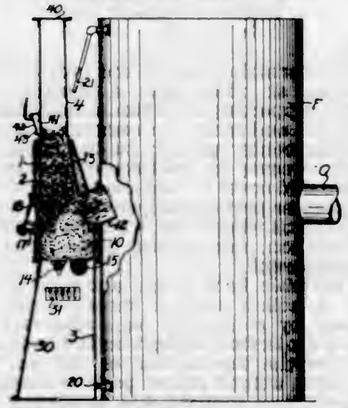
of said plate, that portion of the top face of said plate included between said ribs having an unobstructed flat surface, the plane of the tops of said ribs and the plane of the forward portion of the upper surface of said plate sloping in opposite directions from the plane of the rearward portion of the upper surface of said plate.

1,983,058
PROCESS AND APPARATUS FOR FRACTIONATION
Justin F. Wait, New York, N. Y.
Application June 18, 1930, Serial No. 461,941
12 Claims. (Cl. 261—123)



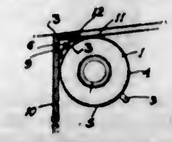
1. In an apparatus adapted to contact gaseous fluid with liquid fluid, the combination of a multiplicity of parallel passageways contained between approximately parallel plates, baffles projecting inwardly into said passageways from said plates and forming means for dispersing and agglomerating fluid flowed through said passageways, connections from one passageway to another adapted to cause like flow in two or more passageways and continued flow in other passageways, a containing drum adapted to withstand pressure and means for charging and discharging gaseous and liquid fluid from said passageways contained within said drum.

1,983,059
SOLID FUEL BURNER
Emil Zimmerman, Everett, Wash.
Application March 30, 1932, Serial No. 602,009
1 Claim. (Cl. 122—30)



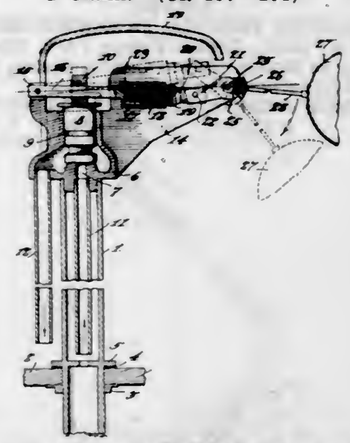
A burner for solid fuel comprising an upstanding chute terminating at its lower end in a combustion chamber, and having a side outlet for the products of combustion, a grate structure at the bottom of the chute and combustion chamber, a water jacket surrounding the chute and extending downward to include the combustion chamber, means for circulating water therethrough to maintain the fuel above the combustion chamber below distillation temperatures, a draft inlet beneath the grate, an auxiliary air inlet in the upper portion of the chute, and a door swung at the top of said auxiliary air inlet upon a horizontal axis, and weighted to normally swing shut, and swinging open under the influence of reduced pressure in the chute.

1,983,060
WATER JUG SUPPORT FOR MOTOR VEHICLES
Roscoe C. Zuckerman, Stockton, Calif.
Application July 24, 1933, Serial No. 681,912
3 Claims. (Cl. 248—20)



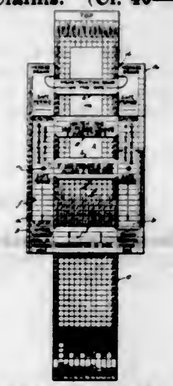
1. Means for mounting a jug in a corner between vertical walls and in suspended relation to the floor comprising a bracket plate secured to said walls and extending diagonally on edge across the corner, and means mounted on the jug for supporting engagement with said plate and arranged to cause the jug to be engaged at circumferentially spaced points with the walls.

1,983,061
QUICK ACTION FLOAT VALVE
Joseph G. Ambroz and Lawrence L. Fish, Chicago, Ill.
Application January 31, 1933, Serial No. 654,510
1 Claim. (Cl. 137—104)



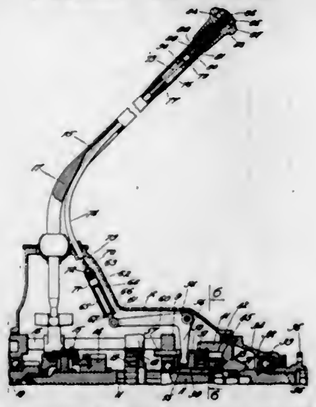
In combination, a valve and a housing therefor, a valve actuating rod, a ball float, a snap action connection between said rod and ball float comprising a housing on the end of said valve actuating arm, a second housing slidable in said first housing, a spring under compression in said housings, a fixed pivot on said housing, an arm pivoted on said fixed pivot having a pivotal connection with said second housing, an arcuate bearing surface on said pivoted arm having stop ears at its opposite ends, and a segment pivotally mounted on said fixed pivot having a cooperating bearing surface adjacent the bearing surface on said pivoted arm and being rigidly connected with said ball float.

1,983,062
MEDICAL ARTS STERILITY SLIDE RULE
Cyrus Walfred Anderson, Denver, Colo.
Application December 9, 1933, Serial No. 701,619
4 Claims. (Cl. 40—109)



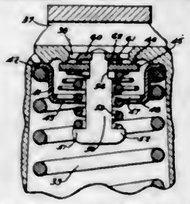
1. A medical slide rule for determining periods of fertility, sterility, ovulation and menstruation of a human female, which comprises a base having a transverse slot and a point of reference, a body having a plurality of transverse slots arranged in definite spaced relation, said body being engaged with said base and having longitudinal movement relative to it to provide a setting for a desired average menstrual cycle for the individual for which the rule is intended, and a date slide having engagement in the slots of said base and said body and movable therein to position the slide relative to the said base point of reference so that the dates of fertility, sterility, ovulation and menstruation are indicated in the rule.

1,983,063
MOTOR VEHICLE TRANSMISSION
Stuart G. Baits, Grosse Pointe Park, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1932, Serial No. 590,431
3 Claims. (Cl. 74—343)



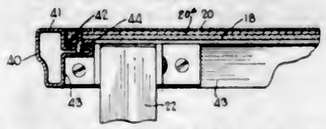
2. In a motor vehicle having variable speed transmission gearing including a transmission element shiftable into a position to effect the reverse drive, a free wheeling unit through which power is transmitted from said gearing to the vehicle, the combination therewith of manually operable means shiftable to either of two positions for adjusting said free wheeling unit whereby power is transmitted in one direction when said means is in one position and power is transmitted in both directions when said means is in the other position, said manually operable means including a resilient connection permitting independent adjustment of said free wheeling unit, means operated by said shiftable element when moved into reverse drive position for adjusting said free wheeling unit to transmit the power in both directions, and manually releasable means for locking said manually operable means in either of its said positions, said resilient connection acting to adjust said free wheeling unit to transmit power in one direction when said shiftable element is moved out of its reverse drive position.

1,983,064
PRESSURE RELEASE VALVE
Ralph I. Bates, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 13, 1932, Serial No. 622,187
7 Claims. (Cl. 277—45)



2. A fluid flow control device for a port comprising, a disc-valve having an irregularly shaped opening, said valve being punched from flat, sheet metal; a stem punched from flat, sheet metal, having a portion extending through said opening in the disc-valve, the cross-section of said portion being substantially rectangular in shape; a button valve punched from flat, sheet metal, attached to the stem, a spring urging the disc-valve to close the port; and a spring engaging the stem to urge the button valve upon the disc-valve to close the opening therein.

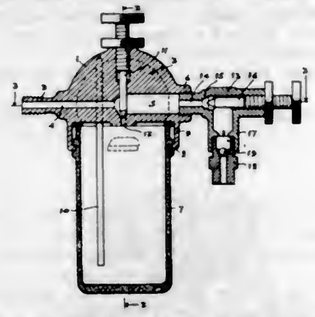
1,983,065
TABLE CONSTRUCTION
Warren S. Bellows, Shaker Heights, Ohio
Application October 20, 1932, Serial No. 638,695
5 Claims. (Cl. 311—108)



1. In a portable table of the type described, a rim having an offset edge, a plurality of foldable legs supporting said rim, a detachable center portion, and means to removably secure said detachable center portion to the offset edge of said rim, a cover for said center portion, means to secure said cover to said center portion whereby said center portion and cover may be removed as an integral whole, and a second cover on said center portion, said second cover being flexible and transparent.

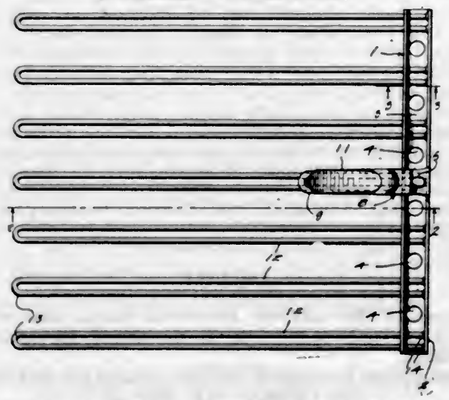
4. A portable, light weight and rigid game table having a hollow tubular metallic rim portion supported by collapsible legs, said rim portion having a projecting support on the inside thereof and below the top surface of the rim portion, and a light weight center portion supported by said projecting support, the projecting support and center portion being of such position and thickness that the center portion is substantially flush with the top of the rim portion, the rim portion being adapted to receive the legs of the table in folded position substantially within its lower edge, and means to secure said center portion to said projecting support, said center portion being of slightly smaller dimensions than the opening in the rim so that the center portion may be covered and the cover be secured over the edges of the center portion.

1,983,066
VALVE LUBRICATING DEVICE FOR COMBUSTION ENGINES
William A. Black, Toronto, Ontario, Canada
Application November 13, 1933, Serial No. 697,713
In Canada December 22, 1932
4 Claims. (Cl. 123—196)



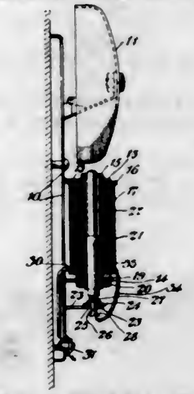
1. A combined lubricator and humidifier for internal combustion engines, comprising in combination, means for containing a supply body of lubricating oil, means releasing a flow of air into the body of lubricating oil to absorb therefrom a vapour charge, a valve controlled passage conducting oil-charged vapour from said supply to the intake manifold of the engine, and a valve controlled means introducing a regulated quantity of humidified air into said passage to further vaporize and humidify the said oil charged vapour.

1,983,067
EGG FORK
James Clair Butner, Petaluma, Calif.
Application April 24, 1934, Serial No. 722,210
3 Claims. (Cl. 294—26)



1. An egg fork, comprising a bar of channel formation, a plurality of tines extending from one side of the bar and each at one end passing through one flange of the channel bar and having connection with the other flange, an arm secured to said channel bar and extending upwardly therefrom, an angle bracket having two portions one of which is secured to said arm to extend vertically while the other portion extends horizontally over the tines, and a hand grip mounted upon the said other portion of the angle bracket.

1,983,068
ELECTRIC BELL
Eugene Cardone, Brooklyn, N. Y.
Application February 20, 1933, Serial No. 657,542
7 Claims. (Cl. 177—7)



5. In an electric bell of the plunger type, the improvement, comprising a solenoid, a core slidable in the solenoid, a member in alignment with said core and magnetizable thereby when the core is energized, and current breaking means in contact with the member for stopping the further movement of said member upon energization of said solenoid, and breaking the contact with the core after said member is carried a limited distance by said core.

1,983,069
GOLF CLUB
Robert H. Cowdery, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application August 27, 1930, Serial No. 478,091
7 Claims. (Cl. 273—80)



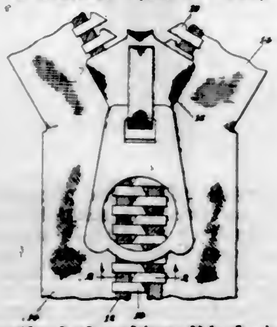
1. A golf club comprising a head having a hosel with a longitudinally extending shaft recess therein, an adapter of non-metallic, vibration absorbing material having an axial bore, projected partially within said recess, a shaft having a reduced end in snug fitting engagement within the adapter bore, a check ring telescoped

over the externally disposed end of the adapter, formed with relatively longitudinally disposed tubular and flange portions, the flange portion being of larger diameter than the tubular portion, said tubular portion having an outer tapered surface, and a tapered metallic sleeve having an end portion of approximately cylindrical form snugly fitted over the outer surface of said shaft, and being progressively enlarged proceeding from said portion towards its other end, said other sleeve end telescoped over the tubular portion of said check ring.

1,983,070
SLIDE FASTENER AND METHOD OF MAKING SAME

Leonard Cox, Birmingham, England, assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application April 21, 1933, Serial No. 667,250
In Great Britain August 15, 1932
4 Claims. (Cl. 29—148)

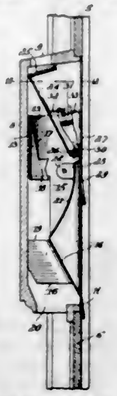


2. The method of making slide fasteners of the type having a plurality of interlocking elements secured to a flexible carrier, which consists in forming from metal containing a predominant proportion of aluminum a strip containing a plurality of interlocking elements integrally joined together, electrolytically treating the strip to form a non-pulverulent oxide coating, severing the strip into individual interlocking elements each coated with aluminum oxide, and applying the elements to the carrier.

1,983,071
MAIL CHUTE

Joseph Warren Cutler, Rochester, N. Y., assignor to Cutler Mail Chute Co., Rochester, N. Y., a corporation of New York

Application October 13, 1932, Serial No. 637,606
3 Claims. (Cl. 232—45)

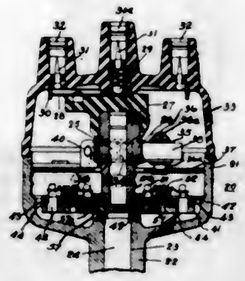


1. The combination with a mail chute having a mail receiving aperture leading to the interior of the chute and opening upwardly, of a closure for the aperture pivoted within the chute on a horizontal axis lying below the aperture, said closure having an open position in rear of the aperture and a closed position in which the sealing portion thereof lies forwardly across the center of such axis, and a cam mechanism within the chute for actuating the closure between such positions embodying a cam on the closure and a fixed cam on the chute and an operating lever cooperating with both cams.

1,983,072
IGNITION APPARATUS

Charles H. Davis, Jr., deceased, late of Anderson, Ind., by John T. Fitzsimmons, administrator, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 14, 1932, Serial No. 622,471
16 Claims. (Cl. 64—90.5)



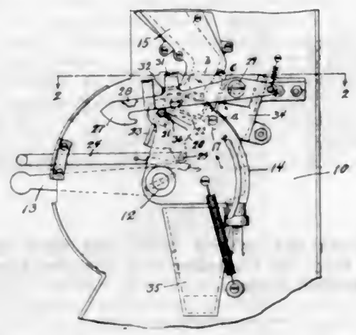
1. A speed responsive device comprising in combination; a drive shaft; a driven shaft; a plate having spaced apertures of different dimensions arranged in a non-diametrical relation with respect to each other, said plate adapted to be attached to said drive shaft with either face up dependent on the direction of rotation of said drive shaft; a lever arm adapted to be mounted with either face upon said driven shaft; a pivot post adapted to be carried on either face of said plate; a weight member having a finger, said weight adapted to be rotatably supported on said post with either face adjacent said plate whereby said finger may engage an edge of said arm to angularly adjust said driven shaft from a normal position; and means extending into either of said apertures in said plate and cooperating with said plate to limit the angular movement of said driven shaft in either direction from normal position with respect to said drive shaft.

1,983,073
COIN CONTROLLED MECHANISM

Francis C. Du Grenier, Haverhill, Mass., assignor of one-half to Blanche E. Bouchard, Haverhill, Mass.

Application November 24, 1931, Serial No. 577,044
12 Claims. (Cl. 194—1)

10. In a normally locked coin-controlled dispensing mechanism having a coin-restoring passage, a normally stationary coin receiver to which a coin is normally delivered, dispensing means having means arranged to be operated thereby to move the coin from said receiver to unlock said mechanism and to deliver the coin to a position in which it will be retained, and manually operated means, independent of said dispensing



means, for delivering the coin from said receiver to said restoring passage.

1,983,074
METHOD OF MAKING GOLF CLUB SHAFTS

George B. Durell, Cleveland, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application June 11, 1931, Serial No. 543,578
14 Claims. (Cl. 29—156)



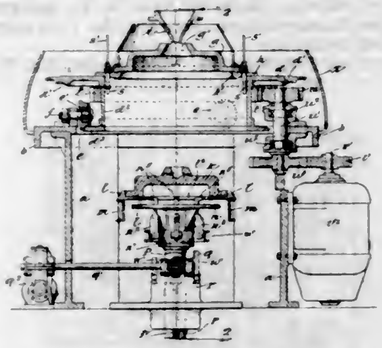
1. The method of making a golf club shaft, which includes forming a tube, then forming in the wall of the tube a plurality of circumferentially spaced, outwardly flaring recesses, then operating upon the outer surface of the tube on portions intermediate of the recesses to concurrently close up the sides of the recesses to dispose them mutually adjacent but out of mutual contact and to form inwardly projecting, longitudinally extending ribs coextensive with the recesses.

1,983,075
CENTRIFUGAL CASTING MACHINE

William A. Geisler, Newark, N. J., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del., a corporation of Delaware

Application June 2, 1931, Serial No. 541,604
8 Claims. (Cl. 22—65)

1. A casting machine comprising a vertical axis rotatable mould, a rotatable bottom plate therefor, means to rotate the mould and plate, power means to raise and lower the plate, and

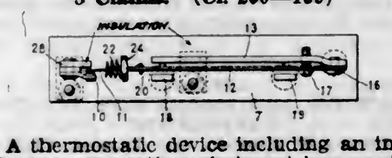


means co-operating with said power means to disengage the plate from the power means.

1,983,076
THERMOSTATIC SWITCH

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application December 9, 1933, Serial No. 701,714
5 Claims. (Cl. 200—139)

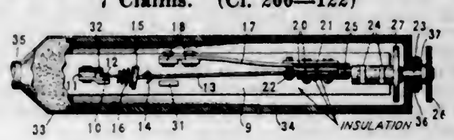


1. A thermostatic device including an insulating base, a supporting abutment bar carried by the base, a bi-metallic arm secured at one end to said bar and movable at the other end toward and from said bar, said bar serving to limit the warping movement of said arm in one direction, a stop limiting the movement of said arm away from said bar, a stationary contact and a spring pressed switch member hinged to the movable end of said arm and adapted to engage said stationary contact.

1,983,077
ADJUSTABLE THERMOSTATIC SWITCH

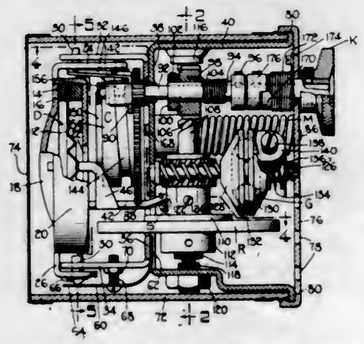
Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application January 6, 1934, Serial No. 705,491
7 Claims. (Cl. 200—122)



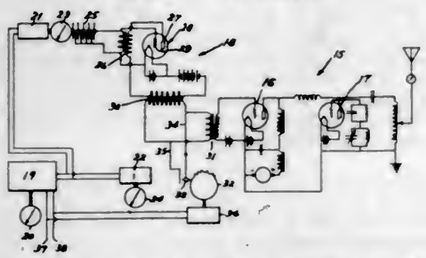
1. A thermostatic switch including a bendable arm supported at one end and free at the other end, a bi-metallic strip having one end secured to and movable with the free end of said arm, a switch contact carried by the opposite end of said strip, means for adjusting the position of the strip with respect to the arm to vary the action of the strip with respect to the arm, and means for adjusting the free end of said arm and the attached end of said strip to vary the moment of action of the switch.

1,983,078
MINIATURE PHONOGRAPH
Leo J. Grubman, Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J., a corporation of Delaware
Application February 19, 1934, Serial No. 711,882
20 Claims. (Cl. 274—1)



1. A miniature phonograph comprising a record, a sound box disposed near the record, a stylus arm projecting from the sound box toward and over the sound grooves on the record, and trunnions projecting transversely of the sound box at opposite edges for pivoting said sound box for feed of the stylus over the record, said sound box being reciprocable on said trunnions for engagement and disengagement of the stylus and record.

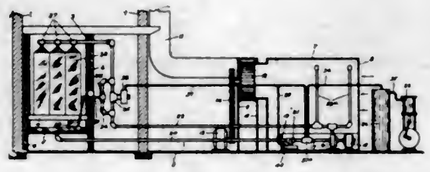
1,983,079
METHOD AND MEANS FOR USE IN NAVIGATION
Edmund H. Hansen, Los Angeles, Calif.
Application July 6, 1931, Serial No. 548,738
10 Claims. (Cl. 250—11)



1. For use in navigation, an apparatus embodying: a radio wave transmitter adapted to be mounted upon a moving object and transmit radio waves of a fixed frequency; means for modulating said radio waves to indicate the course of the moving object, said means including a compass controlled condenser adapted to control an oscillating circuit arranged to impress predetermined audio frequencies upon said radio waves differing in frequency in every increment of direction of the compass.

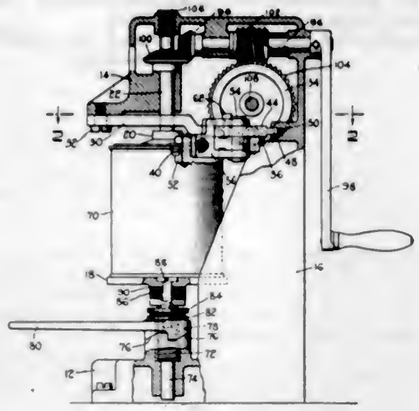
1,983,080
USE OF ICE IN CONNECTION WITH AIR CONDITIONING
Lewis D. Harnett, Columbus, Ohio
Application February 29, 1932, Serial No. 595,831
10 Claims. (Cl. 62—6)

1. In an air conditioning apparatus in combination with a spray chamber, a water tank, means to take water from the tank and deliver it in sprays into the chamber, a second tank, and means operated by the temperature of the water taken from the first tank to cause water to be



taken from the second tank and part thereof sprayed into the chamber and the rest returned to the second tank.

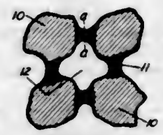
1,983,081
HOME SEAMING MACHINE
Arthur G. Hopkins, Maspeth, N. Y., assignor to Metal Package Corporation, New York, N. Y., a corporation of Delaware
Application November 26, 1932, Serial No. 644,466
17 Claims. (Cl. 113—23)



1. A seaming machine comprising can supporting and rotating mechanism, a seaming roller plate, means at one end of said plate pivotally mounting the same, means at the opposite end of the plate for operating the same, and a seaming roller intermediate the ends of the plate, whereby the seaming roller is moved with substantial mechanical advantage.

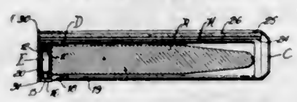
17. A portable seaming machine comprising a base, an elevated chuck, means for rotating the chuck, said base including an upright guide passage, an annular face cam surrounding said passage, a lifter cam mating with said face cam and fixedly connected to an outwardly projecting manually oscillatable lever for oscillating the lifter cam about a vertical axis, a relatively long threaded stud freely reciprocable through and removable from said passage and mating cams, a can supporting table resiliently mounted at the upper end of said stud and beneath said chuck, and adjusting means for regulating the height of the can table both for can size and holding pressure, said means including lock nuts threaded on said stud and resting upon the lifter cam for taking the lifting pressure thereof and transferring the same to the stud and can table.

1,983,082
ARTICLE OF BONDED GRANULAR MATERIAL AND METHOD OF MAKING THE SAME
Wallace L. Howe, West Boylston, and Richard H. Martin, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 19, 1930, Serial No. 462,288
5 Claims. (Cl. 51—278)



1. The method of making an abrasive article by molding a mixture of abrasive grains and a raw bond and then maturing the bond, which comprises, in addition to selecting the required size and kind of abrasive grains and the type of bond to be used, measuring out accurately the quantities of the grains and of the raw bond, taking into account the shrinkages involved in drying and maturing the bond of the molded article, which will respectively occupy predetermined volumes in the final product after the bond has been matured, forming a coherable intimate mixture of said grains and bond, placing in an accurately dimensioned mold all of said precalculated quantity of grains and bond and causing the mixture to occupy, prior to maturing the bond, that volume which has been precalculated to be such that, after the bond has been matured, the abrasive grains, the bond and the pores will each constitute predetermined volume percentages of the article and the abrasive characteristics of the article will be determined solely by the precalculated volume percentages of abrasive, bond and pores and the types of the bond and abrasive.

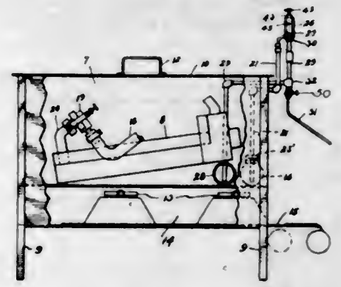
1,983,083
LIP STICK CONTAINER
Ellison S. Irelan, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application February 21, 1934, Serial No. 712,371
9 Claims. (Cl. 206—56)



1. An article container comprising an elongated case open at one end, an article holder slidable into and out of the case through its open end, a cap slidably fitted within the holder in fast connection with an article therein, an actuating slide in connection with the cap, and means with which the slide is in resilient engagement for securing the cap and article in various positions of adjustment longitudinally of the holder, said actuating slide having means cooperating with the open end of said case for retracting the cap within the holder.

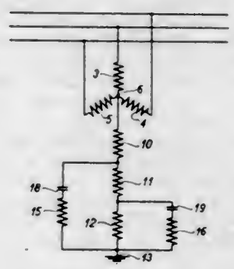
1,983,084
RADIATOR CLEANING APPARATUS
Bernard Janus, Sarnia, Ontario, Canada
Application October 19, 1933, Serial No. 694,271
3 Claims. (Cl. 141—1)

1. A cleaning apparatus of the class described comprising a solvent tank, a cylinder therein for containing a charge of solvent, a conduit having an opening below the top of said cylinder and exteriorly extending from the cylinder for connection to a radiator duct, there being an inlet opening for the solvent in the top portion of said cylinder, said inlet having an internal valve seat, an air line extending into the cylinder and terminating in an upright nipple beneath the said valve seat, said air line having an opening within



the cylinder and in advance of the nipple, a valve for engaging said valve seat and having a tubular extension loosely fitting over the nipple to close it, said valve being supported on the nipple in its open position and being free to rise under the influence of air pressure therein, and means for supplying the air line with compressed air.

1,983,085
GROUNDING PROTECTION SYSTEM FOR HIGH VOLTAGE SYSTEMS
Julius Jonas, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland, a joint-stock company of Switzerland
Application November 5, 1929, Serial No. 404,972
In Germany November 8, 1928
7 Claims. (Cl. 171—97)



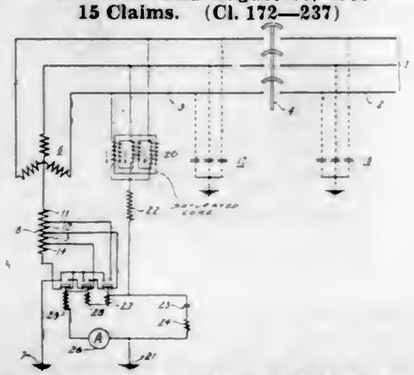
7. In a protective system, the combination of, a multi-conductor alternating current transmission line having capacitive reactance and a neutral point, an inductive reactance connected between said neutral point and ground for neutralizing the capacitive reactance of said line relative to one frequency when a ground fault occurs on one of said conductors, a plurality of other inductive reactances connected between said neutral point and ground and forming paths for the flow of ground fault currents in said line independently of the path formed by the first said inductive reactance, the said plurality of inductive reactances being so dimensioned as to neutralize the capacitive reactance of said line relative to harmonics of said frequency during the flow of ground fault current, and means for blocking the flow of ground fault currents of certain frequencies through said other inductive reactances.

1,983,086

ELECTRIC TRANSMISSION LINE PROTECTIVE SYSTEM

Julius Jonas, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application August 24, 1931, Serial No. 559,015
In Switzerland August 26, 1930
15 Claims. (Cl. 172—237)



1. In a system for protecting electric transmission lines and the like from the effects of ground fault connections, a transmission line, a source of electric current connected with said line and having a neutral point, an inductance connected with the neutral point of said source and ground, means connected with said line and ground operable to convert current supplied from said source into current of harmonic frequency relative to the fundamental frequency of said source of current, and means supplied by the said current of harmonic frequency operable to vary the amount of said inductance in circuit in dependence upon the capacitance of said line to ground.

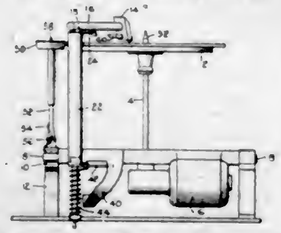
10. In a system for indicating the lengths of electric transmission lines and the like, a transmission line, a plurality of windings arranged about a highly saturated core connected with said line and having a neutral point, a source of alternating current connected with said line and supplying said windings to produce in the latter current having a harmonic frequency of $3n$ (n being any whole number) times the fundamental frequency of said source, and an instrument connecting said neutral point with ground operable responsive to flow of said current of harmonic frequency in said line to indicate the length of the latter as determined by the capacitance thereof to ground.

1,983,087

PHONOGRAPH

Lester L. Jones, Oradell, N. J.

Application February 19, 1929, Serial No. 341,076
7 Claims. (Cl. 274—10)



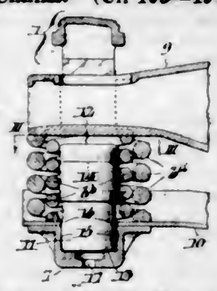
7. An automatic phonograph comprising a horizontally and slightly vertically reciprocable reproducer, a record turntable, means permitting oscillation of the table about a horizontal shaft, a cam and cam follower arranged to move the reproducer outwardly in response to a downward movement of the table, means yieldably urging the reproducer inwardly when the table is moved upwardly, a roller riding on the periphery of a record carried by the table and having a stop for arresting inward motion of the reproducer at a point just inside the periphery of the record, regardless of its diameter, said stop being so arranged that a slight upward motion of the reproducer caused by the record coming into contact therewith releases the reproducer and permits it to move into the sound grooves on the record.

1,983,088

RAILWAY CAR TRUCK

William F. Kiesel, Jr., Hollidaysburg, Pa.

Application December 17, 1932, Serial No. 647,748
8 Claims. (Cl. 105—197)



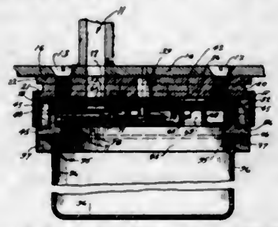
1. In a railway car truck, the combination of a side frame, having a depression in the seat portion thereof, said depression extending downward through and below the upper web of the seat portion, a load carrying member, resilient means for supporting the load carrying member on the seat portion of said side frame, and a shock absorbing device disposed vertically for travel between said load carrying member and the base of said depression, said shock absorbing device being of a greater solid height than that of said resilient means.

1,983,089

SAFETY RECEPTACLE FOR CHECKS, COINS, AND THE LIKE

Aaron A. Knee, Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C., a corporation of North Carolina

Application April 29, 1931, Serial No. 533,746
10 Claims. (Cl. 232—15)



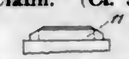
10. A container having an opening provided with a closure, means for locking the closure on the container to close the opening, a member mounted in the closure and movable with relation to the closure, a perforable seal mounted on the member for guarding the locking means against release except by a suitable tool perforating the seal to release said locking means.

1,983,090

MACHINE FOR UNIVERSALLY MILLING, GRINDING, AND DRILLING WORKPIECES OF ALL KINDS

Reinhard Kölsch, Pforzheim, Germany

Application May 13, 1933, Serial No. 670,939
In Germany April 7, 1932
1 Claim. (Cl. 90—17)



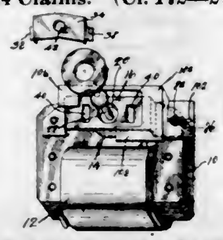
A machine for cutting workpieces, comprising in combination a rotatable main axle, a cross-slide mounted on said axle, a clamping device pivotally and fixably mounted on the head end of said cross slide and adapted to always centrally clamp the workpiece to enable the workpiece to be adjusted both eccentrically to said main axle and at any desired angle to the axis of said cross slide, a second cross slide, a carriage of said second slide, and a tool spindle pivotally mounted on said second cross slide in a plane at right angles to said first cross slide independently of the mutually oscillation of said carriage.

1,983,091

ELECTRODYNAMIC MACHINE

Everett P. Larsh, Vandalia, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application February 6, 1932, Serial No. 591,401
14 Claims. (Cl. 172—278)



10. In an induction motor having a stator of the core type provided with shading rings, and a squirrel cage rotor, a speed control mechanism including an adjustable bridge extending from pole piece to pole piece and spanning at least one shading coil so that as the bridge is adjusted the performance of the motor is altered.

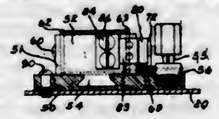
11. A stator lamina for an induction motor of the shading ring type comprising a symmetrical plate having therein an opening for a field coil and an opening for a rotor and having multiple seats to receive shading rings, the longitudinal axis of said seats being offset with respect to the axis of the rotor, said openings and seats being symmetrical in shape and disposition in the plate whereby the outline, openings and seats of two such plates will register in alternate positions of reversal.

1,983,092

ELECTRIC CLOCK

Warren P. Loudon, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 9, 1928, Serial No. 311,318
7 Claims. (Cl. 175—336)



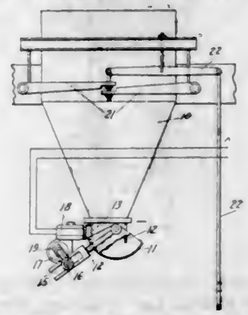
1. An electromagnetic unit comprising in combination, a magnet frame having dovetailed lugs at one side thereof, a nonconducting base having portions surrounding said lugs, said lugs having an end embedded in the base for providing a non-separable relation between said base and frame.

1,983,093

AUTOMATIC MEASURING MECHANISM

James M. Montgomery, Piqua, Ohio

Application April 28, 1934, Serial No. 722,914
34 Claims. (Cl. 221—118)



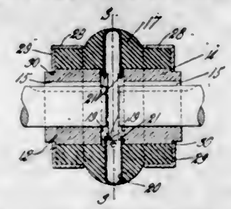
4. In an apparatus of the character described, a material delivering device, power operated means to cause the delivery of material by said delivering device, a movable member, means controlled by said movable member to control said power operated means, means to actuate said movable member in accordance with the quantity of material delivered to said delivering device, and separately operated means to control the movement of said movable member by said actuating means.

1,983,094

FLEXIBLE COUPLING

George J. Neher, Buffalo, N. Y.

Application March 15, 1934, Serial No. 715,675
4 Claims. (Cl. 64—96)



1. A flexible coupling for connecting the ends of two shafts, including metallic annular sleeves rigidly secured to the adjacent ends of the shafts and spaced apart, said sleeves having projections formed thereon, a connecting member having parts adapted to engage said projections to form a driving connection between said sleeves, and a body portion of flexible material secured to the outer surfaces of said sleeves and said connecting member and constituting the sole means for supporting said connecting member in its operative position.

1,983,095

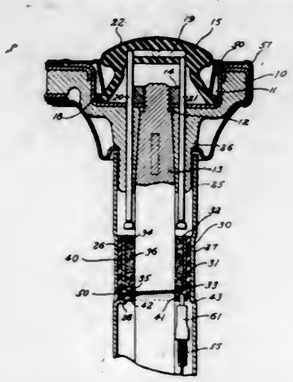
CONTACT ASSEMBLY

Leslie O. Parker, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 20, 1929, Serial No. 393,891
7 Claims. (Cl. 200—59)

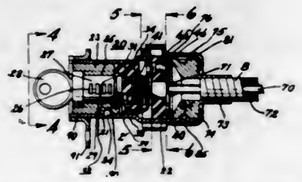
1. In an electric contact device for steering columns, a fixed tubular column, an inner rotatable steering post, an annular insulating sleeve between said column and post, said sleeve

providing an inwardly directed flange engaging said post, a resilient annular contact member supported on said flange and encircling said post, a grounded reciprocating contact member guided



to contact with said annular sleeve, means carried by said sleeve for bridging the connection between the contact members, and a button for reciprocating the contact member.

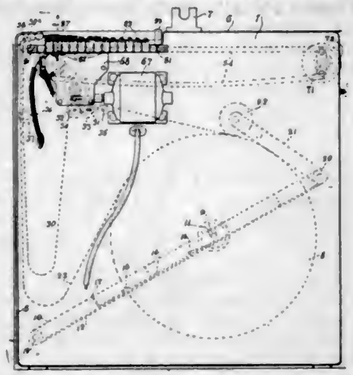
1,983,096
SWITCH DEVICE
Leslie O. Parker, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 31, 1933, Serial No. 682,934
6 Claims. (Cl. 200—42)



1. A lock switch comprising, in combination, a tubular case provided with longitudinal notches extending from one end, a stationary contact support located within the case and having projections extending through said notches, contact rivets extending through said support and providing contact faces on one side thereof, terminal members connected with said rivets and extending adjacent the other side of the contact support to the outside of the case, a movable contact cooperating with the contact faces of said rivets, a lock for operating the movable contact and for closing the end of the case, and means for electrically connecting one of the terminals to and within the case, and said means also closing the other end of the case and for securing the contact support in position.

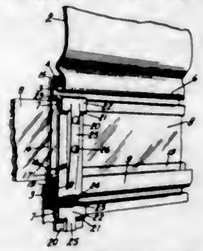
1,983,097
MANIFOLDING DEVICE FOR TYPEWRITERS
Frank E. Pfeiffer and William C. Pfeiffer, Dayton, Ohio, assignors to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application February 19, 1930, Serial No. 429,584
21 Claims. (Cl. 271—2.1)

1. In combination in a means for unrolling a roll having a plurality of strips, a pair of pulling rolls for one of said strips, means to cause said rolls to turn together with said strip therebetween, and means for guiding said strip to one



side and over one roll on its way between said pulling rolls.

1,983,098
CLOSURE
Milton A. Pixley, Columbus, Ohio
Application November 6, 1931, Serial No. 573,331
8 Claims. (Cl. 189—56)

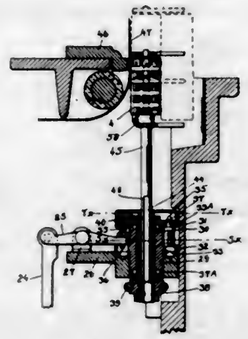


1. A flexible closure member adjustable between a position in covering relation to an opening and a position where the opening is substantially exposed, said flexible closure member comprising a plurality of cooperating, interlocking sections and including a built-up section, said built-up section comprising a frame formed of a plurality of separable parts and embodying a plurality of members extending across the entire width of the closure, said members having edges of hook formation adapted to interlock with cooperating portions on the edges of adjacent sections, and means for connecting said members together.

1,983,099
KEYBOARD MECHANISM
Charles H. Sampson, Rochester, N. Y., assignor to Sampson Permagraph Co. Inc., Rochester, N. Y., a corporation of New York
Original application January 18, 1929, Serial No. 333,300. Divided and this application August 18, 1931, Serial No. 557,937
5 Claims. (Cl. 197—49)

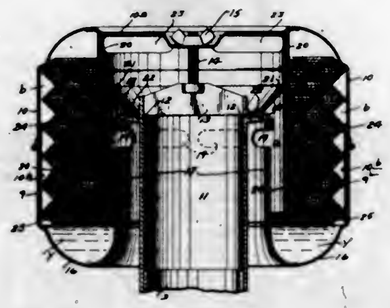
5. In a type selecting mechanism for printing machines, the combination of a rotary type carrier, types circumferentially arranged and longitudinally spaced in series on said carrier, means for constantly rotating said carrier, intermittently operating means for moving said carrier longitudinally, stop means for the rotary motion of said type carrier to hold one of the circumferentially spaced types in a predetermined angular position, a carriage for said type carrier, a series of stop means adapted to engage

said carriage and cooperating with said longitudinal moving means for locating said type carrier longitudinally and single key operated



joint control means for simultaneously controlling both of said stop means to locate one of the series of types of the type carrier in a predetermined position.

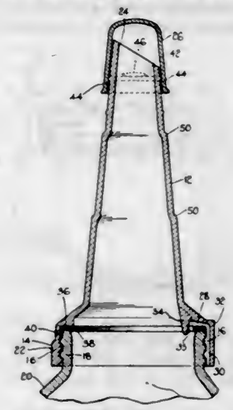
1,983,100
AIR CLEANER
William H. Schulz, Minneapolis, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Minnesota
Application June 13, 1932, Serial No. 616,860
1 Claim. (Cl. 183—69)



In an air cleaner having an oil well, a cylindrical oil distributing dust intercepting screen having an axial passage therethrough and being made up of a plurality of annularly corrugated annular screen elements, said annular screen elements being stacked together in alternately reversed relation with the apexes of their corrugations in contact and their inclined surfaces in oblique alignment.

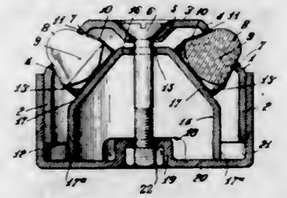
1,983,101
OIL BOTTLE SPOUT
George K. Scribner, Boonton, N. J., assignor to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Application April 17, 1933, Serial No. 666,416
10 Claims. (Cl. 221—28)

1. A unitary spout generally in the form of an inverted funnel and comprising an upwardly tapering body portion and an outwardly flared base portion, said base portion being internally threaded, and including an outwardly and then



downwardly extending channel or groove deeper than the threads, and acting as an air vent.

1,983,102
ROAD MARKER
William H. Searight, Toledo, Ohio, assignor to The Libbey Cataphote Corporation, Toledo, Ohio, a corporation of Ohio
Application February 13, 1933, Serial No. 656,486
11 Claims. (Cl. 88—1)

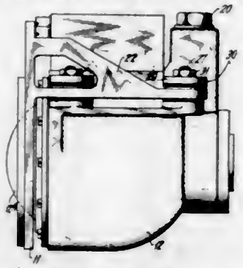


1. A road marker comprising a casing having oblique end surfaces formed with openings, autocollimator units projecting through said openings, a supporting member fitting within said casing and having oblique end surfaces abutting against the bases of said autocollimator units, a base member adapted to be embedded in a roadway and adapted to fit around said casing and supporting member and means for removably securing said supporting member against the bases of said autocollimator units.

1,983,103
MAGNETIC COMPASS
Clarence Lee Seward, Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Continuation of application Serial No. 466,994, July 10, 1930. This application January 10, 1933, Serial No. 651,034
15 Claims. (Cl. 248—30)

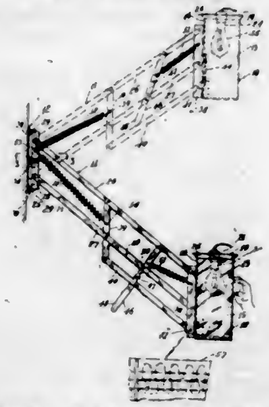
11. In apparatus of the class described, a normally horizontal support having a plurality of openings, an instrument carried by said support and having centering pins extending through said openings, and means for preventing transmission of vibrations horizontally from the support to the instrument, said means comprising a metal collar tightly fitted in each opening and projecting on either side thereof to provide bearing surfaces on both sides of the support, a plurality of metal washers, at least one disposed on each side of the collar coincident there-

with and providing bearing surfaces cooperating with the surfaces of the collar for reducing friction therebetween to permit and facilitate relative sliding movement in a horizontal plane



between said support and said instrument, and a spring for each pin for opposing said sliding movement and disposed within the collar in the associated opening in the support.

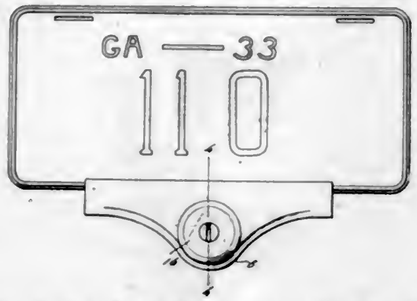
1,983,104
EGG CANDLING DEVICE
George H. Siegal, Pittsburgh, Pa.
Application July 7, 1933, Serial No. 679,361
3 Claims. (Cl. 99—6)



1. In a device of the character described, comprising a box, supported from a wall-plate having a vertically disposed swinging-plate, a pair of parallelly disposed swinging-arms mounted for up, down or side movement pivotally connected to said box and swinging arms, said box adapted to support a lamp projecting into the same and provided at the front-wall with a test-hole, cam operated means for retaining the device in a forward or lateral position and spring means for retaining the device in an up or down position, said cam means comprising a horizontally disposed elongated flat spring adapted to be securely fastened at both ends to said wall-plate and adapted to be in cooperation with a pair of oppositely directed, horizontally disposed and cam-shaped angle-pieces securely mounted to said swinging plate.

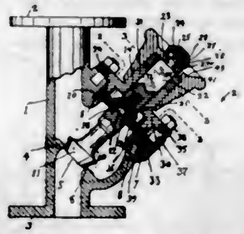
1,983,105
MOTOR VEHICLE LICENSE PLATE LOCK
Robert W. Stewart, Apalachicola, Fla.
Application June 26, 1934, Serial No. 732,496
1 Claim. (Cl. 40—125)

A license plate holder of the class described comprising a fixed oblong block member, a removable complementary oblong block member, the inner faces of the block members having interfitting ribs and grooves, one of the ribs and the complemental groove being adapted to receive the beaded bottom edge or upper edge of a license tag, a bolt extending through an opening in the removable block and threadedly en-



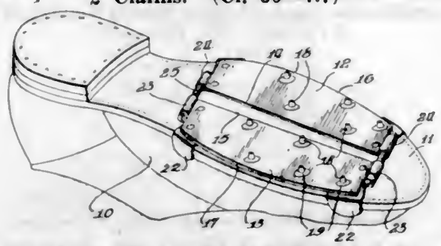
gaged in the fixed block, said removable block being provided with a recess in which the head of the bolt will be located when the parts are secured together, and a plug lock for disposition into the recess to close the same and prevent unauthorized access to the head of the bolt.

1,983,106
PACKLESS VALVE
Clarence M. Sundstrom, Montpelier, Ind.
Application April 1, 1933, Serial No. 663,989
2 Claims. (Cl. 251—31)



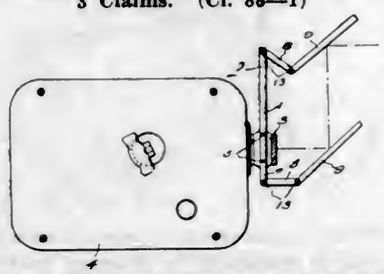
1. In a valve structure of the kind described, a valve mechanism comprising a valve member having a coned head and provided with a central stud at whose base is an annular shoulder which in cross section is beveled at an incline upwardly from the axial center thereof, and the said stud having a threaded stem, a flexible impermeable disk with central perforation to engage said stud, the portions of said disk immediately at said perforation, and at the periphery of said disk, having opposed outwardly beveled lips, a grip ring loose on said stem and whose lower face in cross section is beveled downwardly from the axial center of said stem, an extension member square in cross section and provided with a central bore in which the threaded stem is received, and there being a pintle at its outer end, a head piece having an externally threaded central boss provided with a broached central opening in which the said extension member is received, and having a lower circular portion having an annular shoulder with lower face beveled in cross section downwardly toward the axial center of the valve member for engaging the periphery of the disk, and a hand wheel having a transverse portion, and a hollow hub portion the latter being internally threaded to engage the boss of said head piece, there being a central aperture in said transverse portion to receive the pintle of said extension member, and means to retain the extension member in engagement with said wheel, substantially as shown and described.

1,983,107
DIVIDED CALKED SOLE
Raymond W. Todd, Grays Lake, Ill.
Application April 24, 1933, Serial No. 667,657
2 Claims. (Cl. 36—7.7)



1. In a device of the class described, a pair of flexible calked sole sections disposed side by side and spaced apart, plates fixedly attached to the ends of said sole sections, shoe engaging clamps formed integral with said plates, a screw receiving portion on each of said plates, one of said screw receiving portions at each end of the device being threaded and the other unthreaded, and a screw extending freely through each one of the unthreaded screw receiving portions and having threaded engagement with the opposed threaded screw receiving portion, said screws serving pivotally to connect said sole sections at their ends and draw them edgewise toward each other to effect their attachment to a shoe, substantially as described.

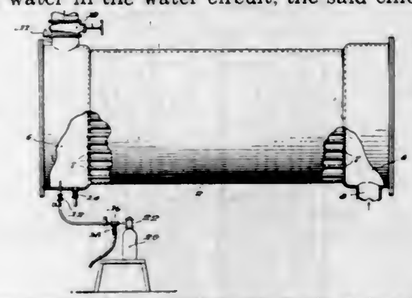
1,983,108
REFLECTING DEVICE
Hans Peter Verdich, Aberdeen, S. Dak.
Application February 21, 1934, Serial No. 712,413
3 Claims. (Cl. 88—1)



1. In combination with a camera, a device comprising a supporting base, means for engaging the base on the camera, pairs of links pivotally connected to the supporting base for swinging adjustment, one pair above the lens of the camera and one below, and coacting mirrors pivotally connected for swinging adjustment between the pairs of links, one of said mirrors being substantially concaved, the other of said mirrors being substantially flat.

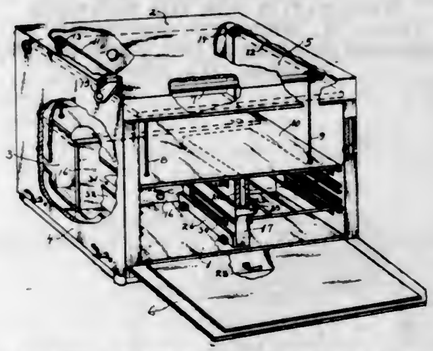
1,983,109
METHOD OF REMOVING SLIMY GROWTH ACCUMULATIONS FROM WATER-CONTACT SURFACES
James P. Warren and Charles H. Beensen, Dania, Fla., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application March 2, 1931, Serial No. 519,633
3 Claims. (Cl. 87—5)

1. The method of removing substantial accumulations of organic growths adhering to the water contact surfaces of a condenser sufficiently firmly to resist displacement and removal under the action of water normally flowing through the apparatus which comprises substantially filling the water circuit of the apparatus with water, adding chlorine to said water in an amount to produce an initial chlorine concentration of approximately fifteen to forty parts per million while retaining said water in the water circuit, the said chlorine



concentration being sufficiently high as to attack the substantial growths and loosen them from the surfaces to which they are attached, permitting said chlorine to remain in the apparatus for such a period of time as will effect the loosening of the substantial growths without causing corrosion of the surfaces and thereafter removing the loosened growths by flushing the apparatus with water.

1,983,110
OVEN
Jane Elizabeth Warrick, Tampa, Fla.
Application June 9, 1931, Serial No. 543,039
6 Claims. (Cl. 126—273)

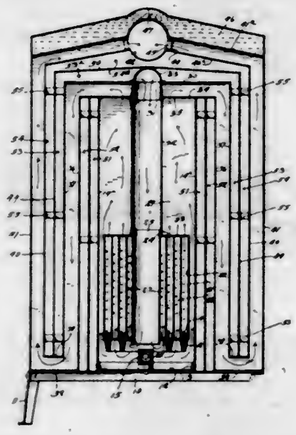


1. An oven having a heating means and a substantially horizontal partition adjustable from an upper position in which the entire oven may be heated, to a lower position in which it confines the heat from the heating means to the lower portion of the oven, and a second partition hinged to the lower surface of the horizontal partition and movable to a position at right angles thereto to confine heat to the front portion of the oven.

1,983,111
PORTABLE RADIATOR
George W. Whitehurst, Portsmouth, Va.
Application December 5, 1933, Serial No. 701,077
7 Claims. (Cl. 126—95)

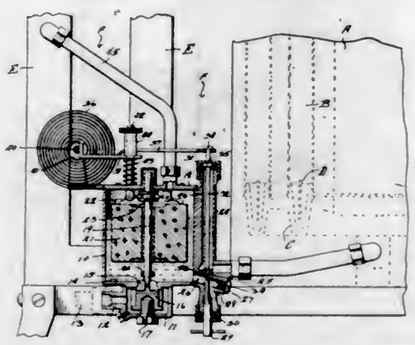
1. A heater of the character described, including a casing, a burner disposed within the lower end of the casing, a fresh air duct extending downward through the casing and discharging at the base of the burner, a drum at the upper end of the casing, and flues leading from the

upper end of the casing extending downward, then laterally and then up into said drum, the downward extension of each flue being spaced from the casing and the upward extension of



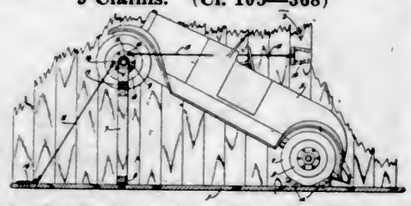
each flue being spaced from the downward extension whereby to provide air spaces disposed between the extension and the casing and between the downward extension and the upward extension, said air spaces being open at their ends.

1,983,112
REGULATOR FOR OIL BURNERS
George W. Whitehurst, Portsmouth, Va.
Application December 5, 1933, Serial No. 701,078
7 Claims. (Cl. 236—6)



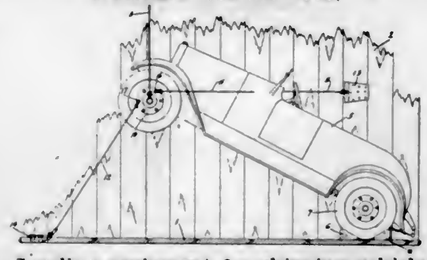
1. Means for regulating the flow of oil to an oil burner, comprising an oil containing chamber having an inlet, a float controlled valve controlling flow through said inlet, the chamber having an outlet, a vertically movable valve having a stem and controlling flow through said outlet, adjustable means for preventing the full seating or opening of said valve, and thermostatically operated means for shifting said valve toward or from its seat including a thermostatic coil having an arm engaged with the valve, the inner end of the coil being mounted for oscillation and having an arm, a screw extending upward loosely through said arm, a spring urging the last named arm upward, and a nut engaging the screw and adjustable to force the last named arm downward against the action of said spring.

1,983,113
LOADING EQUIPMENT
Hubert L. Williams, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 26, 1931, Serial No. 547,041
9 Claims. (Cl. 105—368)



1. In the loading of vehicles for shipment by carrier, means to float the gravity weight of the vehicle to allow movement of the vehicle under its own momentum, means to check vehicle movement including a member oscillatably mounted on the vehicle, a substantially inextensible guy, an anchorage to fasten one end of the guy to the carrier and a connection between the other end of the guy and the oscillatory member at a point out of alinement with the anchored end and the axis of said member, whereby said member is rocked by the pull of the guy upon movement of the axis away from the anchored end to bring said connection toward alined relation.

1,983,114
LOADING EQUIPMENT
Hubert L. Williams, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 9, 1932, Serial No. 604,220
6 Claims. (Cl. 105—368)

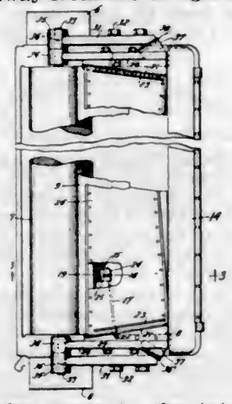


1. Loading equipment for shipping vehicles in a carrier including means to locate one end of the vehicle on the floor of the carrier, a tension element extending downward from the carrier and suspending the other end of the vehicle, a rotatable member on the vehicle, a second tension element connected to the rotatable member and extending non-radially from its axis of rotation and having a connection with the carrier such that on movement of the vehicle the said connection tends to rotate toward radial alinement of the second tension element with the said axis, and means cooperating with the rotatable member tending to restrain such rotation.

1,983,115
INK FOUNTAIN FOR PRINTING PRESSES
Otto R. Wolf, Oak Park, Ill., assignor to The Tribune Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1932, Serial No. 614,383
3 Claims. (Cl. 101—365)

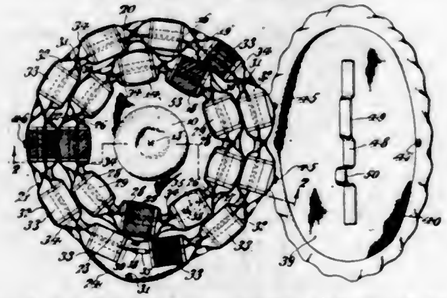
1. An ink fountain for printing presses comprising an ink trough, a fountain roller journalled therein, a scraper knife adjustable from

the end of the fountain, a knife-supporting and adjusting assembly pivotally mounted above the trough, said assembly being adapted to be swung on its pivots away from the trough when desired



to afford ready access to the interior of the trough, and means for accurately relocating said assembly when returned to normal position to thereby cause said knife to assume an exact predetermined relationship to said roller.

1,983,116
WORK BASKET
Eva G. Biberman, Philadelphia, Pa.
Application April 25, 1933, Serial No. 667,803
6 Claims. (Cl. 223—53)



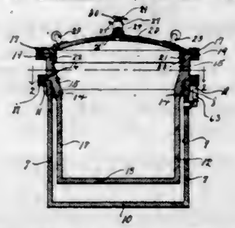
1. A spool holder comprising a sheet of supporting material having opposing flexible walls around the outer edge thereof to form an open spool receiving channel, fastener means for separably securing the opposing, free edges of said walls together at intervals to form spool holding pockets, and rigid means extending lengthwise and freely movable through said channel for receiving a plurality of spools thereon to retain the spools in said pockets, said rigid means being held in said pockets solely by said fastener means.

1,983,117
MOLD FOR CASTING OF PIPES OF CEMENTITIOUS MATERIAL
Edward Henry Bishop, Waverley, near Sydney, New South Wales, Australia
Application January 22, 1932, Serial No. 588,057
In Australia January 29, 1931
3 Claims. (Cl. 25—127)



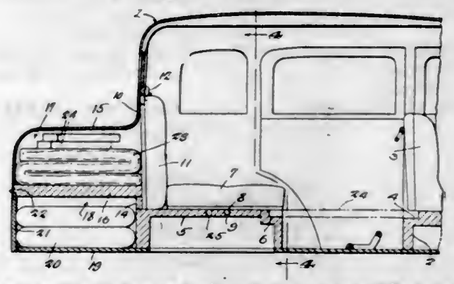
1. The combination of a pipe casing core comprising two separable parts, each made up of a central rigid portion having arcuate transverse ribs thereon, and side portions having arcuate transverse ribs thereon, said side portion ribs being respectively hinged to the ribs of said central rigid portion; toggle struts for each separable core part, each made up of two bars having a common central knee pivotally connected to a common pull-rod; lugs hinged to the ends of said bars and to the free ends of said side portion ribs; and a semicover mold comprising a body open centrally at the top, inwardly swinging wall sections at each side of said opening, and outwardly swinging wall sections at the lower side edges of said cover.

1,983,118
COOKING VESSEL
Philip Bourque, Detroit, Mich.
Application July 28, 1933, Serial No. 682,598
6 Claims. (Cl. 53—11)



1. In combination, an outer cup-shaped receptacle; an outwardly projecting peripheral flange on the open end of said receptacle; an inner cup-shaped receptacle adapted for engaging throughout the major portion of its body within said outer receptacle and in spaced relation thereto, the open end of said inner receptacle terminating with the same outside diameter as said outer receptacle; and an outwardly projecting peripheral flange on said inner receptacle adapted for overlying and engaging the flange on said outer receptacle.

1,983,119
AUTO BED
Randolph Boyd, Galva, Ill.
Application August 4, 1933, Serial No. 683,688
1 Claim. (Cl. 155—7)



An automobile seat structure convertible into a bed, and comprising a horizontal front seat base, a horizontal rear seat base spaced from the front seat base, a horizontal rear platform located behind the rear seat base and disposed at a higher elevation than the rear seat base, a seat cushion disposed horizontally on the rear seat base and spaced from the forward edge of the rear platform, a back cushion disposed vertically and having its lower edge resting on the rear seat base between the rear edge of the seat cushion and the forward edge of the rear platform, means spaced from the rear platform and engaging

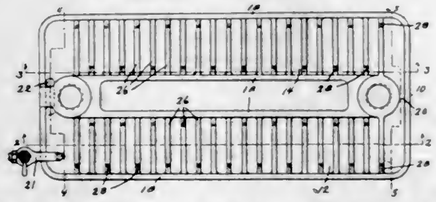
the upper edge of the back cushion to hold the back cushion vertical, a support, means on each of said seat bases for removably mounting said support in horizontal position spanning the space between the front seat base and the rear seat base, the back cushion being removable and adapted to lie on the support and to span the space occupied thereby, in front of the seat cushion, and interengaging elements on the seat cushion and on the rear seat base, whereby the seat cushion is held in normal seat position spaced from the forward edge of the rear platform or may be shifted rearwardly to provide space for the back cushion in front of the seat cushion and be held securely in bed-forming position adjacent the forward edge of the platform, said cushions being of a thickness such that the upper surfaces of both cushions and of the rear platform are substantially horizontal.

1,983,120

HUMIDIFYING RADIATOR

Julius L. Cable, Boston, Mass., assignor, by mesne assignments, to American Moistening Company, Providence, R. I., a corporation of Maine

Application December 26, 1930, Serial No. 504,698
18 Claims. (Cl. 257—179)



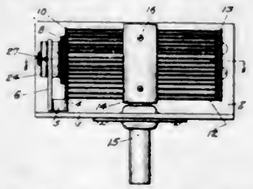
1. A humidifying radiator comprising a horizontally disposed heating section composed of two members arranged side by side and connected at their adjacent ends, each of said members having its top surface arranged to decline from one end to the other, with each declining in the opposite direction to the other, the lower end of the top surface of one member being disposed at the level of the higher end of the other and connected thereto to permit gravity flow from one to the other.

1,983,121

ELECTRICAL CONDENSER

Stanley S. Cramer and Emil D. Koepping, Haddon Heights, N. J., assignors to Radio Condenser Company, Camden, N. J.

Application May 31, 1930, Serial No. 458,078
6 Claims. (Cl. 308—233)



1. For a variable electrical apparatus having a frame supporting fixed and movable cooperating parts, the latter of which includes a shaft, said shaft support comprising a plurality of adjacently arranged raceways in the shaft, and complementary raceways therefor, one raceway being formed integral with the support and the other being formed in a plate attached to the support, and anti-friction bearing members positioned in said raceways.

1,983,122

BRAKE BEAM AND METHOD OF MAKING THE SAME

Nathan H. Davis, Philadelphia, Pa.

Application April 12, 1932, Serial No. 604,682
8 Claims. (Cl. 29—152)



1. A brake beam comprising a channel-shaped compression member having a longitudinal strengthening rib integral therewith and extending from end to end within the channel, and a tension member having the ends thereof within said channel and integrally connected with said strengthening rib.

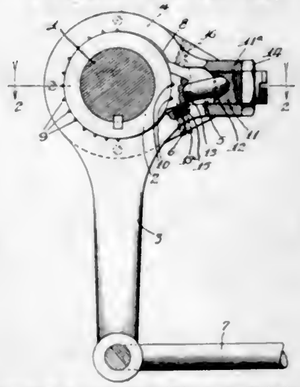
4. The method of making a brake beam from a bulb and flange bar having an inter-connecting web, comprising the steps of severing the bulb from the web intermediate the end portions of the bar, upsetting the bar longitudinally and simultaneously deflecting the central portion of the bulb laterally to form a tension member, and folding the flanges laterally about said web and the ends of said tension member to form a channel-shaped compression member.

1,983,123

REVERSIBLE REACTANCE CLUTCH

Adiel Y. Dodge, South Bend, Ind.

Application February 12, 1931, Serial No. 515,223
6 Claims. (Cl. 192—43)



2. Transmission comprising a driving oscillatable member having a cylindrical surface, a driven rotatable member having a cylindrical surface substantially coaxial with said first cylindrical surface and engaging the same, and means for causing gripping engagement between the cylindrical surfaces comprising a toggle action compression element pivotally mounted on one of said members, and means for adjusting the pivotal mounting to vary the angle of the toggle action, said adjusting means comprising an adjustable screw-threaded fulcrum member on which the toggle member is rockably mounted.

1,983,124

ELECTRIC SWITCH

Adiel Y. Dodge, South Bend, Ind.

Application January 9, 1933, Serial No. 650,784
13 Claims. (Cl. 200—152)

1. A mercury switch having a tiltable member having formed therein a curved reservoir containing mercury and having its ends in alinement and in close juxtaposition, and at least three contacts extending into said reservoir and adapted to be immersed in the mercury therein and two of which are arranged in said ends, said



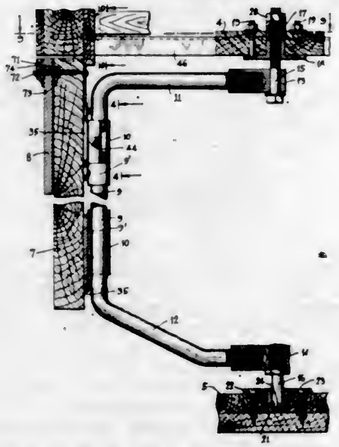
member being arranged for tilting movement about an axis extending midway between two of the contacts.

1,983,125

ADJUSTABLE HINGE

Edward H. Ellison, Jamestown, N. Y., assignor, by mesne assignments, to Austral Window Company, New York, N. Y., a corporation of Maine

Application December 10, 1929, Serial No. 412,981
9 Claims. (Cl. 16—129)



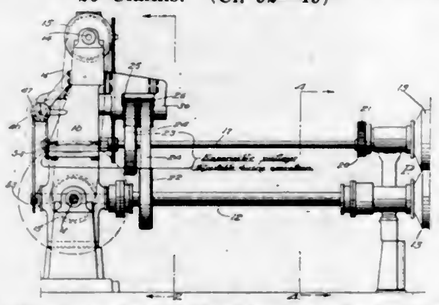
1. In combination with a door having a hinge member, attaching means for said hinge member comprising a base plate, and a pair of plates having registering slots, and screws extending through said slots into the base plate adapted to be loosened for adjusting the pair of plates with respect to the base plate and tightened for holding such adjustment.

1,983,126

PRESS ROLL DRIVE

John J. Farrell, Downingtown, Pa., assignor to Downingtown Manufacturing Company, Downingtown, Pa., a corporation of Pennsylvania

Application September 21, 1933, Serial No. 690,493
20 Claims. (Cl. 92—49)



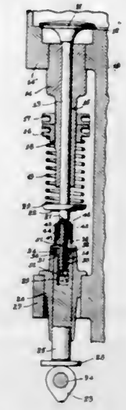
1. In apparatus of the type described, a pair of rolls, a drive shaft for each roll, means to drive one of said shafts, a gradually variable speed driving connection between the shafts, and means controlled by relative peripheral speeds of the rolls for varying the speed of rotation of the shaft driven through said driving connection.

1,983,127

SELF-ADJUSTING PUSHER ROD

Oscar F. Fredrickson, Chicago, Ill.

Application May 27, 1933, Serial No. 673,151
11 Claims. (Cl. 123—90)



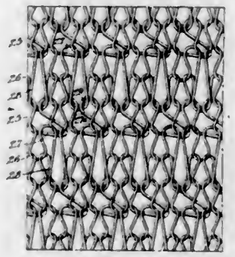
1. In a device of the character described, the combination with a pusher rod adapted for reciprocation in alignment with an engine valve, of a sleeve movably associated with said pusher rod, a valve stem engaging member associated with said sleeve for rotation therewith, a member in threaded engagement with said valve stem engaging member for frictional contact with said sleeve and pusher rod, and a spring for normally urging said last named member in frictional contact with said sleeve and pusher rod to preclude relative axial displacement between said interthreaded valve stem engaging and friction members.

1,983,128

RUNPROOF KNITTED FABRICS AND ARTICLES, SUCH AS STOCKINGS, AND METHOD OF MAKING THE SAME

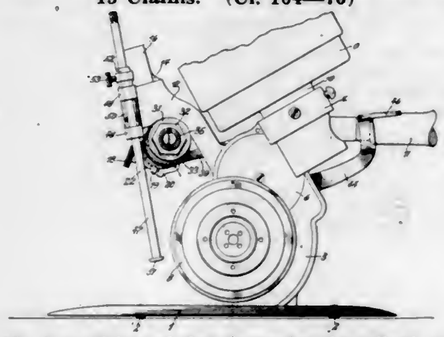
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Original application January 31, 1933, Serial No. 654,399. Divided and this application May 31, 1934, Serial No. 728,401
4 Claims. (Cl. 66—172)



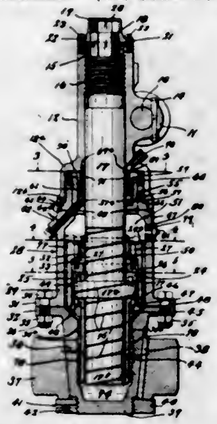
1. The method of knitting a run-proof fabric which comprises forming alternate courses of tuck stitches and interlocking courses of the spread loop type substantially throughout the fabric, and causing both legs of the spread loops of each interlocking course to pass through and engage with the tuck stitches of the preceding course.

1,983,129
CLOTH CUTTING MACHINE
John B. Gury, Jr., St. Louis, Mo., assignor to J. B. Gury Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application July 5, 1932, Serial No. 620,748
15 Claims. (Cl. 164—76)



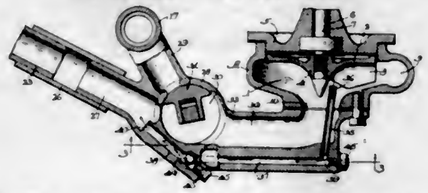
15. A machine of the character described comprising a rotary circular blade, a pair of spaced rotary sharpener members supported on the same axis of rotation, mechanism for moving said sharpener members in a straight line to contact said sharpener members simultaneously with opposite sides of the marginal portion of said blade and extending from the periphery to points equidistant from the periphery of said blade in circumferentially spaced relationship, and automatic means for moving said sharpener members from said blade.

1,983,130
JOURNAL
Charles Edward Hermann, St. Louis, Mo.
Application March 11, 1932, Serial No. 598,218
4 Claims. (Cl. 308—170)



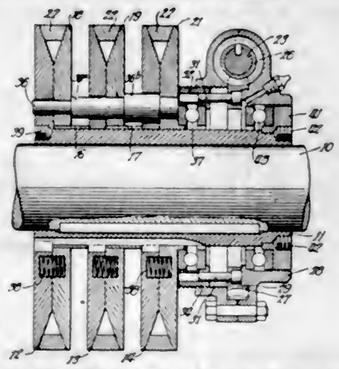
1. A journal for roller mills comprising in combination a stationary casing, a solid shaft screw-threaded at its upper end in said casing and projecting downwardly therefrom, a collar formed integral with said shaft near the lower end thereof, a revoluble casing enclosing said collar and the projecting end of said shaft and having its upper end enclosed within the lower end of said stationary casing, bearings in said revoluble casing for engaging said collar and supporting said revoluble casing, the latter being provided with an oil reservoir, said shaft and said collar being provided with spiral grooves for conveying oil from said reservoir to said bearings, a packing arranged in the upper end of said revoluble casing and engaging said shaft to form a dust and oil seal therefor, and means in said revoluble casing for adjusting said packing, said means including a fixed collar carried by the upper end of said revoluble casing and engaging the upper end of said packing, a loose collar arranged in said revoluble casing and engaging the lower end of said packing, and a plurality of screws extending obliquely and radially into said revoluble casing and engaging said loose collar whereby by adjusting said screws said packing can be compressed.

1,983,131
FLUID PUMP
John T. Hume, Chicago, Ill., assignor to Electric Household Utilities Corporation, Cicero, Ill., a corporation of Illinois
Application March 23, 1933, Serial No. 662,207
2 Claims. (Cl. 103—113)



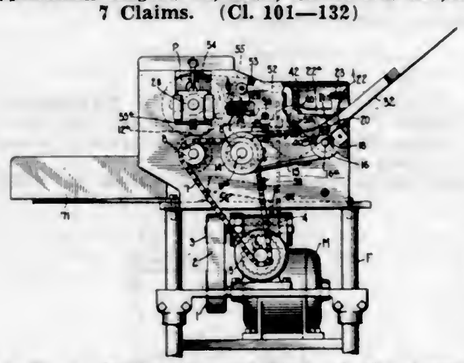
1. The combination of a pump including a housing having a pump chamber therein and a discharge outlet, a casting forming an elongated passage in communication with the pump chamber for conducting fluid to the pump chamber, a pump element in said pump chamber acting to circulate fluid therethrough, means forming in a separate passage in said casting having a tubular member communicating at one end with the interior of the pump and extending into the pump chamber to a point adjacent said pump element, said separate passage at its other end communicating with the inlet passage at an appreciable distance from the pump chamber, and a check valve in said separate passage permitting the flow of air from the pump chamber through said passage to the inlet passage.

1,983,132
VARIABLE SPEED DRIVE
Clifford E. Ives, Chicago, Ill.
Application February 1, 1932, Serial No. 589,991
8 Claims. (Cl. 64—8)



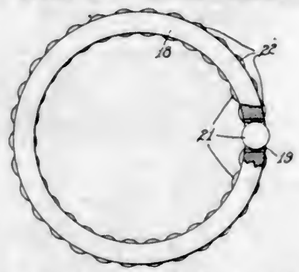
1. In a variable speed drive, a shaft, a plurality of split pulleys on the shaft each having a part fixed on the shaft and a part movable longitudinally on the shaft, a pin extending thru the split pulleys having means engaging the movable pulley parts, and means for moving said pin to adjust the relative position of the fixed and movable pulley parts, said means including a worm, a worm gear adapted to be turned by the worm, a stationary housing supporting the worm and worm gear, and a sleeve longitudinally movable along the shaft turned by the worm gear to move the pin and all the movable pulley parts toward the fixed pulley parts.

1,983,133
COPYING MACHINE
Charles Wesley Jean, New York, N. Y.
Application August 14, 1931, Serial No. 557,015
7 Claims. (Cl. 101—132)



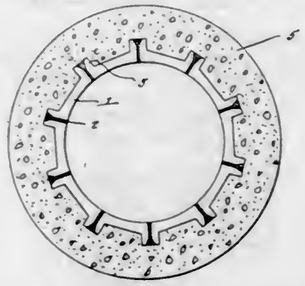
1. In a duplicating machine of the hectographic type, means adapted to guide the copy paper, applicator means adapted to apply a thin film of moisture to said copy paper, said applicator means including a resilient roller having a non-porous periphery and a metal roller in contact with said resilient roller, and means adapted to apply the master letter or the like under pressure to the moistened copy paper.

1,983,134
METHOD OF PRODUCING ROLLER BEARINGS
James P. Johnson, Cleveland, Ohio
Application December 26, 1930, Serial No. 504,781
3 Claims. (Cl. 29—148.4)



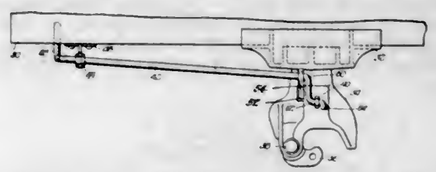
1. The method of forming a roller bearing which comprises the steps of taking a plurality of rollers of hard, resilient metal, taking a retaining ring of hard, resilient metal, forming in said ring a plurality of peripherally spaced radially extending slots, the peripheral extent of each of said slots being slightly less than the diameter of the roller to be inserted therein, the radial extent of each of said slots being slightly less than said diameter, and the axial extent of each of said slots being slightly greater than the length of the roller to be inserted therein, cutting in each of said slots a cylindrical enlargement upon an axis radial with respect to said ring, cutting in each of said slots a cylindrical enlargement upon an axis parallel with the axis of said ring, and forcing a roller into each of said slots, moving each roller into its slot in a direction perpendicular to the axis of said roller.

1,983,135
PIPE
John B. Kerr, St. Marys, Pa.
Application April 13, 1934, Serial No. 720,482
1 Claim. (Cl. 72—53)



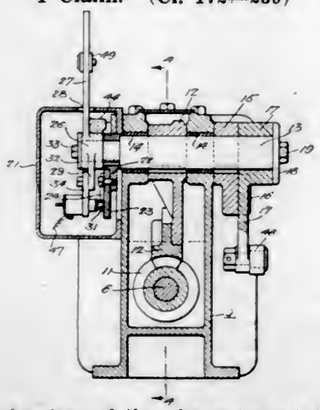
A pipe of the class described comprising a plurality of substantially segmental lining sections of vitrified material, said sections being disposed with the longitudinal edges in spaced parallelism with each other, integral flanges on the outer sides of the longitudinal marginal portions of the lining sections, the opposed upper portion of the sides of the adjacent flanges being beveled and defining a plurality of substantially V-shaped, spaced, parallel grooves, a sealing medium between the lining sections and filling the substantially V-shaped grooves, and a body of cementitious material encircling the lining sections.

1,983,136
COUPLER OPERATING MECHANISM
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 29, 1929, Serial No. 358,881
7 Claims. (Cl. 213—167)



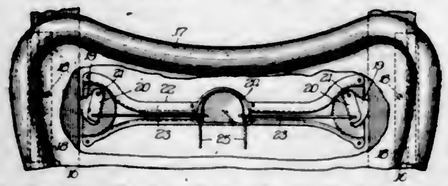
7. In a coupler mechanism, the combination of a vehicle end sill, a coupler extending outwardly therefrom, said coupler having a top lifter provided with an eye for operation of the lock of said coupler, a fulcrum member having an end connected to the top of said coupler adjacent said lifter, said member extending upwardly and rearwardly in spaced relation to said coupler and having a bearing adjacent the rear end thereof, a bearing adjacent an end of said sill, and a handled uncoupling rod for operating said lifter, said rod being supported at its outer end by said last-named bearing adjacent said handle and extending directly to and being loosely supported by said first-named bearing adjacent its inner end, said inner end having a crank portion comprising a forwardly extending part and a transversely disposed part extending through said eye, said transversely disposed part extending beyond said eye and having an offset to prevent dissociation of said rod and lifter during operation.

1,983,137
REVERSING MECHANISM
Charles V. Koons, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 20, 1932, Serial No. 606,443
1 Claim. (Cl. 172—239)



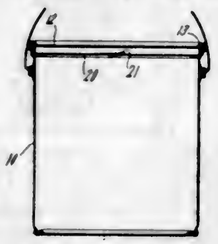
In mechanism of the character set forth, the combination with a housing, of a reversible electric motor supported by said housing, a shaft journaled in said housing, and transmission mechanism in the housing connecting the shaft with the motor, an arm secured to said shaft and having spaced abutments, a lever journaled on the said shaft and positioned intermediate the said abutments, a switch member secured to said shaft, a second switch member journaled on said shaft, one of said members having mounted thereon a pair of spaced segmental contact elements and the other of said members having a third contact element adapted normally to be positioned intermediate said segmental elements, said journaled switch member being adjustable to effect selective engagement of the said third contact element with the segmental elements, and said parts being so constructed and arranged that actuation of the motor resulting from engagement of said contact elements effects a relative movement of said switch members returning the contact elements into the relatively neutral position.

1,983,138
HIGH CHAIR
Edgar A. Lehman, Cannelton, Ind., assignor to The Lehman Company of America, Cannelton, Ind., a corporation of Indiana
Application February 8, 1933, Serial No. 655,716
2 Claims. (Cl. 155—127)



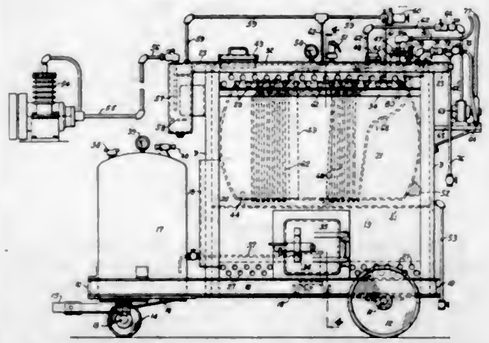
1. In an infant's chair of the type having a seat portion and a back portion; two arm members extending forwardly from said back portion and above said seat portion in substantially parallel relation, a tray of greater width than the distance between said arm members extending across the latter, cam acting gripper mechanisms having one end pivotally mounted to said tray adjacent said arm members, the length of each of said gripper mechanisms being greater than the distance between its pivot and the adjacent arm member, whereby said grippers tend to spread said arm members apart when pressed outwardly, spring actuated means connected to the opposite end of said gripper mechanisms for biasing said gripper mechanisms outwardly so as to increase the grip of said gripper mechanisms on said arms and to cause said arms to tend toward spreading apart when an effort is made to move said tray forwardly to withdraw it from engagement with said arms without operation of said spring actuated means, and additional means on said tray for engaging said arm members and holding the same against spreading apart.

1,983,139
CONTAINER AND CLOSURE THEREFOR
Stanley P. Lovell, Newton, Mass., assignor to Arden Box Toe Company, Watertown, Mass., a corporation of Massachusetts
Application August 30, 1930, Serial No. 478,958
9 Claims. (Cl. 220—24)



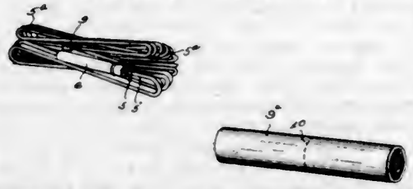
1. A container of rigid air-tight material having a diaphragm of resilient air-tight material stretched across the mouth of the container, said diaphragm having a central normally closed slit therein.

1,983,140
LIQUID AND AIR HEATING APPARATUS
Earl Henry McCathron, Bridgeport, Conn.
Application November 14, 1931, Serial No. 575,031
4 Claims. (Cl. 91—4)



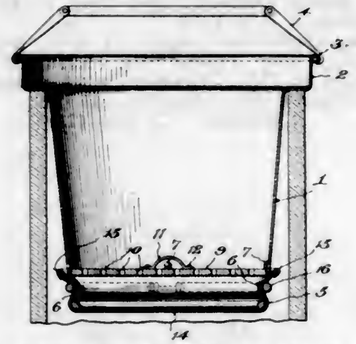
1. In a liquid and air heating apparatus, a compressed air supply, a water heating tank means for heating said tank, a liquid heating tank submerged within the water tank, a compressed air pipe line extending into the water heating tank, wrapped around the liquid tank and extending from the water tank to provide a heated compressed air supply, a second compressed air pipe line connected with the liquid tank, a liquid pipe line connected with the said liquid tank, wrapped around the same within the water tank and extending out therefrom and connected with the said heated compressed air pipe line.

1,983,141
ELECTRIC BLASTING CAP PACKAGE AND METHOD OF FORMING THE SAME
David M. McFarland, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application March 17, 1933, Serial No. 661,397
16 Claims. (Cl. 102—10)



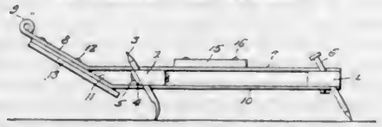
1. The herein described method of forming an electric blasting cap package comprising a detonator, its leg wires, and a container for the same, which consists of folding said wires back and forth in progressive loop formation and without interweaving of said loops, folding the said loops about the detonator and forcing the bundle of loops with the contained detonator into the container, as described.

1,983,142
COFFEE BAG
Saburo M. Moriya, Arden, Del.
Application September 23, 1932, Serial No. 634,583
2 Claims. (Cl. 53—3)



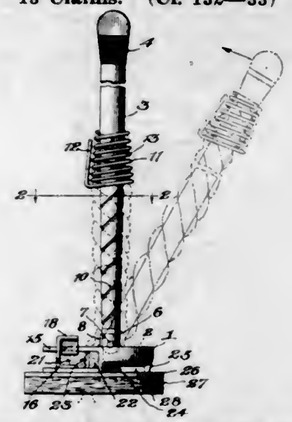
2. A tapered metal coffee bag having an enlarged annular supporting flange formed about its upper end and a reinforcing bead about its lower end, a filter bag removably positioned about said metal coffee bag and supported by means of an annular supporting ring housed within a hem formed at the top of the filter bag, said ring seating on the top of a crock of a coffee urn in contact with the under surface of the annular flange, and a removable perforated water deflecting plug in said bag.

1,983,143
HARROW
Robert C. Nesbit, Alpharetta, Ga.
Application May 8, 1934, Serial No. 724,589
3 Claims. (Cl. 55—23)



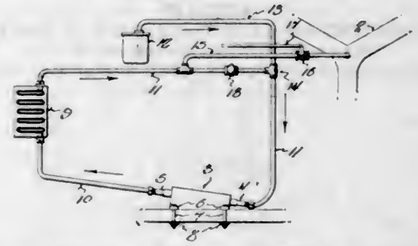
1. A harrow comprising a plurality of transverse beams, teeth mounted on the beams, upper and lower bars connecting the beams, said bars including forwardly and upwardly extending forward end portions paralleling each other and secured together, and a plank mounted on said forward end portions of the lower bars.

1,983,144
HAIR WAVING OR CURLING ROD
Vincent N. Nicosia, Houston, Tex.
Application September 30, 1933, Serial No. 691,706
13 Claims. (Cl. 132—33)



1. In combination with a clamp for holding the hair to be curled adjacent the scalp, a rod pivotally and turnably connected to the clamp, and means for holding the hair wrapped about the rod and with the latter initially at an incline to the clamp whereby upon turning of the rod the hair wrapped on the rod will pull against the portion thereof held by the clamp so as to effect movement of the rod to a position at substantially right angles to the clamp.

1,983,145
STEAM HEATING SYSTEM FOR AUTOMOBILES
Benedict F. Peterson, Milwaukee, Wis.
Application July 29, 1932, Serial No. 625,704
1 Claim. (Cl. 237—12.3)



In combination with an internal combustion engine having an intake manifold and an exhaust line, an apparatus of the character described comprising, a heating chamber associated with the exhaust line and provided with inlet and outlet ports, said inlet port being positioned below the outlet port, a radiator, a feed line connecting said radiator with said outlet port, a return line connecting the radiator with said inlet port, a liquid reservoir, a supply line extending upwardly from said reservoir and communicating with said return line, a connection between the return line and the manifold for reducing the pressure in said return line, said connection communicating with the return line between the radiator and

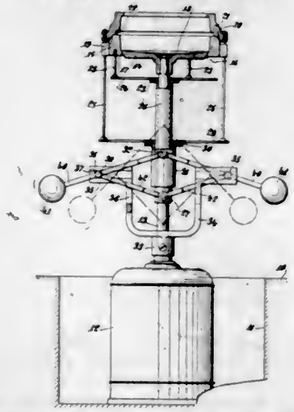
supply line connections, a valve for controlling the connection between the return line and manifold, and a check valve positioned in the return line between the suction and supply line connections to prevent retrograde travel of fluid in the return line when pressure is reduced in the system through the suction line manifold.

1,983,146

SPEED CONTROLLED STRIPPING MOLD

William D. Sargent, New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del., a corporation of Delaware

Application August 1, 1931, Serial No. 554,523
8 Claims. (Cl. 22—65)



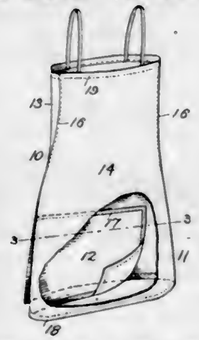
8. A centrifugal casting apparatus comprising a rotatable horizontal table, a vertical rotatable shaft secured thereto, a molding element rotatable therewith and coaxial thereto, a sleeve slidable on said shaft, means connecting said sleeve to said molding element, arms pivotally secured to said sleeve extending downwardly and carrying inertia weights at their extremities, and means connecting the central portion of said arms to said shaft, whereby said sleeve and molding element is moved downwardly by centrifugal force upon rotation of said shaft, sleeve, and inertia weights.

1,983,147

UNDERWEAR FOR WOMEN AND GIRLS

Max C. Schrank, Bridgeton, N. J.

Application December 16, 1933, Serial No. 702,757
1 Claim. (Cl. 2—73)



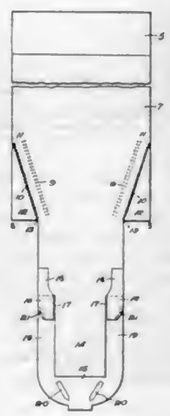
A slip having body and waist portions with front and back members of substantially duplicate shape from top to bottom and side to side and joined at their sides by seams extending downward from the top at least to the waist, said front and back members being integral and one of said members having extending horizontally from one side an overlap that terminates at the top in an edge that extends crosswise of the slip between the top and bottom of the slip and is secured thereto by a crosswise extending line of stitching adjacent the top edge of the overlap, said overlap from top to bottom being a single thickness of material and situated on the inner side of the piece to which it is stitched at the top, and from top to bottom being of a length not more than half the distance from top to bottom of the fabric that constitutes the upper and lower portions of the completed garment, said overlap being integral with the garment member from the side of which it extends horizontally, and folded over upon the latter on a line that extends downward, from the top of the overlap where it joins said member, to the bottom of the slip, there being only three plies of material at the skirt of the garment, two of such plies being at the overlap, and the overlap being free from the bottom of the overlap upward to said crosswise line of stitching and that portion of the skirt overlying said overlap being free at one vertical edge and free from such edge inward to allow movement under pressure from the leg movements of the wearer within the skirt.

1,983,148

METHOD OF KNITTING RUNPROOF OR RUN-RESISTANT KNITTED FABRIC AND THE RESULTING FABRIC

Herbert V. W. Scott, Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y., a corporation of New York

Original application August 11, 1932, Serial No. 628,391, now Patent No. 1,978,410, dated October 30, 1934. Divided and this application December 5, 1932, Serial No. 645,722
7 Claims. (Cl. 66—172)



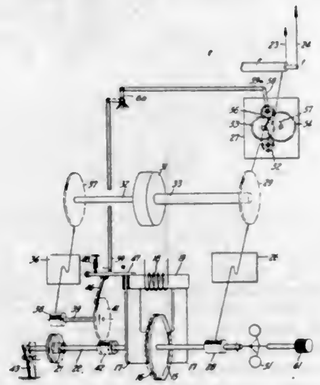
1. A run-proof or run-resistant, plain knit, full-fashioned or flat-knit stocking consisting of a main or body thread knitted of the full width of the blank only to the termination of the calf narrowings, and a series of knitted in warp threads or yarns one for each needle wale, said stocking having stitches of the main thread laterally shifted or transferred at the leg narrowings, said laterally transferred or shifted stitches containing stitches of the warp threads, which are transferred with them, said stocking having heel, foot and toe portions.

1,983,149

ELECTRIC MOTOR MECHANISM

Ralph C. Shermund, San Francisco, Calif., assignor to Stanford Products, San Francisco, Calif., a corporation of California

Application November 21, 1932, Serial No. 643,575
3 Claims. (Cl. 58—26)



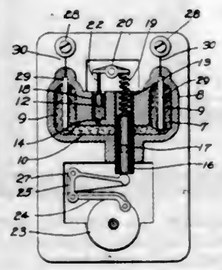
1. In mechanism of the character described, a movable time element, a non-self-starting synchronous electric motor, a spring motor, and means for causing the time element to be driven at a predetermined speed by the electric motor when the electric motor is energized, and for causing the spring element to drive the time element at the same speed when the electric motor is deenergized, said means including a drive connection serving to cause the spring motor to drive the rotor of the electric motor at a super-synchronous speed when the electric motor is deenergized.

1,983,150

ELECTRIC CIRCUIT BREAKER

Ira R. Sigman, Alameda, Calif., assignor of one-half to Nelis A. Simonsen, Alameda, Calif.

Application May 18, 1931, Serial No. 538,016
6 Claims. (Cl. 200—152)



1. In a device of the character described, a casing arranged to contain an electric conducting fluid, a valve for separating said fluid into electrically disconnected portions and for allowing said portions to be electrically connected, electrodes for each of said portions, and means for increasing the pressure on said fluid during the instant said valve opens to allow a continuous column of fluid to form between the said electrodes.

1,983,151

COLORING AGENTS FOR GLASS BATCHES AND METHOD OF EMPLOYING SAME

Alexander Silverman, Pittsburgh, Pa.

No Drawing. Application July 18, 1934, Serial No. 735,826
6 Claims. (Cl. 106—36.1)

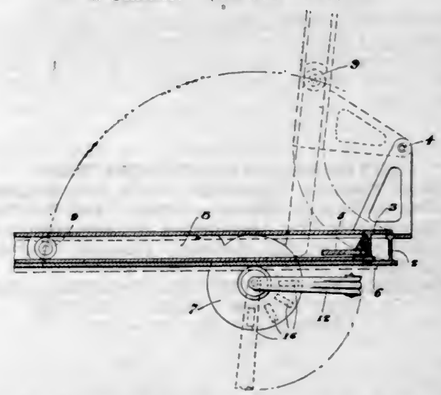
1. A coloring agent for a glass batch which consists of the usual cadmium sulphide preparation, and an addition thereto of material from a group that consists of metallic cadmium, cadmium selenide, and cadmium sulpho-selenide, by the use of which the necessity is avoided of including other reducing agents in the addition to be made to the batch in the glass-melting pot, and the ultimate color is given to the glass while still in the pot and the necessity of reheating to bring out the color is avoided.

1,983,152

CASEMENT WINDOW OPERATOR

Edmund T. Stewart, New York, N. Y.

Application October 28, 1930, Serial No. 491,733
2 Claims. (Cl. 268—118)



1. A casement window comprising a window frame, a sash hinged to swing into an open or closed relationship to said frame, the lower rail of said sash having a groove in the lower side thereof, a roll running in said groove, an arm carrying said roll and adapted to register approximately with said groove when the window is closed, a plate rigid with said arm, a support located inside the window and on which said plate is centrally pivoted, said frame having a slot through which said plate projects, a handle secured to said plate to swing it and the sash, said support having a series of apertures therein and a locking device associated with said handle and including a part projecting through said plate and arranged to enter any one of said apertures to lock said plate securely to said support and to hold said sash in various open positions.

1,983,153

COMBINATION RECEPTACLE AND ADVERTISING DISPLAY

Max M. Swerdloff, Buffalo, N. Y.

Application October 27, 1933, Serial No. 695,484
1 Claim. (Cl. 220—83)

A combination receptacle and advertising display, comprising an outer can-body including a cover hinged thereto having a waste-receiving opening therein and a flange overhanging the sides of said body, a waste receiver removably arranged within said can-body, panel-receiving frame applied to the exterior side of the can-

body and including upright guide ways open at their upper ends and terminating below the cover in the plane of its flange, the latter providing an overhanging top closure for the guide ways in the closed position of the cover, and a transparent



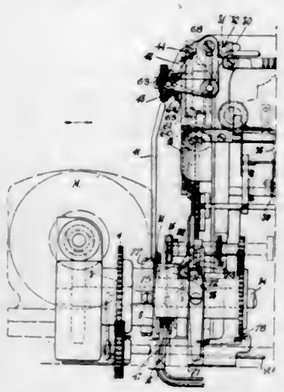
advertising display panel removably fitted in said frame and normally held therein against upward displacement by the overhanging cover-flange, said panel bearing advertising matter on its inner face.

1,983,154

KEYBOARD OPERATED MACHINE

Arthur Thomas, Thornton Heath, and Reginald Charles Everest Blamey, Purley Oaks, England, assignors to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England

Application February 17, 1931, Serial No. 516,302
In Great Britain February 28, 1930
17 Claims. (Cl. 164—112)



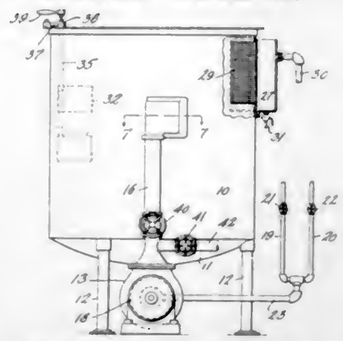
1. In a keyboard operated machine the combination of a ratchet wheel, means for causing said ratchet wheel to rotate continuously while the machine is running, a rotatable disc mounted coaxially with and adjacent to said ratchet wheel, a pawl pivoted on said disc, means tending to force the pawl into engagement with the ratchet, means for holding said pawl normally free from the ratchet, back spacing mechanism, an operative connection between the disc and said back spacing mechanism, a back space key, and an operative connection between said key and the pawl holding means, whereby on depression of the key the pawl is permitted to engage with the ratchet thereby causing actuation of the back spacing mechanism.

1,983,155

APPARATUS FOR WASHING OR TREATING MATERIALS

William F. Traudt, Buffalo, N. Y.

Application February 16, 1934, Serial No. 711,565
11 Claims. (Cl. 141—12)



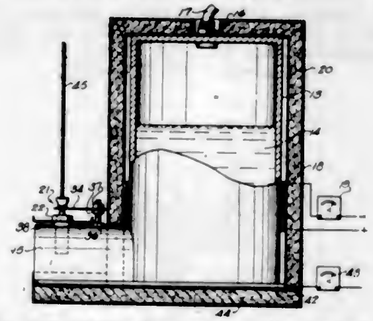
1. An apparatus for treating materials comprising a tank adapted to contain the material in a fluid mixture, a circulating pump for the fluid mixture having a suction pipe extending up in the central portion of the tank and provided with an inlet at the bottom portion of the tank, and a discharge pipe delivering into the tank in a direction to cause a horizontal rotary motion of the fluid mixture in the tank, and an inlet member which provides an upper inlet for the suction pipe and is adjustable to place said upper inlet at different elevations, whereby portions of the fluid mixture of different densities can be circulated and mixed.

1,983,156

APPARATUS FOR SEALING LAMINATED GLASS

George B. Watkins and Roy W. Wampler, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application November 21, 1929, Serial No. 408,874
4 Claims. (Cl. 49—81)



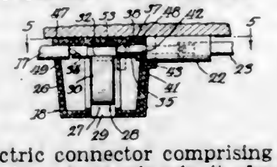
1. An apparatus for sealing laminated sheet glass, comprising a receptacle adapted to contain the sealing material and being provided with a lateral extension connected to the lower end thereof and in communication therewith for receiving the sealing material therefrom, a vertically disposed valve associated with the lateral extension and having a nozzle upon which the laminated sheet to be sealed is adapted to be supported, said nozzle being provided with a pair of spaced shoulders defining a recess therebetween within which the sheet is received, and being further provided with a restricted outlet opening between the shoulders, means for normally maintaining the valve in closed position, and means associated with said valve to effect the opening thereof when the sheet of laminated glass is pressed downwardly against the nozzle.

1,983,157

ELECTRIC OUTLET

Hugo H. Wermine, Villa Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 21, 1931, Serial No. 524,226
5 Claims. (Cl. 173—334)



4. An electric connector comprising a housing member having an opening in its front end for permitting a contact prong to be inserted into the interior of said housing member from the front thereof, a contact member seated in the interior of said housing for engaging a contact prong inserted thereinto, said contact element having a base portion extending laterally relative to the plane of said contact element and constituting an auxiliary contact element adjacent the base of the housing, said housing having a base portion adapted to cooperate with said auxiliary contact element to receive and grip the connector prong of a male electric connector plug.

1,983,158

HEAD AND SHAFT ASSEMBLY FOR GOLF CLUBS

Leonard A. Young, Detroit, Mich.

Application December 31, 1931, Serial No. 584,266
2 Claims. (Cl. 273—80)



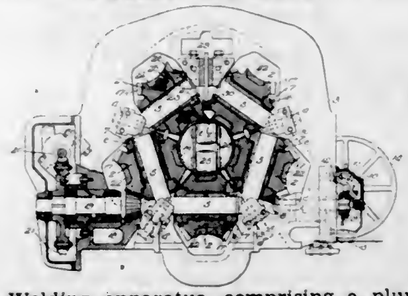
1. A golf club of the blade type comprising a shaft having a laterally bent tubular lower end portion, a head including a shell formed of sheet metal with an upwardly extending tubular hosel and a weight block fitted within said shell and formed with a tapered bore extending inwardly of said block from the lower end of said hosel to frictionally and tightly receive the bent end portion of said shaft inserted through said hosel, a sheet of resilient material interposed between said shell and block, and a tubular extension for said hosel sleeved upon said shaft and formed with a lower end portion fitting said shaft and engaged within said hosel, said tubular extension being expanded to form an annular shoulder to engage the upper end of said hosel and with a contracted upper end portion to fit said shaft, said extension being spaced from said shaft intermediate said shoulder and the contracted upper end portion of said member whereby said shaft is rigidly connected to said weight block within said shell and said shell is yieldingly supported thereby and by said shaft to deaden vibration set up by said block coming into contact with a ball.

1,983,159

APPARATUS FOR WELDING

James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio

Application October 7, 1930, Serial No. 486,986
9 Claims. (Cl. 219—6)



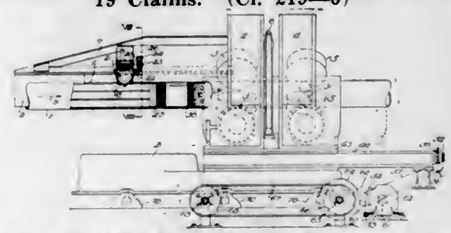
9. Welding apparatus, comprising a plurality of pressure rolls journaled substantially in a common plane, said rolls rotatably engaging work to be welded during advancement of the work therethrough and forcing together heated edges of the work to form a welded seam, said rolls at one side of said seam being mounted so as to provide a space therebetween communicating with said seam at said side, a roll spanning said seam at the opposite side thereof for rolling down the same, and rotary metal removing means extending within said space in engagement with said seam and journaled substantially in said plane effective for removing metal extruded from the seam during advancement of the work and before said extruded metal has solidified, whereby to prevent said extruded metal from becoming a part of said seam.

1,983,160

ELECTRIC WELDING APPARATUS

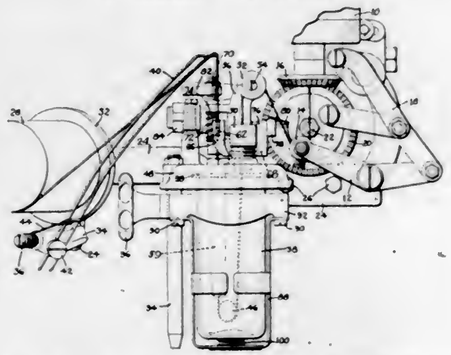
James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio

Application March 10, 1932, Serial No. 597,883
19 Claims. (Cl. 219—6)



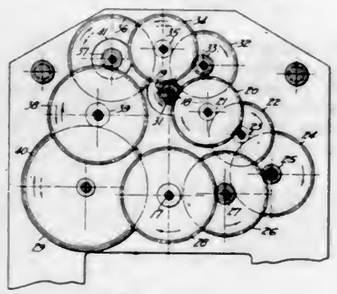
15. In an electric welding apparatus, an inner coil and core structure, means including a movable carriage supporting said structure to permit the movement thereover of substantially tubular material to be welded, a guide along which the carriage travels, roller means causing the progressive longitudinal motion of said material, and means for shifting said carriage in a direction axially of such material to a point beyond said roller means whereby quick accessibility to said coil is attainable.

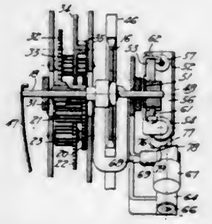
1,983,161
THREAD SUPPLY AND HANDLING DEVICE
Fred Ashworth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 19, 1932, Serial No. 623,386
6 Claims. (Cl. 91—46)



3. A wax thread supply device for sewing machines having, in combination, a frame, a container for liquid wax or lubricating fluid, a holder supported on the frame from which the container is readily removable, a sealing cover on the frame against which the container is secured by the holder, guiding means on the frame for directing thread through the cover downwardly into the container and upwardly from the container, a thread clamp mounted on the frame for engaging an unwaxed portion of the thread just before it passes through the cover, and means extending from the frame for actuating the thread clamp.

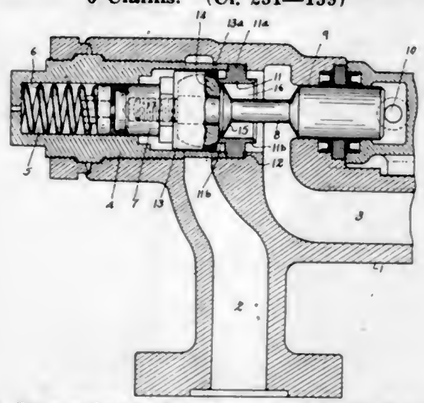
1,983,162
ELECTRIC CLOCK
William M. Brower, Palo Alto, Calif., assignor to Stanford Products, Ltd., San Francisco, Calif., a corporation of California
Application May 10, 1932, Serial No. 610,485
4 Claims. (Cl. 58—26)





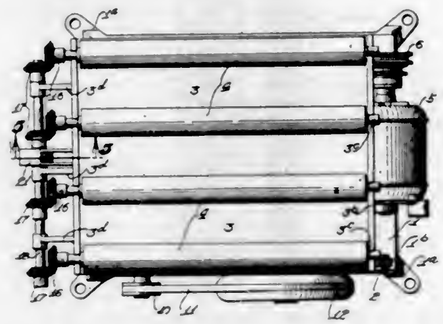
1. In an electric clock, a rotatable member, a first means for rotating said member, a second means for rotating said member upon and during cessation of operation of said first means; said first and second means having unequal driving forces, a governor for controlling the rate of rotation of said member, one of said means having a greater tendency to drive the member at the desired speed than at other speeds and the other means having no predominating tendency in this regard, a shaft for supporting said governor for rotation with said member, said governor comprising a rotating resilient arm adapted to assume a position determined by the centrifugal force arising from the rotation of the governor, a resilient arm secured at one end only to a fixed support and having its free end extending into the path taken by the first mentioned resilient arm when the governor is rotating at a predetermined speed, whereby the ends of said resilient arms strike one another to retard the rate of rotation of the governor and said member, means for moving said shaft and the governor thereon from one position to another automatically in response to a change from one to the other of said first and second means without effecting corresponding movement of said relatively stationary resilient arm, the ends of said resilient arms being shaped to alter the retarding effect of the impact for different longitudinal positions of the governor shaft, whereby the retarding forces of the governor are varied for different longitudinal positions of the governor shaft at a given rate of rotation.

1,983,163
HIGH PRESSURE VALVE SEATING STRUCTURE
Harold W. Buckman, Pittsburgh, Pa., assignor to B. & D. Manufacturing Company, Inc., a corporation of Pennsylvania
Application April 2, 1932, Serial No. 602,723
6 Claims. (Cl. 251—159)



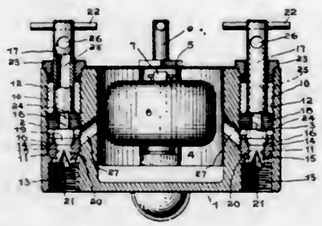
1. In a valve seating structure for high pressure hydraulic control valves, the combination of a valve stem, a member providing an annular valve seat, a compressible seating element in part of substantially globular form perforate to surround the valve stem, a socket member on the valve stem for confining and supporting the seating element, said socket member having its interior surface curved to present to the valve stem a concave face concentric with the valve stem in conformity with the substantially part globular form of said seating element, thereby providing a matching surface for the substantially globular part of the seating element, a clamping member on said valve stem in opposition to said socket member and bearing against said seating element for compression of the seating element in its socket, said clamping member proportioned and positioned to leave exposed therearound an annular exposed area of the seating element defined by the socket member and the clamping member, said exposed annular area aligned for contact of the seating element with the annular valve seat.

1,983,164
PAINT-MIXING MACHINE
Grant A. Bush, San Diego, Calif.
Application July 2, 1932, Serial No. 620,625
4 Claims. (Cl. 259—1)



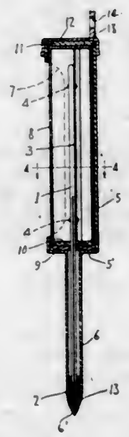
1. In a canned paint mixing machine for mixing paint in cans of various sizes, a support member, a plurality of links extending therefrom, a platform carried by said links, a plurality of paint can supporting rollers mounted on said platform, means for oscillating said platform with respect to said support member, and mechanism for periodically turning said rollers, whereby cans of paint carried by said rollers are both oscillated and turned.

1,983,165
CONTROL DEVICE
Donald A. Cameron, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 14, 1932, Serial No. 586,517
11 Claims. (Cl. 251—20)



5. A device of the character described, comprising a casing having a longitudinal bore therethrough, a sleeve member fixed in said bore and having a passage therethrough concentric with said bore, said passage being of enlarged internal diameter at its upper end to provide a valve seat, a valve member having a cylindrical externally threaded flange adjustably threaded in said bore, said valve member having a conical downward tapered face cooperable with said seat to close said passage and having a portion slidably fitting in said passage, said portion having a metering slot therein cooperable with the wall of said passage to regulate flow therethrough, said valve member having a stem projecting above said casing, a sleeve member surrounding said stem and closing the top of said bore, said flange having a transverse passage therethrough, said casing having an inlet passage to said bore between said flange and said valve seat, and said valve member and stem having a passage opening from the bottom end of said valve member through said stem to the atmosphere.

1,983,166
THERMOMETER
John L. Chaney, Springfield, Ohio, and William Kenneth Yates, Chicago, Ill.
Application June 28, 1934, Serial No. 732,888
5 Claims. (Cl. 73—52)

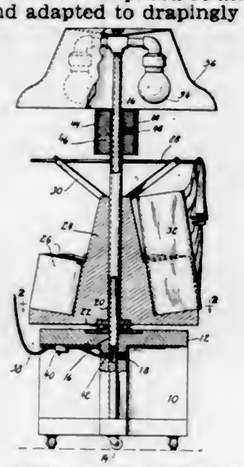


3. In a thermometer, a metallic casing formed with a main cylindrical section and a reduced cylindrical axial extension formed integrally with the lower end of said main section, said main section being open at its upper end and having a part of its main side wall cut away, the reduced extension being closed throughout its length and provided with a pointed lower end, a glass tube located in the main section of said main casing open at its lower end and closed at its upper end, a disk of flexible material between the lower open end of said glass tube and the lower end of said main section, a second disk of flexible material fitted in the open end of said glass tube, a thermometer tube in said glass tube and extending throughout the length of said extension, said disks being perforated to receive said thermometer tube with a snug fit, a scale card attached to that portion of the thermometer tube which is located in the glass tube and held against lateral displacement by said glass tube, and a removable cap to close the upper end of said main section and adapted to exert pressure on said glass tube.

1,983,167
CLOTH DISPLAY STAND
Theodore R. Chisolm, Detroit, Mich.
Application December 11, 1933, Serial No. 701,783
8 Claims. (Cl. 211—44)

1. A stand for displaying bolts of cloth comprising, in combination, a rotatably mounted frame provided with bolt receiving slots opening upwardly and outwardly, and a draping ring se-

cured to said frame in spaced relationship above said slots and adapted to drapingly support por-



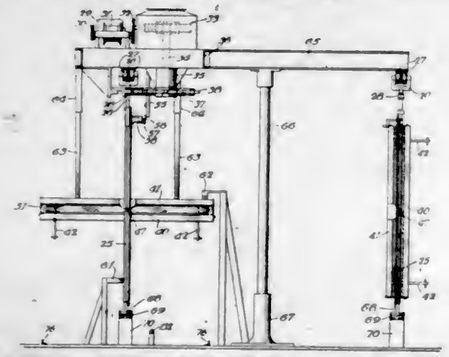
tions of the cloth on the bolts received within said slots.

1,983,168
LIFTER FOR HOT DISHES
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application August 8, 1932, Serial No. 627,918
3 Claims. (Cl. 294—34)



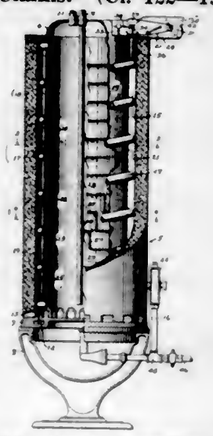
1. A pan or pie tin lifter comprising a body bar having a handle formed integral therewith, the front end of the bar sloping downwardly and forwardly with a rearwardly extending finger at the extreme end thereof to form a front gripping member, a vertical slot formed in the bar extending longitudinally thereof, a rear gripping member having a vertical pivot extending through the slot and having a plurality of downwardly and rearwardly extending prongs with forwardly extending fingers at the extreme ends thereof, said rear gripping member being slidable upon the bar and revolvable horizontally within certain limits with said pivot.

1,983,169
MATTRESS TUFTING APPARATUS
John F. Gail, Evanston, Ill., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application February 3, 1932, Serial No. 590,647
15 Claims. (Cl. 45—138)



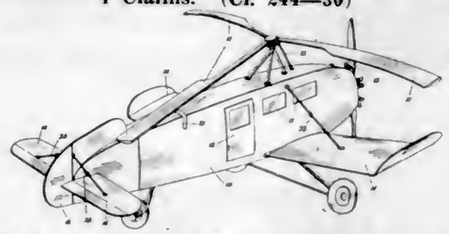
1. In apparatus of the class described, the combination of a mattress carrier, a frame in which said carrier is mounted for pivotal movement, an overhead track, means for movably suspending said frame from said track, and means for preventing lateral swaying of said frame.

1,983,170
WATER HEATER
Walter G. Hanna, Oakland, Calif.
Application March 9, 1932, Serial No. 597,702
4 Claims. (Cl. 122—19)



2. In a liquid heater, an upright boiler for the liquid, means defining a flue passage extending spirally about the boiler side wall and in thermal contact therewith, and means defining a liquid passage extending spirally within the boiler side wall and in thermal contact therewith, the spirals of said passages being of mutually opposite pitch.

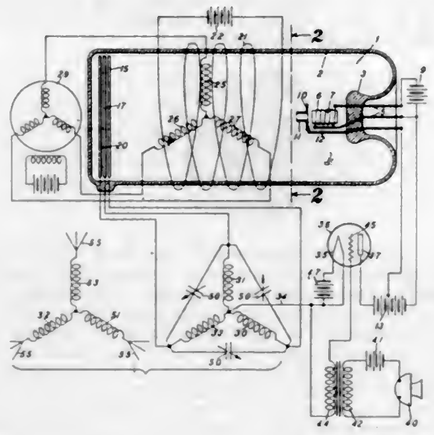
1,983,171
CONVERTIBLE AIRCRAFT
Clyde R. Harding, Council Bluffs, Iowa
Application August 8, 1932, Serial No. 627,949
4 Claims. (Cl. 244—30)



1. Aircraft having a fuselage comprising a fore part and a rear part in telescoping relation, and a rudder member having a fin projecting upwardly from said rear fuselage part, the upper wall of said fore fuselage part being provided with a slot for receiving the upwardly projecting fin of said rudder member when said fuselage parts are in telescoping relation.

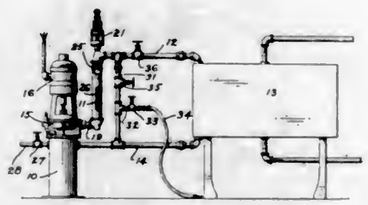
1,983,172
MODULATING SYSTEM
Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application December 21, 1931, Serial No. 582,274
3 Claims. (Cl. 179—171)

1. A polyphase frequency converter and modulator comprising a vacuum tube having a cathode therein, a plurality of anodes each having a plurality of spaced openings therein and angularly displaced within said tube to receive successively a beam of cathode rays from said cathode, means for deflecting said beam across said anodes, a plurality of star-connected inductors connected



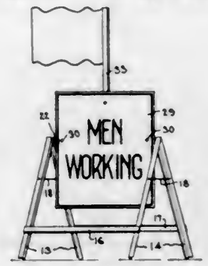
to said anodes respectively, a potential source connected between said cathode and the common terminal of said inductors, and means for varying the current supplied by said source at a modulating frequency.

1,983,173
PRESSURE CIRCULATOR AND SCALDER
Aage Jensen, Los Angeles, Calif.
Application September 30, 1930, Serial No. 485,409
2 Claims. (Cl. 126—370)



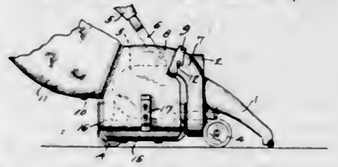
1. In a circulating heating means of the character described, a surge chamber adapted to contain a heating liquid, pump means above said surge chamber adapted to pump the liquid from the lower part of said surge chamber, a heating chamber adapted to receive said liquid from said pump, a heat treatment means, a conduit connecting the outlet of said heating chamber with said treatment means, a conduit connecting said treatment means with said surge chamber at a point substantially above the bottom thereof, a valve in said first-mentioned conduit, a by-pass connecting said first-mentioned conduit at a point between said heating means and said valve with said second conduit, a valve in said by-pass, a valved outlet in said by-pass, a priming conduit connected with said surge chamber at a point substantially above the bottom thereof, a priming valve in said priming conduit, a steam nozzle in said heating chamber for supplying steam heat to the liquid therein, and thermo-sensitive means operable by the temperature of the liquid to control the flow of steam to said nozzle.

1,983,174
SIGN STANDARD
William Joerger, Glendale, John S. Sheehan, Cincinnati, and Fred J. Jones, Middletown, Ohio
Application July 26, 1933, Serial No. 682,294
4 Claims. (Cl. 40—138)



4. In a sign, pairs of supporting legs formed of angle iron with the inner angles facing each other, a cross member provided with bent in end flanges, a pivot received through said end flanges and each pair of legs, a sign secured to said cross member, chains attached to each pair of legs, cross braces secured to the respective legs of each pair of legs spaced from the base of said legs and the whole arranged whereby upon tipping of said sign the respective legs of one pair of legs will fold within the other pair of legs.

1,983,175
SUCTION CLEANER
James B. Kirby, West Richfield, Ohio, assignor to Industrial Improvements Incorporated, Cleveland, Ohio, a corporation of Ohio
Application July 11, 1930, Serial No. 467,318
9 Claims. (Cl. 183—36)

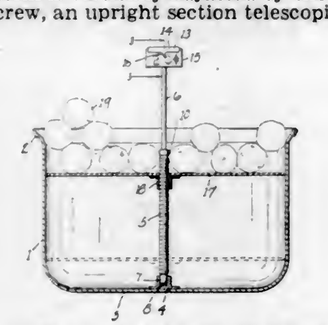


4. A dust receptacle for a suction cleaner of the type having a fan case and a motor housing arranged one behind the other in the order named and with the discharge outlet of the fan case at one side of the motor housing, the fan case being substantially coaxial with the motor housing and extending radially beyond the same; said receptacle comprising a dust box located in the space behind the fan case and alongside of the motor housing with its bottom closely adjacent to the working surface and below the outlet of the fan case, said dust box having a pair of openings in its upper part one of which is connected in communicating relation with the outlet of the fan case, and a porous dust filter connected to the other opening of said dust box, said dust box having a detachable bottom wall part hinged thereto for emptying the litter accumulated therein with the cleaner in working position.

1,983,176
DISPLAY RECEPTACLE
Jacob Klomparens, Holland, Mich.
Application May 27, 1933, Serial No. 673,189
4 Claims. (Cl. 220—93)

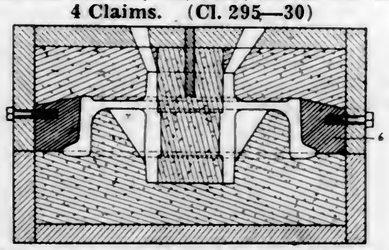
1. The combination with a receptacle, there being a central vertical bearing on the bottom of said receptacle, a screw rotatably supported in

said bearing and having a vertical bore at its upper end, a disk-like false bottom vertically movable within said receptacle and having a central nut coacting with said screw whereby the false bottom is vertically adjusted by the rotation of the screw, an upright section telescopingly ad-



justable in said bore and having a longitudinal groove therein, and a set-screw on said screw engaging said groove in said upright for securing it in its adjusted position and preventing rotation thereof within said screw, said upright having a handpiece on its upper end, there being a display card holder on said handpiece.

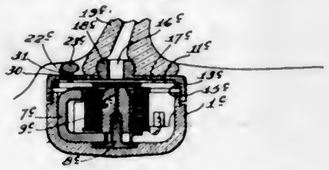
1,983,177
MINE CAR WHEEL
Arthur L. Lee, Gibsonia, Pa.
Application January 16, 1933, Serial No. 651,902
4 Claims. (Cl. 295—30)



1. A wheel for mine and industrial cars made as an integral casting and comprising a hub, a felly of substantially uniform mass throughout its circumferential extent, a disk interconnecting the hub and felly; the disk being positioned adjacent the outer edge of the felly and in the main outwardly beyond the inner rail-contacting region of the felly, the disk in its connection with the felly providing the entire area of contact and connection with the felly by the wheel elements lying radially inward of the felly, and reinforcing ribs extending between the hub and the disk, said wheel having a chilled tread comprised by the felly and which tread has its depth of chill approximately uniform circumferentially of the felly and greater in the rail contacting region of the tread transversely beyond the region of disk contact with the felly.

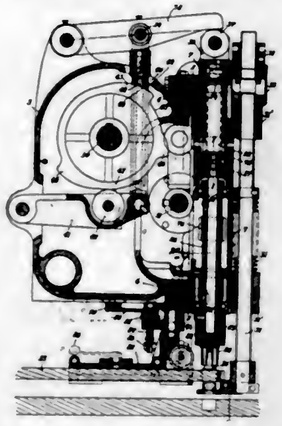
1,983,178
EARPHONE
Samuel F. Lybarger, Mount Lebanon, Pa., assignor to E. A. Myers & Sons, Mount Lebanon, Pa., a partnership composed of Edward A. Myers and Edwin J. Myers
Application May 22, 1933, Serial No. 672,199
8 Claims. (Cl. 179—107)

2. A hearing device for the deaf, comprising a casing, electromagnetic means mounted in said casing and adapted to be connected in a unitary ear-phone circuit, means operated by said electromagnetic means for setting up vibrations in accordance with current variations to which said electromagnetic means may be subjected, air means for transmitting said vibrations to the middle ear of a user, and mechanical means in the form of an applicator operated by said electromagnetic means for transmitting said vibrations by way of the bone structure surrounding a user's ear to his inner ear.



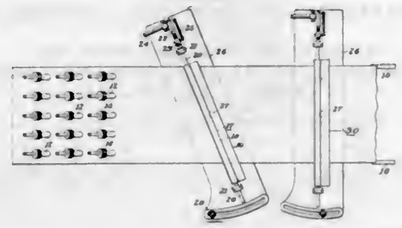
8. A hearing device for the deaf, comprising in combination an air-wave transmitting type of receiver and a bone-conduction type of receiver adapted to operate with conjoint effect upon the auditory nerves of a person afflicted with defective hearing, said bone-conducting transmitter being provided with operating characteristics adapting it to operate most efficiently on those frequencies most greatly attenuated by lesions in the middle ear and the air-wave transmitter with operating characteristics which adapt it to operate most efficiently on those frequencies which are not so greatly attenuated in the middle ear.

1,983,179
MACHINE FOR BORING AND PLUGGING HOLES IN WOOD
Gottfried Maurer, Zurich, Switzerland
Application September 20, 1933, Serial No. 690,210
In Germany September 21, 1932
5 Claims. (Cl. 144—2)



1. A machine for boring and plugging holes in wood, comprising a frame, a horizontally moving carriage in said frame, a pair of vertical, rotatable and axially displaceable spindles mounted in juxtaposition in said carriage, means for shifting the carriage to bring either spindle into the same operative position, means for rotating the spindles, means for imparting axial reciprocation to the spindles, a boring tool secured to one spindle, a plug cutting tool secured to the other spindle, a table for supporting the work under the spindles, means for feeding a wooden slat to the plug cutting tool, and means for forcing the plugs made by the latter from said slat into the holes made by the boring tool.

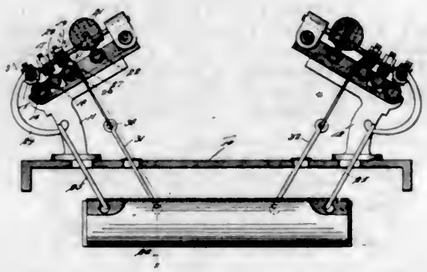
1,983,180
MANUFACTURE OF SURFACE COVERINGS
J. Clarence McCarthy, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 21, 1930, Serial No. 497,313
23 Claims. (Cl. 91—68)



11. Apparatus for the manufacture of patterned surface coverings comprising a doctor blade adapted to engage material moving thereunder, means for reciprocating the doctor blade, and means for varying the direction of movement of the doctor blade relative to the direction of movement of the material.

21. In the manufacture of surface coverings, the steps consisting in applying wet color to a backing, engaging the wet color with a doctor blade and effecting relative lateral and longitudinal movement between the backing and the doctor blade so as to spread the color and, while the spread color is still wet, again mechanically engaging the same and further spreading it.

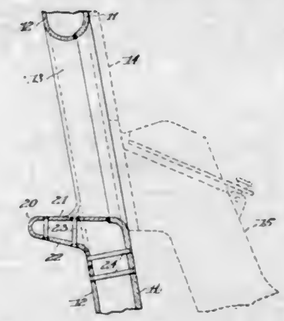
1,983,181
SPINNING FRAME
Charles Morton, Providence, R. I.
Application October 28, 1931, Serial No. 571,517
8 Claims. (Cl. 19—135)



1. In a spinning frame, groups of aligned front, intermediate and back pairs of draft rolls, independent means below said frame for weighting the upper rolls of each front pair of rolls, a hanger suspended from an upper pair of back rolls having arms straddling the front weighting means, and weights secured to the arms for weighting said back rolls.

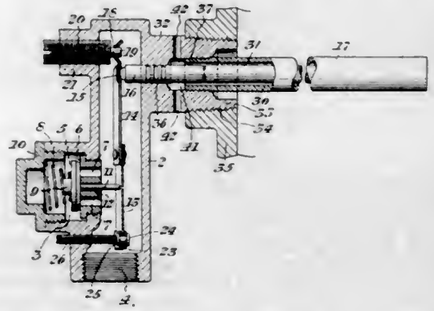
1,983,182
BOILER CONSTRUCTION
Robert J. Needham, Toronto, Ontario, Canada, and Howard C. Woodbridge, Rochester, N. Y.
Application June 12, 1934, Serial No. 730,280
10 Claims. (Cl. 122—4)

3. A boiler for use with a mechanical stoker, comprising a back head and a door sheet forming between them a water leg and provided with a fire door opening, said door sheet being formed to provide, adjacent the bottom of said fire door opening, an overhanging shelf having a substan-



tially flat top extending forwardly a material distance into the fire box.

1,983,183
VALVE
Robert E. Newell, Irwin, and John A. Robertshaw, Greensburg, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application April 22, 1933, Serial No. 667,488
12 Claims. (Cl. 236—48)

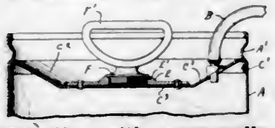


1. A control device comprising a trough-shaped flexible element, means for actuating said element, a stop member adjacent one end of said flexible element and adapted to limit the movement thereof, and control means between said actuating means and said stop member adapted to be operated by the flexing of said element by the actuating means.

1,983,184
METHOD OF MAKING BEARINGS AND BEARING MATERIALS
Charles F. Noftzger, Chicago, Ill.
No Drawing. Application February 12, 1932, Serial No. 592,659
5 Claims. (Cl. 308—242)

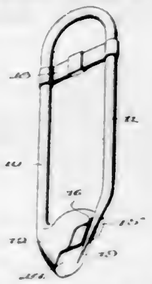
1. The method of making bearings, which comprises melting wax, mixing the melted wax with sericite schist, cooling the mixture, pulverizing the product, mixing pulverized lead with the pulverized mixture of wax and sericite schist, dissolving a phenolic binder with a solvent, mixing the dissolved binder with the pulverized material, heating to evaporate the solvent, pulverizing the resulting product, and molding under heat and pressure.

1,983,185
FILLING TOP FOR SPRAYER TANKS
John L. Novak, Traverse City, Mich., assignor to Acmeline Manufacturing Company, Traverse City, Mich., a corporation of Michigan
Application October 14, 1933, Serial No. 693,564
5 Claims. (Cl. 220—66)



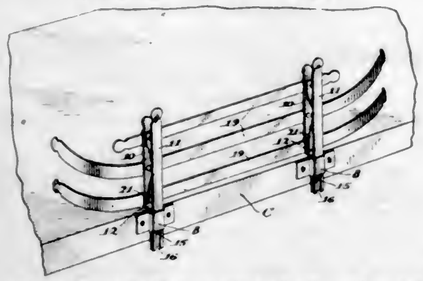
1. In combination with a generally cylindrical tank, an end wall therefor adapted to facilitate the filling thereof by protectively shielding material in process of introduction thereinto from dispersive wind influence, comprising a centrally apertured member contoured into truncated conical form with its edges secured to the side wall of the container adequately below the top edge thereof to cooperatively therewith form a bowl which constantly serves to guide material poured thereinto toward the central aperture.

1,983,186
SAFETY PIN
Lee Novat, Fort Smith, Ark.
Application May 19, 1933, Serial No. 671,921
8 Claims. (Cl. 24—150)



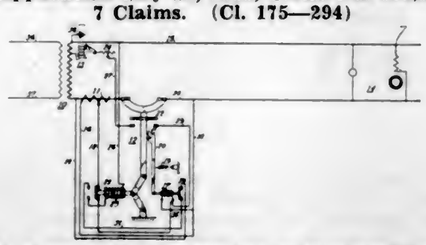
1. A safety pin comprising a body portion, a guard on said body, and a spring pin member opening away from said body portion and adapted to bear against the outer surface of said guard, said body and pin members being tensioned toward each other to hold the pin member against the guard in normal position.

1,983,187
COUNTER SET-UP RACK
Benjamin M. Oswell, Los Angeles, Calif.
Application April 23, 1934, Serial No. 721,912
5 Claims. (Cl. 312—140.4)



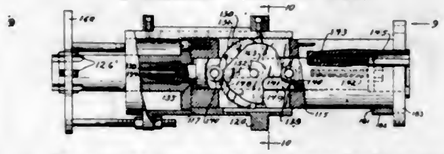
1. In a counter set-up rack, a pair of uprights, each comprising a pair of members, means for anchoring the lower portions of said uprights to the edge of a counter, one member of each upright having a shoulder that rests on top of the counter, a spring arranged between the members of each upright and connected to one of said members and a series of horizontally disposed rails connected to one member of each upright.

1,983,188
PROTECTIVE SYSTEM FOR ELECTRICAL CIRCUITS
Ralph R. Pittman, Pine Bluff, Ark.
Application July 21, 1933, Serial No. 681,533
7 Claims. (Cl. 175—294)



1. A protective system for an electrical circuit comprising a circuit-breaker arranged to energize said circuit from the low tension winding of a transformer at a normal potential difference to ground, a closing coil associated with said circuit-breaker, a tap on said low tension winding between the ends thereof, means including a current responsive element for opening said circuit-breaker in response to the occurrence of an excess-current condition in said circuit, switch means responsive to an opening movement of said circuit-breaker for connecting said circuit to said tap in series circuit relation with said current responsive element and a portion of said low tension winding, and means dependent upon the current in said current responsive element for energizing said closing coil.

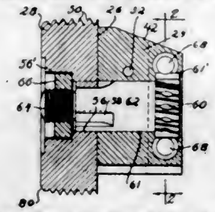
1,983,189
THREAD CUTTING TOOL
Albert J. Prance, Detroit, Mich., assignor to Murchey Machine & Tool Company, Detroit, Mich., a corporation of Michigan
Application June 13, 1932, Serial No. 616,942
4 Claims. (Cl. 10—145)



1. In a thread-cutting device, a body portion, a chaser radially slidable therein, means including a plunger element longitudinally slidable in the body for moving the chaser in either direction, an anti-friction element carried by the plunger element, a rockable cam engageable with said anti-friction element, a cooperating gear and rack for rocking said cam, and means extending outside and movable longitudinally of the body for moving the rack upon advance of the tool with respect to its work.

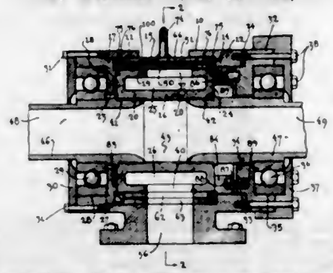
1,983,190
THREAD CUTTING TOOL
Albert J. Prance, Detroit, Mich., assignor to Murchey Machine & Tool Company, Detroit, Mich., a corporation of Michigan
Application July 28, 1932, Serial No. 625,313
6 Claims. (Cl. 10—103)

1. In a chaser head construction, a chaser block, a chaser shaft journaled in the block and having an end exposed at the front of the block, a chaser, screw-threaded securing means for securing the chaser upon the front of the block and to said end of the shaft, said securing means being accessible from the front of the chaser and



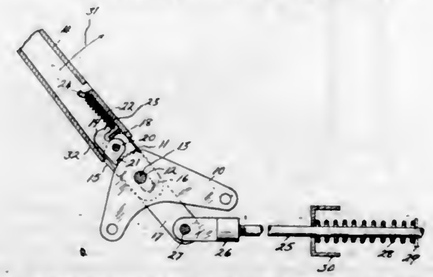
being adapted when tightened to clamp the chaser against the block, and means for rotating the chaser to adjust the position of its cutting edges, said means including a worm wheel attached to said chaser shaft, and a worm carried by the block and engaging the worm wheel.

1,983,191
VALVE STRUCTURE
Earl E. Price, Minneapolis, Minn.
Application March 10, 1930, Serial No. 434,627
10 Claims. (Cl. 60—44)



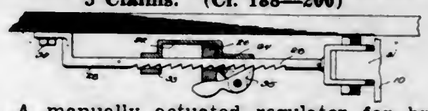
1. In combination with a case having a cylindrical bore, a sleeve movable within said bore, said sleeve also having a cylindrical bore, a core independently movable within the bore of said sleeve, said case, sleeve and core having ports adapted to come into register upon movement of said sleeve and core, said sleeve being constructed with an inner shell and an outer shell yieldingly engaging the outer and inner surfaces respectively of said core and case, and means between said shells forming a seal between the various ports in said sleeve.

1,983,192
BRAKE ACTUATING LEVER
Walter S. Saunders and Thomas A. McGregor, Pontiac, Mich., assignors to The American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan
Application January 28, 1932, Serial No. 589,419
8 Claims. (Cl. 74—536)



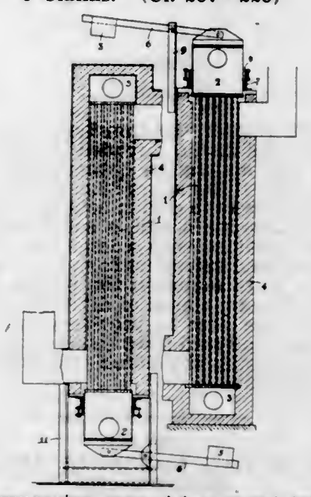
1. In a brake controlling mechanism, a fulcrum pin, a handle lever having a slotted portion through which the pin extends, said pin and slot connection forming the only fulcrum for said lever, whereby said lever is swingable about and also bodily movable laterally of the pin, a brake lever independently pivoted on said pin, pawl and ratchet means partly carried by the lever for locking said lever in desired angular positions, and means including a portion of the handle lever engageable with the pawl to release the same upon lateral shifting of the handle lever to one position, said portion being engageable with the brake lever but not the pawl when the handle lever is shifted to another position, to enable swinging the brake lever by means of the handle lever without interfering with the operation of the pawl.

1,983,193
REGULATOR FOR BRAKE RIGGING
William H. Sauvage, New York, N. Y., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y., a corporation of Delaware
Application June 10, 1929, Serial No. 369,812
5 Claims. (Cl. 188—200)



1. A manually actuated regulator for brake rigging comprising a normally fixed ratchet rod, a member embracing said rod at two separated points, a lever cooperating with said rod and mounted between said two points, the effective distance between one point and said lever being proportional to brake shoe clearance, and a pawl cooperating with said ratchet rod normally held in locked position by said lever when the parts are in normal position of rest.

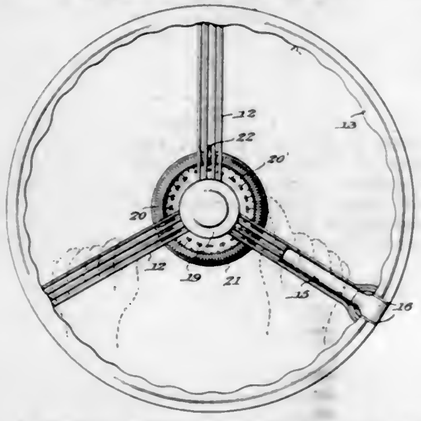
1,983,194
RECUPERATOR
Alfred Schack, Dusseldorf-Oberkassel, Germany, assignor to Rekuperator, Gesellschaft mit beschrankter Haftung, Dusseldorf, Germany
Application September 30, 1932, Serial No. 635,551
In Germany October 15, 1931
5 Claims. (Cl. 257—225)



1. A recuperator comprising metal tubes, terminal headers one of which is immovable and the other of which is movable in the direction of the axis of the tubes, and balancing means applied to the movable header through which means

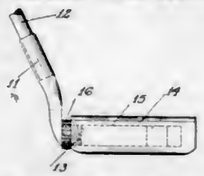
a counter force, which practically balances the action of gravity or the dead weight of the axially movable header and tubes, is exerted.

1,983,195
STEERING WHEEL
Sam Seiler, Clermont, Fla.
Application July 31, 1934, Serial No. 737,861
9 Claims. (Cl. 74—557)



1. A steering wheel comprising a hub and a rim, spokes connecting the hub and rim, and a handle pivoted upon said rim whereby said handle may be collapsed within the plane of the rim, the pivotal portion of the handle being of the same diameter as the rim whereby a smooth rim surface is presented when the handle is collapsed.

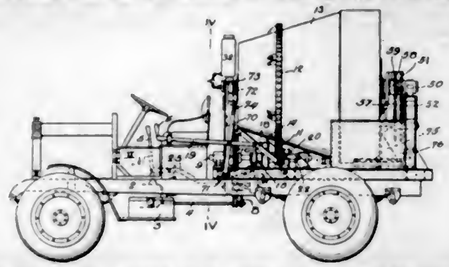
1,983,196
GOLF CLUB
William C. Spiker, Atlanta, Ga.
Application August 13, 1931, Serial No. 556,873
7 Claims. (Cl. 273—77)



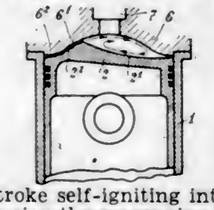
1. A golf club of the iron type comprising a shank provided with a threaded stud at its lower end, the stud making an obtuse angle with the shaft whereby it lies approximately parallel with the ground when the club is held in normal position for addressing a ball, a substantially block type head provided with a large bore tapped at its open end and extending from the heel to near the toe so as to maintain the proper weight of the head, filling material of different weight distributed in the bore to provide proper balance for the club, and said head being secured to said shank by screwing the shank stud into the open end of said bore.

1,983,197
ART OF MIXING CONCRETE AND OTHER SUBSTANCES
Hugo O. Stamp, Pittsburgh, Pa.
Application August 8, 1931, Serial No. 555,987
3 Claims. (Cl. 83—73)

1. The herein described method of determining the consistency of material being mixed within a revolving drum, which consists in effecting the mixing of the material by rotation of the drum, stopping the said rotation of the drum and leaving it free to come to a position of repose upon its own axis and registering the reverse swing of the drum as it comes to repose.

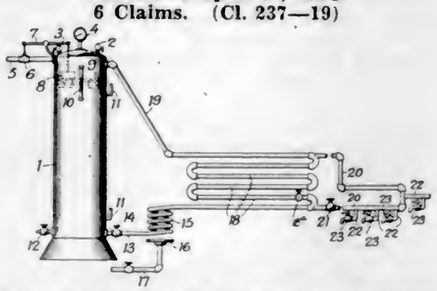


1,983,198
TWO STROKE SELF-IGNITING INTERNAL COMBUSTION ENGINE
Walther Steiger, Bern, Switzerland
Application February 8, 1932, Serial No. 591,719
In Germany February 9, 1931
1 Claim. (Cl. 123—191)



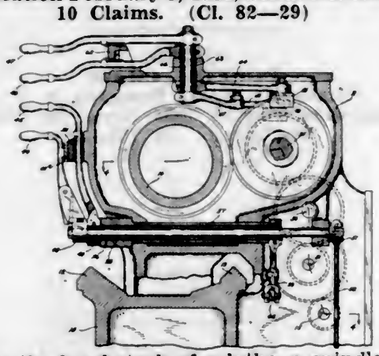
In a two-stroke self-igniting internal combustion engine having the scavenging ports arranged underneath the exhaust ports to produce a rotating eddying movement, the combination, a cylinder head formed with a calot-shaped central excavation and a convex border surface joining the cylindrical wall of the cylinder and a piston face formed with a curved-up portion extended from the port side beyond the center of the piston, the remaining portion of the piston face being shaped to fit the opposite portion of the cylinder head.

1,983,199
CIRCULATING WATER HEATER
Roy Lee Stith, Locust Grove, Okla.
Application May 5, 1932, Serial No. 609,451
Renewed April 26, 1934
6 Claims. (Cl. 237—19)



1. In a combined hot water heating system, a water storage tank; an outlet at the bottom of the tank; a heating coil connected to the outlet, circulating heating coils rising progressively from the upper end of the heating coil and returning to the upper portion of the tank; and means for heating the heating coils.

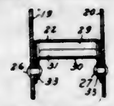
1,983,200
CONTROL FOR MACHINE TOOLS
John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application February 9, 1931, Serial No. 514,649
10 Claims. (Cl. 82—29)



1. In the head stock of a lathe, a spindle, and means for controlling the rotation of said spindle, comprising more than two control members certain of which have their supports on one side of said spindle and another of which has its support on the other side of said spindle with the supports of all the control members arranged in substantially a plane extending transversely of the head near the end thereof adjacent the machining operation.

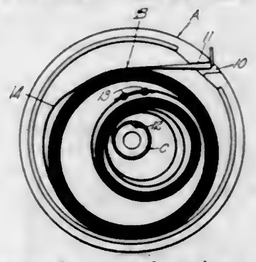
6. In the head stock of a lathe, a chamber and a spindle extending therethrough, and means for controlling the starting and stopping, the direction of rotation, and the rate of rotation of said spindle located partly within the chamber and partly without the chamber, comprising more than two control members certain of which project into said chamber on one side of said spindle and the remainder of which pass through said chamber on the other side of said spindle, the supports of all of said control members being arranged in substantially a plane extending transversely of the head near the end thereof adjacent the machining operation, said control members having handle portions extending beyond the front face of the head and grouped in substantially the same plane.

1,983,201
ROTARY BLOWER BLADE
Willem van Rijswijk, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application March 7, 1932, Serial No. 597,158
In Germany March 7, 1931
5 Claims. (Cl. 230—134)



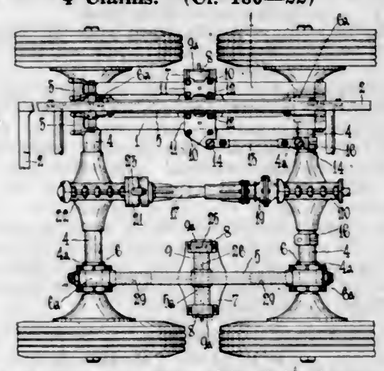
1. An impeller wheel for rotary blowers or compressors comprising hub portions, disks secured on said hub portions and extending in spaced relation therefrom, a plurality of blades arranged between said disks and extending substantially radially thereof, the surfaces of each of said blades being formed of a plurality of substantially U-shaped members nested one within the other in spaced relation, means arranged between and joining the U-shaped members, and means common to both the U-shaped members for securing the same to said disks.

1,983,202
COILABLE MEASURING RULE
Frederick A. Volz, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application February 10, 1933, Serial No. 656,114
6 Claims. (Cl. 33—137)



1. A transversely curved spring rule adapted to be formed into a substantially spirally wound coil and having an inherent tendency to assume a rectilinear rod-like state, said rule having adjacent but spaced from its outer or free end a portion of a lesser tendency to assume its natural transverse curvature when bent longitudinally.

1,983,203
FLEXIBLE FOUR WHEEL DRIVE FOR MOTOR VEHICLES
Richard Whitford, Palmerston North, New Zealand
Application March 2, 1933, Serial No. 659,430
In New Zealand March 3, 1932
4 Claims. (Cl. 180—22)

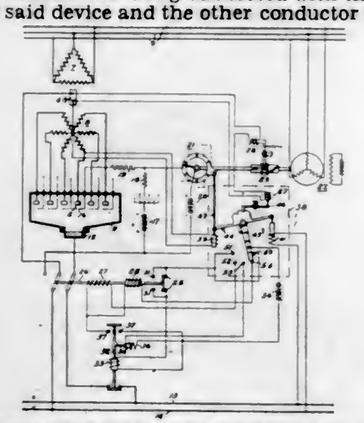


3. A mounting as claimed in claim 1 comprising a drive shaft between the axles, differential gearings for transmitting the power from the drive shaft to the axles, a telescopic torque tube between the axle housings enclosing the drive shaft, a ball and socket joint for securing the torque tube to the forward axle housing and a hinged joint for securing the torque tube to the rear axle housing.

1,983,204
RECTIFIER CONTROL SYSTEM
Stefan Widmer and Gustav Brunner, Baden, Switzerland, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application November 25, 1932, Serial No. 644,283
In Germany December 29, 1931
12 Claims. (Cl. 175—363)

1. In an electron discharge device control system, an alternating current line, an electron discharge device having anodes with associated control electrodes and a cathode, a transformer con-

necting the anodes with the line, means for applying a potential to the control electrodes to control operation of the anodes of said device, a direct current line, one of the conductors of said direct current line being connected with the cathode of said device and the other conductor thereof



being connected with said transformer, means for interrupting said direct current line, means for reversing the connections of said direct current line, and means for controlling operation of the last two said means in response to the relative potential conditions of said lines.

1,983,205

STAINLESS COPPER BASE ALLOY

Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

No Drawing. Application May 31, 1933, Serial No. 673,768

12 Claims. (Cl. 75—1)

1. Stainless hot and cold workable so-called white metal alloys containing copper, nickel, chromium, manganese and zinc, the copper, nickel, chromium and manganese being within the following approximate ranges: copper 65 to 90%, nickel 5 to 22%, chromium 0.5 to 5%, and manganese 0.25 to 5%; in all instances the sum of the copper and nickel being between approximately 80 and 95% and a substantial amount of zinc being present, the zinc constituting substantially the balance of the alloy in respect to the other metals mentioned.

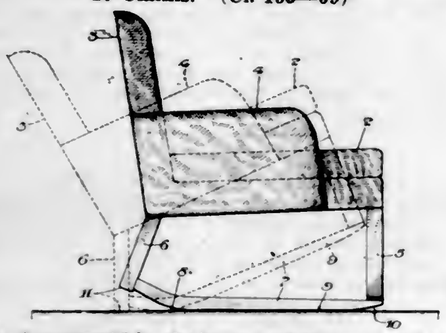
1,983,206

ROCKING CHAIR

Charles C. Witzel, Brooklyn, N. Y.

Application February 8, 1933, Serial No. 655,706

10 Claims. (Cl. 155—69)



4. A convertible chair comprising a seat having depending front and rear legs, a pair of rockers connecting the lower ends of said legs and terminating thereat and not projecting substantially beyond the seat base and extending under the front legs, each of said rockers having a comparatively short rear curved portion terminating a relatively long straight portion, the curved portion extending upwardly and joining the rear leg above the terminus thereof.

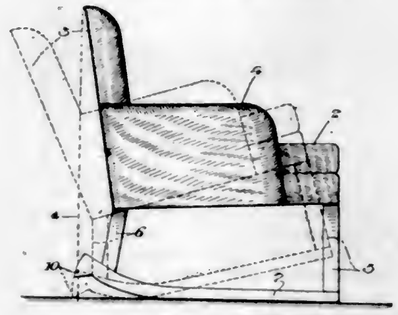
1,983,207

ROCKING CHAIR

Charles C. Witzel, Brooklyn, N. Y.

Application May 10, 1934, Serial No. 724,847

12 Claims. (Cl. 155—69)



11. An article of manufacture comprising a body having a plurality of depending supports, rocker elements carried by said supports, each of said rocker elements having no movable parts and comprising an elongated straight middle portion and at each end an upwardly curved portion, said rocker elements having a part projecting therebelow adjacent the terminus of each upwardly curved portion to form a stop and to stabilize the article in tilted position whereby the article may be used normally as a straight article, a rocking article or a reclining or tilting article.

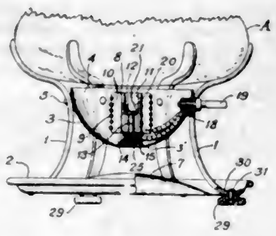
1,983,208

COFFEE MAKER

Anne M. Boever, Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut

Application March 17, 1930, Serial No. 436,499

53 Claims. (Cl. 219—43)



1. An automatic infusing stove for vacuum type coffee makers including a quick cooling structure having coffee maker bowl supporting means and an air space below a bowl thereon and communicating laterally with the atmosphere from beneath said bowl, electric resistance means delivering into said air space and out of contact with a bowl on said supporting means, and infusion controlling passage forming means for automatically effecting a normal infusion following cessation of current flow and while a bowl is on said supporting means.

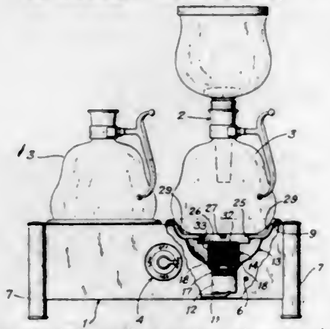
1,983,209

ELECTRIC COFFEE MAKER

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut

Application November 25, 1930, Serial No. 498,053

28 Claims. (Cl. 219—43)



1. In an electric coffee maker stove, quick cooling bowl heating and supporting means presenting a resistance element and an article support above said element, and a bowl housing said element and said support therein.

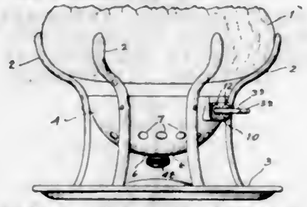
1,983,210

ELECTRIC COFFEE MAKER

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut

Application January 15, 1932, Serial No. 586,811

39 Claims. (Cl. 219—43)



1. In a coffee maker, a bowl, heater carrying skeleton grid forming means distributed over and disposed in said bowl, and resistance means carried by said grid forming means below the grid surface thereof.

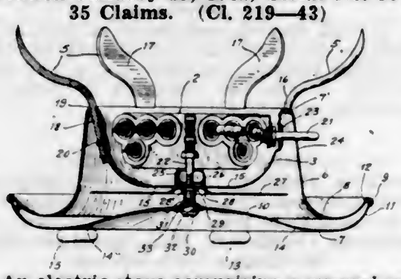
1,983,211

ELECTRIC STOVE

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut

Application January 15, 1932, Serial No. 586,810

35 Claims. (Cl. 219—43)



1. An electric stove comprising a cupped casing member, a heating element in the top thereof, bowl supporting means above said member having free lateral communication with the atmosphere between an article on said means and said heating element, and a cooperating casing member forming the bottom of said member and having its bottom spaced from the bottom of said cupped member.

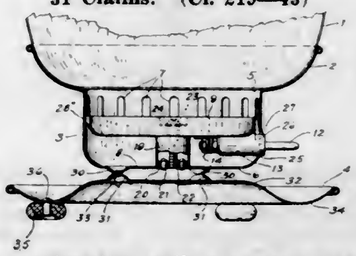
1,983,212

COFFEE MAKER

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut

Application July 29, 1932, Serial No. 626,003

31 Claims. (Cl. 219—43)



1. In combination with a vacuum type coffee maker having operatively connected upper and lower bowls, a support having a rim supporting the lower bowl thereof, electric heating means in said support spaced below said rim and also out of contact with said bowl, and means for providing upon cessation of current flow a quick cooling air flow above said heating means and laterally therefrom to the atmosphere beneath said rim while said bowl is thereon.

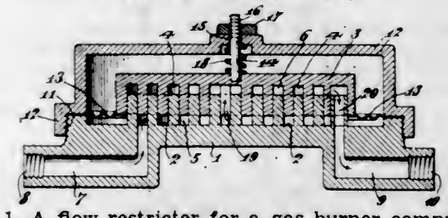
1,983,213

GAS BURNER CONTROL

Edward J. Brady, Lansdowne, and Edwin L. Hall, Philadelphia, Pa.; Adele S. Brady, administratrix of said Edward J. Brady, deceased, assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 24, 1933, Serial No. 681,936

5 Claims. (Cl. 158—115)



1. A flow restricter for a gas burner comprising, the combination of elements relatively adjustable in respect to each other and having between them a circuitous gas way defined by walls movable in respect to each other to increase and decrease the cross-sectional area of the circuitous gas way when said elements are adjusted, a gas inlet at one end of the circuitous gas way, and a gas off take at the other end of the circuitous gas way.

1,983,214

APPARATUS FOR GRINDING AND STROPPING HOLLOW GROUND RAZOR BLADES

Lukas Brylski, Mikultschutz, Germany

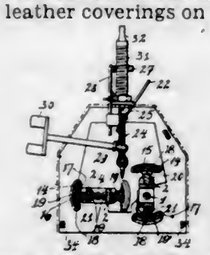
Application April 19, 1932, Serial No. 606,202

In Germany May 2, 1930

1 Claim. (Cl. 51—81)

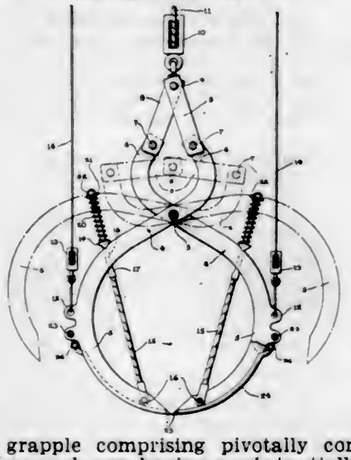
An apparatus for grinding and stropping hollow razor blades, comprising in combination a frame, two parallel rotatable grinding bodies mounted in said frame, two diametrically opposite curved segments situated one on each side of

each of said grinding bodies on the circumference of concentric circles of different diameters, spring supporting means of different strengths for said segments those for the segments on the circumference of the larger circle being stronger than those for the segments on the circumference of the smaller circle, smooth leather coverings on the segments on the circumference of the larger circle, rough leather coverings on the segments on



the circumference of the smaller circle, means for rotating said grinding bodies, and a blade holder vertically adjustable in said frame adapted to bring the blade into contact with both segments on each of said grinding bodies so that the blades are alternately ground and stropped and to lift the blade relative to said grinding bodies so that only the smooth coverings on the segments on the circumference of the larger circle come into contact with the blade and only strop the blade.

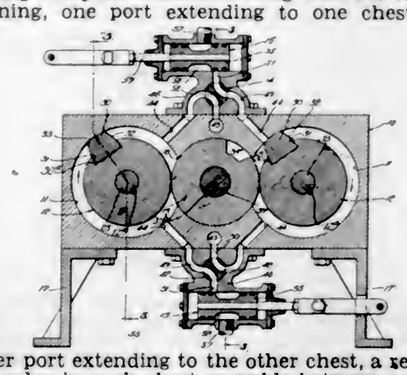
1,983,215
SALVAGING GRAPPLE
Claude Byler, Buffalo, Wyo.
Application January 10, 1933, Serial No. 651,040
8 Claims. (Cl. 114—55)



1. A grapple comprising pivotally connected tong arms, each arm having a substantially semicircular portion terminating in a tip, and a flexible reinforcing member extending across the curved portion of each arm and having one of its ends secured to the arm adjacent its tip, and its other end portion connected to the arm at a point spaced from the tip, said reinforcing member consisting of a flexible cable provided at one end with a coiled spring functioning to keep the cable taut.

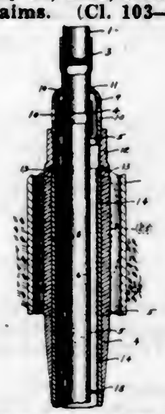
1,983,216
ROTARY STEAM OR FLUID MOTOR
Samuel C. Carter and Frank H. Metke, Glendale, Calif.
Application August 28, 1933, Serial No. 687,135
8 Claims. (Cl. 121—71)

8. A motor of the character described including, a body having a central bore, an opening parallel with and joining the central bore, and a second opening parallel with and joining the central bore, rotors in the first and second openings, a vane on each rotor, a member rotatable in the central bore and engaging the rotors, the member having a groove for receiving the vanes, spaced valve chests, each having an inlet and an exhaust, the body having two ports communicating with the first opening, one port extending to one chest the other to the other chest, and having two ports communicating with the second opening, one port extending to one chest the



other port extending to the other chest, a reversing valve in each chest operable between a position where it connects one of the ports communicating with the chest with an inlet and connects the other port communicating with the chest with an exhaust and a position where the relation of the ports with the inlet and exhaust are reversed, control valves governing the inlets, reversible valve gear operating the valves, and a timing connection between the rotors and said member.

1,983,217
WELL FLOWING APPARATUS
William L. Clark, Oklahoma City, Okla.
Application July 31, 1934, Serial No. 737,717
11 Claims. (Cl. 103—232)

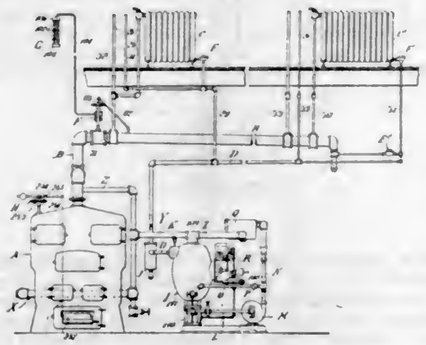


1. In well flowing apparatus, a tubular body having an outlet and an inlet, a packing element for sealing between the body and a well casing, and fluid means for removing settlings from around the packing element.

1,983,218
HEATING SYSTEM
Clayton A. Dunham, Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application October 18, 1923, Serial No. 669,363
47 Claims. (Cl. 237—9)

1. In heating apparatus, the combination of a generator, a radiating system, supply and return pipes, a water tank, a hurling water circuit under boiler pressure comprising a pump and jet exhauster for withdrawing medium from the return pipe and introducing condensate into the generator, and means for starting and stopping the operation of the pump in response to a decrease or increase, respectively, in the pressure differential between the tank and hurling water circuit.

4. In an automatically regulated heating system, the combination of heating units each having a restricted inlet opening so proportioned that the quantity of heat carrying medium admitted to the unit can be regulated by variations in pressure in the heat carrying medium, a pressure regulator for varying the pressure in the heat carrying medium, and a temperature controlled regulator for automatically controlling said pressure regulator.

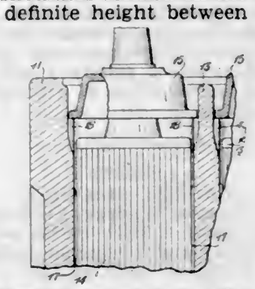


16. In a steam heating system, the combination with a source of steam supply, a plurality of radiators, and supply and return piping: of a receiver for water of condensation; an exhausting apparatus for withdrawing air and condensate from the radiators and return piping and discharging condensate from said receiver; a differential controller for the exhausting apparatus for maintaining a controlled differential between the pressures in the supply and return piping; and a second controller for the exhausting apparatus which operates in response to differences in water level in the receiver, said exhausting apparatus being started by operation of either controller but stopped only when both controllers are in their stopping positions.

23. In a steam heating system, the combination with a source of steam supply, a plurality of radiators, and supply and return piping: of steam traps at the outlets of said radiators; means comprising an exhausting mechanism for maintaining a controlled differential between the pressures in the supply and return piping, means comprising a valve actuated by pressure in the supply piping for controlling the flow of steam to the radiators, and a thermostat acting on said valve in a manner to meet varying heat requirements of the system.

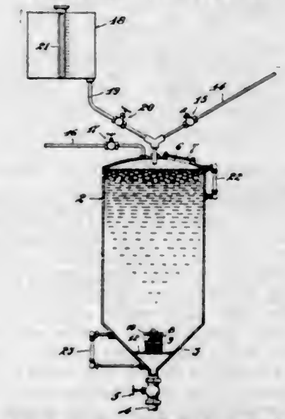
1,983,219
STORAGE BATTERY CONTAINER
Carl J. Dunzweiler, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 24, 1933, Serial No. 662,546
4 Claims. (Cl. 136—166)

1. A storage battery container comprising a body portion and a cover, the body portion having a cell with opposite sides thereof thinned at the top to receive the cover and having substantially horizontal shoulders formed on the thinned portions at a definite height between the top and



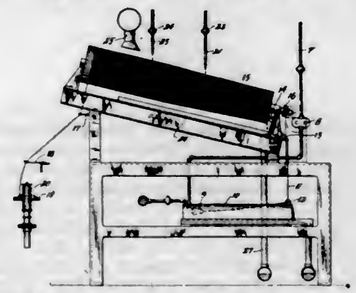
bottom of the thinned portions, the cover resting on said shoulders.

1,983,220
METHOD OF REFINING PETROLEUM OIL DISTILLATES
John D. Fields, Los Angeles, Calif.
Application March 18, 1933, Serial No. 661,471
9 Claims. (Cl. 196—23)



7. In a process for refining petroleum oil distillates, the step which consists in adding a small volume of a solution of halogen salts to a large bulk of distillates containing a relatively small amount of solid alkali metal.

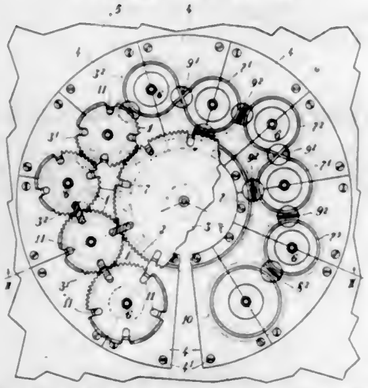
1,983,221
CONTINUOUS PROCESS AND APPARATUS FOR MAKING RAYON
William H. Furness, National Park, N. J., assignor to Furness Corporation, Gloucester, N. J., a corporation of New Jersey
Application January 15, 1931, Serial No. 508,840
24 Claims. (Cl. 18—8)



1. Apparatus for use in manufacturing thread including a rotating drum set at an angle with

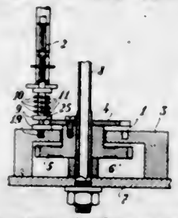
respect to the horizontal and adapted to receive the thread at a point toward its lower end, means for advancing the thread along the drum in a helical path toward the upper end of the drum, and means adapted to deliver a treating liquid to the thread on the drum at a point above the point first mentioned.

1,983,222
BRAIDING MACHINE
Alfred Gamba, Wildegg, Switzerland
Application April 4, 1934, Serial No. 718,987
In Switzerland December 9, 1932
2 Claims. (Cl. 96—12)



1. In a braiding machine the combination of driving gears having a notched circumference for the spool carriers and each cooperating with a circular raceway said combination comprising a central driving gear, and two groups of mutually intermeshing drivers arranged around said central wheel on two concentric circles of different diameter, only the wheels of the smaller circle meshing also with the central wheel, and interchangeable rotatable switch plates of a cross type and a compound type inserted between the raceways of intermeshing gears and adapted to include or exclude the adjoining raceway according to the adjusting of said switches.

1,983,223
BRAIDING MACHINE
Alfred Gamba, Wildegg, Switzerland
Application April 4, 1934, Serial No. 718,988
In Switzerland December 9, 1932
6 Claims. (Cl. 96—12)



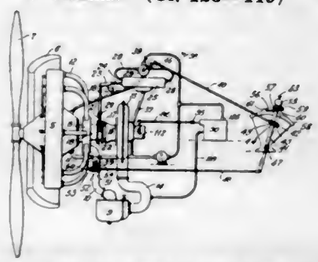
1. In an arrangement of raceways for braiding machines and in combination, a base plate and supporting posts fixed to said base plates, driving gears having quoit plates attached thereto and mounted rotatably on said posts, and bobbin carriers adapted to be guided by said quoit plates, circular plates fixed to the base plate concentrically to the supporting posts and provided with circular raceways, exchangeable trip fingers provided on the base portions of said carriers, vertical journalled axles established near the crossings of the raceways, and switch tongues fast to said axles, and removable trip fingers clamped between washers on said axles and adapted to be engaged by the trip fingers of the carriers to determine the path travelled by the carriers.

1,983,224
BRAIDING MACHINE
Alfred Gamba, Wildegg, Switzerland
Application April 4, 1934, Serial No. 718,990
In Switzerland December 28, 1932
1 Claim. (Cl. 96—19)



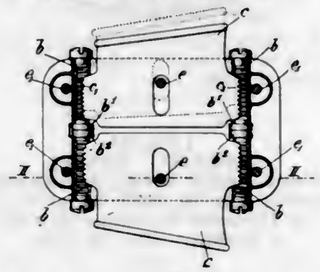
In a stopping device for braiding machines to become operative at the breaking of the thread and in combination, a braiding mechanism comprising a bobbin carrier constructed with a bobbin holder standard and a bobbin stick mounted both on the base plate of said bobbin carrier, a notched drive gear formed as a quoit plate and a supporting post for said drive gear, a slidable suspension member held suspended on said bobbin holder standard by the thread and constituting the one contact member of an electric circuit, and an eccentric spring held by said supporting post and constituting the other contact member of an electric circuit, and an electric circuit including besides said contacts a battery and the said elements of the braiding machine.

1,983,225
INTERNAL COMBUSTION ENGINE
David Gregg, Caldwell Borough, N. J., assignor to Bendix Research Corporation, East Orange, N. J., a corporation of Indiana
Application June 9, 1931, Serial No. 543,217
7 Claims. (Cl. 123—119)



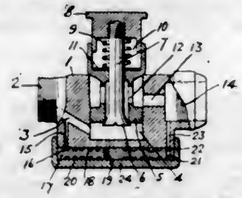
1. In an internal combustion engine, a supercharger normally inoperative and disconnected from said engine but adapted to be drivably connected thereto, means for making and breaking the driving connection between said engine and supercharger including a clutch, a servo-motor having a piston operatively connected to said clutch, means for supplying oil under pressure to said servo-motor from the lubricating system of said engine, means for alternately directing the flow of said oil against opposite sides of said piston to actuate said motor and shift said clutch, a throttle valve for said engine, a lever under the control of the operator for governing the actuation of said throttle valve and said servo-motor in sequence, a stop for arresting movement of said lever when the throttle valve is fully opened, said lever being arranged to govern both valve and servo-motor by a continuous arcuate movement in the same plane, and a releasable latch engaging said stop for preventing accidental actuation of the servo-motor.

1,983,226
SKI TIE
Viktor Gretsch, Feuerbach, Germany; Adolf Hofer, executor of said Viktor Gretsch, deceased, assignor to Gretsch-Unitas G. m. b. H., Stuttgart-Feuerbach, Germany, a limited company of Germany
Application March 17, 1933, Serial No. 661,321
In Germany March 21, 1932
2 Claims. (Cl. 208—184)



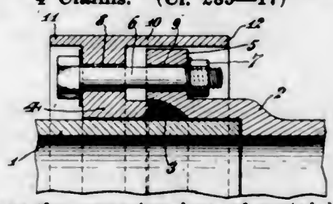
1. In a ski tie, the combination of toe irons including horizontal attaching portions and vertical supporting portions, a base plate, adjusting screws mounted in said base plate, said horizontal portions having serrated edges engaging said screws, a cover plate, and means for fastening said cover plate to said base plate and ski, and adapted to force said screws into coacting relationship with said serrated edges.

1,983,227
GAS PILOT LIGHT CONTROL
Edwin L. Hall, Philadelphia, Joseph A. Perry, Swarthmore, and Edward J. Brady, Lansdowne, Pa.; Adele S. Brady, administratrix of said Edward J. Brady, deceased, assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 24, 1933, Serial No. 667,649
5 Claims. (Cl. 158—115)



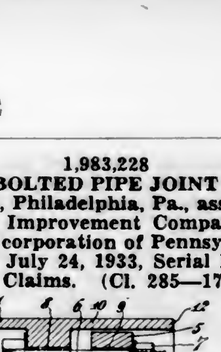
5. A gas pilot light control comprising, in combination, a valve body having a torch gas way, a valve interposed in the torch gas way, a by-pass connection past the valve, and a disc having upon its face a spiral groove interposed in the by-pass connection and communicating with the outlet portion of the torch gas way.

1,983,228
BOLTED PIPE JOINT
Edwin L. Hall, Philadelphia, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 24, 1933, Serial No. 681,940
4 Claims. (Cl. 285—17)



1. Means for opposing loss of metal by electrolytic corrosion of the bolts and nuts of pipe joints which comprise metallic extensions longer than the exposed portions of the bolts and nuts and housing and covering the bolts and nuts and providing surface exposure by which current leaves the joints instead of leaving from the surface of the bolts and nuts.

1,983,229
DISPLACEMENT PUMP
Harold Hillier, James Colquhoun Macfarlane, and William Allan Macfarlane, Cathcart, Glasgow, Scotland, assignors to G. & J. Weir, Limited, Glasgow, Scotland, a corporation of Great Britain
Application October 21, 1933, Serial No. 694,650
In Great Britain November 4, 1932
9 Claims. (Cl. 103—37)

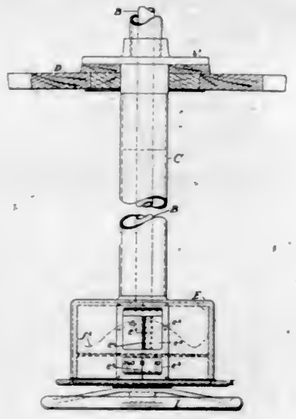


1. In a displacement pump, in combination, a displacement chamber, at least one pair of displacers working in said chamber, separate shafts for driving said displacers, motors having fixed stators and rotors normally rotating at equal speeds for driving said shafts, and means controlled by the pressure of the discharged fluid and adapted momentarily to cause differential speeding of said rotors to vary the relative timing of said shafts.

1,983,230
RADIO DIRECTION FINDER
Louis L. Kaess, New York, N. Y.
Application July 1, 1929, Serial No. 375,074
11 Claims. (Cl. 250—11)

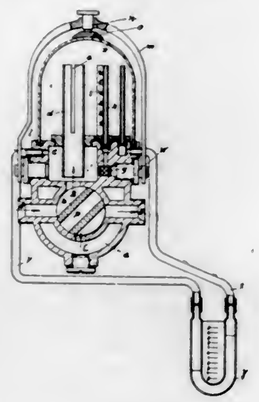
1. In a radio direction finder having a rotatable antenna; an index pointer; means for indicating the relative position of said antenna with respect to said index pointer whereby the apparent direction of a transmitting station is determined; a cylindrical graph provided with a correction line and having a connection with said antenna whereby said graph is rotatable

with said antenna; a scale in operative relation with said correction line adjacent said index pointer, said line representing on said scale the



variations between the apparent direction indicated by said first mentioned means and the true direction of the transmitting station.

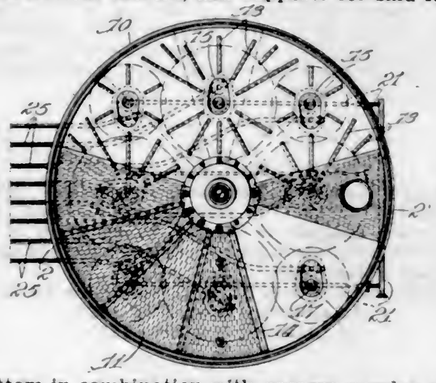
1,983,231
FLUID METER
Hans Julius Keitel, Friedrichshafen, Germany
Application October 15, 1930, Serial No. 488,880
In Germany September 16, 1929
3 Claims. (Cl. 73—167)



3. A device for measuring the quantity of liquid flowing through a pipe line in a certain unit of time, comprising in combination with the pipe line, a casing connected up in said pipe line, an air chamber in said casing having a liquid and an air compartment, a cock in said casing adapted to direct the flow of liquid from said pipe line to the liquid compartment of said air chamber, a rising pipe extending vertically from the liquid compartment of said air chamber and having an aperture at its upper end, a bell on said casing forming an air space, and a pressure gauge connected up to said air compartment and said bell adapted to measure the differences in pressure in the air compartment of said air chamber and in the air space under said bell.

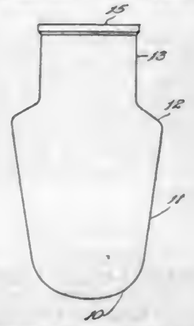
1,983,232
WASHING AND CLEANING APPARATUS FOR MASH AND STRAINER TUBS
Andreas R. Keller, Lombard, Ill.
Application January 2, 1934, Serial No. 705,024
6 Claims. (Cl. 210—152)

1. In a device of the type described, a tub, a false bottom therein, and supports for said false



bottom in combination with sprayer nozzles, said supports being arranged radially with respect to said sprayer nozzles.

1,983,233
STIRRING VESSEL
Ernst Keller, Basel, Switzerland
Application July 30, 1932, Serial No. 626,962
In Germany November 12, 1931
2 Claims. (Cl. 23—292)

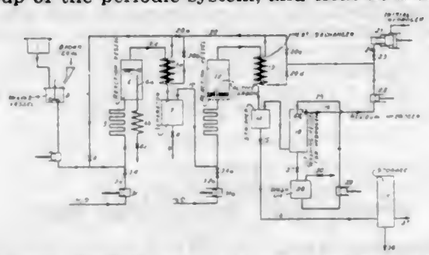


1. A stirring vessel having a round bulged bottom with a conical side wall widening in an upward direction and then merging into a shoulder portion extending inwardly substantially at right angles to the side wall and terminating in a wide neck of approximately the same diameter as the bottom, the neck, shoulder portion, side wall and bottom being connected with rounded corners.

1,983,234
CONVERSION OF SOLID FUELS AND PRODUCT DERIVED THEREFROM OR OTHER MATERIALS INTO VALUABLE LIQUIDS
Carl Krauch, Ludwigshafen-on-the-Rhine, and Mathias Pier, Heidelberg, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application July 29, 1932, Serial No. 625,650
In Germany February 14, 1925
18 Claims. (Cl. 196—53)

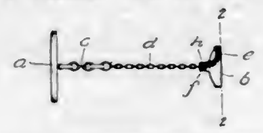
1. The process of destructively hydrogenizing carbonaceous substances, such as solid and liquid fuels, distillation and extraction products thereof,

which comprises treating them with hydrogen in the presence of a sulphide of a metal of the sixth group of the periodic system, and heat at a tem-



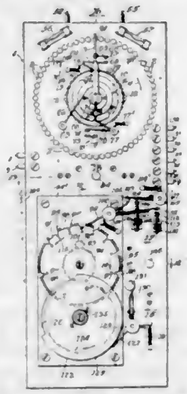
perature between about 300° and 700° C., sufficient to promote the reaction and at a pressure of at least 20 atmospheres.

1,983,235
CUFF-LINK
George Abe Laughton, Birmingham, England
Application March 7, 1934, Serial No. 714,499
In Great Britain March 7, 1933
6 Claims. (Cl. 24—102)



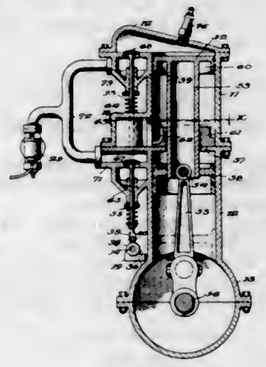
1. A cuff-link comprising in combination a pair of heads and a flexible connection, a flexible member to which the flexible connection is attached, a spring housed in one of the heads to which the flexible member is connected and a hollow neck on one of the heads into which one end of the spring is accommodated so as to permit a longer spring to be employed.

1,983,236
MECHANISM FOR CONTROLLING ELECTRIC CIRCUITS
Frederick B. Little, Chicago, Ill.
Application March 4, 1932, Serial No. 596,763
5 Claims. (Cl. 58—38)



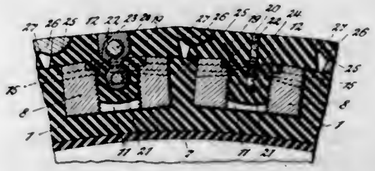
1. In a quarter hour indicating mechanism, a series of electrically operable signals, a self-starting electrical motor, a shaft rotatable by the motor and adapted to rotate at a substantially uniform speed, a circular series of electrical contacts for controlling said signals, an arm carried by the shaft and adapted to contact with said series of contacts, time controlled means for closing the motor circuit for starting same, the contacts in said circular series arranged in groups connected with said signals and unconnected contacts between said groups, and means operable by the motor for opening the motor circuit after a predetermined number of signals have been operated and causing the arm to remain stationary on one of the unconnected contacts until the motor is again started.

1,983,237
INTERNAL COMBUSTION ENGINE
Roy A. Midgley, Las Vegas, Nev.
Application September 14, 1931, Serial No. 562,778
7 Claims. (Cl. 123—76)



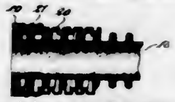
2. In an internal combustion engine, a cylinder having fuel intake and exhausts valves adjacent the head thereof, a piston in said cylinder, an annular web closing said cylinder beneath the bottom center of the piston, a depending skirt on said piston and slidable through said web, a by-pass chamber on the cylinder wall adjacent said web, a fuel intake valve in said chamber, an air inlet valve in said chamber, a common means for operating all of said valves in timed relation, and means for shifting said common operating means to vary the timed relation of the valves in said chamber with respect to the valves adjacent the cylinder head while the engine is turning over.

1,983,238
ANTISKID TIRE FOR MOTOR VEHICLES
Max Mücklich, Dresden, Germany
Application January 19, 1934, Serial No. 707,325
8 Claims. (Cl. 152—16)



1. A non-slipping and anti-skidding tire for motor vehicles and motor cycles, comprising in combination an outer cover having compartments formed in the tread thereof, metal elements secured in said compartments, rubber blocks having a screw threaded shank exchangeably screwed one into each of said metal elements, and a steel core freely embedded in each of said rubber blocks and extending into the shank thereof.

1,983,239
LIQUID MEASURE
Richard B. Munday, Oakwood, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio
Application October 1, 1932, Serial No. 635,804
1 Claim. (Cl. 137—90)

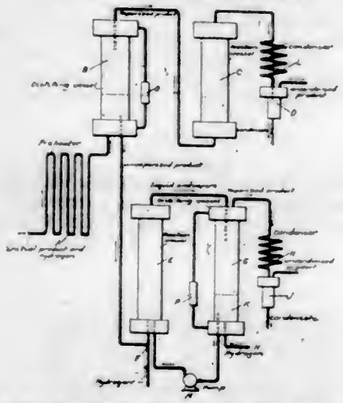


A hose, comprising, a flexible tubing of vulcanizable material having uniformly spaced annular ribs about its exterior, and a flexible metal conduit enclosing said tube, having an interior diameter approximately corresponding to the diameter of the ridges forming the corrugation on the exterior of the tube, its ends, each formed as an element of a pipe union.

1,983,240
ALKALI METAL DI-AMYLDITHIOCARBAMATES
John F. Olin, Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 14, 1931, Serial No. 537,482
3 Claims. (Cl. 260—112)

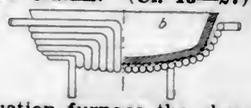
1. A chemical compound consisting of an alkali metal salt of di-amyldithiocarbamic acid.

1,983,241
PRODUCTION OF LIQUID HYDROCARBON PRODUCTS
Mathias Pier, Heidelberg, and Ernst Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application February 2, 1931, Serial No. 512,778
In Germany February 3, 1930
8 Claims. (Cl. 196—53)



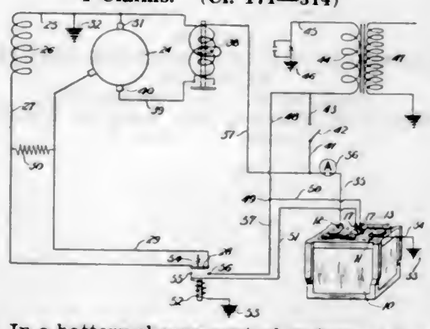
1. In the production of valuable liquid hydrocarbons from a distillable carbonaceous material comprising substantial amounts of higher boiling hydrocarbons, the steps of preheating the initial material by indirect heat exchange with a heating medium to a temperature at which it will vaporize to the desired extent by the aid of hydrogen in amounts sufficient to exert a partial pressure of at least 5 atmospheres, passing said preheated material into a vaporizing zone without the addition thereto of any other carbonaceous material, conducting the vaporization in the vaporizing zone under the aforesaid partial pressure of hydrogen in the absence of catalysts promoting a chemical conversion, separately removing the vaporous and liquid material from said zone before substantial conversion under the conditions maintained in said zone can take place and then directly subjecting the liquid material in an independent zone to a treatment with hydrogen under a temperature and pressure of the order used in destructive hydrogenation.

1,983,242
INDUCTION FURNACE
Wilhelm Rohn, Hanau-on-the-Main, Germany
Application August 15, 1931, Serial No. 557,234
In Germany August 28, 1930
10 Claims. (Cl. 13—27)



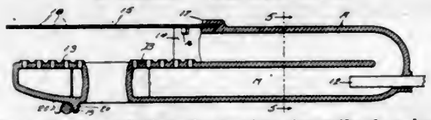
1. An induction furnace the charge of which is to be heated by means of a three phase alternating current, in which each of the three phases of the primary current flows through a different group of vaulted pan-cake coils shaped according to the form of the bath and comprising one coil at least, the coils of each of the three groups of coils being arranged symmetrically to the coils of the other two groups.

1,983,243
BATTERY CHARGE CONTROL SYSTEM
Clarence C. Rose and John Altmayer, Cleveland, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application May 21, 1931, Serial No. 539,054
Renewed July 18, 1934
4 Claims. (Cl. 171—314)



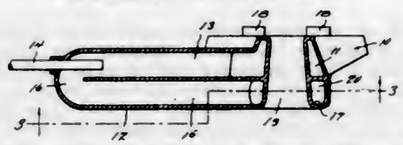
1. In a battery charge control system, a storage battery, a generator electrically connected with said battery for charging the same, a field circuit for the generator, a relay, means including contact means of the relay for reducing the ampere turns of the field circuit to thereby reduce the charging rate, a pressure responsive switch connected to said battery and having contact means adapted to be actuated by gas pressure in the battery, a circuit for putting the first mentioned means in operation including the coil of said relay and the contact means of the pressure responsive switch, said relay also having contact means for short circuiting the contact means of the pressure responsive switch for maintaining the reduced charging rate irrespective of the gas pressure in the battery, and means for opening the circuit established through the last mentioned contact means for discontinuing the reduced charging rate.

1,983,244
BURNER
Gennaro Ruggiero, Cleveland, Ohio
Application May 26, 1932, Serial No. 613,684
1 Claim. (Cl. 158—108)



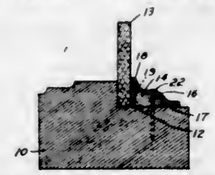
In a device of the character described, a burner portion, a mixing chamber communicating therewith, a fuel injecting tube extending into said mixing chamber toward said burner and adapted to be connected with a source of gaseous fuel, and means forming a passage for primary air communicating with said mixing chamber and terminating in a plate overlying said burner portion and spaced thereabove.

1,983,245
BURNER
Gennaro Ruggiero, Cleveland, Ohio
Application September 28, 1933, Serial No. 691,328
2 Claims. (Cl. 158—108)



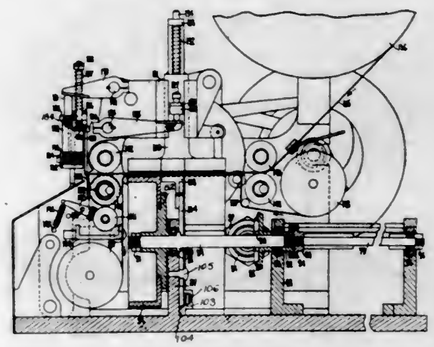
2. In a device of the character described, a burner, a mixing chamber communicating therewith, an injector tube adapted to supply fuel to said mixing chamber, and means for supplying to said mixing chamber a mixture of air and other gases from the vicinity of the flame, said last means including a plurality of tubes terminating adjacent the flame and having their interiors in communication with a passage below said burner and said passage communicating with said mixing chamber through an elongated passage, said passages being closely adjacent to said burner and mixing chamber whereby to heat fuel in the latter.

1,983,246
PUTTY GUARD AND WINDOW PANE HOLDER
John Sakowski, Chicago, Ill.
Application April 4, 1934, Serial No. 718,905
4 Claims. (Cl. 20—56.4)



1. A putty guard and pane holder for use in connection with a window wherein a pane is sealed in a frame by a strip of putty, comprising a metallic strip adapted to overlie the strip of putty and to be secured to the frame, said metallic strip having a doubled inner longitudinal edge portion which extends inwardly to form a transversely concaved flange adapted to be embedded in the strip of putty, said flange being arranged to engage the frame at the adjacent edge of the pane, the doubled portion of the strip being adapted to engage the pane at its fold in spaced relation to the frame, whereby the putty will be pressed between such points of engagement by said concaved flange against the pane.

1,983,247
TICKET ISSUING MACHINE FOR TOTALIZATORS
Robert Norman Saxby, Liverpool, England, assignor to Automatic Electric Company Limited, Liverpool, England, a company of Great Britain
Application August 9, 1930, Serial No. 474,155
In Great Britain August 21, 1929
19 Claims. (Cl. 101—66)

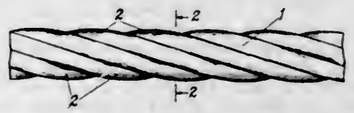


1. In a ticket printing machine provided with blank tickets, the combination of permanent-data type means, variable-data type means, a plurality of variable-data keys, electromagnetic operating means controlled by said keys for positioning the second type means in accordance with the data keys performing the control, and additional means operated under control of said keys to make impressions on said blank tickets of the permanent-data type and the positioned variable-data type.

1,983,248
PRESERVATION OF VEGETABLE CELLULOSIC MATERIAL
Carl H. Siever, Oak Park, Ill.
No Drawing. Application October 6, 1930, Serial No. 486,717
1 Claim. (Cl. 99—12)

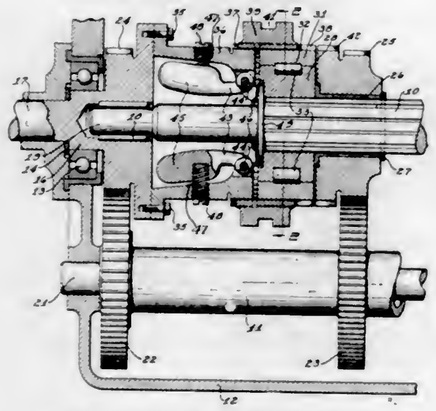
The method of treating a vegetable cellulosic substance which includes mixing substantially equal amounts of creosote and acetone, dissolving approximately one percent of mercuric chloride in the mixture, impregnating the cellulosic substance with the resulting product, using heat and pressure and finally evaporating the acetone.

1,983,249
WIRE ROPE AND METHOD OF MAKING THE SAME
Charles C. Sunderland, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application December 26, 1928, Serial No. 328,425
11 Claims. (Cl. 117—59)



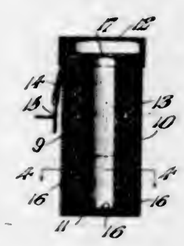
1. The method of making wire rope strand which comprises helically forming some of a plurality of wires, laying unformed wires about a central core, and laying said helically formed wires loosely about said unformed wires.

1,983,250
TRANSMISSION MECHANISM
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 24, 1931, Serial No. 564,827
8 Claims. (Cl. 192—48)



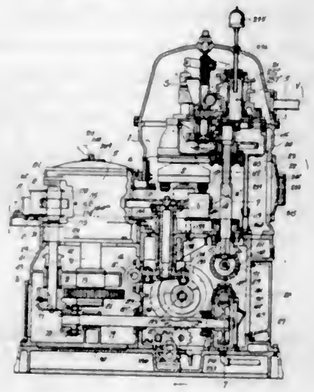
8. In a motor vehicle transmission mechanism, the combination of a driving member associated with the motor of the vehicle, a driven member associated with the road wheels thereof, means connecting said driving and driven members for free-wheeling or one direction drive from motor to wheels, for connecting said driving member to be driven by said driven member when the speed of said driving member falls below a predetermined speed and for disconnecting that connection upon return to the higher speed regardless of the relative speed between said members.

1,983,251
FLY PAPER PACKAGE
Glendon T. Tongue, Philadelphia, Pa.
Application December 15, 1932, Serial No. 647,336
2 Claims. (Cl. 43—116)



1. A fly paper package comprising the combination of a spirally wound ribbon having a sticky substance thereon, a container in the form of a tubular body for receiving said ribbon in coiled condition, means for attaching the outermost convolution of said ribbon to the inner wall of said body, a cap of liquid impervious material enclosing the bottom end of said wound ribbon, a bottom for said body below said cap, a removable top for said body, and means attached to the innermost convolution of said ribbon for uncoiling said ribbon as a length of material with said body suspended from one end thereof.

1,983,252
CAN VACUUMIZING AND SEALING MACHINE
Nelson Troyer, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 21, 1929, Serial No. 372,772
17 Claims. (Cl. 113—82)



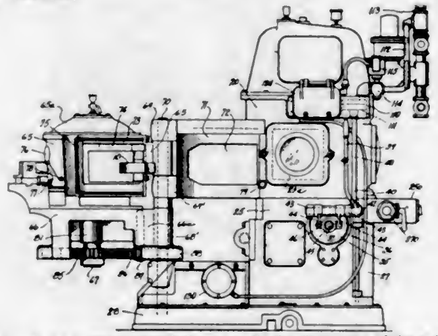
1. In a can vacuumizing and sealing machine, a vacuumizing chamber having an opening through which cans are passed into said vacuumizing chamber, a rotary pocketed valve sealing said opening and operable to transfer cans placed in its pockets into the vacuumizing chamber, and means located in said vacuumizing chamber and rotating about a fixed center therein and in synchronism with the rotation of the valve for removing the cans from said pockets, said means cooperating in succession with the valve pockets for removing said cans.

11. In a can vacuumizing and seaming machine, a vacuumizing chamber, a seaming mechanism therein, a valve housing opening into the chamber and to the outside thereof, a valve rotatably contained in the housing having pockets therein within which cans may be transferred from outside the housing into the vacuumizing chamber; and means for transferring the cans between the valve pockets and seaming mechanism said housing wall having a series of ports therein opening into the chamber and through which there will be a gradual application of vacuum to the said pockets as they are brought, by rotation of the valve, into registration with successive ports and prior to delivery into the vacuumizing chamber.

12. In a machine of the character described, the combination with a driving element and a disconnecting means therefor, of a revolubly driven shaft, a valve loosely mounted on the shaft, an arm fixed to the shaft, a spring interposed between the arm and valve to rotate the latter with the shaft and yieldable under abnormal working strain and devices operable incident to such yielding of the spring to effect actuation of the disconnecting means.

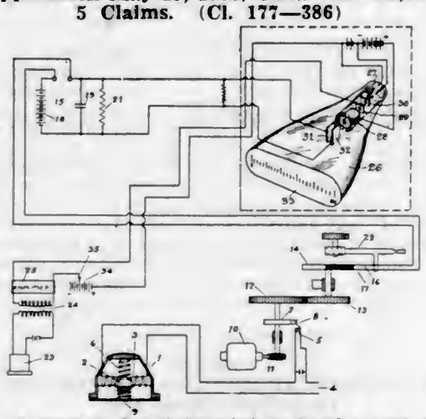
1,983,253
CAN VACUUMIZING AND CLOSING MACHINE
Nelson Troyer and Paul E. Pearson, Seattle, Wash., assignors to the Continental Can Company, Inc., a corporation of New York
Application January 13, 1931, Serial No. 508,514
12 Claims. (Cl. 113—82)

1. In a machine of the character described, a chamber, a can sealing machine in the chamber, a can delivery valve associated with the chamber, a main drive shaft, driving connections for the sealing machine and valve operatively connected with the main drive shaft, a clutch included in the driving connection for the valve operable under abnormal strain to release the connection, a driving clutch for the main shaft, and means operable incident to a releasing action of the first mentioned clutch to effect a release of the driving clutch.



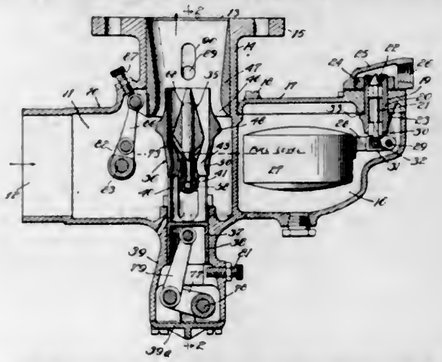
11. A can vacuumizing and closing machine including in combination, a main housing having a vacuumizing chamber, said housing having an opening at one side thereof, a can seaming mechanism in said chamber, a valve housing for closing the opening in the main housing leading to the vacuum chamber, a support for said valve housing permitting movement thereof to open position away from the main housing, said valve housing having valve seats, and a valve located in said valve housing and contacting with said valve seats, said valve having pockets for delivering cans to and from said chamber, driving means for the seaming mechanism, and driving means for the valve connected with the driving means for the seaming mechanism, and maintaining an operative connection therewith for both the open and closed positions of the valve housing.

1,983,254
METHOD AND APPARATUS FOR DISTANCE FINDING
Edwin E. Turner, Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application May 19, 1930, Serial No. 453,732
5 Claims. (Cl. 177—386)



2. A system for determining depths and distances by means of compressional waves comprising means for emitting compressional wave impulses, means for receiving said impulses after reflection from the object whose distance is to be measured and means for indicating the receipt of said impulses and measuring the time interval between their emission and reception including a cathode ray tube having means for creating an electron beam, means for suppressing the beam and means for controlling the position of the beam including a plurality of control plates and means for applying a given potential on the plates at the instant that the sound is emitted and varying uniformly in the same direction in a definitely selected time relation to the time interval from the emission of the sound, means connecting said receiving means to said beam suppressing means and means operable by the receiving means to remove the effect of the suppressing means to produce a beam and a scale associated therewith to indicate the depth.

1,983,255
CARBURETOR
Gunnar A. Wahlmark, Rockford, Ill., assignor of one-third to Ernest J. Svenson and one-third to Charles H. Rystrom, both of Rockford, Ill.
Application May 25, 1929, Serial No. 365,869
16 Claims. (Cl. 261—46)

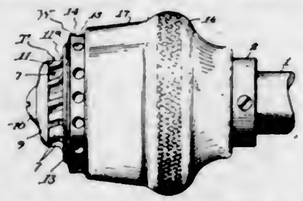


1. A carburetor having, in combination, a hollow body having inlet and outlet openings, a member mounted within said body having a fuel supply duct with an upwardly opening narrow annular orifice within the member, there being an annular fuel mixing chamber in the member and into which said orifice opens, there also being a plurality of fuel discharge ducts in said member with the inner ends opening into said chamber closely adjacent to and annularly spaced about said orifice and leading outwardly from said chamber and opening at different levels and at peripherally spaced points on the outside of said member, said member being shaped to form the inner annular side of an annular venturi through which air is drawn during operation of the carburetor, a sleeve surrounding said member shaped to form the outer side of the venturi, and means for moving one of the Venturi parts to move the throat of the venturi past the ends of said ducts to cause suction of fuel from said ducts when said ducts are at the expansion side of said throat.

1,983,256
COMBINATION TOOL
Paul Ward, Nashville, Tenn.
Application June 9, 1934, Serial No. 729,934
6 Claims. (Cl. 12—17)

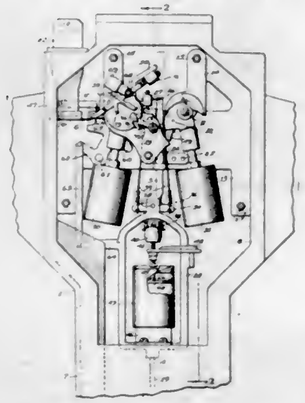
1. A combined trimmer and waxer comprising a head mounted upon a rotatable drive shaft, a series of cutting blades circumferentially spaced about the head, a cylindrical work-engaging sur-

face provided with a plurality of depressions adapted to contain wax, a gage adjacent said cutting blades and a gage adjacent said cylindrical work-engaging surface, and means op-



erable for simultaneously adjusting both of said gages to vary the extent of the work presentable to the cutting blades and to the work-engaging surface.

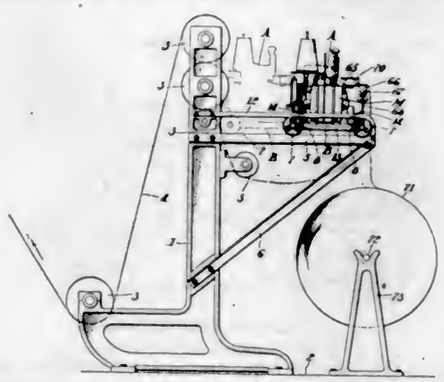
1,983,257
WEIGHING SCALE
William D. Watling, Chicago, Ill., assignor to Watling Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1934, Serial No. 731,701
5 Claims. (Cl. 194—47)



1. A scale comprising a weight-actuated mechanism, a weight indicator controlled by said mechanism, a latch normally locking said indicator in zero position, a dog for retaining said latch in a retracted position during a weighing operation, means actuated by said mechanism for tripping said dog when the load on said mechanism is reduced, a coin actuated tripper movable a predetermined distance by the weight of a coin of predetermined weight for positioning said latch in engagement with said dog, and auxiliary means connected to said indicator for moving said latch into engagement with said dog when the weight of the coin is sufficient to cause the release of said indicator but insufficient to move said tripper said predetermined distance.

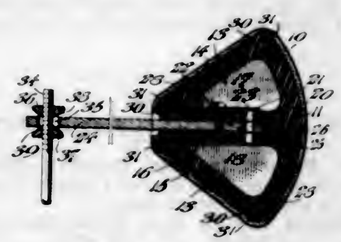
1,983,258
PIECE-END SEWING MACHINE
Irving F. Webb, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 1, 1933, Serial No. 678,562
10 Claims. (Cl. 112—2)

1. The combination with a system of parallel fabric unreeling guide rollers and means for supporting the incoming piece of material to be processed, of a bridge-member supported at its opposite ends only above said material supporting means, a pair of parallel rails extending lengthwise of said bridge-member, a free wheeled carriage mounted to run on said rails, a sewing machine and a driving motor mounted on said carriage, said sewing machine having stitch-form-



ing and work-feeding mechanisms and being otherwise free at all times to run along said rails, and manually controlled means on said carriage for establishing and interrupting driving relation between the driving motor and the sewing machine.

1,983,259
CONTROL MECHANISM FOR VEHICLES
Alfred Weiland, Germantown, Pa.
Application May 6, 1932, Serial No. 609,647
5 Claims. (Cl. 267—35)

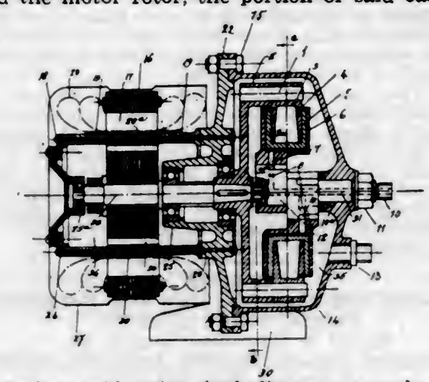


1. A device for controlling the movement of one part with respect to another part, comprising a resilient member having two communicating air chambers therein, means for attaching said member to one of said parts, a lever interposed between said chambers and projecting from said member, means to connect said lever to the other of said parts, whereby relative movement of said parts causes said lever to compress one or the other of said chambers in accordance with the direction of movement, and means to adjust said lever to a predetermined set position to initially hold one of said chambers under compression and the other of said chambers under tension.

1,983,260
COMBINED MOTOR AND COMPRESSOR
Carlo Zorzi, Milan, Italy
Application April 11, 1930, Serial No. 443,604
In Italy April 15, 1929
13 Claims. (Cl. 230—139)

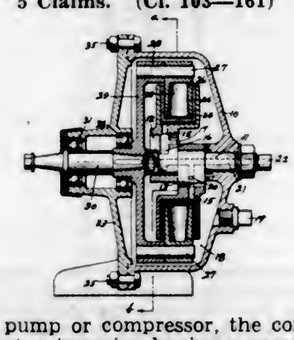
1. In a motor-compressor unit a compressor and an electric motor having a stator and a rotor,

and a gas tight casing enclosing the compressor and the motor rotor, the portion of said casing



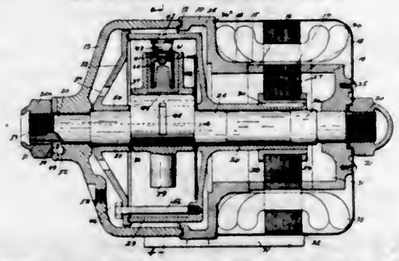
enclosing said rotor including an annulus of laminations upon which said stator is supported.

1,983,261
PUMP OR COMPRESSOR
Carlo Zorzi, Milan, Italy
Application March 7, 1931, Serial No. 520,936
5 Claims. (Cl. 103—161)



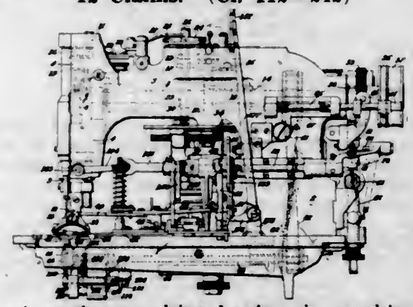
1. In a pump or compressor, the combination of a support, a trunnion having a passage therethrough and secured to said support, an eccentric carried by said trunnion, a cylinder carried by said eccentric, a free piston in said cylinder, a hollow sleeve adapted to reciprocate in said piston and forming therewith a pressure chamber at sub-normal speeds and adapted to reciprocate the piston in the cylinder at normal speed, and a rotating member secured to said sleeve and adapted to rotate the aforesaid cylinder, piston and sleeve about said eccentric.

1,983,262
COMBINED MOTOR AND COMPRESSOR
Carlo Zorzi, Milan, Italy
Application March 7, 1931, Serial No. 520,937
12 Claims. (Cl. 103—118)



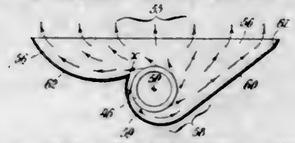
1. In a motor-compressor unit, an electric motor having a rotor, a fixed shaft and a flywheel revolvably mounted thereon, said flywheel having an integral extended portion forming a support for said motor rotor, a casing enclosing said parts, and a stator outside of said casing for driving said rotor.

1,983,263
PULL-OFF MECHANISM FOR SEWING MACHINES
Edward B. Allen and Maurice D. Knox, Newtown, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application May 4, 1932, Serial No. 609,083. Divided and this application July 20, 1933, Serial No. 681,248
12 Claims. (Cl. 112—242)



1. A sewing machine having, in combination, a needle, a throat-plate, a rotary hook, a bobbin-case journaled in said rotary hook and having a bobbin-thread delivery guide in the upper portion thereof nearest the throat-plate, and a pull-off device having an inclined thread-cam edge movable horizontally in timed relation with said needle in each stitch-forming cycle into engagement with the bobbin-thread at a speed less than the speed of said hook.

1,983,264
TENTERING AND DRYING MACHINE
Harold H. Belcher, Philadelphia, Pa., assignor to Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 10, 1932, Serial No. 632,531
2 Claims. (Cl. 34—48)

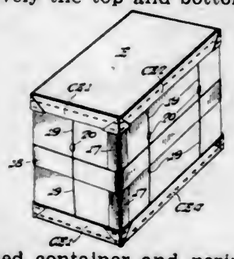


1. In a machine for treating continuous material with means defining a plurality of runs for said material, the combination of a centrifugal fan and a casing therefor, said casing having a wall embodying two portions concaved towards the runs of the material, the junction of said two concaved portions being on that side of a plane passing through the axis of the fan and normal to the direction of movement of the runs of the material, towards which the section of the fan between the shaft and the material runs is rotating.

1,983,265
SHIPPING CONTAINER
Samuel Perry Belsinger, Atlanta, Ga.
Application January 18, 1934, Serial No. 707,171
2 Claims. (Cl. 229—23)

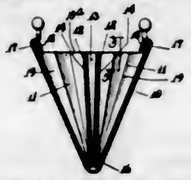
1. A shipping container of pulp-board material, comprising upper and lower body portions,

each formed from a rectangular blank folded at the vertical corners and having its ends joined whereby to provide portions of the side walls of the completed container, said body wall portions at their free edges being substantially identical in cross-section and located in abutting relationship, said body portions having identical end closure members each having an integral central portion providing a solid, smooth surface forming respectively the top and bottom members of



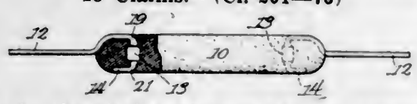
the completed container and peripheral flanges each overlapping a corresponding outer face of said side wall portion, means passing through said flanges and said side wall portions for rigidly and fixedly uniting said end portion to said body portion, and an external strip overlapping the free edges of both said body portions and secured to both said body portions throughout the length of the free edges for holding the sections against separation and against relative shifting.

1,983,266
POCKETBOOK
Max Berkowitz, Lawrence, N. Y.
Application August 9, 1932, Serial No. 628,039
3 Claims. (Cl. 150—30)



1. In a pocketbook, the combination with an outer bag, consisting of a two-linked channel-shaped rim and a covering secured therein; of a lining comprising two symmetrically arranged integral fabric pieces, folded upon themselves into bellow-like pockets and fastened to the outer bag solely by being clasped between the latter and the channel-shaped rim, and means to join the central portions of these pockets so as to form an intermediate compartment.

1,983,267
ELECTRICAL CONDUCTIVE ELEMENT AND PROCESS OF MANUFACTURE
Theodore C. Browne, Chicago, Ill., and Elmer Brugmann, Cambridge, Mass.
Application July 18, 1930, Serial No. 468,913
18 Claims. (Cl. 201—76)

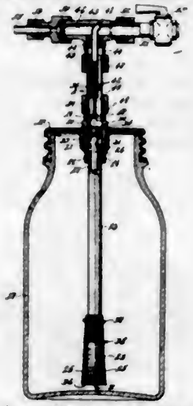


1. An electrical conductive element comprising a metallic electrical leed-in conductor cured therein, and a mass of finely divided conductive particles held together by a resinous bond having the power to wet the surface of the metal leed with an adhesion substantially equal to the cohesive force of the resinous material.

4. An electrical conductive element comprising an elongated non-metallic conductive body having metallic wire terminals, a flattened portion on the wire embedded in the conductive body with the plane of its flattened portion parallel to the longitudinal axis of the body, said wire immediately adjacent the flattened portion being bent through a substantial angle.

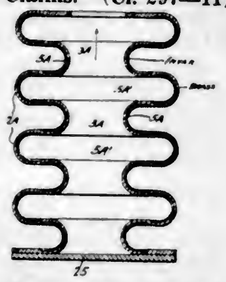
5. That method of curing formed shapes of polymerizable material containing vaporizable solvents which consists of packing said shapes in a green state in finely divided material, and heating said shapes thus packed, whereby, because of the slow rate of diffusion of gases through said finely divided material, a saturated gaseous atmosphere is maintained against the surface of said polymerizable piece.

1,983,268
CHARGE TREATING DEVICE FOR INTERNAL COMBUSTION ENGINES
Daniel L. Covyeow, Chicago, Ill.
Application October 21, 1933, Serial No. 694,629
4 Claims. (Cl. 261—99)



1. An atomizing device of the character described, comprising a liquid supply receptacle, a supply pipe for conveying the atomized vapor to the intake manifold of an internal combustion engine, a main wick tube extending within said receptacle, a closure member for said receptacle, a nipple connection between said supply pipe and said wick tube, a nozzle member in said nipple connection, a mesh guard for the lower extremity of said wick tube, a wick extending through said wick tube, and spring means for clamping the lower extremity of said wick in said wick tube.

1,983,269
THERMOSTATIC ELEMENT
Norman L. Derby, Jackson Heights, N. Y.
Application August 25, 1931, Serial No. 559,186
16 Claims. (Cl. 297—11)



3. A hollow thermostatic element the wall of which is composed of a series of portions each including inner and outer layers of different materials, the outer layer material in each of some of said portions having a greater coefficient of expansion than the corresponding inner layer material, and respectively adjacent portions of said wall having outer layer material with a smaller coefficient of expansion than that of the inner layer material.

1,983,270
PROCESS FOR THE PURIFICATION OF SAND
Theodore Earle, Denver, Colo.
No Drawing. Application January 26, 1931, Serial No. 511,446. Renewed April 10, 1934
5 Claims. (Cl. 252—8)

1. The process of purifying sand comprising the addition of dilute acid to the sand and heating the sand to evaporate the excess water and leave concentrated acid, and washing the sand.

1,983,271
PURIFICATION OF SAND
Theodore Earle, Denver, Colo.
No Drawing. Application September 19, 1932, Serial No. 633,851. Renewed April 10, 1934
14 Claims. (Cl. 252—8)

1. The herein described process of purifying dry sand or other granular mineral material comprising adding thereto concentrated sulphuric acid and thoroughly mixing the acid with the material, the amount of acid being sufficient to cover all of the particles of the material with an acid film when said mixing is completed, but not sufficient in quantity to prevent the mixed material and acid from pouring substantially as if dry, and subsequently separating the material from the acid and the water soluble compounds.

1,983,272
PROCESS FOR THE PURIFICATION OF SAND
Theodore Earle, Denver, Colo.
No Drawing. Application December 15, 1930, Serial No. 502,628. Renewed April 10, 1934
12 Claims. (Cl. 252—8)

1. A process for the purification of sand for glass manufacture including the separation of the grouped grains into separate uncrushed grains by means of resiliently applied mechanical rubbing of the grouped grains and the subsequent acid leaching of the sand.

12. A process for the purification of sand which includes separation of the grouped sand grains by passing the sand between two or more surfaces, one or all of which are relatively soft, and acid leaching of the sand by mixing it with a dilute acid, allowing the excess water to evaporate and thereby leave a strong, concentrated acid to act on the sand, and washing out the water soluble compounds.

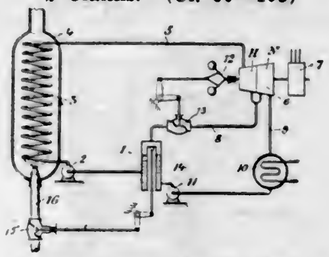
1,983,273
MILLING PROCESS
Theodore Earle, Denver, Colo.
No Drawing. Refiled for abandoned application June 1, 1931, Serial No. 541,529. This application October 21, 1933, Serial No. 694,638
9 Claims. (Cl. 75—18)

1. The process of recovery of values from natural sulphide ores comprising giving the material a preliminary roasting treatment, subsequently adding sufficient dilute sulphuric acid to dampen each grain of the material, evaporating water from the mass of the acid dampened material by raising its temperature for the purpose of concentrating the acid and making it more active through its increased temperature and recovering the valuable constituents dissolved and freed by the hot active concentrated acid.

1,983,274
ORE LEACHING
Theodore Earle, Denver, Colo.
No Drawing. Application April 2, 1931, Serial No. 527,355
1 Claim. (Cl. 75—18)

The process of recovering metallic values from ore, which process comprises the adding of dilute sulphuric acid to the ore to be treated, which in amount is small in comparison with that of the ore, and effecting an intimate mixing of the ore and acid whereby each ore particle becomes enveloped in a film of the acid, subjecting the ore-acid mixture to heat so that the film coating of each ore particle is acid in concentrated form, the acid reacting with the metallic values of the ore particles to produce water soluble metallic compounds, said acid being applied in such a manner that there remains in the mixture at the end of the heating period all of the metallic values originally in the ore, employing water for washing out the water soluble metallic compounds from the solid residues of the ore, and ultimately recovering the metallic values from the wash water.

1,983,275
STEAM POWER PLANT
Hans Conrad Egloff, Winterthur, Switzerland, assignor to firm of Sulzer Frères Societe Anonyme, Winterthur, Switzerland
Application July 6, 1933, Serial No. 679,167
In Switzerland August 20, 1932
2 Claims. (Cl. 60—105)

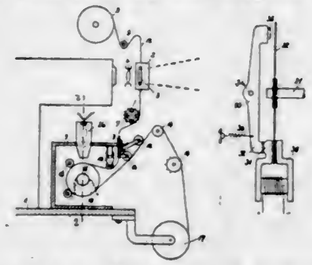


1. In a steam power plant including a steam generator of relatively small liquid-content supplied with feed water and having a feed-water heater; a steam-engine unit operatively connected to the generator and having steam extraction means, means for heating the feed-water of the steam generator by means of steam extracted from the steam-engine unit, a device for regulating the output of the steam engine unit by alteration of the quantity of steam led from the steam engine unit to the feed-water heater in accordance with the speed of the engine unit, and a device for regulating the output of the steam generator in accordance with the temperature of the feed-water heater.

1,983,276
DRIVING APPARATUS FOR SOUND FILMS
Franz Ehrenhaft, Berlin-Wilmersdorf, Germany, assignor to N. V. Küchenmeister's Internationale Maatschappij voor Sprekende Films, Amsterdam-Berlin, Berlin, Germany
Application January 10, 1930, Serial No. 419,911
In Germany January 16, 1929
6 Claims. (Cl. 179—100.3)

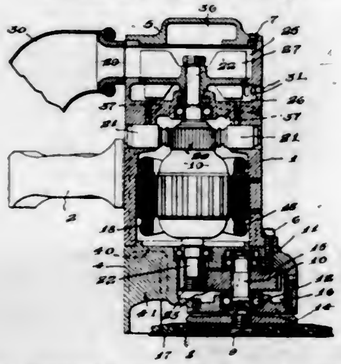
1. In a driving apparatus for sound films adapted to smoothly drive a sound film at its point of reproduction, a guiding cylinder frictionally engaging said film, frictional rollers pressing said film upon said cylinder, an eddy current brake associated with said cylinder comprising a pivoted lever supporting at one end thereof said cylinder, a light metallic disk

rotatably mounted at the other end thereof, driving connections between said cylinder and said disk, an electro-magnet controlled by the energizing current of the driving apparatus associated with said disk and adapted to attract



said pivoted lever, fixed braking means, and resilient means connected to said lever adapted to force said disk into engagement with said braking means and to separate said cylinder from said frictional rollers when said energizing current is disconnected from the apparatus.

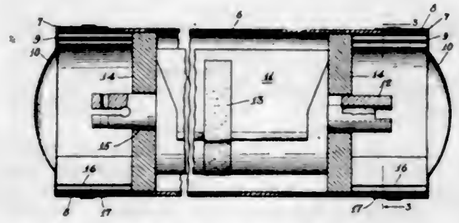
1,983,277
DISK SANDER
Arthur N. Emmons, Syracuse, N. Y., assignor to The Porter-Cable Machine Company, Syracuse, N. Y., a corporation of New York
Application December 24, 1932, Serial No. 648,741
20 Claims. (Cl. 51—170)



9. In a portable hand manipulated disk sanding machine of the type described, the combination of an upright casing including a body section and an end section detachably secured to the lower end of the body section, a motor arranged in the body section, an abrading disk journalled in the lower end section, suction means arranged in the body section and having an inlet passage extending into the lower end section, and having an opening adjacent the edge of the abrading disk, and motion transmitting means operatively connecting the motor shaft and the abrading disk.

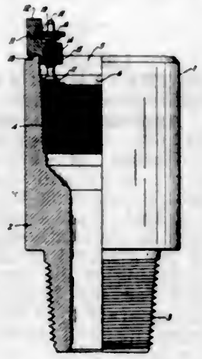
1,983,278
CONTAINER
John J. Flanigan, Oak Park, Ill., assignor to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application June 21, 1933, Serial No. 676,825
20 Claims. (Cl. 206—52)

1. In a container for packaging a duplicating machine or similar band that is wound on a spindle having the ends thereof extended beyond the sides of the wound band, the combination of a tube adapted to receive the wound band and the spindle, supporting members mounted in said tube and having openings therein to receive the extended ends of the spindle to support said wound band in the tube out of contact with the tube, said supporting members



being engaged with the sides of the wound band, and means for retaining said supporting members in supporting position and in engagement with the sides of the wound band and including a cap adapted to close one end of the tube, said cap being fast on the tube to prevent displacement thereof from the tube.

1,983,279
PIPE THREAD GAUGE
Harold W. Fletcher, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas.
Application August 4, 1930, Serial No. 472,960
4 Claims. (Cl. 33—170)

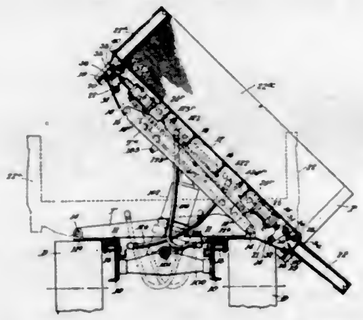


1. A measuring gauge for tool joint threads and the like including a block having upper and lower shoulders, a gauge pin adjustable longitudinally in said block, a knife edge formed at one end of said pin extending below said lower shoulder to register with the outer thread scratch on the tool joint socket, a flattened end at the other extremity of said pin, and means to limit the longitudinal adjustment of said pin in both directions.

1,983,280
DUMP VEHICLE HAVING A FLUID-MEDIUM DOOR CONTROL
Henry Fort Flowers, Findlay, Ohio
Application November 3, 1931, Serial No. 572,854
32 Claims. (Cl. 298—22)

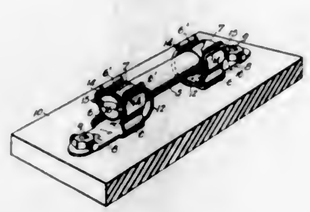
1. In a dump vehicle, a frame, a body tiltable at least to one side and one end with respect to said frame, side and end doors pivotally mounted on said body at the side and end, fluid operated means for controlling the opening and

closing of said doors, and valve means for selecting the door to be opened and closed and to se-



lect the direction of actuation of said fluid operated means whereby to open or close the door.

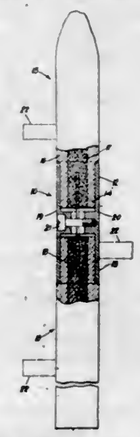
1,983,281
GRIP ATTACHMENT FOR FUSE CLIPS
Samuel W. Fries and Ervin E. Malott, Kansas City, Mo.
Application November 13, 1933, Serial No. 697,791
4 Claims. (Cl. 200—134)



1. A fuse holding device comprising a clip formed with a pair of yielding arms having terminals curving toward each other, and a detachable spring element comprising a yoke portion terminating in parallel spaced fingers removably seated in the concave outer faces of said clip terminals and thereby substantially prevented from any canting movement while operating to actuate said arms into yielding engagement with the fuse, the ends of said fingers being formed with hooks in detachable retaining engagement with the edges of said arms.

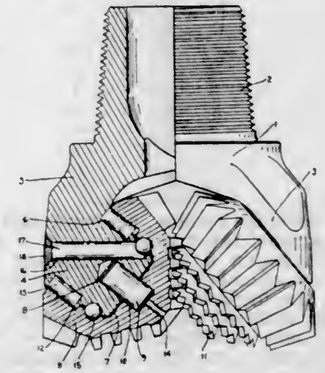
1,983,282
CARBON HOLDER
Charles A. Fuchs, Hollis, N. Y., and Frank Spaloss, Teaneck, N. J., assignors, by mesne assignments, to Projector Improvement Company, Inc., New York, N. Y., a corporation of New York
Application November 2, 1933, Serial No. 696,337
14 Claims. (Cl. 176—119)

1. A carbon holder including two alined oppositely disposed gripping devices, each to engage the end of a carbon, and a single intermediate screw means to render both devices effective simultaneously to grip their respective carbons, said holder and one of the carbons serving as an extension for the other carbon, and



said holder being of equal diameter with the carbons, as set forth.

1,983,283
BEARING FOR DRILL CUTTERS
Lewis E. Garfield, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application September 16, 1933, Serial No. 689,721
7 Claims. (Cl. 255—71)

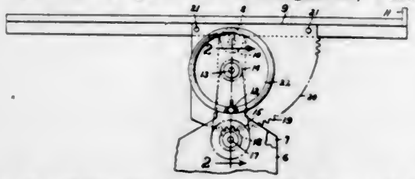


1. A drill bit including a head, downwardly and inwardly inclined shafts thereon, bearing races in the sides of said shafts, a pilot bearing pin inserted in a recess at the free end of each of said shafts, bearings in said races and a frusto-conical cutter shell on each of said shafts completely enclosing said bearing pins therein and, held in rotatable position on said shafts by said bearings.

1,983,284
HAND DRIVEN SELF-LOCKING CLUTCH
George Edward Geise, South Fort Mitchell, Ky., assignor to The Kelley-Koeth Manufacturing Company, Covington, Ky., a corporation of Ohio
Application February 15, 1932, Serial No. 592,906
9 Claims. (Cl. 311—6)

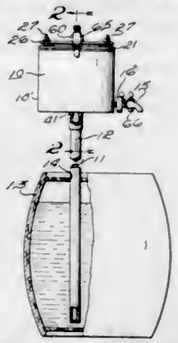
8. A device of the class described comprising in combination a supporting frame including a substantially vertical standard, a table member

pivoted for tilting movement adjacent to the top of said standard, a gear segment fixed to the table member and depending therefrom in substantial parallelism with said standard, a toothed pinion rotatably supported upon the standard in the plane of the segment, with the



teeth of the pinion in engagement with the teeth of the gear segment, a unitary self-locking clutch mounted upon the standard near the top thereof and remote from the pinion, said clutch including a handle-rotated shaft, and means for transmitting rotational movement of said shaft to said pinion.

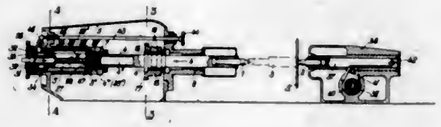
1,983,285
COOLING DEVICE
George A. Gloor, Dearborn, and Marcel Banke, Detroit, Mich.
Application October 6, 1933, Serial No. 693,229
10 Claims. (Cl. 225—18)



1. In beverage cooling, aerating, and dispensing apparatus, the combination of a source of supply including a closed container, a closed refrigerant chamber, a conduit communicating between the interiors of said chamber and said container, a closed dispensing chamber arranged adjacent said refrigerant chamber so as to be cooled thereby, a conduit communicating between the interiors of said container and said dispensing chamber, and solid carbon dioxide disposed in said refrigerant chamber and adapted to generate gaseous carbon dioxide, whereby the gas carbon dioxide passes through said first named conduit to said container to aerate the beverage therein and to cause flow of such beverage from said container to said dispensing chamber where the beverage is cooled by the solid carbon dioxide in said refrigerant chamber.

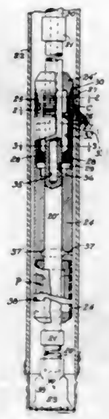
1,983,286
APPARATUS FOR COMPENSATING FOR PLAY IN MACHINES FOR CUTTING SCREW THREADS
Hermann Godziewski, Eichwalde, near Teltow, Germany
Application September 1, 1933, Serial No. 687,885
In Germany April 29, 1933
5 Claims. (Cl. 51—95)

1. In a thread cutting machine, a work carrying spindle mounted for rotary and longitudinal movements, means to effect rotary movement of the spindle alternately in opposite directions, a lead screw having operative connection with the spindle to effect longitudinal movement of said spindle, a sleeve wherein said lead screw is frictionally mounted for rotary movement with re-



spect to the sleeve, and anti-friction bearing supporting said sleeve and having spiral races to move the sleeve longitudinally as it is rotated, and gearing connecting the spindle and lead screw to rotate the latter as the spindle is rotated.

1,983,287
DRILLING STRUCTURE AND CIRCULATING PUMP
Samuel H. Grinnell and Albert C. Rubel, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 4, 1932, Serial No. 636,134
11 Claims. (Cl. 255—1)

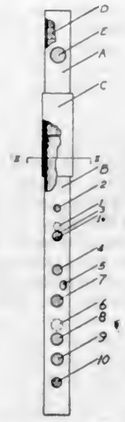


1. In combination a well casing, a drill stem depending therein, a bit carried by the lower end of said stem, a pump carried by the stem above the bit, said pump including a housing, a cage positioned about said stem and pump, said housing being non-rotatably and axially slidable in said cage, and means carried by the cage and adapted to engage said well casing for anchoring the cage and pump housing against rotation therein.

1,983,288
PICCOLO
Nathan Isaac Hall, Elkins, W. Va.
Application April 2, 1934, Serial No. 718,610
2 Claims. (Cl. 84—384)

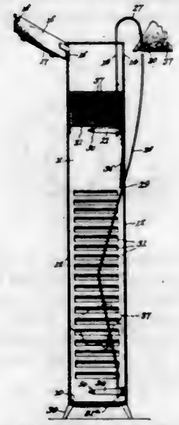
1. A musical instrument of the class described having eleven tone holes, two of which

holes produce B—flat and C and are so dis-



posed on the instrument as to be jointly coverable by a thumb.

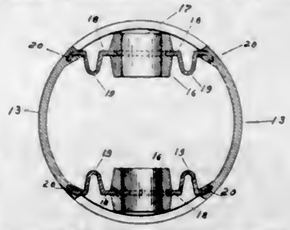
1,983,289
TOWEL CABINET
Elgin A. Hamner, Shreveport, La.
Application August 11, 1933, Serial No. 684,722
4 Claims. (Cl. 312—37)



1. An improved towel cabinet comprising a cabinet body having a clean towel compartment and a soiled towel compartment, a captive wire for the towels extending into both compartments, clamping means for securing both ends of the wire and each including a movable member, a door in the cabinet, and an operative connection between said door and each movable member to move the latter upon opening of the door so as to free the ends of the wire.

1,983,290
PISTON STRUT
Stephen D. Hartog, St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio
Application February 16, 1926, Serial No. 88,706
2 Claims. (Cl. 309—13)

1. The combination with a piston comprising a head segment, and a skirt segment, wrist pin bosses rigidly connected to said head and skirt segments, of sheet metal members forming transverse struts rigidly supported by said skirt segments and wrist pin bosses and yieldable therebetween, said members being formed with bowed portions at opposite sides of said wrist pin bosses and provided with a plurality of



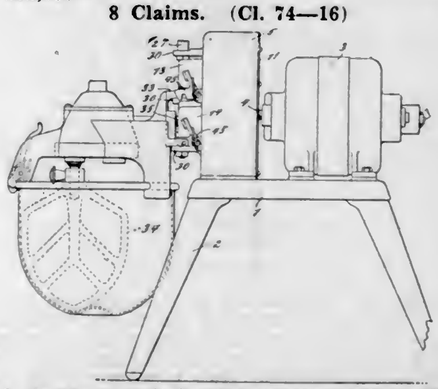
transverse slots extending transversely through the apex of the bowed portions.

1,983,291
SEALED BAG
Howze Haskell, Richmond, Va., assignor to James River Paper Products, Inc., Richmond, Va.
Application January 12, 1934, Serial No. 706,424
2 Claims. (Cl. 229—53)



1. A bag composed of a tube of sheet material folded longitudinally so as to form reentrant lateral folds connecting front and rear walls of the tube, one end of said tube having lines of adhesive on the inner surfaces of the front wall and the rear wall and on the inner surfaces of the reentrant folds, said lines of adhesive being merged together to join the inner surfaces of said front and rear walls to each other and to the inner surfaces of said reentrant folds, said adhesive forming a plug which completely seals the end of the tube.

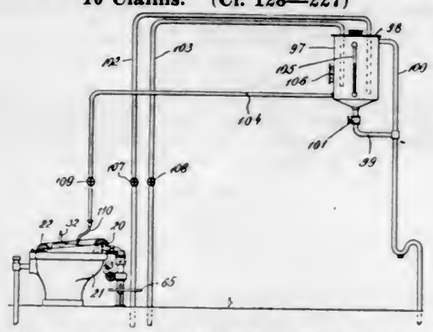
1,983,292
POWER UNIT
Robert Hoe, Hyde Park, N. Y.
Original application January 2, 1930, Serial No. 418,109, now Patent No. 1,864,304. Divided and this application December 16, 1930, Serial No. 502,707
8 Claims. (Cl. 74—16)



1. A power unit having a gear casing with a driving shaft mounted thereon, means on said shaft adjacent one end thereof to support and

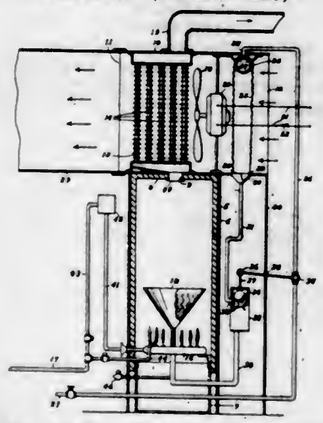
rotate a driven shaft on an operative device, means to support a different operative device on said casing, said second named device also having a driven shaft, and means to operate said last-named driven shaft from said end of said driving shaft.

1,983,293
MEDICAL APPARATUS
William F. Hudgings, Brooklyn, N. Y., assignor to Health Products Corporation of America
Application February 5, 1930, Serial No. 426,006
10 Claims. (Cl. 128—227)



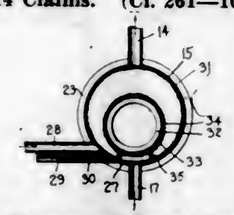
1. Apparatus for intestinal irrigation comprising a receptacle, a cover for said receptacle having a recess therein provided with an opening, means surrounding said recess to provide a seal about the anus of a patient seated on said cover, a rectal tube extending into said recess in alignment with the opening, and a discharge tube communicating with said recess, extending outwardly beyond said cover and returning to a point within the rim of said receptacle, said discharge tube having a transparent section in the portion thereof which extends beyond said cover.

1,983,294
AIR CONDITIONING UNIT
Philip Huttenmiller, Cincinnati, Ohio
Application April 19, 1932, Serial No. 606,161
3 Claims. (Cl. 126—116)



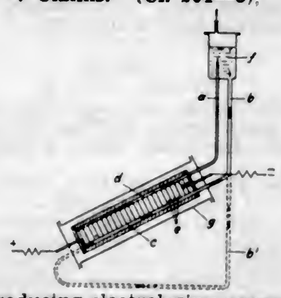
1. An air conditioning unit comprising a casing, a housing at the top of the casing, a radiator in the housing and comprising pipes communicating with the interior of the casing, a flue communicating with said pipes, a burner in the casing, a water container in the casing above the burner and normally provided with water, the heat products from said burner and container being adapted to intermix in the casing and to pass into and heat said radiator pipes, means for returning condensation in the pipes to said container, an air conduit system in communication with said housing in front of said radiator, a fan in the housing behind the radiator, means for rotating the fan, the fan being adapted to induce air into the housing behind the radiator and to move the air through said radiator exteriorly of the pipes thereof and subsequently through said conduit system, filter cloths suspended in the housing behind the fan in the path of the indrawn air, a water supply line adapted to pass water through said cloths, a tank beneath said cloths for receiving water drainage therefrom, a line connecting the interior of said tank with the interior of the water container in said casing and adapted to maintain an equal water level in said tank and container, a float in said tank, a valve in said water supply line and controlled by said float for replenishing and shutting off the water supply to said tank, and a pilot and thermostatic control means associated with said heating element.

1,983,295
ABSORBER FOR REFRIGERATION SYSTEMS
Peter Köhler, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware
Application November 11, 1930, Serial No. 494,827
In Germany January 24, 1930
14 Claims. (Cl. 261—104)



1. An absorber comprising a tube within a tube, means at the ends of said tubes forming a closed chamber therebetween, inlet and outlet connections for circulation of both liquid and gas through said chamber, and cooling coils secured to the exterior of the outer tube and to the interior of the inner tube.

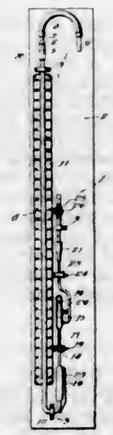
1,983,296
ARRANGEMENT IN MULTICELL ELECTROLYZERS
Ludwig Lacher and Hans Niederreither, Munich, Germany, assignors to the firm Lawaczeck Gesellschaft mit beschrankter Haftung in Liquidation, Berlin, Germany
Application July 23, 1932, Serial No. 624,260
In Germany August 28, 1931
7 Claims. (Cl. 204—5)



1. Gas-producing electrolyzing apparatus comprising a battery having a plurality of cells of filter-press type arranged with their electrodes

substantially at right angles to a common axis, common internal inlet and outlet conduit means connecting all said cells in multiple for the supplying of electrolyte thereto and for the escape of gas and electrolyte therefrom, said conduit means including distributing and collecting portions close to the cells and extending substantially parallel to said axis, said axis being located at an angle of not less than 5 degrees to the horizontal, external inlet and outlet conduit means communicating with said internal conduit means and extending above the highest point of the battery, and gas separating means connecting said external inlet and outlet conduit means at such a height above the battery that the gas-lift effect of the column of liquid and gas in said internal and external outlet conduit means and the liquid head in said internal and external inlet conduit means maintain a circulation velocity producing a drop of pressure across each cell for assuring an active circulation through all the cells of the battery and preventing the accumulation of gas in any said cell.

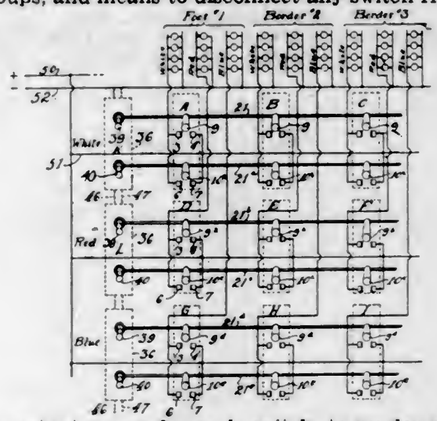
1,983,297
RESERVOIR FOR MERCURY INSTRUMENTS
Harold J. Lawrence, Chicago, Ill., assignor to Stromberg Motoscope Corporation, Chicago, Ill., a corporation of Illinois
Application July 5, 1934, Serial No. 733,753
3 Claims. (Cl. 73—31)



1. In combination, a capillary tube adapted to carry a column of mercury, a reservoir for a supply of mercury connected to said tube, a second reservoir connected to said first mentioned reservoir and positioned above the same, a valve interposed between said reservoirs, an inlet tube connected into said second reservoir, and a valve controlling said inlet.

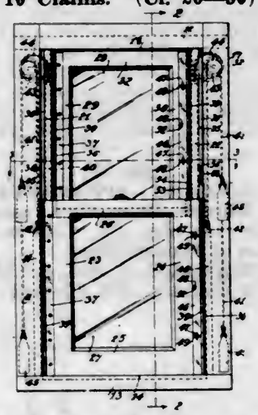
1,983,298
ELECTRIC SWITCH AND SYSTEM
Albert R. Locke, Oak Park, Ill.
Original application August 14, 1922, Serial No. 581,610. Divided and this application August 22, 1927, Serial No. 214,471. Renewed March 5, 1934
11 Claims. (Cl. 171—97)

1. A system of electrical distribution including a plurality of groups of circuits; a pair of switches in each circuit unit of each of the groups; an actuator for selectively and coincidentally controlling like switches of all of the groups, and means to disconnect any switch from



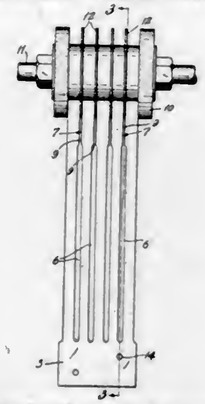
the actuator, one for each switch, to render said disconnected switch inoperative by said actuator.

1,983,299
WINDOW CONSTRUCTION
Peter E. Minchakievich, New York, N. Y.
Application July 28, 1934, Serial No. 737,349
10 Claims. (Cl. 20—50)



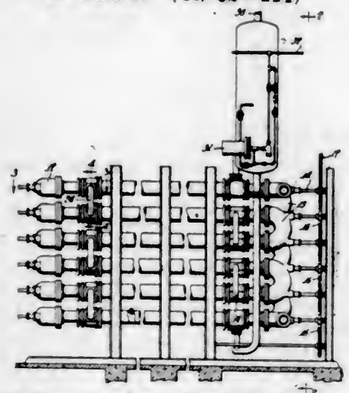
1. In a window construction, in combination, a window frame having jambs, a window sash having stiles and normally disposed between said jambs, means cooperative with one of said stiles and said frame comprising mounting means whereby said sash is carried by said frame for pivotal movement on a vertical axis and is guided to slide vertically, means cooperative with the other said sash stile and the adjacent frame jamb comprising a stationary concealed slideway embodied in the latter jamb and extending longitudinally thereof with a longitudinal slot opening from said slideway to the exposed face of this jamb, a slide forming a guide member slidably housed and thereby retained within said stationary slideway, a rotatively stationary slidable element fixed to said guide member to slide therewith and extending out through said slot, said slotted stationary slideway being adapted to prevent rotative movement of said slidable element, and manually operable connecting means adapted for disconnectibly connecting the latter sash stile to said slidable element to slide therewith and to prevent swinging movement of said sash on its said mounting means while also being adapted to be operated so as then to provide for such swinging movement of said sash.

1,983,300
METHOD OF MAKING GIN RIBS
Orville Mitchell, Dallas, Tex.
Application November 23, 1931, Serial No. 576,776
5 Claims. (Cl. 29—163.5)



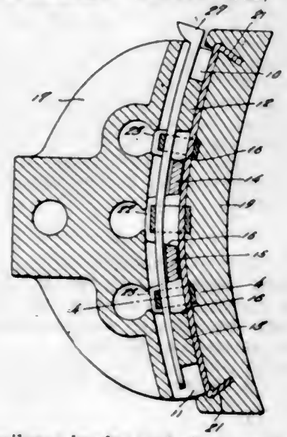
1. The method of manufacturing gin ribs, which consists in casting a group of equally-spaced ribs integral with supports at their opposite extremities and with relatively thin integral webs connecting corresponding end portions of the ribs and flush with the inner surfaces thereof, and then simultaneously applying to the respective webs a series of grinding wheels spaced apart the distance separating the saws of the gin and each of which is the exact width of the working space for a gin saw, and grinding through the central portion of said webs, throughout the length thereof, with said grinding wheels.

1,983,301
COOLING APPARATUS
William M. Morgan, Tulsa, Okla., assignor to The Carbondale Machine Co., Carbondale, Pa., a corporation of Pennsylvania
Application September 16, 1931, Serial No. 563,027
8 Claims. (Cl. 62—114)



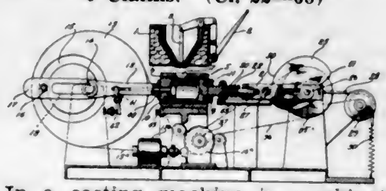
1. An apparatus for chilling liquid to separate solids therefrom, including a plurality of straight pipe sections, headers connecting said sections in series to form a zig-zag conduit having a liquid inlet in the uppermost pipe section, and a liquid outlet in the lowermost pipe section, means for scraping solids from the interior of said pipe sections, outer pipe sections encircling said first mentioned pipe sections and forming jackets for said straight pipe sections, headers connecting said outer pipes in series, an accumulator above said pipes and having a feed conduit leading to the jacket of the lowermost pipe section near the liquid outlet end thereof for delivering volatile liquid refrigerant and maintaining said jackets flooded with said liquid refrigerant, and a gas return conduit leading from the jacket of the top pipe section to said accumulator.

1,983,302
RAILWAY BRAKE HEAD AND SHOE
James Murphy, Chicago, Ill.
Application June 19, 1933, Serial No. 676,572
6 Claims. (Cl. 188—243)



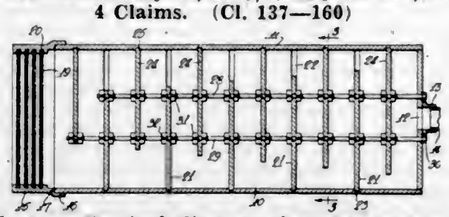
4. In a railway brake and shoe combination, a head having two pairs of center lugs spaced from each other to leave a center space therebetween and each pair of lugs having a longitudinal space therebetween, two pairs of toes, one pair at each end of the head in arcuate alignment with said pairs of lugs, straps interconnecting the toes and lugs of each pair thereof, and a brake shoe having three pairs of lugs, one central and extending between the pairs of center lugs on the head, and two pairs of lugs extending between said center pairs of lugs and said toes, straps interconnecting said pairs of lugs on the shoe, and a key extending between all of said pairs of lugs and toes whereby to engage said straps and hold the shoe on the head.

1,983,303
CASTING MACHINE
William G. Newton, Hamden, Conn.
Application August 14, 1930, Serial No. 475,180
Renewed October 18, 1933
9 Claims. (Cl. 22—68)



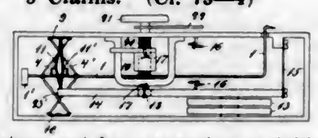
3. In a casting machine in combination, a chamber having a port therein to which a mold is adapted to be connected, a pressure piston working in said chamber, power means for advancing said piston, a movable abutment in said chamber movable to cover and uncover said port, a power actuated movable support for the abutment and spring means for yieldingly supporting said abutment from said support, said spring means being of sufficient power to yieldingly support and sustain said abutment during the making of the "shot".

1,983,304
MUFFLER
John Olson, Brooklyn, N. Y., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application July 24, 1929, Serial No. 380,506
4 Claims. (Cl. 137—160)



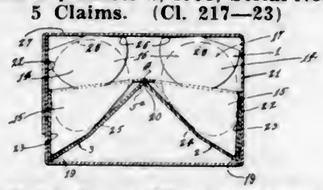
1. A muffler including an elongated casing of generally rectangular cross sectional shape having a sound wave inlet opening in one end and being open at its other end, a staggered series of generally rectangular sound wave shattering baffles extending transversely of the casing, said baffles being spaced alternately from opposite walls of said casing and providing passages of progressively increasing size toward the open end of said casing.

1,983,305
MEASURING INSTRUMENT
Josua Gabriel Paulin, Eskilstuna, Sweden
Application August 14, 1930, Serial No. 475,152
In Sweden August 17, 1929
5 Claims. (Cl. 73—4)



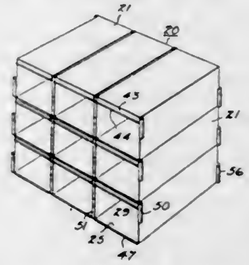
1. An instrument for measuring variable forces comprising in combination, two stationary fixtures, a first system of flexible members stretched between said fixtures, a rotary member, two parts the distance between which is variable under and by the influence of the forces to be measured, a second system of flexible members connecting said parts and extending substantially perpendicularly to the direction of stretching of the first system, said rotary member in suspended position being connected with both of said systems in such a manner as to cause the two systems to exert opposite turning moments upon the rotary member about an axis of rotation substantially parallel with the direction of stretching of the first system.

1,983,306
EGG BOX FILLER AND CARTON
Noel A. Petter, Los Angeles, Calif., assignor to Standard Paper Box Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 2, 1931, Serial No. 560,699
5 Claims. (Cl. 217—23)



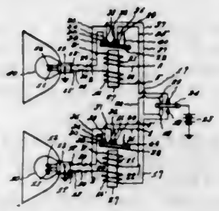
1. A carton to form a filler for an egg-box, consisting of a flattened tube having a longitudinal folded edge, and having incisions passing through its wall adjacent the folded edge, said incisions forming integral flaps capable of being swung into a substantially vertical position to form partition walls in the filler dividing the box into egg pockets, said carton further having a second folded edge, and having longitudinal score lines enabling the second named folded edge to be moved into engagement with the first-named folded edge when the carton is set up to form the filler.

1,983,307
SECTIONAL FILING CABINET
Walter F. Regenhardt, Cleveland, Ohio
Application October 11, 1933, Serial No. 693,067
9 Claims. (Cl. 45—2)



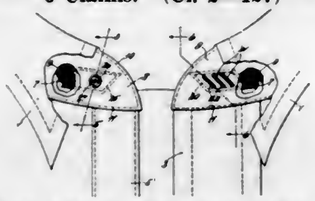
1. A filing cabinet section arranged for interlocking engagement in side by side and in stacked relationship with like cabinet sections comprising a bottom wall and opposite side walls joined with the bottom wall, said side walls being bent to form sleeves, the bottom of the sleeve of one side wall being disposed above the horizontal plane of the top of the sleeve of the other side wall, whereby said sleeves will interfit with sleeves of like cabinet sections.

1,983,308
CONTROL FOR ELECTRICAL DEVICES
Chester S. Ricker, Waukesha, Wis.
Application March 26, 1931, Serial No. 525,449
5 Claims. (Cl. 171—97)



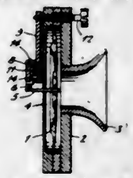
1. In a lighting system for automobiles, one or more head-lamps, an electric lamp-bulb for each of said head-lamps, said lamp-bulb having two filaments to produce headlight beams of different characters, a source of current for said filaments, one end of each of said filaments being connected to one pole of said current-source, a main switch having two stationary contacts and a movable contact, the latter being connected to the other pole of said current-source and being selectively movable into and out of engagement with said stationary contacts, a main circuit and a bridge circuit respectively electrically interconnecting each of said stationary contacts with said two filaments, a normally closed secondary switch in each bridge circuit, and an electro-magnetic device operated by current in each main circuit for opening the secondary switch in the associated bridge circuit.

1,983,309
ADJUSTABLE COLLAR BAND
Wilton Rubinstein, Clayton, Mo.
Application August 24, 1934, Serial No. 741,352
5 Claims. (Cl. 2—127)



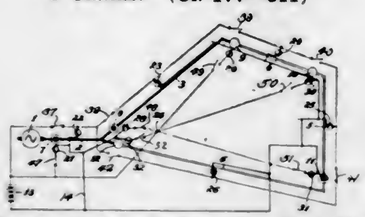
1. A shirt having detachable edges, a collar band composed of inner and outer plies and an interposed lining all of textile fabric having longitudinal threads extending approximately parallel with the lower edge of the collar band and having transverse threads extending vertically across the collar band, and a section of textile fabric attached to said lining and having the warp and woof threads thereof inclined and extending obliquely across said longitudinal and transverse threads adjacent to one end of the collar band, said one end of the collar band having buttonholes cut through said inner and outer plies and said lining obliquely across said longitudinal and vertical threads and cut through said section parallel with the warp threads thereof.

1,983,310
PHONOGRAPHIC APPARATUS
Lawrence T. Sachtleben, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1933, Serial No. 673,863
7 Claims. (Cl. 274—5)



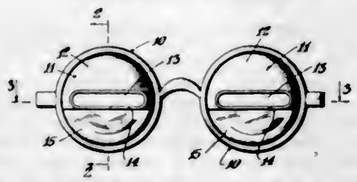
1. Phonographic apparatus comprising a member arranged to be moved for translating sound impulses into light impulses, means comprising a pivotal support for said translation member, and means arranged to flex said means for shifting the position of the pivotal support.

1,983,311
LUMINOUS DUPLICATING SYSTEM FOR THE PURPOSE OF SUPERVISING ELECTRICAL DISTRIBUTING SYSTEMS
Manfred Schleicher, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application January 3, 1929, Serial No. 330,127
In Germany January 6, 1928
3 Claims. (Cl. 177—311)



1. The combination of an electrical distributing system comprising a source of current, line sections, and switches, with a miniature reproduction of said system, such reproduction including line section symbols and switch symbols; lamps for illuminating said symbols; another miniature reproduction of said distributing system, such second reproduction comprising a source of current, electrical conductors, and auxiliary switches, in a relative arrangement corresponding to that of the source of current, line sections, and switches of the distributing system, connections, controlled by said auxiliary switches, between said second reproduction and those lamps which illuminate the line section symbols, to supply current to said lamps according to the position of the auxiliary switches of such second reproduction; additional switches, each operatively associated with one of the auxiliary switches of the second reproduction, and connections, controlled by said additional switches, to supply current to those lamps which illuminate the switch symbols, according to the position of the respective additional switches; and connections whereby said operatively associated pairs of switches are connected with the corresponding switches of the distributing system; the circuits which control the lamps illuminating the switch symbols, being independent of the circuits which control the lamps illuminating the line section symbols, so that the switch symbols will be illuminated solely according to the position of the respective switches of the distributing system, irrespective of the electrical condition of the line sections of said system.

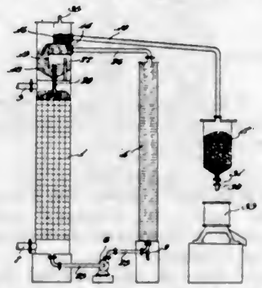
1,983,312
OPTICAL DEVICE
Peter Schlumbohm, New York, N. Y., assignor to Centa Trading Corporation, New York, N. Y., a corporation of New York
Application October 25, 1933, Serial No. 695,082
6 Claims. (Cl. 2—14)



1. An eye shield comprising a diaphragm over each eye, each diaphragm being provided with a horizontal slot disposed on the level of the center of rotation of the eye and with a forwardly projecting tube in registry with said slot, the height of the slot and the corresponding diameter of the inside of the tube being larger than the normal diameter of the pupil of the eye and the lateral length of the slot and corresponding diameter of the inside of the tube being sufficient to give lateral vision with the upper and lower inside walls of the tube disposed substantially parallel to each other, the forward length of the tube being sufficient to augment the subjective intensity of a viewed object by creating a field stop, each diaphragm consisting of a major portion and a minor portion, the major portion including the upper half of the diaphragm, the horizontal slot and the forwardly projecting tube associated therewith, with at least the major portion being opaqued to screen out light rays.

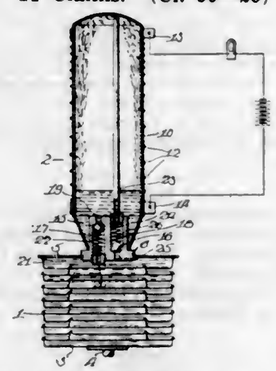
1,983,313
SULPHUR SEPARATOR
Robert Schönfelder, Dortmund-Eving, Germany
Application January 10, 1929, Serial No. 331,571
In Germany January 19, 1928
10 Claims. (Cl. 210—51)

1. A sulphur separator for use in connection with apparatus for purifying gases, such as fuel gas, air, or other gases, from sulphur impurities, such as hydrogen sulphide, said separator comprising, in combination, a vessel, walls dividing its interior into three compartments, of which two are located above one another and the third is located laterally from said two, the upper portion of said third compartment communicating with the upper compartment of the first-mentioned two, and the lower portion of the third



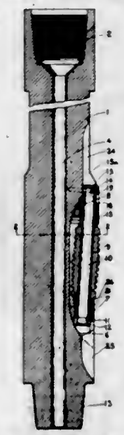
compartment communicating with the lower compartment of the first-mentioned two, two pipes extending from the lower of said first mentioned compartments through the bottom of said vessel, the upper end of one of them lying at a higher level than the upper end of the other, there being two lateral apertures communicating with the upper compartment and lying at different levels, substantially as disclosed and for the purpose set forth.

1,983,314
HEAT MOTOR
Roy M. Schultz, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application June 14, 1929, Serial No. 370,968
11 Claims. (Cl. 60—25)



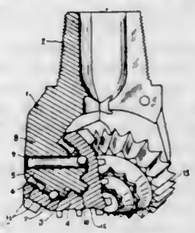
1. A heat motor comprising, in combination, an expansible and contractible vessel and a substantially closed tube in communication with said vessel, a volatile liquid in said vessel and said tube, means for creating a vapor pressure in said tube and consequently a pressure in said vessel comprising an electrically operated heat coil about said tube providing a heating zone for the liquid in said tube, said pressure depressing a substantial portion of the liquid from said tube into said vessel to maintain the latter expanded while said heat coil remains energized, and means for spraying the liquid depressed into said vessel back into said tube to effect rapid cooling thereof and condensing of the vapor upon initial condensation of the vapor when said heat coil is deenergized.

1,983,315
MOUNTING FOR REAMER CUTTERS
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application October 27, 1931, Serial No. 571,323
7 Claims. (Cl. 255—73)



1. In a well reamer, a head having cutter-receiving recesses in the sides thereof, upper and lower blocks fixed in position in said recesses, bushings inserted into openings in said blocks, means to prevent rotation of said bushings, cutter pins in said bushings removable upwardly therefrom, cutters on said pins and means engaging said pin and head above said bushings to lock said cutter pins removably in position.

1,983,316
THREE-CONE BIT
Floyd L. Scott and Lewis E. Garfield, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application April 17, 1933, Serial No. 666,472
7 Claims. (Cl. 255—71)

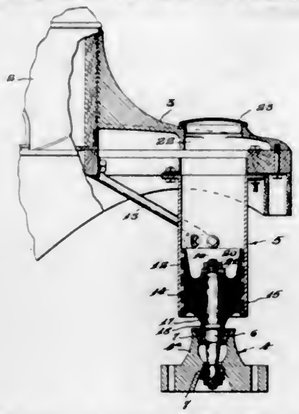


1. A well drill comprising a head longitudinally divided into three sections, a threaded shank on said head, a downwardly and inwardly inclined cutter shaft on each section, cutters mounted on said shafts and enclosing the ends thereof, and teeth on said cutters interfitting between the teeth of adjacent cutters, whereby said teeth may be comparatively long and penetrating.

1,983,317
COUPLING FOR TRAILERS
Jacob A. Seitz, Syracuse, N. Y.
Application March 27, 1933, Serial No. 662,886
8 Claims. (Cl. 280—33.1)

8. A coupling for trailers comprising lower and upper units mounted respectively on the power car and the trailer, one unit comprising a base and a king pin having swivel bearings in the base

and the other unit comprising a hollow member having a block of elastic yielding material formed with a passage for receiving the king pin, where-



by the king pin is connected to the unit, which has the hollow member and block of elastic material, through a yielding universal joint action.

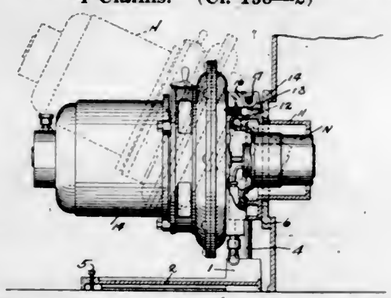
1,983,318

MOUNTING FOR OIL BURNERS

Carl E. Shields, Greenwich, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware

Application August 3, 1932, Serial No. 627,323

4 Claims. (Cl. 158—2)



3. In combination a support adapted to be bolted to a furnace front and comprising a base member and an upright member, the upright member being provided with an open socket hinge member, a burner, a hinge member carried by said burner and adapted to be received by said open socket hinge member to suspend the burner therefrom, said burner being adjustable vertically with respect to said support and means for adjusting the support angularly relative to the furnace front.

1,983,319

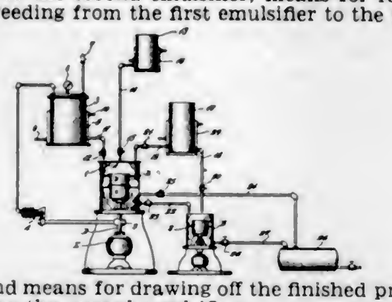
APPARATUS FOR MAKING FACIAL AND MASSAGE CREAM

John French Simpson, Washington, D. C., assignor to Ensemble Manufacturing Company, Inc., Washington, D. C., a corporation of Delaware

Refiled for abandoned application Serial No. 379,311, July 18, 1929. This application September 29, 1932, Serial No. 635,466

8 Claims. (Cl. 259—64)

1. In an apparatus for making massage cream, the combination with two emulsifiers, of supply tanks for the different ingredients, means for regulating the temperature of the ingredients in the supply tanks, means for regulated feeding from certain supply tanks to the first emulsifier, means for regulated feeding from other supply tank or tanks, to the second emulsifier, means for regulated feeding from the first emulsifier to the sec-



ond, and means for drawing off the finished product from the second emulsifier.

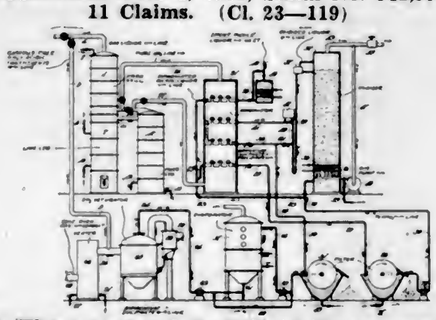
1,983,320

PRODUCTION OF AMMONIA COMPOUNDS

Frederick W. Sperr, Jr., Phoenix, Ariz., assignor to The Koppers Company of Delaware, a corporation of Delaware

Application June 4, 1931, Serial No. 541,993

11 Claims. (Cl. 23—119)



1. The process of manufacturing ammonium salts, which comprises contacting ammonia vapor substantially free from acidic constituents with an iron salt solution to precipitate iron hydrate and to form ammonium salt, removing iron hydrate from the solution, oxidizing the solution to convert ferrous compounds to ferric compounds, removing the iron precipitate after said oxidation, ammoniating the oxidized solution to precipitate a further quantity of iron hydrate, and recovering ammonium salt from the solution.

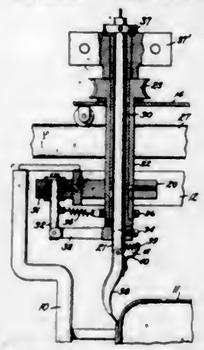
1,983,321

WELDING APPARATUS

Robert M. Stephens, Scotia, and Verni J. Chapman, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application September 19, 1933, Serial No. 690,060

5 Claims. (Cl. 219—8)



1. Welding apparatus comprising a guide track, a welding tool, means for supporting said tool

for movement along said track, a wheel journaled on said tool, and means for holding said wheel in engagement with said track and for rotating said tool to maintain it in a predetermined position relative to the direction of welding.

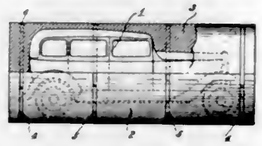
1,983,322

TRANSPORTATION PACKAGE

Henry P. Stewart, Nutley, N. J.

Application January 13, 1933, Serial No. 651,499

12 Claims. (Cl. 206—46)



1. In a transportation package, for articles of large size and substantial weight, an outside envelope for the package premolded in sections of cellulose material of such consistency as to constitute the outside shipping container for the article and an inside contour in contact with said envelope substantially conforming to that of the article to be packed, whereby shipping strains are substantially uniformly distributed over a relatively large area of the article, and means for holding together the sections of the envelope.

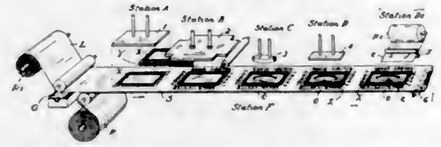
1,983,323

BOX

John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 16, 1932, Serial No. 642,838

20 Claims. (Cl. 93—36)



1. The method of making box elements which comprises effecting adhesive engagement between a strip of box material and a strip of lining material, punching the composite strip to provide apertures, and severing the strip intermediate the apertures to form lined box elements.

1,983,324

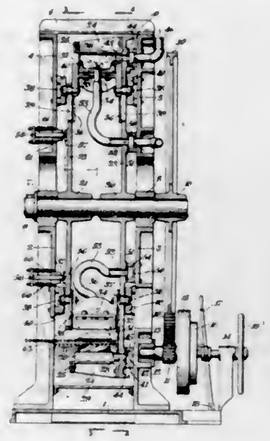
MACHINE FOR MAKING ARTICLES OF PULP

George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey

Application February 25, 1933, Serial No. 658,517

16 Claims. (Cl. 92—56)

1. In a machine of the character described, the combination with a pulp tank, of a suction mold movable through an orbit into and out of said pulp tank, a pulp-compressing couch movable into position to compress the pulp in said mold as said suction mold leaves the pulp tank and out of said position as the suction mold approaches said pulp tank, means for supplying compressed air to said couch during its stay in pulp-compressing position with respect to said suction mold, means for momentarily applying suction to said couch during its movement away from said suction mold, for lifting the pulp article therefrom, means for momentarily supplying compressed air to said suction mold for separating the pulp article therefrom, means for supplying compressed air to said couch as it reaches a position above the pulp mold



in submerged position, and a conveyor extending between said couch and mold in the submerged position of the latter.

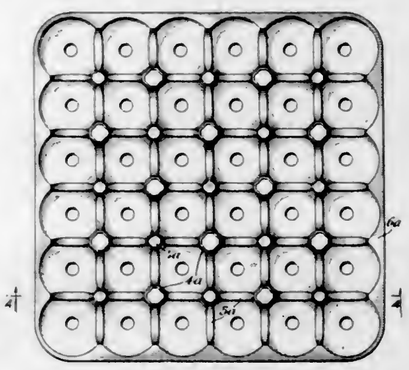
1,983,325

TRAY FOR EGGS AND OTHER FRAGILE ARTICLES

George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey

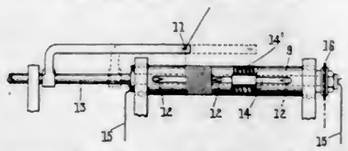
Application December 14, 1933, Serial No. 702,316

4 Claims. (Cl. 217—26.5)



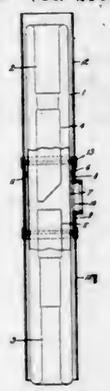
1. An egg tray comprising a plurality of pockets smallest at the bottom and widened upwardly from bottom to top, said egg tray being provided with upwardly contracted hollow columns of uniform cross-sectional form and with a uniform taper in the lateral walls thereof, said hollow columns being respectively centrally arranged with respect to different groups of said pockets, some of said hollow columns terminating in a common plane including the top edges of said pockets and others of said hollow columns being provided with top openings arranged in a common plane intermediate between the first-mentioned common plane and the bottom walls of said pockets, said top openings in the last-mentioned hollow columns being defined by the inner perimetral walls of said last-mentioned hollow walls at the top.

1,983,326
MANUFACTURE OF ARTIFICIAL STAPLE FIBER
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 12, 1931, Serial No. 580,637
In Great Britain February 4, 1931
19 Claims. (Cl. 19—1)



1. Process for the production of staple fibers, comprising winding artificial filaments on a rod of small periphery, allowing the filaments while in a somewhat plastic state to remain on the rod for a sufficient period to acquire a curved set, and cutting the filaments from the rod to form staple fibers having a permanent curl.

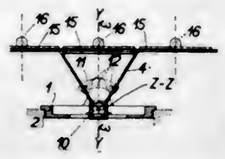
1,983,327
COVERING FOR X-RAY APPARATUS
Alfred Ungelenk, Thuringia, Germany, assignor to General Electric Company, a corporation of New York
Application April 11, 1930, Serial No. 443,586
In Germany April 19, 1929
4 Claims. (Cl. 250—34)



1. In combination, an X-ray tube and a protective cover for the envelope of said X-ray tube, said envelope consisting in part of a metal cylinder which surrounds the discharge zone, said cover comprising a cylinder of X-ray absorbing material surrounding the envelope and spaced therefrom a substantial distance to permit free circulation of air from the exterior of said cylinders into the space between said cylinders, the cylinders being maintained at substantially the same potential.

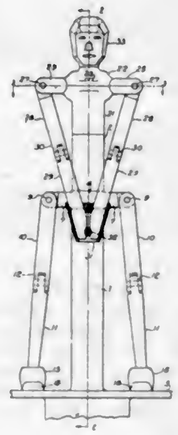
1,983,328
IMAGE-PLATE HOLDING CHAMBER FOR IMAGE-MEASURING DEVICES
Otto von Gruber and Franklin Pfeiffer, Jena, Germany, assignors to the firm of Carl Zeiss, Jena, Germany
Application January 6, 1932, Serial No. 585,023
In Germany January 10, 1931
5 Claims. (Cl. 88—29)

1. An image-plate holding chamber for image-measuring devices, this chamber being a single chamber and containing an objective, means for coordinating to this objective a plurality of image-plates subsequently to each other, a carrier for supporting the chamber, means for so adjusting the chamber relatively to the carrier that the optical axis of the objective may assume different positions relatively to the carrier, these different positions corresponding to the different positions of the optical axes of a multiple camera used for the exposure of the said image-plates, and locking means adapted to lock the



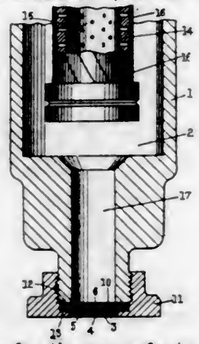
chamber to the carrier in its different positions relative to the carrier, the carrier being adapted to be so rotated relatively to the image-measuring device that the said chamber, when locked to the carrier, may be given a position in which the position of the image-plate coordinated to the objective relative to the image-measuring device is equal to the position the image-plate assumed relatively to the landscape at the moment of the exposure.

1,983,329
MECHANICAL FIGURE FOR EXEMPLIFYING THE GOLF SWING
John D. Wallace and Clifford H. Landis, Chicago, Ill., assignors to J. D. Wallace & Co., Chicago, Ill., a corporation of Illinois
Application September 3, 1932, Serial No. 631,702
22 Claims. (Cl. 35—16)



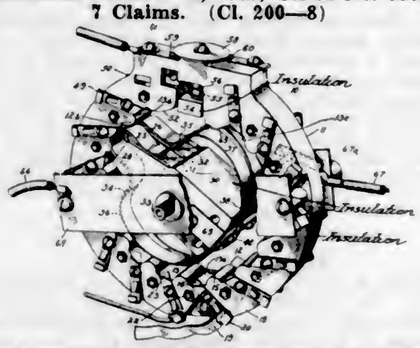
1. A robot for exemplifying the golf swing comprising a body having movable arms, means for swinging said arms so as to move their wrist portions in a substantially elliptical path, and a stationary indicator separate from said arms but disposed in substantially an oblique plane for indicating one position assumed by a golf club during its swing, a portion of said indicator representing the club handle being located adjacent said elliptical path but spaced from said path so as not to obstruct the full swing of said wrist portions.

1,983,330
MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FILMS, OR THE LIKE
Sidney Arthur Welch, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application June 27, 1929, Serial No. 374,188
In Great Britain July 6, 1928
10 Claims. (Cl. 18—8)



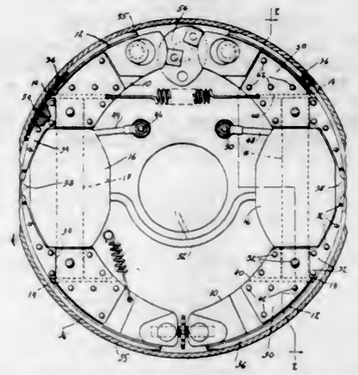
6. Apparatus for the manufacture of filaments, threads, films or the like by the extrusion of solutions of cellulose or cellulose derivatives, comprising an extrusion nozzle provided with one or more extrusion orifices, a member fitted behind and in close proximity to said nozzle and provided with a number of substantially parallel longitudinal capillary passages arranged substantially parallel to the line of flow taken by the solution to the extrusion orifice or orifices.

1,983,331
MULTIPOLE SWITCH
Ralph D. Amsden, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 17, 1933, Serial No. 693,929
7 Claims. (Cl. 200—8)



7. A multipole switch, comprising a cylindrical support formed of insulating material, said support being provided with a plurality of depressions on its inner periphery, a plurality of conductors secured to one face of said support and extending tangentially thereto, the ends of said conductors being formed so as to engage corresponding depressions, a plurality of conductors on the opposite face of said support and extending in an opposite tangential direction, the ends of said conductors being formed so as to engage corresponding depressions, and fastening means for each of said conductors extending through said support, the opposite tangential relationship of said conductors permitting a maximum amount of insulation between said conductors and said fastening means, a rotatable supporting member formed of insulating material and having an end portion provided with parallel channels, a pair of U-shaped contact members slidably engaging said channels, resilient members each of which has its ends secured to one of said U-shaped contact members, means for securing the mid-portion of each resilient member to said rotatable member, said resilient members being arranged to bias said contact members into engagement with the ends of said conductors. A switch operating member mounted between a pair of said ridges normally biased to a circuit closing position, and means for operating said rotatable member and said rigid members into operative relation with said switch member so as to operate with a snap action said switch member from said closed circuit position to an open circuit position.

1,983,332
MAGNETIC DUO-SERVO BRAKE
Vincent G. Apple, Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application January 23, 1930, Serial No. 422,751
14 Claims. (Cl. 188—164)



1. In brake mechanism, a brake friction member comprising a plurality of laminations forming an electro-magnet core and a friction surface positioned thereby.

1,983,333
ANTISLAGGING ARRANGEMENT
Wilbur H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.
Application March 2, 1932, Serial No. 596,234
7 Claims. (Cl 122—303)



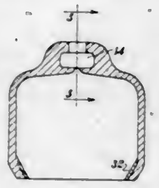
1. A boiler having a bank of generating tubes inclined to the horizontal, a plurality of rows of water tubes between which the gas flow is unimpeded, forming a group having an anti-slagging effect and spaced below said bank, and a superheater between said bank and said second mentioned tubes and so arranged that all the gases passing between said rows pass also between the tubes of the superheater, said superheater having those of its tubes adjacent its lower side arranged to produce a substantial additional anti-slagging effect whereby said superheater may receive higher temperature gases without slagging up than would otherwise be the case.

1,983,334

METHOD OF FORMING INSULATOR CAPS

Arthur O. Austin, near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application August 14, 1931, Serial No. 557,018
14 Claims. (Cl. 29—155.52)



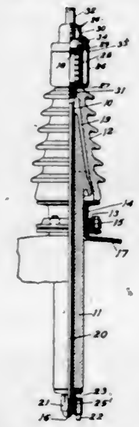
1. The method of manufacturing insulator caps comprising the steps of severing from a tubular blank sections, each of proper length to form a cap and closing one end of each severed section and forming a supporting attachment on the closed end.

1,983,335

BUSHING INSULATOR

Arthur O. Austin, near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application December 26, 1931, Serial No. 583,191
22 Claims. (Cl. 173—318)



1. An insulator having an internal cavity adapted to contain a filling liquid, a source of liquid supply for filling said cavity and means operated by temperature changes to which said insulator is subjected under working conditions for pumping liquid from said source into said cavity.

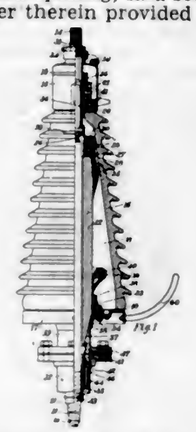
1,983,336

POTHEAD

Arthur O. Austin, near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a corporation of Ohio

Application November 26, 1932, Serial No. 644,414
9 Claims. (Cl. 247—6)

9. A pothead for a conductor having an opening through the wall thereof, a tubular insulator having a tapered end extending through said opening and having a liquid tight joint with the wall of said pothead, means for securing a conduit having a cable therein to the wall of said pothead about said opening, said securing means having a chamber therein provided with a hand



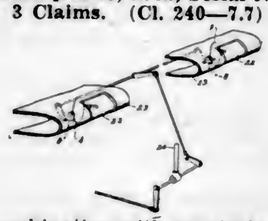
hole to permit manipulation of the cable within said chamber, and a removable covering for said hand hole.

1,983,337

SEARCHLIGHT

Frank A. Benford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 29, 1932, Serial No. 608,245
3 Claims. (Cl. 240—7.7)



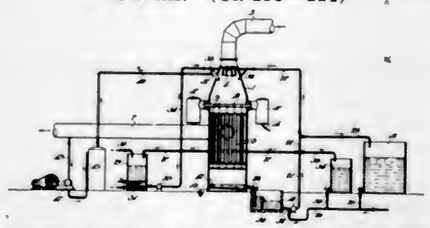
1. The combination with an airplane having a landing control lever and a landing light comprising a parabolic reflector and a light source, of means for adjusting the reflector and light source relatively to each other to cause the light source to move in front of the reflector in a path at right angles to the normal position of the beam axis from said reflector, and means connecting said adjusting means to said control lever.

1,983,338

TREATMENT OF GAS

Gilbert A. Bragg, deceased, late of Pittsburgh, Pa., by Fidelity Trust Company, executor, Pittsburgh, Pa., assignor to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware

Application May 5, 1932, Serial No. 609,462
2 Claims. (Cl. 183—114)



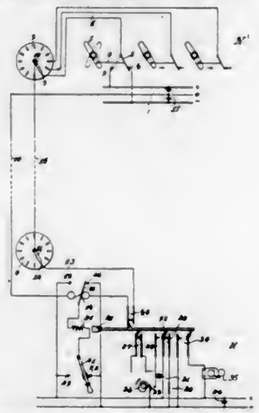
1. The process of removing suspended particles from a gas, which comprises atomizing tar into the gas, subjecting the gas and atomized tar to the action of an electric field whereby tar and suspended particles are precipitated, withdrawing substantially clean gas, compressing part of the withdrawn clean gas, and employing clean compressed gas to atomize a further quantity of tar into a further quantity of gas.

1,983,339

REMOTE CONTROL PLANT

Leo Brandenburger, Berlin-Halensee, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application February 27, 1929, Serial No. 343,040
In Germany February 29, 1928
4 Claims. (Cl. 177—311)



1. In an apparatus of the kind described having a main station and a substation, the combination with a member at the substation movable to a plurality of positions and a manually operated position indicator at the main station movable to positions corresponding to those of said movable member, of a switch at the main station, electromagnetic means to operate the switch in correspondence with the position of the movable member, an alarm circuit at the main station, means to close said alarm circuit when said position indicator and said switch are in non-corresponding positions and to open said alarm circuit when said position indicator is moved to a position corresponding to that of said switch, means to render inoperative said electromagnetic switch operating means when said alarm circuit is closed whereby the alarm circuit can be opened only by the movement of the manually operated position indicator to a position corresponding to the position of said switch.

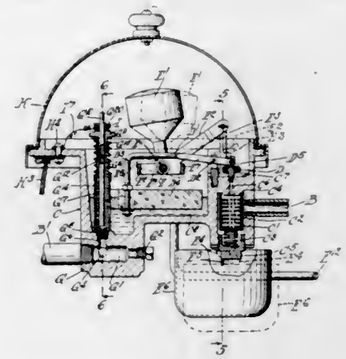
1,983,340

AUTOMATIC CUT-OFF DEVICE

James L. Breese, Jr., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Chicago, Ill., a corporation of Illinois

Original application May 14, 1927, Serial No. 191,296. Divided and this application February 15, 1930, Serial No. 428,845
7 Claims. (Cl. 137—68)

1. A constant level chamber having an inlet, means for normally maintaining a constant level therein including a valve to control said inlet, means for stopping the delivery of liquid into the chamber when the liquid therein has reached a predetermined level, said means including an actuating member for said valve, an overflow bucket secured to said member and receiving excess liquid from the chamber, said actuating member having a weight thereon movable past dead center position to quickly close the valve.

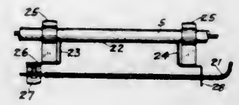


1,983,341

APPARATUS FOR AND METHOD OF TESTING THE CONDITION OF THE HIGH-TENSION IGNITION SYSTEM OF AN OPERATING INTERNAL COMBUSTION ENGINE

William E. Brown, Milwaukee, Wis., and Leon S. Brach, East Orange, N. J.; said Brown assignor to said Brach

Application September 20, 1932, Serial No. 633,970
4 Claims. (Cl. 175—183)



1. Apparatus for testing any high-tension ignition cable circuit on an operating internal combustion engine including two units interconnected by a single conductor, one unit comprising an indicator carrying a gas-filled bulb permanently attached to a support for observation purposes, said bulb having a plurality of spaced electrodes, one of which is connected to the ground side of the ignition system, the other of said units including a pair of spaced spring-clips adapted to be snapped over the cable without piercing it, said clips being carried on opposite ends of a metallic strip so the strip will lie in close proximity to said cable, means being provided for attaching said conductor to said clip and strip assembly.

1,983,342

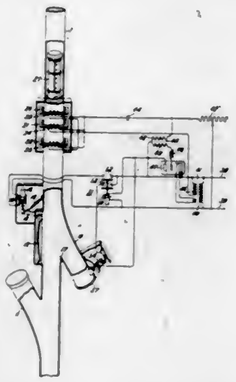
CARRIER CONVEYER SYSTEM

Dudley E. Chambers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 16, 1932, Serial No. 617,598
5 Claims. (Cl. 243—16)

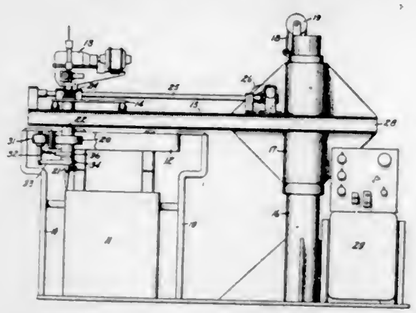
1. In combination, a conveyer, a carrier arranged to be conveyed thereby, means including a grid controlled valve for deflecting said carrier, means for supplying to said grid a voltage having a phase advance such that the current passing the valve is ineffective to cause the deflection of

the carrier and means on said conveyer responsive to the presence of the carrier for delaying the



phase of the grid voltage whereby the deflecting means is actuated.

1,983,343
WELDING APPARATUS
Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 19, 1933, Serial No. 690,059
14 Claims. (Cl. 219—8)

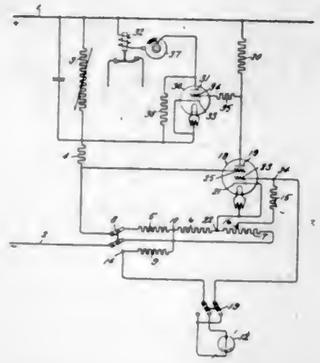


1. Welding apparatus comprising a guide track, a welding tool, a wheel supported for rotation about said tool, means for supporting said tool for movement along said track, means for holding said wheel in engagement with said track, and means for rotating said wheel.

1,983,344
MANUFACTURE OF THERAPEUTIC CALCIUM PREPARATIONS
Vincent Christina, Bayside, N. Y., assignor to Intravenous Products Co. of America, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 17, 1933, Serial No. 661,354
9 Claims. (Cl. 167—68)

1. A process for the preparation of supersaturated aqueous solutions of calcium gluconate, comprising the steps of preparing concentrated calcium gluconate solution the pH of which is maintained at a value of approximately 6.0 and introducing the said solut on into containers and heating the latter for purposes of sterilization.

1,983,345
PHOTO-ELECTRIC RELAY
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application January 21, 1932, Serial No. 587,925. Patent No. 1,957,247, dated May 1, 1934. Divided and this application February 25, 1933, Serial No. 658,566
3 Claims. (Cl. 250—41.5)



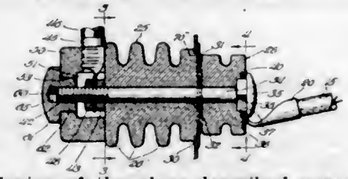
1. A photo-electric relay comprising a photo-electric device and a resistor adapted to be connected in series with a source of current, an electron discharge amplifier having its grid-cathode circuit connected across said resistor and a device operative to reverse the polarity of the voltage applied to said circuit and simultaneously to change the value of said voltage to compensate for the voltage drop in said resistor due to grid current.

1,983,346
SPRING CUSHION
Arthur L. Cucuel, Bristol, Conn., assignor, by mesne assignments, to Cantilever Seat Company, Incorporated, Wallingford, Conn., a corporation of Connecticut
Application May 28, 1932, Serial No. 614,150
4 Claims. (Cl. 155—179)



1. A spring cushion comprising: a supporting-frame having opposite portions respectively extending along opposite, outside, lower edges of the cushion; a plurality of spring-members each having an upper-reach and a complementary lower-reach joined together at one end by a vertically-floating loop normally freely spaced a substantial distance above and overlying one of said opposite portions; the end of the said lower-reach opposite the said loop being anchored to the other of said opposite portions, and the main extent of the lower-reach being normally free for vertical downward flexing to permit the said loop to bodily move downward.

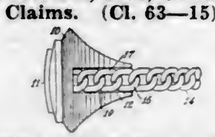
1,983,347
BUSHING MEANS
James C. Daley, River Forest, and Edwin Goddard, Chicago, Ill., assignors to Jefferson Electric Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1931, Serial No. 545,953
11 Claims. (Cl. 173—311)



1. A device of the class described comprising an insulating bushing having a longitudinal opening, an electrical conductor extending through said opening and from the end of sa'd bushing, a conducting lead connected to the extending end of said conductor, a cap member having an outer end provided with an opening and an integral rim enclosing the connection between said lead and said conductor and seating at its inner end upon the outer end of said bushing, the rim of said cap member having a lateral opening through which the conducting lead may extend, means cooperable with the outer end of said cap member and with said electrical conductor for closing the opening in the outer end of the cap member and clamping the inner end of the rim of said cap member to the bushing, and cooperating means formed on the inner end of the rim of the cap member and on the outer end of the bushing for aligning the cap member with respect to the bushing and holding independently of the conducting lead the cap member against turning movement with respect to the bushing

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1,983,348
FINGER RING
Robert T. Dieges, New York, N. Y., assignor to Dieges & Clust, New York, N. Y., a corporation of New York
Application October 2, 1934, Serial No. 746,481
5 Claims. (Cl. 63—15)

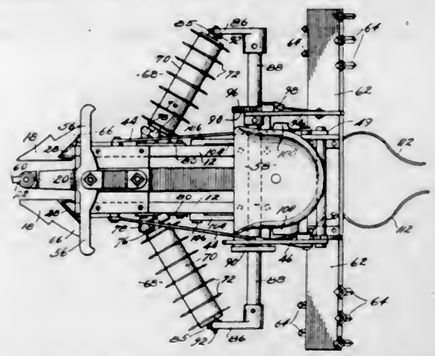


1. A finger ring, comprising a rigid base and rigid band portions extending in opposite directions therefrom to encircle partly a finger of the wearer, each band portion terminating in attaching means, and a flexible chain linked at its opposite ends to the respective attaching means to complete the ring bands.

1,983,349
TEXTILE MATERIAL AND METHOD OF MAKING THE SAME
Camille Dreyfus, New York, N. Y.
No Drawing. Application September 29, 1930, Serial No. 485,324
8 Claims. (Cl. 118—69)

1. The method of forming "spun" yarn comprising extruding a solution of organic derivatives of cellulose containing finely divided insoluble material through orifices into a setting medium, treating the filaments thus formed with a hygroscopic substance, cutting the filaments as formed into compartively short lengths and then associating said short lengths of said filaments together by twisting to form yarn.

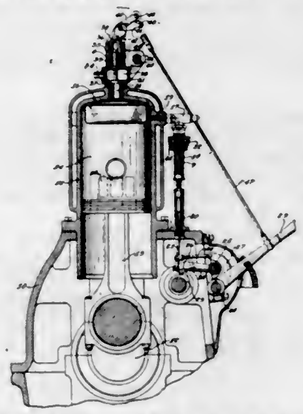
1,983,350
SLED CULTIVATOR
Chester C. Dunbar, Kansas City, Kans.
Application October 16, 1933, Serial No. 693,854
11 Claims. (Cl. 97—140)



1. A sled cultivator comprising a sled having a pair of spaced-apart sled runners; a plow shear slidably mounted on the forward end and in front of each of said runners and extending outwardly from the sides thereof; and means, manually operable, to adjust said plows relative to their respective runners.

2. A sled cultivator comprising a sled having spaced-apart sled runners; a plow shear mounted for vertical adjustment in front of each sled runner; an adjustably mounted disk member carried by each of said sled runners and extending outwardly therefrom with the inner portions thereof positioned in the path of travel of their respective plow shears; and manually operable means for adjusting said disk members.

1,983,351
INTERNAL-COMBUSTION ENGINE
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 10, 1932, Serial No. 628,216
12 Claims. (Cl. 123—32)



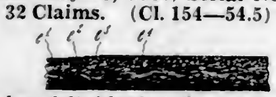
1. The method of operating an engine comprising introducing air and liquid fuel into a combustion chamber, compressing the air and fuel mixture until combustion occurs, introducing negative work in the expansion portion of the cycle only when the engine is idling through the release of gas from the cylinder, and scavenging the exhaust gas from the cylinder.

1,983,352

PRINTER'S BLANKET AND METHOD OF MAKING

Theodore T. Ellis, Worcester, Mass., assignor to New England Fibre Blanket Company, Worcester, Mass., a corporation of Massachusetts

Application May 16, 1930, Serial No. 452,960
32 Claims. (Cl. 154—54.5)



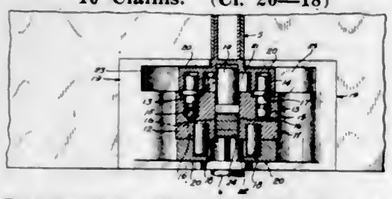
6. A woolen felt blanket for use on the impression cylinder of a newspaper printing press, comprising the product of a loosely woven construction of loosely twisted woollen yarns after being fulled to substantially increased thickness and compressed to a thickness intermediate the woven and fulled thicknesses, and containing binding material which is flexible, moisture resistant and substantially permanent after drying and maintains the blanket in its compressed condition with capacity for further compression and elastic rebound therefrom.

1,983,353

REVOLVING DOOR

Walter S. Ely, New York, and Edmund Peremi, Manhasset, N. Y., assignors to General Bronze Corporation, Long Island City, N. Y., a corporation of New York

Application November 17, 1933, Serial No. 698,482
10 Claims. (Cl. 20—18)



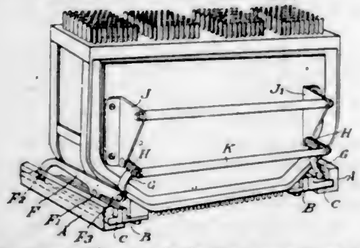
1. In a revolving door, in combination, a rotary central support, leaves foldably mounted on the support and arranged in diametrically opposed pairs, and upper and lower leaf hubs fixed on the central support, one of the hubs being provided at the upper side thereof with a pair of upwardly extending supporting pivot members for each leaf of one pair of opposed leaves and the other being provided at the upper side thereof with a pair of upwardly extending supporting pivot members for each leaf of the other pair of opposed leaves.

1,983,354

INTERCHANGEABLE CONNECTION BOX FOR CARD TABULATORS

Francis Guy Sydenham English, West Croydon, England, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England

Application January 11, 1933, Serial No. 651,202
In Great Britain February 12, 1932
2 Claims. (Cl. 235—58)



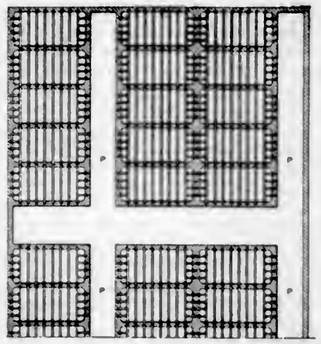
1. For use with a tabulating machine having connection box guides, a connection box comprising a body, supports on said body adapted to engage with and move in said guides whereby said box may be slid into position in the machine, an arm pivoted to the connection box body, a projection on said arm adapted to run in one of said guides, and means tending to turn said arm about its pivot whereby the projection on the arm enters a recess in said guide when the box is pushed in a predetermined extent.

1,983,355

STRUCTURAL TANK UNIT AND ASSEMBLY THEREOF

Gustav E. Escher, Summit, N. J., assignor to White Construction Co., Inc., New York, N. Y., a corporation of New York

Application September 8, 1933, Serial No. 688,576
6 Claims. (Cl. 72—1)



5. An assembly of structural units, each unit comprising a plurality of transverse closed frames, each frame consisting of side post sections, upper girder sections rigidly connected to the upper ends of the side post sections, and lower girder sections rigidly connected to the lower ends of the side post sections, two of the frames constituting end frames of the structural unit, said unit also comprising end post sections having short normal girders rigidly connected to the respective end post sections and also secured to the respective end frames, said frames and end post sections being spaced apart and held in position by a plate wall secured to the inside of said frames and end post sections to enclose the space within the same, and distribute stresses from frame to frame and from the end post sections to the frames, the frames of each unit being spaced to align with the frames of the other sections, said units being arranged in layers and tiers with their respective girders aligned in the layers and their respective posts aligned in the tiers, and thrust-transmitting filler material filling the spaces between the plate walls of the different units and also between the individual frames and end posts of the units.

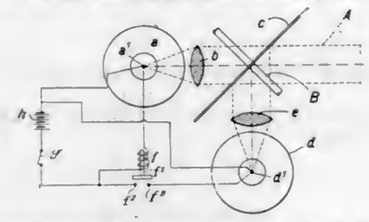
1,983,356

DEVICE FOR SIGNAL PURPOSES

Hugo Eisenhut, Jena, Germany, assignor to Carl Zeiss, Jena, Germany

Application October 31, 1931, Serial No. 572,357
In Germany November 6, 1930
1 Claim. (Cl. 177—352)

A device for signal purposes emitting intermittent light, comprising a rotating disc having at its circumference equally spaced, radially extending transparent parts interrupted by non-transparent parts, the non-transparent parts being reflective at the one side of the disc, two light sources, means for normally energizing one of these light sources, means for energizing the other light source on the failure of the first light source whereby the intermittent flashing of the rays is continued by the second light source upon failure of the first light source, a lens system for each light source, each lens system directing the rays from the corresponding light source into a corresponding substantially parallel pencil, the one light source and the appertaining lens system



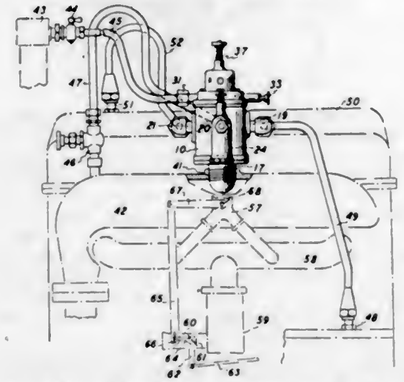
being so disposed at the reflecting side of the non-transparent parts that the axis of this system intersects the said radially extending portions of the disc at an acute angle, and the other light source and the appertaining lens system being so disposed behind the disc that the axis of this system coincides with what is deflected of the optical axis of the lens system of the first said light source.

1,983,357

CHARGE FORMING DEVICE

William Stuart Falconer, Preston East, near Melbourne, Victoria, Australia, assignor to International Motor Patents Proprietary Limited, Melbourne, Victoria, Australia, a company of Victoria

Application June 12, 1934, Serial No. 730,184
In Australia June 28, 1933
2 Claims. (Cl. 123—25)



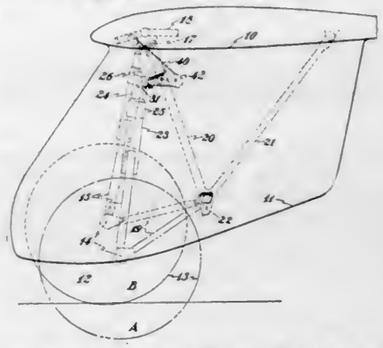
1. Apparatus for the purposes set forth comprising a casing chamber having a bulb bottom extension adapted to depend through an aperture in the engine exhaust manifold so as to absorb heat from exhaust gases therein, a mixing chamber with surrounding clearance within the casing chamber, an open contracted bottom end on said mixing chamber depending into said bulb, a spring loaded air admission valve in the head of said mixing chamber, four pipe connections extending through said casing into said mixing chamber and adapted respectively for connection to the exhaust circuit, to the radiator head, to the engine sump, and to the engine valve casing, a valve in the radiator head connection and a spring loaded delivery valve in a connection from the clearance space within the casing chamber to the inlet manifold of the engine.

1,983,358

AIRCRAFT LANDING GEAR HOLDING DEVICE

Frank W. Fink, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York

Application June 10, 1933, Serial No. 675,204
4 Claims. (Cl. 244—2)



3. In aircraft, in combination, a wing, a fixed landing gear fairing depending from said wing, a landing gear housed within said fairing and having a wheel extending from said fairing for ground contact, said landing gear having an extended position wherein said wheel protrudes a substantial distance from said fairing, and a deflected position wherein said wheel projects only slightly from said fairing, such position being effected by the weight of said aircraft resting on said wheel, and means engageable with said landing gear when deflected, to hold said landing gear in its deflected position.

1,983,359

ULTRA VIOLET RAY TRANSMITTING GLASS

Kitsuzo Fuwa and Fujio Suzuki, Tokyo, Japan, assignors to General Electric Company, a corporation of New York

No Drawing. Application October 25, 1932, Serial No. 639,528. In Japan November 14, 1931
2 Claims. (Cl. 106—36.1)

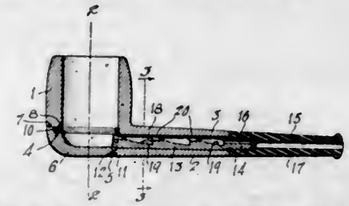
1. The method of manufacturing glass capable of transmitting ultra-violet radiation which comprises adding to the ordinary glass composition, one to five per cent of sodium fluoride and one to five per cent of ammonium oxalate.

1,983,360

TOBACCO PIPE

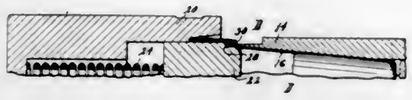
Homer Gamache and Harrison Hance, Newark, N. J.; said Hance assignor to said Gamache

Application February 11, 1933, Serial No. 656,234
9 Claims. (Cl. 131—12)



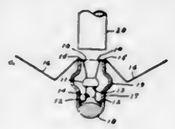
1. A smoker's pipe comprising a bowl having a main portion and a stem having a smoke passage, said main portion being formed at one end adjacent said stem to receive a separable bottom, a separable bottom fitted on said end of said main portion and having an extension in said smoke passage in said stem, and a mouthpiece connected to said extension and said stem.

1,983,361
CONTAINER MADE OF PAPER AND METHOD OF PRODUCING IT
Marshall E. Gazette, Boston, Mass., assignor to Boothby Fibre Can Company, Boston, Mass., a corporation of Massachusetts
Application October 27, 1933, Serial No. 695,438
5 Claims. (Cl. 93—36)



1. The method of forming a cushioned approximately cylindrical seat at the larger end of a tapering tubular body of paper or the like whose walls are uniformly single thick around the tube, comprising the stretching of the stock of the paper of a tapering tube at and adjacent to its larger end to approximate cylindricality, and then annularly and progressively folding together the adjacent expanded and unstretched portions of the paper stock of the tube, with the progression of the folding beginning at the juncture of stretched with unstretched portions, the fold being compound of Z-form having one limb of the Z supported against recession, thereby, with the continuance of the progressive folding causing one annular crease of the compound fold to travel along the paper stock of the other limb of the Z-fold, with loosening of the fibrous structure thereof by the sharp bending thereof, the said folded stock being thereby deposited intervening as a cushion between the unstretched portion of wall and an encircling part of the stretched portion of wall.

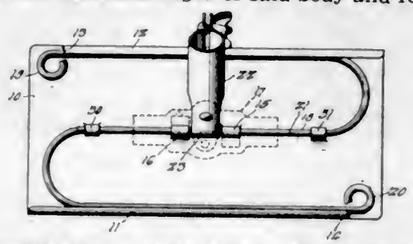
1,983,362
ELECTRIC INCANDESCENT LAMP
Walter J. Geiger and Alfred T. Gaskill, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application April 24, 1934, Serial No. 722,060
11 Claims. (Cl. 176—16)



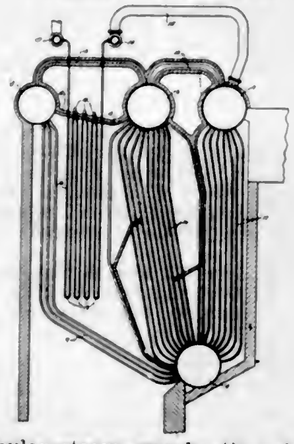
1. An electric incandescent lamp comprising a bulb, a pair of leading-in wires sealed in said bulb, and a concentrated filament mounted on said leading-in wires, one of said leading-in wires extending to and engaging a portion of said bulb, the said extended portion of said leading-in wire being of a predetermined length and thereby locating said concentrated filament in a definite predetermined position in said bulb.

1,983,363
FLOOR POLISHING DEVICE
John Glover, Chicago, Ill., assignor to Midway Chemical Company, Chicago, Ill., a corporation of Delaware
Application April 24, 1933, Serial No. 667,661
10 Claims. (Cl. 15—231)

1. A polishing device comprising a rectangular body, an S-shaped spring of a length and width substantially equivalent to the length and width of said body, and means engaging said spring at its middle section for holding it upon said body, the top and bottom of said spring coinciding with the front and back edges of said body and forming resilient grip pieces for a pad to be attached to said body.



1,983,364
SUPERHEATER
Charles W. Gordon, Munster, Ind., assignor to The Superheater Company, New York, N. Y.
Application February 15, 1934, Serial No. 711,330
7 Claims. (Cl. 122—476)

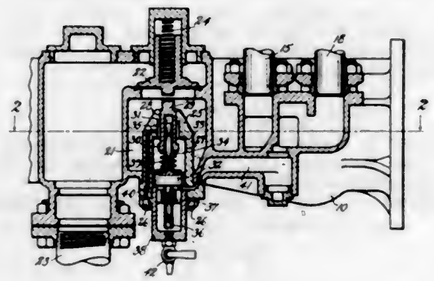


1. A tubular steam-superheating element for use under conditions such that the steam flowing through the element is raised to a temperature of 950° F. or above, comprising a plurality of lengths of tubing exposed to external heating and return bends joining said lengths and protected from said heating, the materials of the tube lengths and return bends being such respectively that the former are and the latter are not adapted to resist, in the presence of steam of said temperature, metal temperatures resulting from exposure to said external heating.

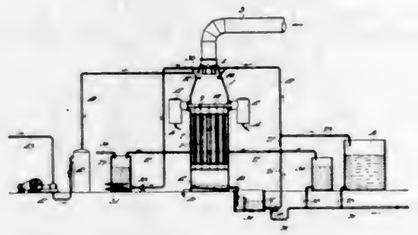
6. The process of making a tubular superheating element comprising the steps of welding relatively short lengths of tubing made of material which can be forge-welded to lengths of tubing which cannot readily be forge-welded, and assembling the resulting compound tubes into continuous tubular elements by uniting the short lengths in pairs into return bends by a forge method.

1,983,365
INJECTOR
Joseph F. Griffin, Teaneck, N. J., assignor to The Superheater Company, New York, N. Y.
Application June 7, 1932, Serial No. 615,855
8 Claims. (Cl. 103—265)

1. In an injector having a water nozzle, an injector body providing a water space in communication with said nozzle, said body comprising a wall having a bore therethrough communicating with said space, a valve for admitting water to said space and means for opening said valve comprising a fluid pressure actuated piston seating against a portion of said wall to prevent leakage of actuating fluid past the piston when the valve is open, and an intermediate element slidably mounted in said bore and actuated by said piston to open said valve, said intermediate element seating at the outer end of said bore when the valve is open to prevent leakage of water from said space to the space in which said piston operates.



1,983,366
TREATMENT OF GAS
Earl V. Harlow, East Orange, N. J., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application April 16, 1932, Serial No. 605,663
2 Claims. (Cl. 183—114)



1. The process of removing pitch from gases containing it, which comprises passing such gas between discharge and collecting electrodes maintained at a potential difference sufficient to cause migration of pitch toward the collecting electrode, introducing a non-aqueous liquid comprising a mixture of coke oven tar and water gas tar in a manner and for the purpose of flushing the collecting electrode of accumulations thereon, and flushing the said collecting electrode with said non-aqueous liquid comprising a mixture of coke oven tar and water gas tar.

1,983,367
INSULATION MATERIAL
Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 30, 1933, Serial No. 663,553
3 Claims. (Cl. 106—13)

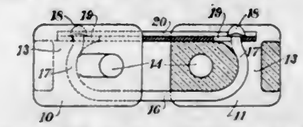
1. An insulation material comprising chromium oxide (Cr_2O_3), an artificial rubber isomer and turpentine.

1,983,368
SEALING MEANS FOR CONTROL RODS
Charles E. Hathorn, Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York
Application April 17, 1933, Serial No. 666,484
2 Claims. (Cl. 286—15)



2. In a closure for a rod passing through a wall, a guide member attached to said wall, a pair of ball socket halves each having edges slidably engageable with said guide member, and a pierced ball seating within said socket, said rod being embraced by said ball.

1,983,369
FITTING FOR STRAIN INSULATORS
William A. Hillebrand, Akron, and Albert M. Morris, Barberton, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 16, 1932, Serial No. 599,136
3 Claims. (Cl. 173—366)

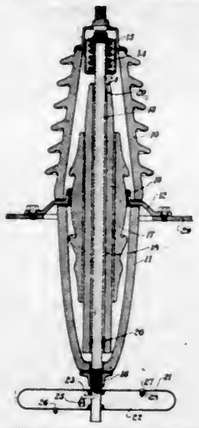


1. The combination with spaced insulators each having a transverse opening therethrough, of an insulator fitting comprising a yoke having spaced arms fixed thereto and extending therefrom in approximately parallel relation to each other through said respective openings, a head on the end of one of said arms and a keeper connecting said arms, said keeper having an opening through one end thereof of sufficient size to permit said head to pass through said opening, said opening having a restricted extension for retaining said head in engagement with said keeper, and means for fastening the opposite end of said keeper to the other arm, said head being resiliently held by said yoke and arms in a position displaced from registration with said opening toward the restricted extension thereof when the end of the yoke opposite said head is fastened to said arm, the resiliency of said yoke and arms being sufficient to permit said head to be readily sprung into position to pass through said opening, said head having a bevelled face for guiding said head into said opening.

1,983,370
BUSHING INSULATOR
William A. Hillebrand, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 18, 1932, Serial No. 605,887
11 Claims. (Cl. 173—318)

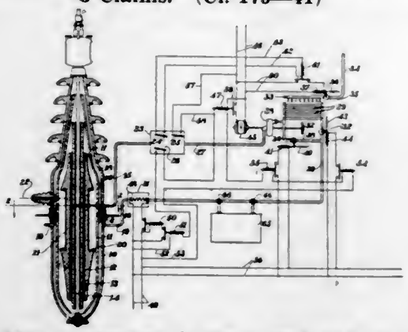
1. The combination with a container having space therein to be filled with liquid, of a source of liquid supply and an expansion chamber communicating with said source and with the interior of said container and means for controlling the direction of flow of liquid between said expansion chamber and said container and source, re-

spectively, said expansion chamber being located at a lower level than said container and subject



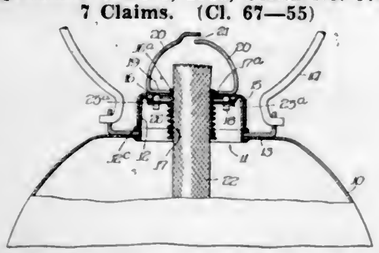
to temperature changes for causing transfer of liquid from said source to said container.

1,983,371
TEMPERATURE CONTROL FOR OIL FILLED BUSHINGS
William A. Hillebrand, Berkeley, Calif., assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application June 23, 1934, Serial No. 732,183
3 Claims. (Cl. 175—41)



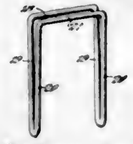
1. The combination with a housing member having an insulating liquid therein, a capacitance device contained in said housing member, force feeding mechanism for circulating the liquid in said housing, and means for controlling the temperature of the circulating liquid.

1,983,372
TORCH
James H. Horsley, Chicago, Ill., assignor to Shanklin Manufacturing Co., Springfield, Ill., a corporation of Illinois
Application June 8, 1933, Serial No. 674,788
7 Claims. (Cl. 67—55)



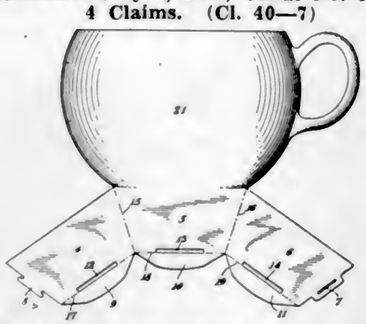
4. A torch burner comprising a wick holder adapted to retain a wick and affording a wick aperture permitting the protrusion of the end portion of the wick, and a shield associated with the wick holder extending upwardly at opposite sides of said wick aperture and over the same to shelter the protruding portion of the wick, said shield extending for a substantial distance beyond the area of the wick aperture to afford sheltered spaces for the wick flame between the protruding portion of the wick and the ends of the shield, the shield being open at its ends to permit access of air to said spaces and emission of flame therefrom.

1,983,373
TAPE FASTENER
Charles A. Horton, Providence, R. I., assignor to Hope Webbing Co., Inc., Pawtucket, R. I., a corporation of Rhode Island
Application January 30, 1932, Serial No. 589,893
7 Claims. (Cl. 273—31)



1. A device of the type specified comprising a leg portion and a head portion, said head portion formed to provide relatively narrow parallel spaced bars disposed in a horizontal plane to adapt the end of a tape to be threaded between said bars from the under side and passed across the top of one of said bars to bind it under the main length of the tape, said bars adapted to rest flat against the ground with the leg portion extending at right-angles thereto for insertion into the ground.

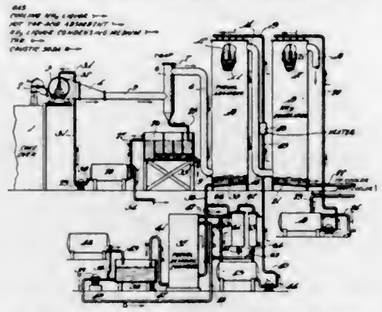
1,983,374
ADVERTISING DEVICE
William Intemann, Brooklyn, N. Y.
Application July 1, 1933, Serial No. 678,584
4 Claims. (Cl. 40—7)



1. An advertising device having at least three walls joined together along their upright edges, a foot projecting inwardly from the lower edge of at least two of said walls, a slot above each of said feet, in said walls, said feet being adapted for engagement with a key affixed to the top of a container and said slots being adapted for permitting the key to project therethrough.

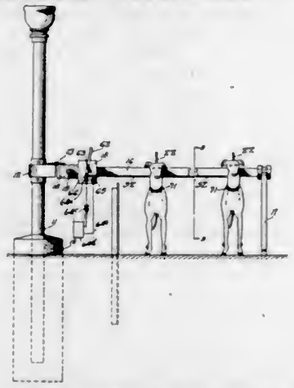
1,983,375
GAS PURIFICATION
David L. Jacobson, Pittsburgh, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application May 14, 1930, Serial No. 452,381
16 Claims. (Cl. 23—196)

2. The process of treating gases containing ammonia and tar acid, which comprises treating the hot gases with a tar distillate substantially free from tar acid at a temperature to prevent condensation of ammonia and water and under conditions insuring substantially complete removal



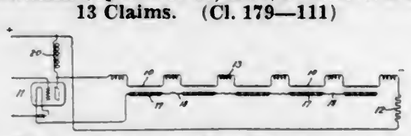
of tar acid from the gas by said treatment, and then cooling the gases in a separate stage to condense ammonia.

1,983,376
DOG STARTING APPARATUS
Thomas A. Keen, St. Louis, Mo., assignor to Hannah M. Smith, River Forest, Ill.
Application April 20, 1931, Serial No. 531,389
13 Claims. (Cl. 119—15.5)



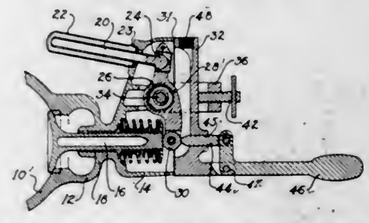
1. Dog starting apparatus comprising a harness having extensions spaced longitudinally of the dog, a plurality of latch members engaging said extensions, and means for simultaneously releasing said latch members.

1,983,377
PRODUCTION OF SOUND
Edward W. Kellogg, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 27, 1929, Serial No. 395,686
13 Claims. (Cl. 179—111)



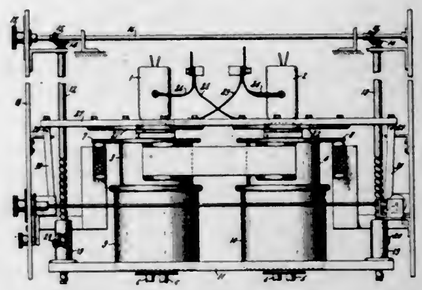
1. The combination of a vibratable member, a stationary member mounted in juxtaposition to said vibratable member, at least one of said members being divided into sections in series with one another, means for producing an electrostatic field between said members, and means including inductance elements connected between said sections for neutralizing the capacitance between said members.

1,983,378
VALVE GEAR SERVICING DEVICE
William D. Kennedy, Clifton, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application February 9, 1933, Serial No. 655,944
5 Claims. (Cl. 184—1)



1. Means for introducing rust preventive compounds within an engine including a tight cover adapted to be clamped to said engine, said cover having an opening through which the compound is introduced, and means externally manually operable to move certain of said engine parts while said compound is introduced within said cover.

1,983,379
CONDENSER ASSEMBLY
Edward A. Leach, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 14, 1933, Serial No. 698,020
6 Claims. (Cl. 250—16)

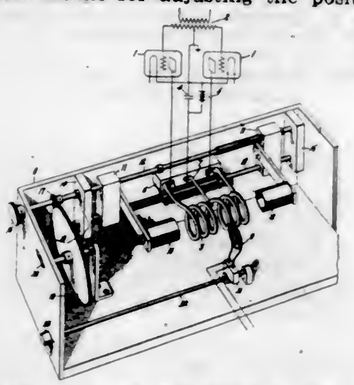


1. In combination, a plurality of electron discharge devices, means connecting said discharge devices in push pull relation, a variable neutralizing condenser for each of said discharge devices, each of said neutralizing condensers including a movable plate, said movable plates being mounted on a common control member at different points spaced apart longitudinally of said control member, and means for adjusting the position of either end of said control member.

1,983,380
HIGH FREQUENCY AMPLIFIER
Lambert H. Lynn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 27, 1933, Serial No. 682,451
5 Claims. (Cl. 179—171)

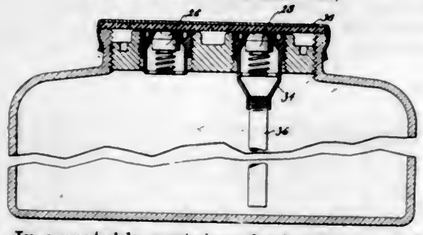
1. In a high-frequency radio apparatus, the combination of a pair of electron discharge devices arranged in balanced relation, said discharge devices each including a cathode and an anode, an inductor connected between said anodes, a connection between said cathodes and an intermediate point on said inductor, a pair of non-magnetic metallic cores arranged to be

introduced into the anode ends of said inductors, and means for adjusting the positions of



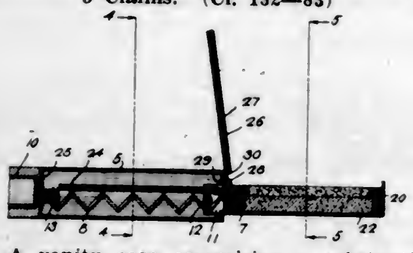
said cores for tuning the anode circuits of said discharge devices.

1,983,381
APPARATUS FOR PRESERVING AND DISPENSING LIQUIDS
Charles Frederick MacGill, Newton, Mass.
Application February 1, 1932, Serial No. 589,990
12 Claims. (Cl. 225—22)



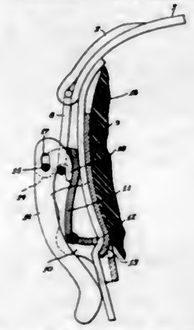
1. In a portable container for beverages and the like, a valve and valve housing removably secured within the container mouth, on the inner side of a plane across the external lips of the said mouth, said valve being located just inside said plane of the lips, seating outward for closing the passage, and there being pressure behind it, both in upright and inverted positions of the container, urging the valve toward its seat; and a flanged cap with underlying gasket secured in said plane across the said lips.

1,983,382
VANITY CASE
James R. Marsh, Boise, Idaho
Application March 10, 1934, Serial No. 714,905
5 Claims. (Cl. 132—83)



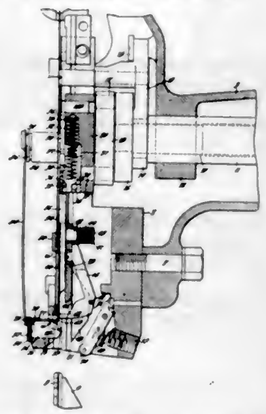
1. A vanity case comprising a substantially flat casing, a drawer slidably mounted in the lower portion of said casing, a mirror covering said drawer hingedly connected to the rear edge thereof, a spring for ejecting said drawer from said casing, a trigger associated with said mirror adapted to swing said mirror upwardly when said drawer is ejected and releasable means for holding said drawer within said casing.

1,983,383
FASTENING DEVICE FOR STRAPS AND THE LIKE
John Walter May, Belmont, Mass.
Application July 11, 1933, Serial No. 679,907
4 Claims. (Cl. 24—74)



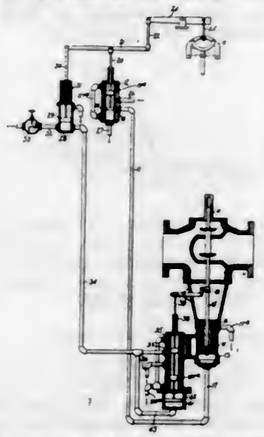
1. Means for connecting the end portions of a band subjected to tension, comprising a loop adapted to be secured to one end of the band, a clip adapted to embrace the other end portion of the band and carrying a gripping lever to clamp the band against the bottom of the clip, and an operating lever pivotally mounted on the gripping lever and provided with a hook to engage the loop.

1,983,384
WIRE-STITCHING MACHINE
Harry T. McClure, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application August 19, 1933, Serial No. 685,829
13 Claims. (Cl. 1—2)



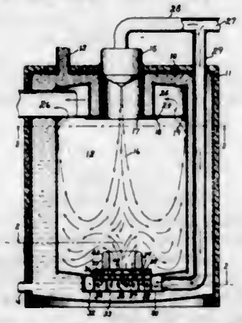
1. In a stapling or wire-stitching mechanism, the combination of a rotary anvil, a reciprocating member, and means for translating the reciprocatory motion of said member to oscillatory motion of the anvil comprising a rockable lever having two arms disposed at an angle to each other, and means on the reciprocating member engaging alternately with the arms when moving in opposite directions to rock said lever to oscillate the anvil.

1,983,385
HYDRAULIC CONTROL SYSTEM
R. Wayne McLaughlin, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 16, 1934, Serial No. 725,949
3 Claims. (Cl. 121—42)



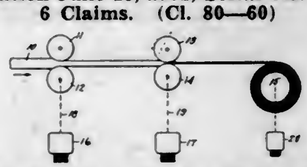
1. In a control system, the combination of a regulated element, a motor for moving the regulated element, a control member for the motor, a lever mechanism connected to the control member, a regulating element connected to the lever mechanism for varying the position of the control member, means for restoring the control member to its original position including means for biasing the control member in one direction and another means having a variable resistance for counteracting the first named biasing means and acting on the control member in opposite direction, means for varying the resistance of the other means in response to motor movement, and auxiliary means connected to the last named means for accelerating the restoring of the control member to its original position in response to motor movement.

1,983,386
COMBUSTION ARRANGEMENT FOR OIL BURNERS
Peter L. Mikeska, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1931, Serial No. 506,001
Renewed May 12, 1934
19 Claims. (Cl. 158—4)



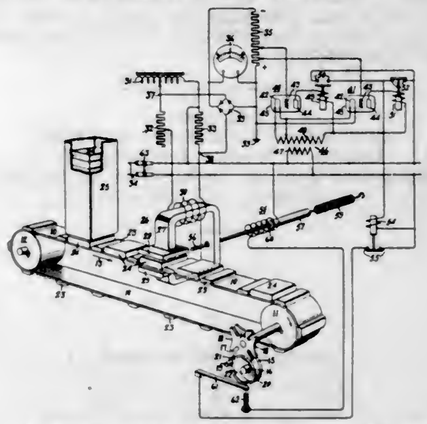
6. An oil burner having opposed air and oil streams for combustion, said oil stream furnishing a downwardly directed flame, and an air inlet device for providing an even flow of air free from turbulence in an upwardly direction for spreading the flame laterally in all directions, said device including a baffle means provided with staggered apertures for causing an even flow of air from said inlet device.

1,983,387
METHOD OF WORKING METAL
Francis Mohler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 15, 1931, Serial No. 544,520
6 Claims. (Cl. 80—60)



1. The method of working cold metal that comprises applying to said cold metal a tensional force and a substantially constant compressional force, and passing the cold metal through thickness reducing means at substantially constant speed, thereby to vary said tensional force in accordance with variations in the texture of the metal.

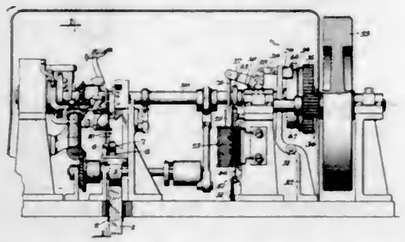
1,983,388
DEVICE FOR TESTING AND SORTING OF ELECTRICALLY CONDUCTING PARTS
Abram J. Moore, Melrose Highlands, Mass., assignor to General Electric Company, a corporation of New York
Application September 30, 1932, Serial No. 635,583
8 Claims. (Cl. 209—81)



1. A testing and rejecting device for parts comprising an alternating current energized impedance element adapted to produce flux lines and having as a part of its flux circuit an air gap adapted to receive the part to be tested, a movable arm adjacent said air gap for ejecting therefrom the part being tested, a solenoid for actuating said arm, a relay having a pair of normally closed contacts, a relay having a pair of normally open contacts, means including said pairs of contacts for effecting the energization of said solenoid when either of said pairs of contacts are closed, and means responsive to the current flowing in said impedance element for effecting the energization of the first mentioned relay when the particular characteristic under investigation of the part in said air gap is substantially the same as that of a standard part,

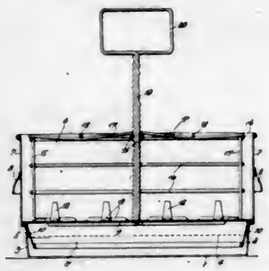
and for effecting the energization of the second mentioned relay when the particular characteristic under investigation of the part in said air gap is appreciably different from that of said standard part.

1,983,389
START AND STOP CONTROL FOR POWER MACHINES
Charles G. Mortimer, Glen Ridge, N. J., assignor to Joseph H. Lynch, Asbury Park, N. J.
Original application June 19, 1931, Serial No. 545,424. Divided and this application July 27, 1932, Serial No. 625,166
3 Claims. (Cl. 192—129)



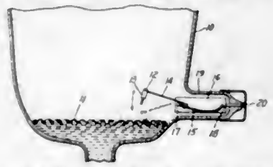
1. In a machine of the character described, the combination of driving and driven members, a releasable coupling for said members, and means for controlling said coupling, comprising an electric circuit which includes, in series, an electro-magnet, a switch manually operated for closing the circuit to engage the coupling and automatically operated to open the circuit, when manual control is released, and an automatic switch actuated by the driven member to open the circuit and disengage the coupling when the driven member has completed a predetermined angular movement.

1,983,390
BOTTLE STERILIZING DEVICE
Russell A. Mueller, Belleville, Ill.
Application June 23, 1932, Serial No. 618,828
3 Claims. (Cl. 141—7)



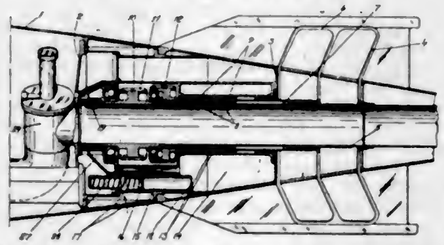
1. A device of the character described comprising a receptacle adapted to contain water, a shelf in and along all sides of said receptacle, a plate insertable in and withdrawable from said receptacle and adapted to be supported on said shelf along all marginal edges of said plate, a seal device in connection with said plate having means adapted to extend downwardly in close contact with the entire inner edge of said shelf and into the water below said plate and substantially prevent the escape of steam between said plate and said shelf, and steam jet devices opening through and extending upwardly from said plate.

1,983,391
ARC-STARTING DEVICE FOR VAPOR DISCHARGE DEVICES
Kurt E. Müller, Berlin-Friedenau, Germany, assignor to General Electric Company, a corporation of New York
Application October 21, 1929, Serial No. 401,104
In Germany November 2, 1928
3 Claims. (Cl. 250—27.5)



1. An arc-starting device for vapor electric discharge devices including an auxiliary electrode, a thermostatic member operating with a snap action, and means to connect said thermostatic member to said electrode.

1,983,392
SHAFT PACKING
Richard Nilsson, Stockholm, Sweden, assignor to Aktiebolaget Lesto, Stockholm, Sweden, a corporation of Sweden
Application June 30, 1931, Serial No. 547,809
In Germany July 3, 1930
5 Claims. (Cl. 286—9)

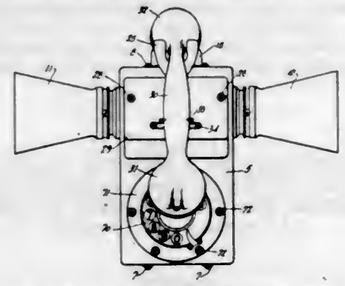


5. In an under-water device of the class described, walls forming a machinery compartment, walls forming an oil reservoir, a cylindrical member extending from said machinery compartment through said reservoir, a rotatable shaft extending from within said compartment through said cylindrical member, said cylindrical member being formed with an opening therethrough into said reservoir, and packing means for substantially preventing passage of fluid between said shaft and said cylindrical member, said means comprising a plurality of resilient rings slidably engaging said shaft, a plurality of resilient rings arranged alternately with respect to the first mentioned rings and slidably engaging said cylindrical member, the rings being arranged in two groups one on either side of said opening and means for pressing the radial faces of the rings together.

1,983,393
TELEPHONE SET
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application July 18, 1932, Serial No. 623,049. Divided and this application May 20, 1933, Serial No. 671,940
2 Claims. (Cl. 179—146)

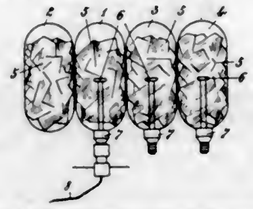
1. In a telephone set, a casing, switching mechanism in said casing, a handset unit normally supported at its upper end in a vertical

position against said casing and maintaining said switching mechanism in its normal position, and means for yieldingly maintaining said handset



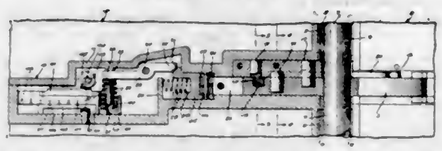
unit in its resting position against said casing to prevent accidental actuation of said switching mechanism by swinging of the unit.

1,983,394
PHOTOFLASH DEVICE
Johannes Ostermeier, Althegnenberg, Germany, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application January 28, 1931, Serial No. 511,918
In Germany February 10, 1930
10 Claims. (Cl. 67—31)



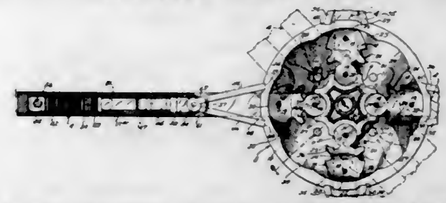
1. A photo-flash lamp comprising a closed vessel, a foil in said vessel, and means entirely outside of and in proximity to said vessel for producing radiant energy to ignite said foil.

1,983,395
REVOLVING DOOR
Edmund Peremi, Manhasset, and Charles Kish, Elmhurst, N. Y., assignors to General Bronze Corporation, Long Island City, N. Y., a corporation of New York
Application November 18, 1933, Serial No. 698,570
13 Claims. (Cl. 20—18)



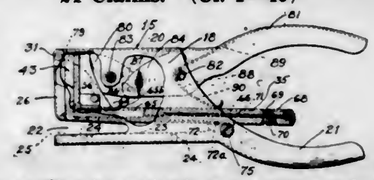
1. In a revolving door in combination, a rotary central support, leaves foldably mounted on the support, and means holding the leaves to the support and positively guiding them in their folding movements in opposite directions comprising a cam disc on the support having a continuous annular groove, a socket for each leaf, outwardly extending cam grooves extending divergently from each socket, and a stationary guiding projection for each leaf, each leaf having a pair of guide elements for cooperating, respectively, with the annular groove and with the cam grooves, and a cam having bearing engagement with the guiding projection on the disc.

1,983,396
REVOLVING DOOR
Edmund Peremi, Manhasset, and Charles Kish, Elmhurst, N. Y., assignors to General Bronze Corporation, Long Island City, N. Y., a corporation of New York
Application November 7, 1933, Serial No. 696,958
18 Claims. (Cl. 20—18)



1. In a revolving door, in combination, a central rotary support, leaves foldably mounted on the support, and means normally retaining each leaf in radial position, comprising in each instance a notched member on the central support, a pair of normally flexed alternatively effective toggles carried by the leaf and having arms thereof engaged in the notched member, and spring means disposed to resist straightening of the toggles, the arrangement being such that one or the other of the toggles must be straightened before the leaf can be moved to collapsed position.

1,983,397
PLIER TYPE STAPLING MACHINE
Fridolin Polzer, South Norwalk, Conn.
Application November 27, 1931, Serial No. 577,419
21 Claims. (Cl. 1—49)

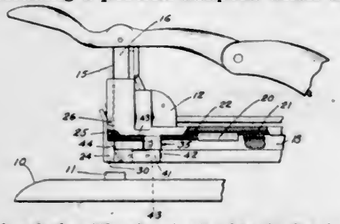


1. In a plier type stapling machine, a housing having a handle rigid therewith, a handle pivoted to said housing, a staple supporting housing pivotally mounted in the first housing, a head on said pivoted housing, said head having a guideway providing a raceway therein, an anvil stationary on the first housing below said raceway, a plunger slidable in the guideway toward and from the anvil, a guide in the pivoted staple supporting housing for a staple strip, means for feeding the staple strip toward the raceway to dispose the first staple of the strip in the raceway below the plunger, and a connection between the pivoted handle and the plunger adapted on operation of said handle to permit swinging of the staple supporting housing toward the anvil and to move the plunger in a direction to drive a staple.

1,983,398
STAPLE DRIVING MACHINE
Fridolin Polzer, South Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Application May 17, 1932, Serial No. 611,837
9 Claims. (Cl. 1—3)

1. In a staple driving machine for long staples, a housing having a raceway therein, a guide bar, a follower for feeding staples along said guide bar to said raceway, a plunger operable to drive staples through said raceway, guide means forming

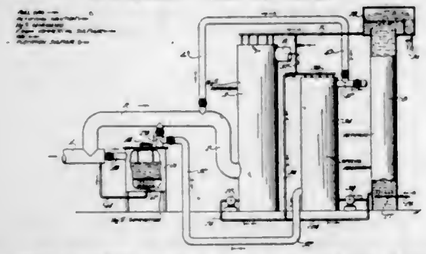
part of said raceway and spaced laterally of and below the upper edge of said guide bar to provide room for the long arms of the staples as the staples are fed along the guide bar and to guide the staple arms during the latter part of their movement through the raceway, said machine adapted to be loaded with short staples, a backing up means including a portion adapted when the ma-



chine is loaded with short staples to be inserted between the ends of the arms of the short staples and said guide means and with an edge disposed to provide an extension of said guide means, and said backing up means including a manipulating portion disposed at the outer side of the housing whereby the backing up means may be readily applied and removed

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1,983,399
SULPHUR PREPARATION
Charles J. Ramsburg, Edgeworth, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application August 5, 1931, Serial No. 555,227
3 Claims. (Cl. 23—224)



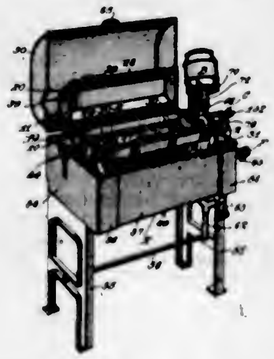
1. The process of improving the quality of commercial sulphur, which comprises converting commercial sulphur into substantially entirely gaseous hydrogen sulphide, absorbing the gaseous hydrogen sulphide in a liquid containing a compound capable of combining with H_2S to form a sulphur compound which liberates elemental sulphur in very finely divided form when the liquid is subjected to the influence of an oxygen-containing gas, subjecting the liquid to the influence of an oxygen-containing gas to complete the conversion of the commercial sulphur to sulphur of substantially colloidal fineness, and recovering the thereby improved commercial sulphur therefrom.

1,983,400
ENVELOPE
Morris Reiner, Brooklyn, N. Y.
Application February 16, 1934, Serial No. 711,544
3 Claims. (Cl. 229—86)



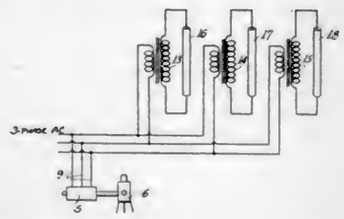
1. An envelope, comprising sheet material in the form of an envelope and having opposite corners on one side formed by lines of perforations so that the corners are readily detachable, sheet corner pieces secured within said detachable corners and having bayonet openings, and a wire within said side of the envelope and having enlargements at the ends engageable with said bayonet openings for attaching the wire upon the corner pieces.

1,983,401
SILVERWARE BURNISHING MACHINE
Henry Robinson, Lindenhurst, N. Y.
Application July 29, 1933, Serial No. 682,856
14 Claims. (Cl. 51—164)



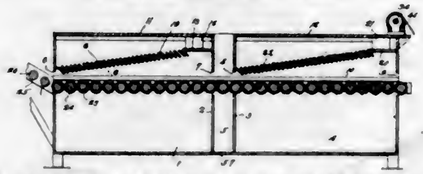
1. In combination with a tumbler or the like having separable sections, a rod, link means in which said rod is journaled, said link means being pivoted on one section, the other section having an extension provided with a notch, the link means being movable through the notch of the extension, clamping means on the rod engageable with the extension, a crank on the rod operable to turn it, an element pivoted to the crank on an axis at an angle to that of the rod and forming an extension of the crank, and interengaging means between said element and adjacent section of the tumbler.

1,983,402
PRODUCTION OF MOTION PICTURES IN NATURAL COLORS
Isaac P. Rodman, South Orange, N. J., assignor to Lektophone Corporation, Jersey City, N. J., a corporation of Delaware
Application April 24, 1931, Serial No. 532,419
Renewed April 25, 1934
6 Claims. (Cl. 88—16.4)



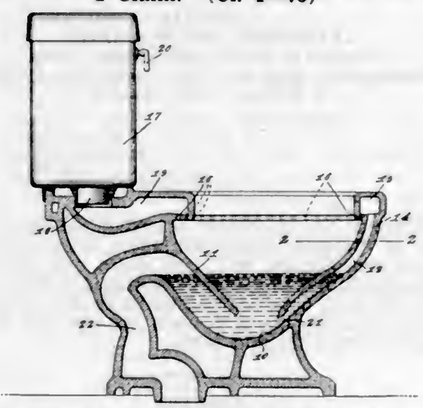
1. In a device for producing motion pictures in colors, the combination of a source of single phase alternating current, a pair of different colored self-rectifying light sources connected in reverse polarity to the source of current.

1,983,403
METHOD AND APPARATUS FOR TREATING FRUITS AND VEGETABLES
Jabin V. Rogers, Wenatchee, Wash., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application February 23, 1928, Serial No. 256,328
Renewed March 12, 1931
16 Claims. (Cl. 146—202)



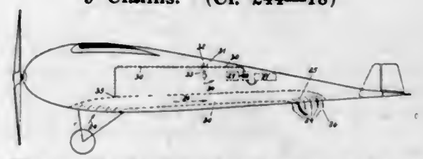
1. Apparatus of the class described including a tank, a series of transversely disposed revolving brushes extending longitudinally of the tank and constituting fruit agitating and conveying means, an inclined spillway above the brushes including closely arranged, inclined lapping boards providing inclined spaces therebetween for directing inclined sheets of fluid against fruit being treated to facilitate movement of the fruit through the apparatus, and means for withdrawing fluid from the tank and delivering it to the upper portion of the spillway.

1,983,404
JET CLOSET
Romulus M. Russell, New Castle, Pa., assignor to Universal Sanitary Manufacturing Co., New Castle, Pa., a corporation of Pennsylvania
Application November 17, 1932, Serial No. 643,099
1 Claim. (Cl. 4—73)



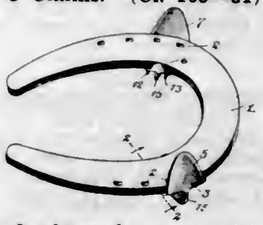
A closet having a well of substantially the formation of the zone of a sphere, a siphon having its up-leg in communication with the well at substantially the center of the arc of curvature of the latter, a hollow rim in communication with a source of water supply, the wall of the closet diametrically opposite the siphon being formed with a duct having a discharge mouth in substantially the horizontal plane of the center of the arc of curvature of the well, said duct being in communication with the rim to derive water from the latter and thus project a jet from its discharge mouth into the well, the bottom wall of the duct and the corresponding wall of the up-leg of the siphon being substantially tangential continuations of the well wall, the discharge mouth of the duct being of less cross-sectional area than the cross-sectional area of the duct, the under side of the discharge mouth being formed by the wall of the well.

1,983,405
METHOD OF PRODUCING MOTIVE FORCES ON AIRCRAFT, BY THE EXPLOSION OF INFLAMMABLE MIXTURES OF SUBSTANCES
Paul Schmidt, Munich, Germany
Application April 15, 1931, Serial No. 530,360
In Germany April 23, 1930
9 Claims. (Cl. 244—18)



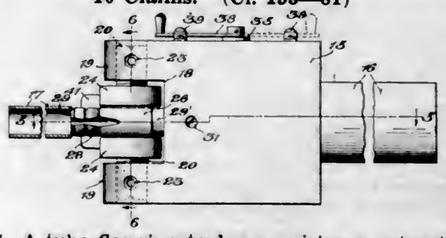
1. The method of producing motive forces on aircraft and like vehicles by reaction, which comprises admitting a volume of fresh air into a chamber located on the vehicle and having an outlet, producing a pressure upon the air by exploding an explosion-expansive charge which is not greater than one-tenth of the mass of the air whereby to effect a movement of the air in the direction of said outlet and therewith a reaction movement of the vehicle.

1,983,406
CALK
George Smith, New York, N. Y.
Application March 24, 1934, Serial No. 717,225
3 Claims. (Cl. 168—31)



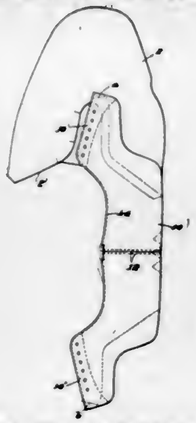
1. A calk for horseshoes comprising a base, a centrally positioned tooth of a certain size, a pair of side teeth of about half the thickness of the centrally positioned tooth and about half the height, said central tooth extending from one side to the other of said base, while the remaining teeth are appreciably shorter than the first mentioned tooth, all of said teeth having front and rear and bottom sharpened edges.

1,983,407
TUBE FLANGING TOOL
Albert J. Scholtes, Baltimore, Md.
Application June 20, 1934, Serial No. 731,505
10 Claims. (Cl. 153—81)



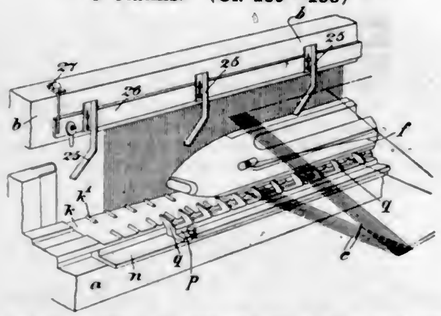
1. A tube flanging tool, comprising a retractable die for engaging and initially flaring the end of a tube, and stationary forming rollers at opposite sides of the die adapted to aline with the end of the tube and spaced apart a distance equal substantially to the interior diameter of the tube to be operated upon.

1,983,408
SHOE
John J. Shea, Nashua, N. H., assignor to J. F. McElwain Co., Boston, Mass., a corporation of Massachusetts
Application February 19, 1932, Serial No. 593,956
6 Claims. (Cl. 36—55)



1. In a shoe, the combination with a quarter provided with a lacing slit, of a lining for said quarter, said lining having wings stitched to the quarter at opposite sides of said slit, and a tongue stitched to said lining and quarter at the forward end of said slit, the forward edges of said wings lying chiefly behind the front seam which unites the tongue to the quarter.

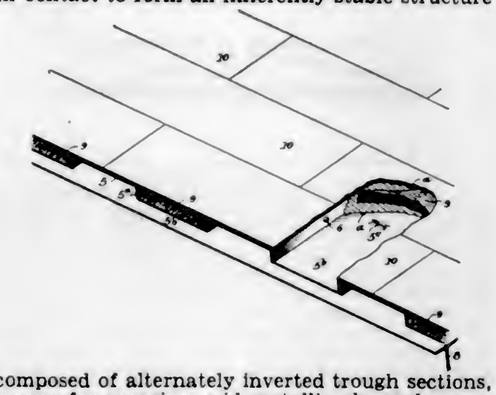
1,983,409
WEFT INSERTING MECHANISM FOR LOOMS FOR WEAVING
Oliver Shimwell, Gawsworth, England
Application March 16, 1933, Serial No. 661,173
In Great Britain March 16, 1932
3 Claims. (Cl. 139—188)



1. Weft inserting mechanism for looms comprising in combination a reed, a slay, a sole plate mounted on the said slay, ridges upon the said sole plate adapted to hold the shuttle clear of the sole plate and above the lower row of warp threads, arms adapted to pass between the warp threads depending from the slay top to come over the shuttle in its flight and maintain it upon the ridges, and fingers upon the slay sole adapted to bear upon the front of the shuttle and maintain it against the reed.

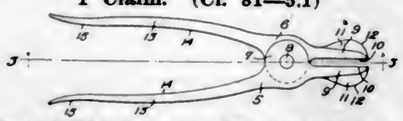
1,983,410
FLOOR CONSTRUCTION
Joseph G. Shryock, Philadelphia, Pa.
Application April 19, 1932, Serial No. 606,172
5 Claims. (Cl. 189—34)

1. A floor construction comprising a plurality of longitudinally flanged metallic channel members each composed of a web and flanges normal to said web; said flanges having beveled inner faces and said channel members being arranged with their adjacent flanges in interconnected relation, alternate members being disposed in reversed relationship whereby adjacent flanges of said associated members are brought into direct meeting relationship with their beveled surfaces in contact to form an inherently stable structure



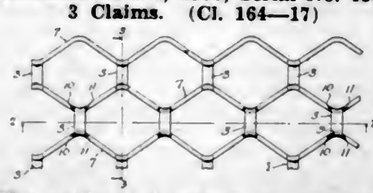
composed of alternately inverted trough sections, means for securing said metallic channel members together in fixed position, composition boards filling the space between the flanges of alternate members and extending to the level of the inverted trough sections, and a covering forming a replaceable wear surface overlying said composition boards and the portions of the metallic members in surface alignment therewith.

1,983,411
ELECTRIC BULB PLIERS
Charles G. Smith, Mason City, Iowa
Application July 10, 1933, Serial No. 679,820
1 Claim. (Cl. 81—5.1)



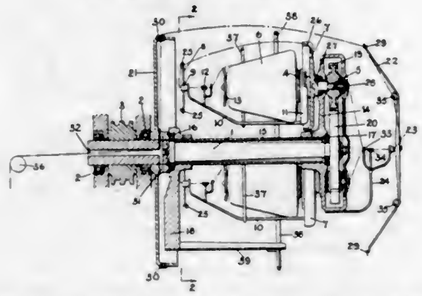
Pliers of the character described comprising a pair of pivotally connected levers, outwardly tapered jaws formed with said levers, and laterally extended fins at the outer sides of said jaws to provide reversely beveled opposite faces with rounded marginal knife edges of each fin, the fins being coextensive with said jaws.

1,983,412
SHEET METAL PAVEMENT GRID AND METHOD OF MAKING THE SAME
George M. Smith, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 5, 1930, Serial No. 459,337
3 Claims. (Cl. 164—17)



1. The method of making an integral sheet metal pavement grid which comprises providing a sheet metal blank, cutting rows of spaced I-shaped slits therein, bending the metal between the rows of slits to a vertical position, retaining the metal webs between adjacent slits of the same row in a horizontal position to serve as integral connecting webs for the vertical pieces, and thereafter expanding the vertical pieces outwardly at points intermediate the horizontal webs to form a sheet metal pavement grid.

1,983,413
DEVICE FOR TWISTING TEXTILE FILAMENTARY MATERIAL
Sesto Spagnolo, Milan, Italy, assignor to Societa Italiana Pirelli, Milan, Italy
Application October 19, 1933, Serial No. 694,299
In Italy October 25, 1932
7 Claims. (Cl. 117—23)



1. In a twisting unit of the class specified, a plurality of individual sub-units of the loop type herein specified incorporated together in multiple relation in a single composite unit, in which the sub-units are disposed parallel to one another, the bobbins of the sub-units being stationary therein and the sub-units mounted upon a stationary carrier common to them all and accommodated with the sub-units between a positively driven primary yarn guide disposed opposite to the assemblage of sub-units at one end thereof with its axis parallel to the rotational axes of these units and a primary rotary flier disposed co-axially with the primary yarn guide opposite the said assemblage of sub-units at the other end thereof, the multiple-twisted yarns from the sub-units being led on to the primary flier at a point thereon near the rotational axis thereof, and from the outer extremity of this flier, ballooning around the assemblage of sub-units, to the radially outer extremity of the primary yarn guide, thence to a point on this guide near the rotational axis thereof and finally on to a take-off element for the doubled and twisted product.

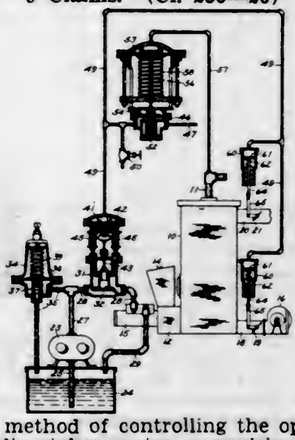
1,983,414
BILE ACID AMIDES AND THEIR PREPARATION
Arthur Stoll and August Binkert, Basel, Switzerland, assignors to Swiss firm of Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application March 1, 1933, Serial No. 659,235. In Germany April 9, 1932
17 Claims. (Cl. 260—106)

13. The bile acid derivatives of 1,8-aminonaphthol-sulphonic acids, which are in the dry state colorless to greyish powders, soluble in water and in alcohol, but generally insoluble in organic solvents immiscible with water, which on treatment with nitrous acid do not give diazo compounds, which on treatment with strong mineral acids are hydrolyzed to the starting 1,8-aminonaphthol-sulphonic acids and which can be used in the therapy and for the manufacture of therapeutical products.

1,983,415
PROCESS OF THERMALLY DECOMPOSING HYDROCARBONS
Charles J. Strosacker and Harold S. Kendall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 31, 1930, Serial No. 492,618
1 Claim. (Cl. 260—170)

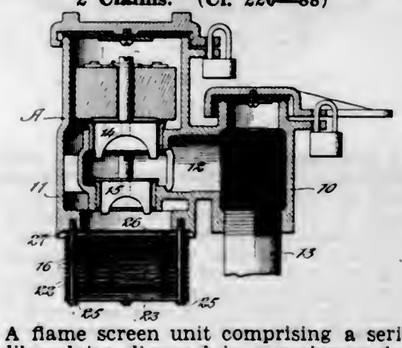
The process of producing olefines which comprises thermally decomposing a hydrocarbon oil at a temperature between 700° and 1000° C. while in contact with surfaces of an alloy containing 50 to 80 per cent nickel, 10 to 25 per cent chromium and 4 to 30 per cent iron.

1,983,416
AUTOMATIC CONTROL FOR STOKERS
Charles M. Terry, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application December 8, 1931, Serial No. 579,758
9 Claims. (Cl. 236—26)



1. The method of controlling the operation of a hydraulic stoker motor comprising the steps of maintaining a supply of liquid at a substantially constant pressure, allowing liquid to flow from the supply through the motor, throttling the flow, and varying the amount of throttling in accordance with the demand for heat.

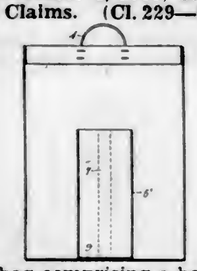
1,983,417
FIRE SCREEN UNIT FOR VOLATILE LIQUID STORAGE RECEPTACLES
John J. Tokheim, Cedar Rapids, Iowa
Application December 1, 1930, Serial No. 499,399
2 Claims. (Cl. 220—88)



1. A flame screen unit comprising a series of ring-like plates disposed in superimposed rela-

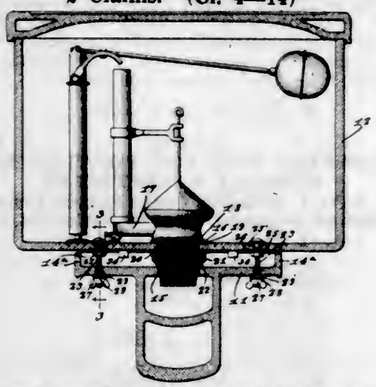
tion, each plate having a plurality of openings to receive fasteners for securing the plates together and further having other openings to receive fasteners for securing the unit in covering relation to a tank vent opening, protuberances integral with said plates surrounding each of said first mentioned openings of each plate to hold the plates in slight spaced relation in the vicinity of said openings, other protuberances carried by each plate serving to hold other portions of the plates in spaced relation, all of said protuberances contacting directly with the next adjacent plate, a closure member for one end of the unit, and fasteners extending through said closure member and through said first mentioned openings to secure the plates and said closure member in assembly with one another.

1,983,418
BOTTLE BAG
Sophie J. Thurmer, Brooklyn, N. Y.
Application December 4, 1933, Serial No. 700,901
4 Claims. (Cl. 229—56)



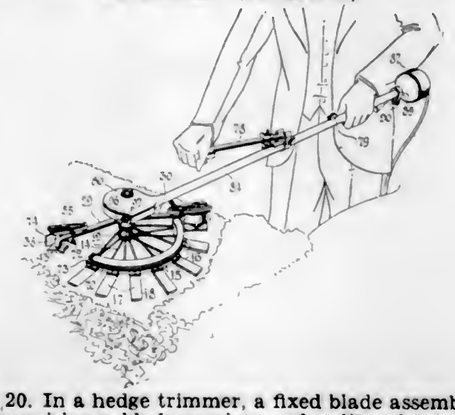
3. A bottle bag comprising a bag structure and a partition member arranged within the bag structure, said partition member having enclosing walls and a bottom, and means for connecting said partition member firmly to the bag.

1,983,419
COMBINATION CLOSET AND FLUSH TANK
Carl E. Turner, James R. Beam, and William K. McAfee, New Castle, Pa., assignors to Universal Sanitary Manufacturing Co., New Castle, Pa., a corporation of Pennsylvania
Application December 22, 1932, Serial No. 648,506
2 Claims. (Cl. 4—14)



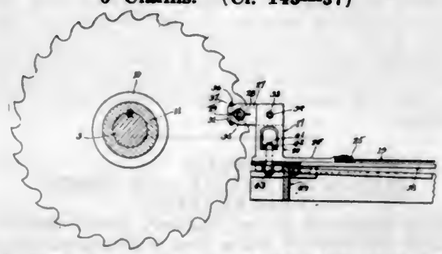
1. A unit combination of the kind indicated comprising a closet having a rearwardly extending shelf provided with a peripheral rib bounding the same, a tank seated on the upper edge of said rib, flush valve equipment mounted in the tank and having a thimble extending through the bottom wall thereof and through an opening in the shelf to be in communication with the flushing channels of the closet, bolts mounted in the bottom wall of the closet on diametrically opposite sides of said thimble and passing through openings in the shelf, and removable fasteners secured to the lower ends of the bolts and bearing against the under face of the shelf, those portions of the rib bounding the back edge and ends of the shelf being of less height than the front portion, and U-shaped members of resilient material disposed in straddling relation to the reduced portion of the rib and bearing against the under face of the bottom of the tank.

1,983,420
TRIMMING DEVICE
Arthur Underwood, Washington, D. C.
Application February 23, 1932, Serial No. 594,726
24 Claims. (Cl. 30—11)



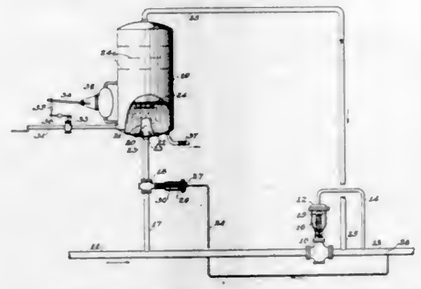
20. In a hedge trimmer, a fixed blade assembly comprising a blade carrier, a plurality of spaced lugs depending from said blade carrier, and blades secured to said lugs and having their cutting edges lying in a common plane, said lugs providing clear spaces between each other for the free passage beneath the carrier of hedge ends cut at the level of the plane of said cutting edges, as the trimmer is advanced along the hedge.

1,983,421
SAWING MACHINE
Bernard A. Van Wormer, La Grande, Oreg.
Application November 24, 1933, Serial No. 699,597
6 Claims. (Cl. 143—37)



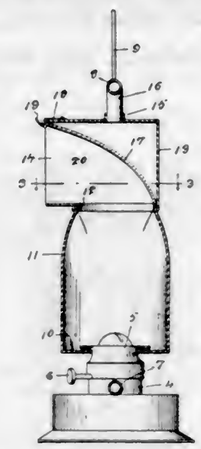
1. In a sawing machine of the edger type, a saw guide element comprising a yoke-shaped body provided with an opening in its base for the passage of means to couple it upon an edger lever, a block arranged between and extended from the arms of said body, a combined pivot and holdfast means between said block and arms, said block being bifurcated to form a pair of arms, each of the arms of the block being formed with an opening intersected by a slit disposed lengthwise thereof, a pair of endwise opposed adjustable combined guide and saw shifter members threadedly engaging with the walls of said openings, and means carried by the arms of the block for binding said members to the walls of said openings.

1,983,422
DESUPERHEATER
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 15, 1932, Serial No. 586,917
8 Claims. (Cl. 122—479)



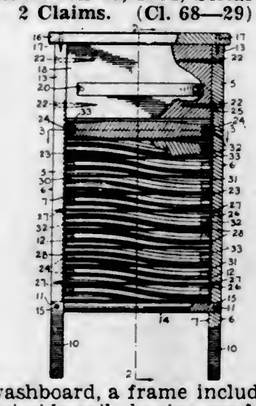
1. A desuperheater comprising, in combination, a high pressure superheated steam line, a pressure reducing means in said line, a low pressure line on the exit of said pressure reducing means, a container partly filled with water, a by-pass line communicating with said high pressure superheated steam line and said container, said by-pass line terminating beneath the water level, an automatic flow control valve disposed in said by-pass line and operated in response to the temperature of the steam in the low pressure line, a line communicating with the uppermost part of said chamber for passing steam to the low pressure line on the exit side of said pressure reducing valve.

1,983,423
INSECT DESTROYER
William M. Whitaker, Hemphill, W. Va.
Application June 4, 1934, Serial No. 729,000
5 Claims. (Cl. 43—113)



1. An insect destroyer comprising a burner, a housing disposed about the burner and being in the form of a chimney, a receptacle like member disposed on the housing and in communication therewith, reflecting means disposed in the receptacle like member and providing an inlet passage to the housing, said reflecting means being disposed above the burner, and inlet means for the receptacle like member.

1,983,424
WASHBOARD
Joseph F. Whitfield and John H. Rimmer, Hurdle Mills, N. C.
Application March 23, 1934, Serial No. 717,117
2 Claims. (Cl. 68—29)



2. In a washboard, a frame including a pair of spaced apart side rails having confronting faces with a longitudinally extending recess in each confronting face, a backing board extending across the upper portion of said washboard from one confronting face of one side rail to the opposite face of the other side rail and overhanging a portion of said recesses, a reinforcing strip counter-sunk in each of said recesses, each of said strips having a face confronting one another, each of said strips extending under said underhanging portion of said backing board and in face to face contact therewith, means to secure said backing board to said side rails including securing members extending from said side rails through said strips, at the portions thereof under said overhanging portions, and into the adjacent portions of said backing board, a plurality of rollers, and means rotatably supporting said rollers from and between said strips.

1,983,425
GRAPPLING TOOL
Lee E. Willis, Fort Worth, Tex., assignor of one-fourth to Q. C. McKitham, Fort Worth, Tex.
Application September 8, 1932, Serial No. 632,168
3 Claims. (Cl. 294—100)

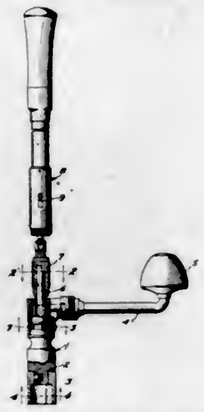


1. A grappling tool consisting of a hollow tubular body having a cable operatively disposed therethrough and extending from one end thereof to form a loop, slidable means arranged in the opposite end of the said tubular body to expand and contract the said loop and a projecting offset tip extending from the loop end of the said tubular body.

1,983,426
TOOL
John Wise, Salina, Kans.
Application August 1, 1933, Serial No. 683,202
1 Claim. (Cl. 81—53)

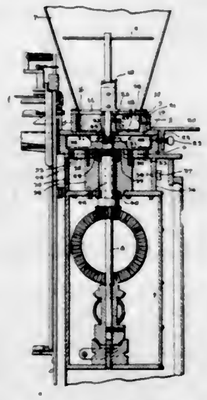
A tool comprising a chuck-like body having an annular groove, a handle arranged at right angles to the body and having one end enlarged to provide a casing-like portion receiving a portion of the body and overlying the groove, a set screw carried by the casing-like portion and extending into the groove, a reversible ratchet means between the handle and the body, a finger piece

secured to the other end of said handle and arranged at right angles to the latter, a shank integral with the body and extending through one



end of the casing-like portion of said handle and arranged at right angles to the handle, and a reversible worm feed type screw driver connected to the shank.

1,983,427
MECHANISM FOR BAG FILLING AND WEIGHING MACHINES
William D. Wright, Brockport, N. Y., assignor to Charles F. Robb, Jr., Webster, N. Y.
Original application January 27, 1932, Serial No. 589,283. Divided and this application November 24, 1933, Serial No. 699,593
10 Claims. (Cl. 198—128)



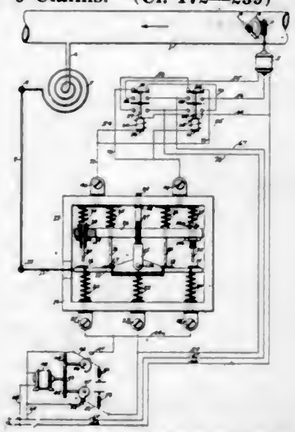
1. A bag filling machine of the class described, including a hopper, upper and lower impeller casings located below the hopper, the upper impeller casing being provided at the top at one side with an inlet opening and having at the bottom an outlet opening out of alignment with the inlet opening and the lower impeller casing being provided with an inlet opening at the top at the outlet opening of the upper impeller casing to form a passage from the upper impeller casing to the lower impeller casing, said upper impeller casing having a rotary adjustment to arrange its outlet opening in different positions with relation to the inlet opening of the lower impeller casing for varying the size of the said passage, and upper and lower rotary impellers operating in the said casings.

1,983,428
METHOD OF DRILLING WELLS
Gustav A. Zeidler, Jr., Medford Station, N. Y.
Application June 20, 1933, Serial No. 676,722
1 Claim. (Cl. 166—21)



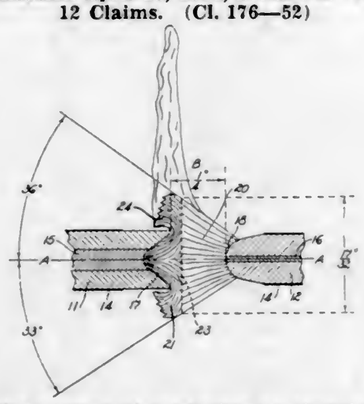
A method of drilling wells including the steps of driving down a line of well pipe with a driving point at the lower end and with screened pilot apertures adjacent the lower end, taking soundings to determine the yield at any given depth during the progress of the driving operations and when the proper yield is attained at a given depth, lowering through the well pipe a pump barrel with the screen attached to the lower end thereof until the screen rests on the point, holding the pump barrel and screen stationary and then elevating the line of well pipe with reference to the pump barrel and screen to a point to expose the screen and finally establishing a seal between the lower end of the pump barrel and the lower part of the well pipe at a point above the screened pilot apertures.

1,983,429
REGULATING SYSTEM
Joseph C. Albright, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 22, 1930, Serial No. 490,534
9 Claims. (Cl. 172—239)



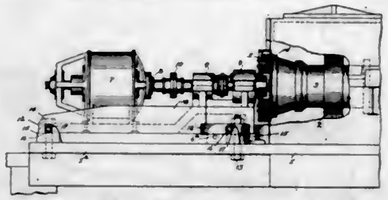
6. A regulating system for returning to a predetermined value a variable which may depart in either direction therefrom, comprising in combination, means responsive to the value of the variable, control means for changing the value of the variable, and means actuated by said first-named means adapted for actuating said control means by increments of different time length and of different frequency depending upon the amount of departure in one direction of said first-named means from a predetermined position.

1,983,430
ELECTRIC ARC AND METHOD OF PRODUCING SAME
Clarence S. Ashcraft, Los Angeles, Calif.
Application April 16, 1934, Serial No. 720,762
12 Claims. (Cl. 176—52)



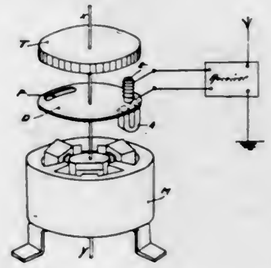
1. The method of producing an electric arc in an arc lamp which comprises forming luminescent gas in a crater of a positive electrode in such volume that it issues outwardly therefrom, and directing a flame from a negative electrode against said luminescent gas so as to produce a body of luminescent gas having a substantially flattened surface, the periphery of said body extending rearwardly to form a portion completely surrounding the end of said positive electrode.

1,983,431
CENTRIFUGAL CASTING MACHINE FOR CASTING HOLLOW METAL BODIES
Clarence D. Barr and Stephen D. Moxley, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1932, Serial No. 586,220
4 Claims. (Cl. 22—65)



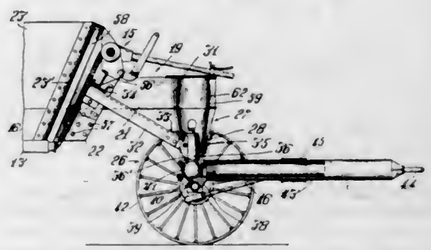
1. In a centrifugal casting machine having a base platform and means for supporting a flask for rotation, means for driving the flask including a motor-driven magnetic clutch having a face adapted to contact with an end of a supported flask, a bodily movable auxiliary platform supported upon the base platform and constituting a support for the clutch-driving motor located at one end of and in alinement with the casting machine, a driving motor and motor-shaft bearings carried by said auxiliary platform and means for adjusting the auxiliary platform vertically and laterally to center the face of the clutch relative to the end of the supported flask, and means to positively lock said last means against movement during rotation of the clutch and flask.

1,983,432
SYNCHRONIZING SYSTEM FOR TELEVISION
René Barthelemy, Fontenay-Aux-Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz, Montrouge, France, a joint-stock company of France
Application July 5, 1932, Serial No. 620,926
In France July 11, 1931
2 Claims. (Cl. 178—69.5)



1. The combination of a synchronous motor including a magnetic rotor having a high hysteresis coefficient and a rotating field fed from the electric supply mains, a television receiving apparatus including an optical device mounted on the shaft of said synchronous motor and adapted to traverse the receiving screen on which the image is to be reconstructed, a d.sc made of conducting material mounted on the shaft of said motor, electromagnetic means for exerting a braking torque on said disc whereby the rotational phase of said synchronous motor may be varied, said disc having a slot formed in a predetermined sector thereof in a path passing through the axis of the electromagnetic means, and means controlled by the electric supply current for periodically energizing said electromagnetic means.

1,983,433
DUMP WAGON
James D. Benbow and James B. Green, Aurora, Ill., assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill., a corporation of Illinois
Original application April 17, 1928, Serial No. 270,745. Divided and this application February 14, 1929, Serial No. 339,821
10 Claims. (Cl. 280—33.44)

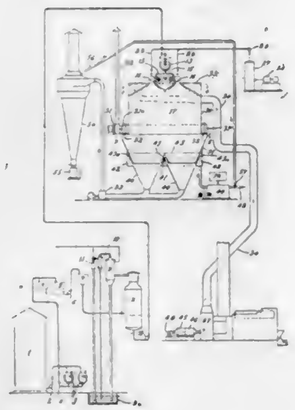


3. In a wagon, the combination of a frame comprising main frame bars, front frame bars extending forwardly above said main frame bars, a downwardly extending bracket secured to said front frame bars, said bracket having a socket sleeve extending substantially vertically in its lower end, a draft member extending forwardly below said bracket, and a pin carried by said draft member and removably mounted in said bearing sleeve.

1,983,434
MANUFACTURE OF POWDERED MOLASSES

Theodore Black and Jack Drew, Cleveland, Ohio, assignors to The Molaska Corporation, Cleveland, Ohio, a corporation of Ohio

Application November 29, 1933, Serial No. 700,198
8 Claims. (Cl. 99—5)

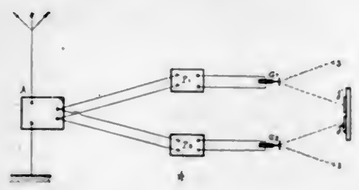


2. The method of converting liquid molasses into the form of a dry, free-flowing powder, which comprises spraying the molasses downwardly through a zone of hot air to dehydrate the same and into a zone of dry cool air to harden the dried particles of molasses, continuously removing the moisture carrying hot air at the junction of the hot and cool zones while exhausting the cool air containing the molasses particles in suspension at a point lower than said junction and separating said particles from said exhausted cool air.

1,983,435
RADIO SIGNALING SYSTEM

André Blondel, Paris, France

Application July 3, 1933, Serial No. 678,975
In France July 9, 1932
5 Claims. (Cl. 250—11)

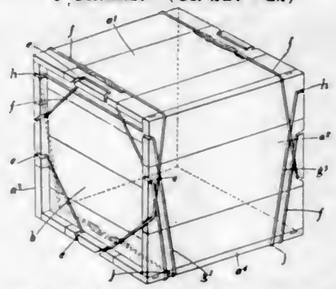


5. In radio-receiving systems for indicating an alignment to a navigator, a receiving circuit responsive to incoming signals consisting in two interlocked and periodical sets of wave trains of unequal length but same frequency, a mirror galvanometer mounted in said circuit and suitably responsive to the oscillations set up therein, a fixed light source for illuminating said mirror, a screen on which said mirror is adapted to project in parallel directions sets of interlocked images having amplitudes proportional to the field strengths of said two sets of wave trains, and a movable mirror for viewing and spreading said images.

1,983,436
PACKING BOX FOR BUTTER AND OTHER GOODS

Oluf Ulrich Bruno Jensen Brunaa, Jyderup, Denmark, assignor to Gerrard Industries Limited, London, England

Application May 16, 1933, Serial No. 671,408
In Denmark May 17, 1932
6 Claims. (Cl. 217—12)

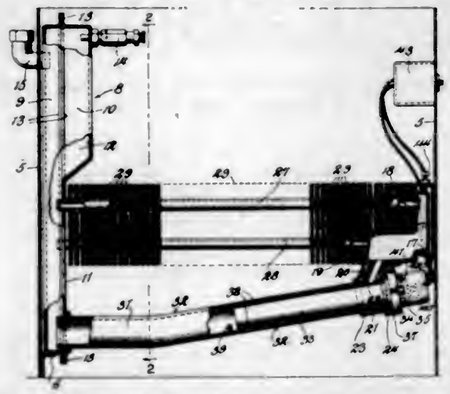


1. A packing box including end walls and a plurality of side walls terminally projecting beyond the end walls, the projecting portions of each side wall being formed with spaced notches, and duplicate tie wires at each end of the box, each tie wire passing through both notches of one side, a single notch of two of the sides, and over the outer surface of the remaining side, the duplicate wires at each end being relatively reversed with respect to the sides at that end in their application, whereby each of said duplicate wires overlies opposing sides, engages two notches of opposing sides, and different notches of the remaining sides.

1,983,437
HEAT RADIATING UNIT

William C. Carr, Richmond, Va., assignor to The William C. Carr Corporation, Richmond, Va., a corporation of Virginia

Application March 30, 1934, Serial No. 718,298
10 Claims. (Cl. 219—38)

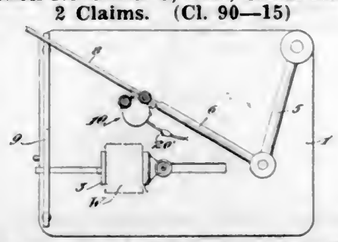


1. A heat radiating unit comprising a water tank, a hollow distributer body, a water delivery pipe communicating between a low part of the tank and the distributer body and having a portion thereof upwardly inclined toward said body, hot water tubes communicating between the distributer body and the tank above said pipe, heat radiating fins associated with said tubes, and a removably mounted electrical heating element supported by the distributer body and extending longitudinally in the upwardly inclined portion of the pipe.

1,983,438
ROUTING MACHINE

Abe Lincoln Cushman, Concord, N. H.

Application November 9, 1932, Serial No. 641,845
2 Claims. (Cl. 90—15)

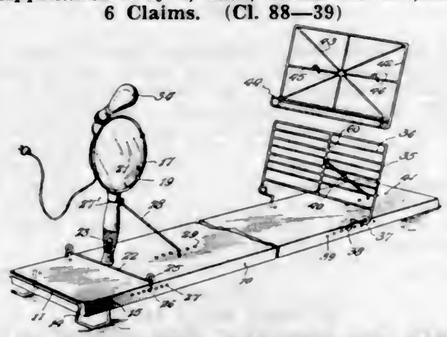


1. In a routing machine of the type having a work rest and a supporting member universally movable in a fixed plane relative to said rest, an operating mechanism comprising a bracket fixed to said supporting member and having means defining a slideway, guide members movable in said slideway toward and away from said work rest, an electric motor supported by said guide members and movable longitudinally of said slideway, a screw shaft associated with said guide members and bracket for moving said motor toward or away from said work rest, an elongate driving spindle offset relative to the shaft of the motor and journaled adjacent to its ends in bearings secured to the casing of said motor, a rotary tool holder secured to said spindle, and transmission mechanism connected to said motor shaft and spindle for driving the latter at an increased speed relative to the motor shaft.

1,983,439
READING OUTFIT

Ross A. de Vore, Atlanta, Ga.

Application July 5, 1933, Serial No. 679,141
6 Claims. (Cl. 88—39)



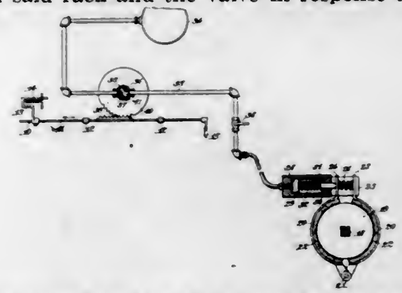
1. A reading outfit including a base, a reading glass mounted thereon and including a lens, a rack carried by the base in spaced relation to the glass longitudinally of the base for supporting an object to be observed through the lens, and means for supporting the base at a desired incline pivoted to the base adjacent one end thereof and having portions disposed diagonally of each other and selectively movable into contact with a surface to support the base at a desired incline by turning the supporting means about its pivotal connection with the base.

1,983,440
BRAKE FOR CONTROLLING UNROLLING OF CLOTH

Perry Ashburn Dillingham, Asheville, N. C., assignor to Sayles Biltmore Bleacheries, Inc., Biltmore, N. C., a corporation of Rhode Island

Application April 7, 1933, Serial No. 664,963
1 Claim. (Cl. 192—10)

The combination with a cloth yarding machine including control means including a rack for starting and stopping the machine; and cloth let-off means, of a fluid operated brake including a fluid control valve to control the operation of the let-off means, and a gear which cooperates with said rack and the valve in response to the

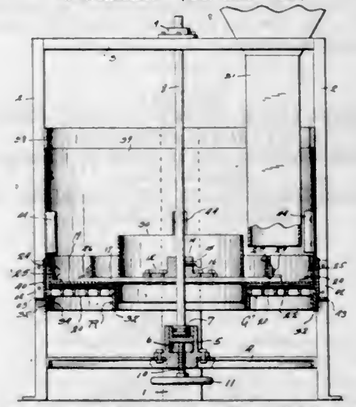


operation of said rack, to operate the gear, to open the valve, to apply the brake, for the purpose of preventing the cloth from unrolling from the let-off means after the yarding machine has been stopped.

1,983,441
NUT SHELLING MACHINE

Dempsey L. Dowling, Bainbridge, Ga.

Application December 3, 1932, Serial No. 645,613
5 Claims. (Cl. 130—30)



3. A machine of the class described comprising an annular series of grates, an annular member, means for supporting said annular member for rotation above the grate members, said annular member having openings at spaced points therealong to allow nuts to be shelled to pass through said openings between the grate members and the upper annular member, annular members substantially defining the inner and outer marginal portions of the upper annular member and rotating thereon, said annular members being upwardly disposed, and a third annular member positioned between the last named annular members and extending upwardly, said intermediate annular member being also disposed across the openings between the ends of said openings.

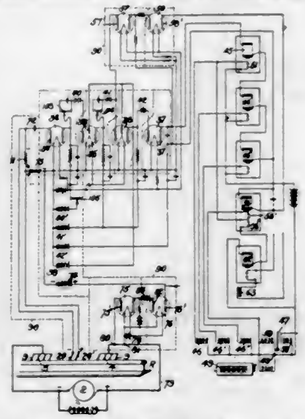
1,983,442
FISSURE DETECTOR FOR RAILS

Harcourt C. Drake, Hempstead, N. Y., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application May 12, 1928, Serial No. 277,240
8 Claims. (Cl. 175—183)

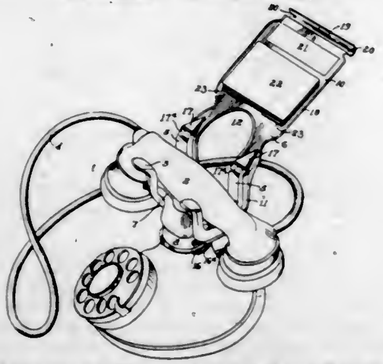
1. In a rail flaw detector having means for supplying current to the rail, a plurality of contacts,

means for moving the rail and contacts relatively to each other, and a thermionic amplifying system having the grid of the first tube connected to receive a potential from one of said contacts and the filament to receive a potential from the other of said contacts, the combination of means



for preventing variations in the current flowing through the rail from affecting said system, comprising means for varying the output of the system with variations in the voltage applied to the rail inversely as the output would otherwise be varied by the altered potential applied to the grid due to such cause.

1,983,443
MEMORANDUM SUPPORT FOR CRADLE TYPE TELEPHONES
Joseph Duceska and Howard H. Campbell, Dayton, Ohio
Application December 29, 1933, Serial No. 704,498
5 Claims. (Cl. 281—15)



1. A memorandum support adapted to be attached to a cradle-type telephone, comprising a pad-supporting member formed with a pad-holding part, said member being bent downwardly below said part, a clamp at the lower end of said member to engage the neck of the telephone instrument, and socket portions on the pad supporting member, to fit over the rear vertical yoke projections of the cradle part of said instrument.

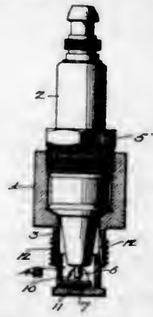
1,983,444
PNEUMATIC PUMP AND JACK
William Alfred Dry, Hodge, La.
Application March 22, 1934, Serial No. 716,870
8 Claims. (Cl. 254—86)

1. A pneumatic pump and jack for a vehicle comprising a pneumatic jack member secured to the frame of a vehicle, a pump secured in the frame of a vehicle, a pneumatic tube connecting said pump and said jack, an air shutter or escape



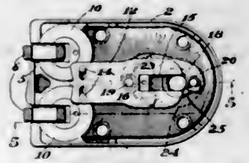
valve secured to said pneumatic tube, and means for holding said pump in inoperative position proof against vibration.

1,983,445
SPARK PLUG
Charles G. Erny, Philadelphia, Pa.
Application July 5, 1933, Serial No. 679,118
2 Claims. (Cl. 123—169)



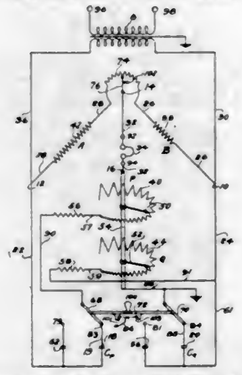
2. A spark plug comprising a hollow casing, an insulator in one end of the casing and forming the inner wall of a firing chamber located in the other end of the casing, and a shoulder on the outside of the wall of said chamber intermediate the ends of the latter, said shoulder containing the outer end of a port extending diagonally through the side wall to the inner end of the chamber, and said wall having a second port in the outer end thereof communicating with the outer end of the firing chamber.

1,983,446
ROTARY BOLT LOCK
Morris Falk, Leominster, Mass., assignor to Independent Lock Co., Fitchburg, Mass., a corporation of Massachusetts
Application September 14, 1931, Serial No. 562,723
4 Claims. (Cl. 70—74)



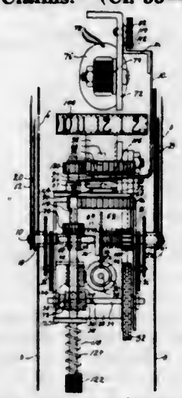
1. In a lock, the combination of a casing provided with a slot to receive a hasp, a bolt mounted in said casing to swing about an axis into a position across said slot, a hardened plunger connected with said bolt for operating it, said plunger being arranged to overlie a portion of said bolt and protect the same from being sawed when the bolt is in its locking position, and means for operating said plunger.

1,983,447
FREQUENCY METER
Robert Franklin Field, Watertown, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application November 24, 1931, Serial No. 576,987
8 Claims. (Cl. 175—368)



1. A frequency meter comprising a substantially non-inductive Wheatstone bridge having two adjacent substantially non-capacitive arms each having a resistor, a third and a fourth arm each having a resistor, a plurality of pairs of capacitors, means for connecting one capacitor of any pair in series with the resistor of the third arm and the other capacitor of the said pair in parallel with the resistor of the fourth arm, a constant additional resistor in each of the third and fourth arms for limiting the frequency range, means for simultaneously adjusting the resistors in the third and fourth arms to maintain the ratio of their effective resistances substantially constant, a resistor connecting the resistors in the said two adjacent arms, and means for connecting any desired portion of the last-named resistor in one of the said two adjacent arms and the remainder of the said last-named resistor in the other of the said two adjacent arms to adjust the effective values of the resistors in the said two adjacent arms.

1,983,448
ALARM CLOCK
Irving Florman, New York, N. Y.
Application January 25, 1932, Serial No. 588,764
6 Claims. (Cl. 58—38)



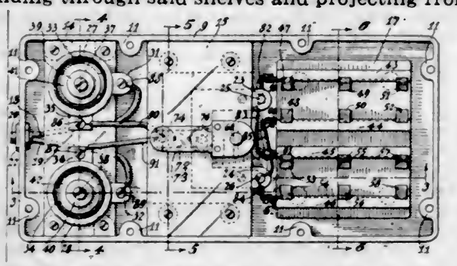
1. In a clock, a pair of oppositely facing dials, a shaft extending through each of said dials, a gear on each of said shafts, a rotatably mounted hollow drum having gear teeth on one edge thereof engaging the said gears, whereby rotation of one of said shafts will drive the other shaft in the opposite direction, hands on said shafts, and means to drive one of said shafts including a gear mounted thereon and extending within said hollow drum, said drum having teeth on its periphery, and a manually rotatable shaft having a gear thereon engageable with said peripheral teeth to set the hands.

3. In an electric alarm clock, a frame, a dial, said dial having an opening therein, a horizontal shaft mounted in said frame and extending through said dial, hands mounted on said shaft, means to drive said hands including a synchronous electric motor, a gear loosely mounted on said shaft, a second gear rigidly mounted on said shaft, friction means between said gears whereby rotation of said first gear drives said shaft, means connecting said motor to said first gear to drive said shaft, a vertical shaft mounted on said frame, a drum mounted on said vertical shaft and having gear teeth on the lower edge thereof engaging the gear rigidly mounted on the said horizontal shaft, said drum being hollow and said first gear extending into the hollow portion of the drum, an alarm mechanism including an element resiliently mounted on one portion of said frame and extending to a point adjacent another portion of the frame and normally out of contact therewith, means to energize said frame including a coil mounted thereon, means to control said alarm mechanism including a disc rotatably mounted on said vertical shaft, a second disc fixed on said vertical shaft below said first disc, said first disc having a downwardly extending flange thereon having an internal diameter greater than the diameter of said second disc and having a cam portion, a projection on said second disc extending beneath said flange and cooperating therewith to raise and lower said first disc, a sleeve portion above said first disc and connected thereto and of less diameter, a gear above said sleeve portion connected thereto and having a greater diameter than said disc, a drum above said gear and connected thereto having indicia thereon visible through the opening in the dial to indicate the setting of the said first disc, an element of spring metal fixed at one end to said frame and having a portion extending in a direction transverse to said vertical shaft between said disc and said last-named gear, and having at its free end an upwardly extending portion, the end of said upwardly extending portion lying against said frame and being movable upwardly and downwardly along said frame to a point beneath said resiliently mounted element to prevent the operation of the same, said drum having teeth on the periphery thereof, a vertically movable shaft mounted in said frame and having a gear normally engaging said gear on the sleeve, and a second gear engageable with but normally out of engagement with the teeth on said drum, said shaft being manually slidable and rotatable to set said alarm mechanism or said hands.

1,983,449
SWITCH BOX
Otto H. Frank, Brooklyn, N. Y.
Application September 10, 1931, Serial No. 562,001
2 Claims. (Cl. 200—115.5)

1. A switch box having a plurality of plug-in sockets, means to lead current into said box, a pair of spaced shelves in the box, contact plates secured to the shelves on opposite sides thereof and connected to said means, conducting members secured to said shelves on opposite sides thereof and spaced from the contact plates, con-

tact fingers in said plug-in sockets, bus bar members connecting the contact fingers to said conducting members, said fingers being connected in pairs of opposite polarity, a rotatable shaft extending through said shelves and projecting from



the box, a pointer on the projecting end of the shaft, and contact blades secured to the shaft and rotatable therewith into engagement with the conducting members and the contact plates to energize said contact fingers.

1,983,450
DELUSTERED RAYON AND SPINNING SOLUTION THEREFOR
Frank H. Griffin, Wawa, Pa., assignor to The Viscose Company, Marcus Hook, Pa., a corporation of Pennsylvania
No Drawing. Application September 20, 1932, Serial No. 634,078
2 Claims. (Cl. 106—40)

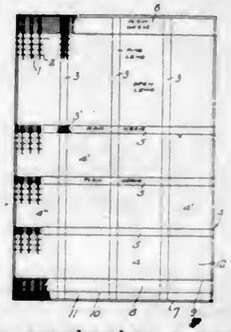
1. Viscose solution adapted to be spun into delustered rayon yarn and containing from about 0.1 to 5.0 per cent titanium dioxide delustrant and from about 0.5 to 15.0 per cent chlorinated diphenyl delustrant, the percentages being based on the weight of the cellulosic content of the viscose solution, the amount of chlorinated diphenyl present being substantially in excess of the amount of titanium dioxide, and both delustrants being in the form of finely divided solid particles.

1,983,451
LAUNDRY BAG
Eugene C. Gwaltney, Laurinburg, N. C.
Application November 9, 1931, Serial No. 573,957
5 Claims. (Cl. 139—389)



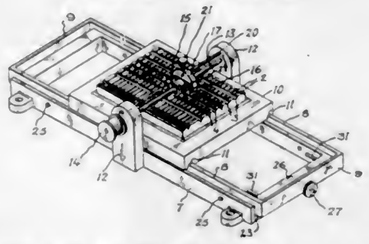
1. A tubular, seamless leno weave laundry bag wherein approximately the lower half of the bag is of closer weave than the upper half of the bag, the leno weave, near the bottom of the bag, changing over into a two-ply plain weave, the two-ply plain weave at its lower edge, being woven together into a single ply for forming a tabby bottom, the outer edge of the tabby bottom being provided with an overcast seam, the two-ply plain weave forming a friction band for protecting the bag against friction from the overcast seam.

1,983,452
LAUNDRY BAG
Eugene C. Gwaltney, Laurinburg, N. C.
Application November 9, 1931, Serial No. 573,958
2 Claims. (Cl. 139—389)



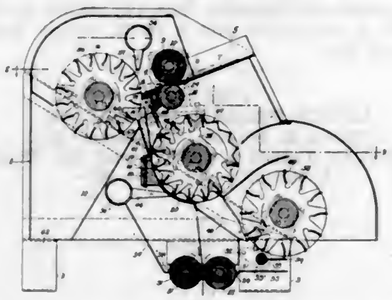
1. A tubular, seamless leno weave laundry bag, wherein the warp extends longitudinally of the bag, the bag being provided with a plurality of spaced, narrow, longitudinally extending reenforcing bands of closely woven leno weave, and with a plurality of spaced, narrow, laterally extending reenforcing bands of plain weave, said longitudinal and lateral reenforcing bands intersecting and defining between them small areas of relatively open leno weave, the longitudinal and lateral bands serving to restrict and localize a break or run in one of the said small leno weave areas to that area in which it may have started, the bag being provided, near the bottom thereof, with a wear-resisting friction band of closely woven plain weave in both faces of the bag, the two faces of the bag uniting at the lower edge of the friction band and forming a relatively heavy one-ply tabby bottom.

1,983,453
PRINTER'S RULE
John Hargraves, Durban, Union of South Africa
Application October 7, 1932, Serial No. 636,754. In the Union of South Africa November 4, 1931
3 Claims. (Cl. 90—16)



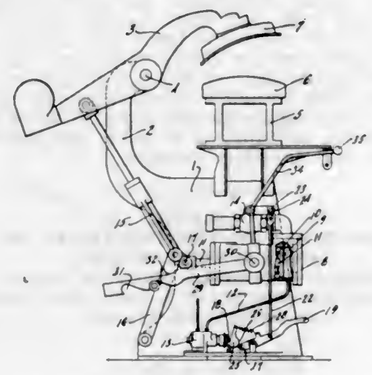
1. Apparatus for cutting slots in a type forme for the insertion of rules, comprising a rotary shaft, means for rotating it, a single rotary slotting tool slidably mounted on the shaft, means for clamping the tool in desired positions on the shaft, a chase adapted to hold the forme, and means for guiding the chase for movement in a rectilinear path transverse to the shaft so that the tool cuts shallow slots in the forme.

1,983,454
DECORTICATING AND DEFIBERATING MACHINE
Joseph Edward Haynes, Medellin, Colombia
Application September 22, 1933, Serial No. 690,627
In Colombia July 21, 1933
10 Claims. (Cl. 19—7)



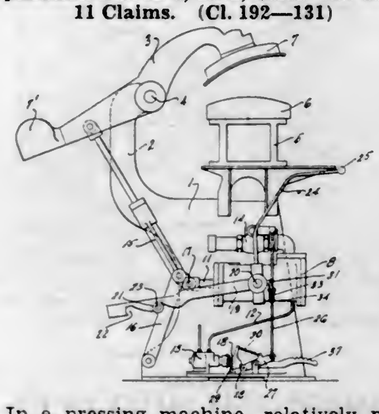
3. A decorticating and defiberating machine including a plurality of crushing and chipping wheels, means for causing two of the wheels to act on opposite faces of a fibrous leaf or stalk fed into the machine for removing the skin and pulp therefrom, a fluid under pressure directed against said wheels for rotating the wheels and at the same time washing the skin and fibrous matter as they are operated on by said wheels, a third wheel acting on the end of said leaf last fed into the machine for removing the skin and pulp therefrom.

1,983,455
PRESS
Fred A. Heidenfelder, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application February 9, 1931, Serial No. 514,391
7 Claims. (Cl. 192—131)



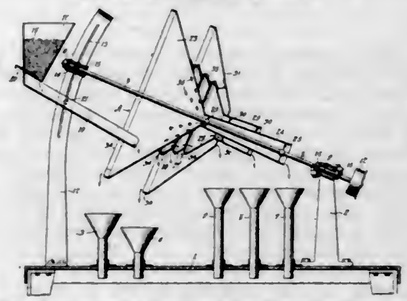
1. In a pressing machine, a pair of relatively movable, cooperating pressing members, mechanism adapted when operated to effect engagement and disengagement of said pressing members, means for operating said mechanism, control means for said operating means, latch means for said mechanism normally preventing operation thereof to effect engagement of said pressing members, and hand operable release means for said latch means, said latch means being effective, upon release of said release means prior to engagement of said pressing members, to arrest operation of said mechanism to thereby prevent such engagement of said pressing members.

1,983,456
PRESS
Fred A. Heidenfelder, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application March 6, 1931, Serial No. 520,545
11 Claims. (Cl. 192—131)



1. In a pressing machine, relatively movable pressing members, operating mechanism therefor, latch means for rendering said operating mechanism ineffective including individual latches cooperating with a part of said mechanism and so arranged when said latches are in latched position that the operating force of said mechanism is expended on said latches and is ineffective on said pressing members, and spaced hand control means for releasing said latch means, there being one hand control means for operating each latch and one of said hand control means being effective both to operate a latch and to initiate operation of said mechanism.

1,983,457
ORE SEPARATOR
George Hering, Larchmont, N. Y.
Application February 14, 1934, Serial No. 711,259
6 Claims. (Cl. 233—18)

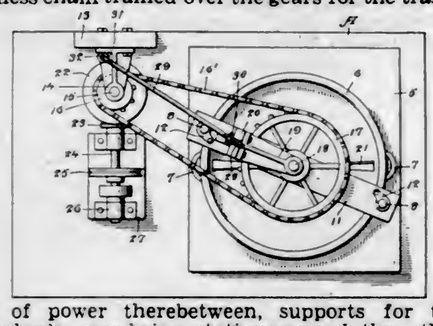


1. The herein described ore separator comprising in combination a drum including a series of coaxial cones, the intermediate cones being of appreciably smaller diameter than the front and rear cones, the front cone having perforations therein depositing onto the intermediate cones, and all of said cones having outlets for the discharge of material directed thereon.

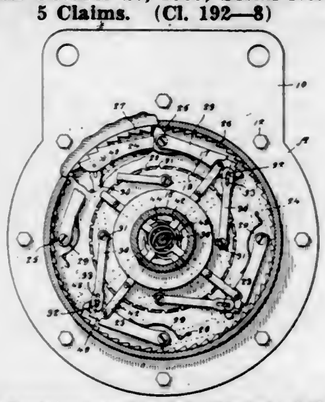
1,983,458
CHURN
Abram A. Hill, Prattsville, N. Y.
Application November 7, 1933, Serial No. 697,062
1 Claim. (Cl. 259—108)

In a machine of the character described, a pair of standards, driven gears journaled with the standards, a fork at the upper end of one stand-

ard, a swinging brace on the other standard and received in the fork, a nut adjustable on the brace and forming an abutment for the fork, an endless chain trained over the gears for the transfer of power therebetween, supports for the standards, one being stationary and the other movable, and a dasher operated by one of the gears and carried by the movable support.



1,983,459
STEERING GEAR SAFETY DEVICE
Ashby J. Hockman, Portsmouth, Va.
Application October 27, 1933, Serial No. 695,537
5 Claims. (Cl. 192—8)

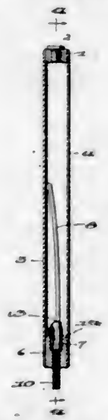


1. In a steering gear safety device of the character described, a sectional steering column, interfitted gears on the sections of said column and having a predetermined play with relation to each other, a fixed housing enclosing said gears, reversely acting ratchet dogs on one of said gears, companion ratchet gears formed interiorly of the housing for the said dogs, throw means carried by the other first-named gears and connecting in pairs the reversely acting ratchet dogs, a steering wheel operating one of the sections of said column, and means manually controlled and accessible at the steering wheel to retract the ratchet dogs to render the same inactive with the companion ratchet gears.

1,983,460
NONYELLOWING BAKING ENAMEL
Horace H. Hopkins, Springfield, and Francis S. Stewart, Aldan, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 8, 1932, Serial No. 597,630
5 Claims. (Cl. 134—26)

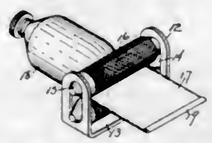
1. A process for manufacturing articles provided with a water resistant coating of substantially non-yellowed baked white enamel which comprises applying to the article to be coated a film of a white enamel composition comprising white pigment consisting preponderately of titanium pigment, a solvent, and polyhydric alcohol-polybasic acid resin containing in chemically combined form a substantial quantity of fatty oil acids of which not less than about 90% consists of the fatty oil acids of a fatty oil having an iodine value not greater than 150 and a hexabromide number not greater than 10, baking the film until it is converted into a hard, highly water-resistant film.

1,983,461
LIQUID PROJECTING DEVICE
Charles E. Howett, Lancaster, Pa.
Application August 9, 1933, Serial No. 684,455
4 Claims. (Cl. 299—90)



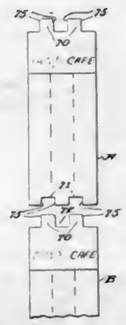
4. A liquid projecting device adapted to be interposed between several of a plurality of currency bills to, together with said currency bills with which it is used, constitute a camouflaged defensive weapon in simulation of the usual "unloaded" bundle of currency, said device comprising a long wide thin body having resilient deformable side walls, the front wall of said body being formed with a discharge passage and said body being adapted to contain a charge, in combination with frangible means normally closing said discharge passage and adapted to be fractured by the deformation of one of said side walls to open said discharge passage.

1,983,462
EJECTOR FOR THE CONTENTS OF COLLAPSIBLE TUBES
Stanley G. Johnson, Hartford, Conn.
Application July 25, 1932, Serial No. 624,387
6 Claims. (Cl. 221—60)



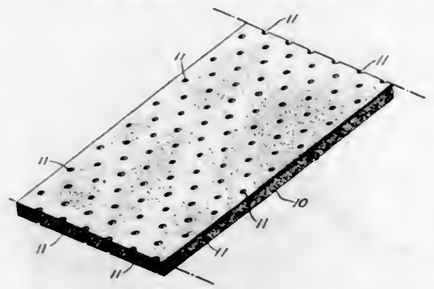
1. An ejector for the contents of collapsible tubes, said ejector being mounted on and supported solely by the tube being emptied and including a pair of ejecting rolls and a U-shaped frame having slots in its opposite sides within which are rotatably engaged the opposite ends of each of said rolls thereby locating the outer one of said rolls in the open side of said frame for access thereto of the fingers to rotate the roll.

1,983,463
TAPE OF CHECKS
Harry T. Kingsbury, Keene, N. H., assignor to Kingsbury Mfg. Company, Keene, N. H., a corporation of New Hampshire
Original application August 29, 1931, Serial No. 560,222. Divided and this application May 11, 1933, Serial No. 670,544
5 Claims. (Cl. 281—5)



1. A tape of checks comprising a strip having notches and apertures therein in transverse alinement and separated by connecting webs, and further apertures in alinement transversely of the strip and alined lengthwise of the strip with said webs.

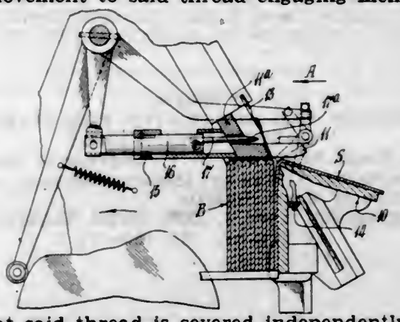
1,983,464
METHOD OF MAKING A FLEXIBLE MOLDED BRAKE LINING
William G. Kitchen, Philadelphia, Pa., assignor to Allbestos Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 23, 1932, Serial No. 594,644
2 Claims. (Cl. 18—47.5)



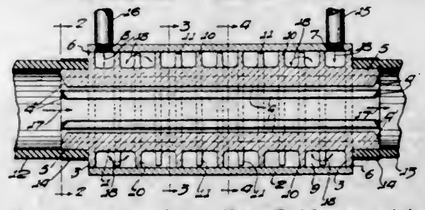
1. The method of producing non-blistering molded brake lining, comprising molding and vulcanizing the brake lining and thereafter forming ventilating openings therein.

1,983,465
THREAD-SEVERING MECHANISM
Oscar Kleinschmit, Leipzig-Plagwitz, Germany, assignor to Gebruder Brehmer, Leipzig-Plagwitz, Germany, a limited partnership of Germany
Application October 18, 1932, Serial No. 638,417
In Germany October 29, 1931
18 Claims. (Cl. 112—252)

1. Means for mechanically severing the threads serving to interconnect the books of a continuously stitched moving book-pad, including means for holding extended a thread leading from a formed stitch, a member adapted to engage the extended thread, and means for imparting movement to said thread engaging member so that said thread is severed independently of the movement of the stitched book-pad.

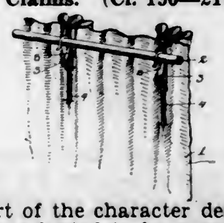


1,983,466
OIL COOLER
Joseph E. Kline, Alpena, Mich.
Application November 14, 1933, Serial No. 698,013
2 Claims. (Cl. 257—241)



1. A cooler for oil or other fluid comprising a tubular core through the bore of which heat-extracting fluid is adapted to be passed, imperforate annular flanges on the exterior of said core, said core at each end extending longitudinally beyond said flanges to provide coupling bosses, internal heat extracting fins on the bore wall of the core proper and said bosses, a cylindrical shell telescoped over said flanges in fluid-tight relation therewith having an inlet and an outlet adjacent said flanges for the fluid to be cooled, a series of substantially annular, heat-extracting baffle walls relatively close together extending outwardly from and perpendicularly to the core and peripherally contacting said shell, each baffle wall having a single port therethrough, the ports of alternate baffle walls being at diametrically opposite locations, whereby the fluid being cooled divides into two streams, each stream passing from the said inlet to the said outlet halfway around the core between each pair of baffle walls.

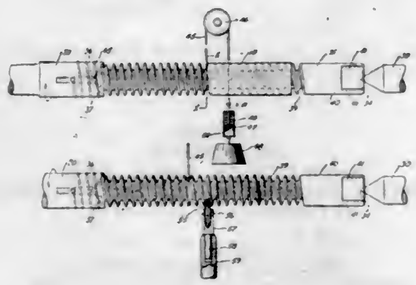
1,983,467
ADJUSTABLE DEVICE FOR CURTAINS AND DRAPERIES
Theobald Klüglein, Woodside, N. Y.
Application December 16, 1933, Serial No. 702,812
9 Claims. (Cl. 156—21)



3. A support of the character described, comprising a strip adapted to be secured to an ob-

ject, a slide straddling said strip, and a clamp for clamping the slide to said strip at different points along the strip, said clamping member including a structure for receiving an object.

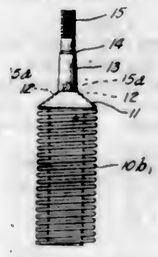
1,983,468
PROCESS AND APPARATUS FOR MAKING CORRUGATED TUBES
Max Knab, New York, N. Y., assignor to Sprague Specialties Company, Quincy, Mass., a corporation of Massachusetts
Application April 2, 1930, Serial No. 441,128
20 Claims. (Cl. 153—71)



1. A device for the compression of corrugated tubes, comprising a set of spacing plates normally held apart by resilient means, a fixed member on one end of the set and a movable member on the other end of the set, whereby when a corrugated blank is placed in said device and linear pressure exerted on said movable member, the spacing plates are moved toward the fixed member and cause compression of the corrugated tube, and spacing means to be inserted within said blank to limit the clearance between the corrugations on the inside of the tube.

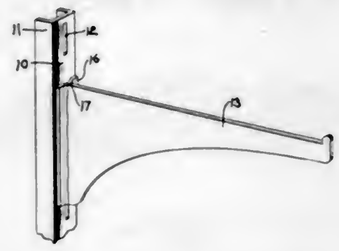
6. In the manufacture of corrugated tubes from a cylindrical blank, a process which comprises rotating said blank on a mandrel and progressively winding a tensioned wire about the rotating blank to form corrugations therein.

1,983,469
CORRUGATED TUBE
Max Knab, New York, N. Y., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Original application April 2, 1930, Serial No. 441,128. Divided and this application October 29, 1931, Serial No. 571,905
11 Claims. (Cl. 175—315)



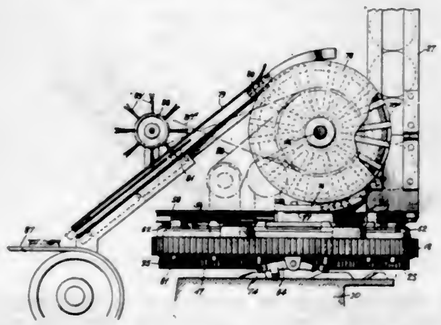
1. As a new and useful article of manufacture, a corrugated aluminum tube, the wall of which is of substantially uniform thickness throughout and having corrugations, the depth of which approximates one-half of the radius of the tube.

1,983,470
BRACKET
Joseph J. Knape, Grand Rapids, Mich., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application November 15, 1933, Serial No. 698,035
3 Claims. (Cl. 248—19)



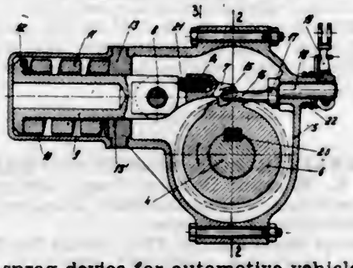
1. A bracket comprising, a bracket arm of flat metal adapted to be positioned in a vertical plane, hook members extending horizontally from one end of said bracket arm, a plate member having openings through which the hook members pass, said plate member having a curved cross section, and means for fastening the plate member onto the said bracket arm.

1,983,471
CONVEYER MECHANISM
Eric B. Kramer, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application July 22, 1931, Serial No. 552,493. Divided and this application August 18, 1932, Serial No. 629,374
2 Claims. (Cl. 198—41)



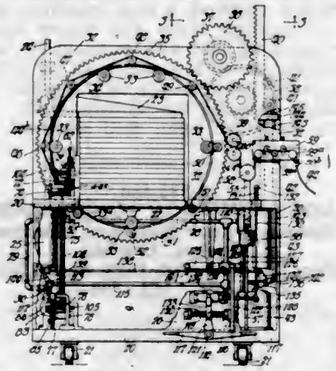
1. A conveyor mechanism comprising, in combination, a conveyer rotatable on a vertical axis and arranged to individually support cup-shaped magnetically responsive devices in spaced relation with their closed ends uppermost and to move the devices in a horizontal plane, a second conveyer adapted to remove the devices from said first named conveyer and move the same in a vertical plane, magnetic means included in said second conveyer adapted to cause the devices to adhere thereto with their closed ends in surface to surface contact with said second conveyer during movement about the latter through an arc of at least 180° whereby to invert the devices, and means associated with said second conveyer to strip and remove the devices therefrom in said inverted position.

1,983,472
SPRAG DEVICE FOR AUTOMOTIVE VEHICLES
Vincenzo Lancia, Turin, Italy
Application May 2, 1933, Serial No. 669,056
In Italy May 10, 1932
7 Claims. (Cl. 188—30)



1. A sprag device for automotive vehicles comprising a shaft connected with the vehicle driving wheels for driving them, ratchet means on said shaft, a stationary part, a sprag pawl cooperating with said ratchet means, a member mounted to move in said stationary part along a path substantially parallel to a tangent to said ratchet means and carrying said sprag pawl, resilient means engaging said pawl carrying member with said stationary part, and means under manual operation for removing said pawl from the path of said ratchet means.

1,983,473
BUNDLE BINDING AND TYING MACHINE
James M. Leaver, Jr., Oakland, Calif., assignor of one-half to Donald Parker and Citizens National Trust and Savings Bank of Riverside, administrators
Application May 14, 1924, Serial No. 713,180
71 Claims. (Cl. 100—31)



1. A machine of the class described comprising, in combination, mechanism surrounding the object to be bound for guiding and laying a band completely around said object during each cycle of movement in one direction; and means actuating said mechanism alternately in opposite directions to effect binding of the objects alternately in opposite directions; said actuating means consisting solely of members fixed against lateral shifting movement.

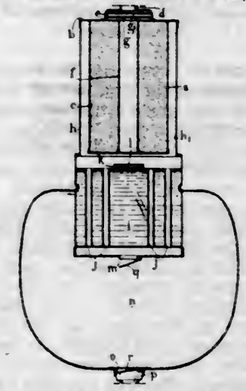
1,983,474
AUTOMATIC BRAKE MECHANISM FOR TRAILERS
Norman Lee, Volin, S. Dak., assignor of one-half to Thomas H. Greear, Volin, S. Dak.
Application April 10, 1933, Serial No. 665,424
5 Claims. (Cl. 188—118)

1. In a trailer vehicle having brakes, a normally extended contractible draw bar mounted at the front end of the vehicle, universal connection between the draw bar and steering equipment of said vehicle for the guiding thereof on the swinging of the draw bar, brake rigging on the vehicle and operative with the brakes, tensioned flexible connections between the brake



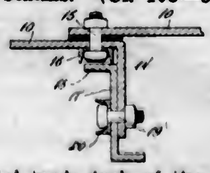
rigging and the draw bar and operated on contraction of the latter for the automatic application of the brakes, means for locking the draw bar against contraction and manually controlled, and means for rendering the flexible connection either slack or taut.

1,983,475
BREATHING APPARATUS
Georges Eugène Lemoine, Chaumont, France
Application December 15, 1932, Serial No. 647,488
In France December 31, 1931
2 Claims. (Cl. 128—191)



1. In an apparatus for protection against asphyxiating gases, of the isolating, closed circuit and oxylith regenerator type, the combination, with the said regenerator, of a vaporizing chamber mounted at the entrance of the regenerator, between the latter and the inlet conduit for the air to be regenerated, and, in this vaporizing chamber, at least one sieve adapted to be traversed by the air and to be raised to a temperature sufficient for vaporizing the small liquid drops contained in this air by the heat evolved by the regeneration reaction.

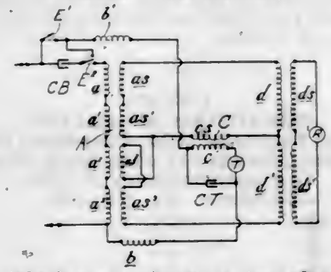
1,983,476
TANK DECK
William P. Lincoln, Electra, Tex.
Application May 15, 1933, Serial No. 671,209
3 Claims. (Cl. 108—32)



1. In a radial tank deck of the character described, a plurality of sector-shaped deck plates each having a downwardly bent flange at one edge only terminating short of the inner wall of the tank; a reinforcing structural member re-

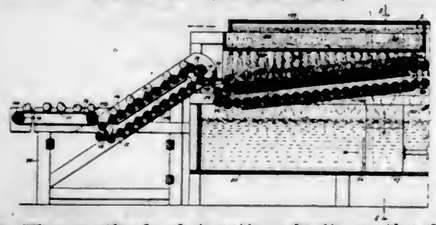
movably secured to the inner face of each downwardly bent flange and having a flange spaced below and parallel with the inside face of the deck plate; a row of seam bolts extending through the plate overlying said member; and a channel through which the seam bolts are inserted so that their heads are held in place by said flange on the reinforcing member while the deck plate is being bolted down.

1,983,477
TELEPHONE SYSTEM
James Pettigrew Lowe, Edinburgh, Scotland
Application September 25, 1933, Serial No. 690,899
In Great Britain September 30, 1932
7 Claims. (Cl. 179—81)



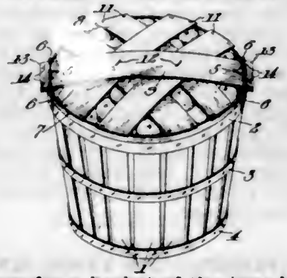
1. In telephone systems, a transformer arrangement comprising one set of windings having a primary and associated secondary, the said secondary comprising two branches of equal inductance in series, a second set of windings comprising two primary windings and associated secondary, the ends of the secondary of the first set connected to the ends of the primary of the second set, the junction of the two secondary branches of the first set connected through the secondary of a transformer to the junction of the two primary windings of the second set, forming a divided closed circuit, one branch of the secondary of the first set divided into two windings arranged with respect to each other and their associated primary that current in the primary produces no effective current in this branch of the secondary and vice versa, currents induced in the secondary of the junction transformer by its primary dividing in the two components of the closed circuit, the primary of the first set inducing effective currents in only one branch of the secondary.

1,983,478
METHOD OF AND APPARATUS FOR CLEANING FRUIT
Andrew O. Moe, Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif.
Original application March 24, 1928, Serial No. 264,286. Divided and this application July 23, 1929, Serial No. 380,391
7 Claims. (Cl. 146—194)



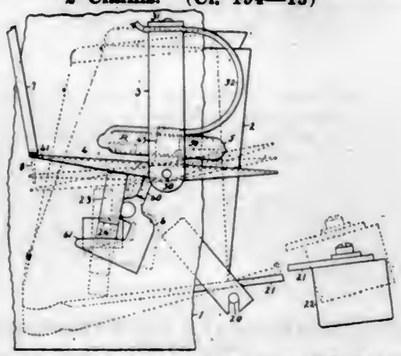
1. The method of treating fruit or the like to remove spray residue therefrom consisting in moving a quantity of distributed fruit along a predetermined pathway and turning each fruit axially to expose all surfaces thereof, applying spray residue dissolving liquid onto said fruit in gravitational flood volume to build up a depth of liquid so that each fruit is substantially immersed in a body of flowing liquid so the spray residue can be dissolved and flushed away by the liquid without approaching the saturation point, then continuing the movement of the said fruit and applying washing liquid onto said fruit in gravitational flood volume to remove the spray solvent therefrom.

1,983,479
RETAINER FOR BASKET COVERS
Walter E. Morgan, Dayton, Tenn., assignor to Dayton Veneer & Lumber Mills, Dayton, Tenn., a corporation of Tennessee
Application December 20, 1933, Serial No. 703,287
6 Claims. (Cl. 217—124)



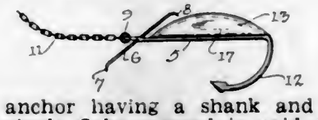
1. A cover for a basket of the type having loop members adjacent to its upper edge, said cover provided with means for retaining it upon the basket, including a slat for engagement with said loop members, said slat having an end overhanging the margin of the cover and adapted for extension through a loop member, and rigid means upstanding from the upper surface of said overhanging end and engageable with said loop member in such manner as to provide for disengagement between the loop member and the upstanding means by substantially vertical downward pressure upon said slat end.

1,983,480
COIN CONTROL MECHANISM
Thomas Sydney Morrisey, Montreal, Quebec, Canada
Application December 13, 1933, Serial No. 702,149
2 Claims. (Cl. 194—13)



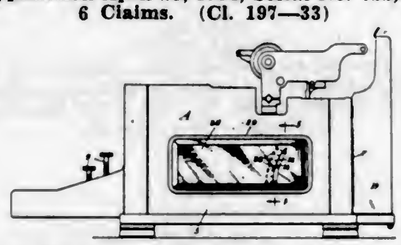
1. In a machine of the type specified a tiltable carrier adapted to receive a charge, electrically operated means for feeding the charge to the carrier, an electric circuit, a mercury switch therein, a lever on which the switch is centrally mounted, a coin chute mounted to feed a coin to the end of the lever, and thereby tilt it to close the switch, a bracket extending from the carrier adapted to limit the tilting of the lever and retain the coin thereon, a pivoted bell crank lever operated by the bracket when the carrier has received its charge and tilts forward and an arm to the bell crank lever extending under the switch lever adapted to tilt the switch to an open position.

1,983,481
ANCHOR
Jorgen Mortensen, Sitka, Territory of Alaska, assignor of fifty per cent to Chris V. Larsen, Sitka, Territory of Alaska
Application January 15, 1934, Serial No. 706,783
2 Claims. (Cl. 114—207)



1. An anchor having a shank and a cross piece, a single fluke secured to said shank, a rudder arrangement secured to said shank and diametrically opposed to said fluke, said rudder including a pair of plates secured together at their edges to provide an air space therebetween.

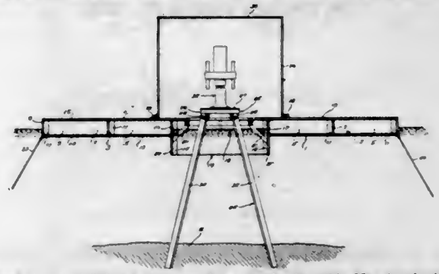
1,983,482
TYPEWRITING MACHINE
Lewis C. Myers, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application April 28, 1934, Serial No. 722,976
6 Claims. (Cl. 197—33)



1. In a typewriting machine, the combination with type bar actions, of an anchor plate pivoted intermediate its ends, springs connecting the type actions with the anchor at points above the pivot thereof, means cooperating with the plate below the pivot thereof for adjusting the latter to collectively vary the tension of the springs, and an indicator separate from the anchor adjusting means connected to the anchor for indicating the tension of the springs.

1,983,483
APPARATUS FOR MAKING GEOPHYSICAL MEASUREMENTS
Franz Julius Gerhard Neumann and Werner Rudolf Haubold, Anahuac, Tex., assignors by mesne assignments, to The Salt Dome Oil Corporation, Houston, Tex., a corporation of Delaware
Application March 3, 1934, Serial No. 713,852
15 Claims. (Cl. 265—1)

1. Apparatus for making geophysical measurements upon areas of the earth's surface covered by water which comprises a support of a form capable of being fixed to the earth bottom underlying the water and to extend to such a height above the bottom as to position above the water level a geophysical instrument mounted on said support, and a shield surrounding said instrument so constructed and so positioned with respect to said instrument as substantially to intercept motion of the water and to prevent disturbance due to motion of the water from reaching said instrument.

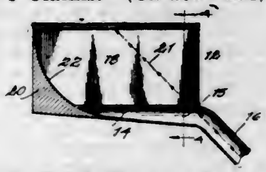


1,983,484
CONVEYER
Tage Georg Nyborg, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England
Application September 27, 1933, Serial No. 691,198
In Great Britain October 13, 1932
13 Claims. (Cl. 198—220)



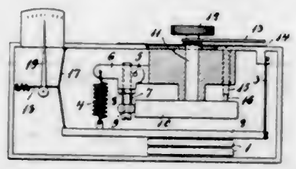
1. A coupling for adjacent sections of conveyers comprising a coupling member adapted to hold said sections in coupled relation, a wedge member capable of limited movement when in the working position and adapted to lock said coupling member in the coupling position, the wedge operating to automatically find its way to the end of the limited movement of which it is capable in the working position to draw up the sections, and a movable variable abutment permitting in one position sufficient clearance to the wedge to allow of disconnection of the sections but insufficient clearance in the working position.

1,983,485
WINDSHIELD HEATER
Abraham S. Paul, Brooklyn, N. Y.
Application April 15, 1932, Serial No. 605,535
3 Claims. (Cl. 299—154)



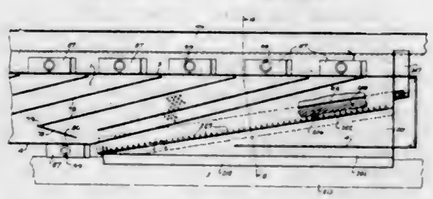
2. In a fluid distributing nozzle, a supply conduit formed with two angularly related communicating portions, one of said portions being tapered toward its end remote from said other portion, a slot in said tapered portion, a flat elongated hollow casing in registry with said slot, said casing being provided at its opposite end with an elongated orifice coextensive with said casing, the remote end portion of said casing being curved upwardly from said slot to said orifice, said casing being substantially in line with the axis of said other portion extended.

1,983,486
MEASURING INSTRUMENT
Josua Gabriel Paulin, Eskilstuna, Sweden
Application March 24, 1931, Serial No. 524,947
In Sweden March 29, 1930
7 Claims. (Cl. 73—4)



1. A measuring instrument comprising in combination a measuring member operated by gas pressure, a counter-spring, means connecting one end of said spring with said measuring member, an adjusting lever connected with the opposite end of the counter-spring, a rotatable cam disc, and means operatively connecting said adjusting lever with the circumference of said cam disc so as to vary the spring tension upon rotation of the cam disc.

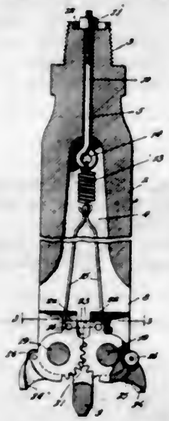
1,983,487
PROCESS AND MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS
Richard Peale, St. Benedict, and Kenneth Davis, Ebensburg, Pa., assignors, by mesne assignments, to Peale-Davis Company, Wilmington, Del., a corporation of Delaware
Application June 7, 1928, Serial No. 283,600
26 Claims. (Cl. 209—467)



1. The process of separating intermixed divided materials varying relatively greatly in size, but varying relatively little in their specific gravities, which comprises maintaining a bed of the materials of substantial thickness in continuous progression over an air-pervious table, forcing gradated lifting air currents through the forwardly moving bed to separate a superior flotant stratum of lighter material and to cause a heavier material to settle on the table by gravity, and impelling the finer settled heavier material to discharge at one side of the bed and the coarser settled heavier material to discharge at the opposite side of the bed.

22. The process for the separation of dry materials, for instance, a mixture containing two substances of different density, and in particles of different sizes, for example a mixture of coal and a heavier material, which consists in first separating the mixture by a dry pneumatic stratification separation process into at least two parts, one consisting of the larger particles of the heavier component, then submitting the remainder to a screening process for the removal of the larger particles of the lighter component of the mixture in substantially pure form, and submitting the remainder comprising the smaller particles of the lighter material, and the smaller particles of the heavier material to a pneumatic stratification separation process.

1,983,488
REAMER
Luther T. Pedigo, Greensburg, Kans.
Application February 28, 1934, Serial No. 713,363
5 Claims. (Cl. 255—78)



1. An under-reamer comprising a body, cutters journaled in the lower end of the body to rock outwardly to operative position or inwardly to inoperative position and provided with intermeshing gear teeth on their opposed surfaces, interengaging elements on the cutters and the body to limit the relative outward movement of the cutters, and a spring mounted in the body and connected with the cutters to constantly urge them outwardly toward operative position.

1,983,489
WELL PUMP
John Penrod, Okmulgee, Okla., assignor of one-half to Robert D. Thompson, Okmulgee, Okla.
Application December 20, 1929, Serial No. 415,550
14 Claims. (Cl. 103—181)



1. In a structure of the character described, a working barrel, a latching member attached to the working barrel and having leaf springs depending into the working barrel for protection thereby and being formed with dogs, a packer having a sealing element and a mandrel for expanding the sealing element, said mandrel being formed with a shoulder defining upper and lower contact surfaces adapted for engagement by said dogs.

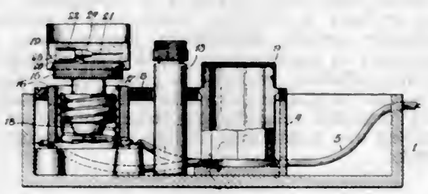
CARNEGIE LIBRARY OF ATLANTA

1,983,490
PUMP FOR USE IN WELLS
John Penrod, Okmulgee, Okla.
Application April 11, 1931, Serial No. 529,511
19 Claims. (Cl. 103—204)



1. In a pump for use in wells, a plunger having a foot valve, a movable barrel receiving the plunger, and means carried by and movable with respect to the working barrel and having a fluid passage provided with an outlet directed toward said foot valve and movable into the immediate region of the foot valve to agitate the fluid in the immediate region of the foot valve.

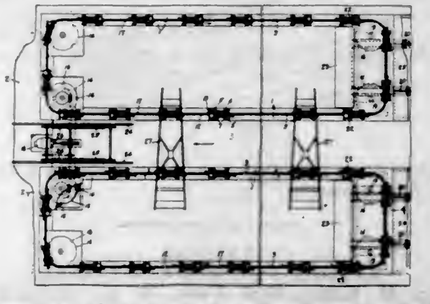
1,983,491
MEDICAL CASE
Russell E. Polhemus, New York, N. Y.
Application December 30, 1932, Serial No. 649,656
4 Claims. (Cl. 99—18)



1. In a case of the character described, the combination with a support of an electric heater in the support, a sterilizing cup having a recessed bottom fitting over the heater, and capable of being reversed to support the same on the heater.

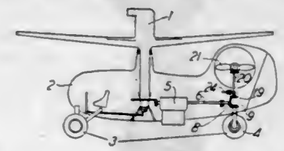
1,983,492
CONVEYER
Daniel J. Reed, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 12, 1934, Serial No. 706,318
5 Claims. (Cl. 198—20)

1. In combination with a conveyer for automobile frames and the like comprising a pair of trucks moving along spaced parallel lines with an article supported thereon, an inclined track disposed between said trucks and inclined upwardly in the direction of movement of the trucks for lifting and removing the article there-



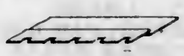
from, and separate means for propelling the article upwardly along said inclined track.

1,983,493
GROUND PROPULSION OF AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Original application October 7, 1931, Serial No. 567,393. Divided and this application June 30, 1934, Serial No. 733,270
2 Claims. (Cl. 244—2)



1. In a combination in an aircraft an engine, a landing gear wheel, means of driving the wheel and means of disengaging automatically the driving means when the aircraft rises.

1,983,494
ROOFING MATERIAL
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Original application June 30, 1920, Serial No. 393,016. Divided and this application May 9, 1927, Serial No. 190,081
2 Claims. (Cl. 108—7)

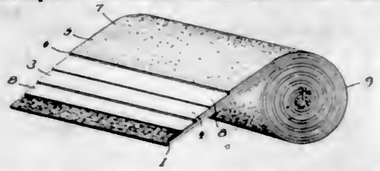


1. A roofing sheet of flexible material having an adhesive sealing strip applied along a marginal portion and projecting beyond its edge to overlap the surface of an abutting sheet, said sealing strip comprising a body portion serrated on the projecting side to form a series of tabs.

1,983,495
ROOF COVERING AND METHOD OF MANUFACTURING SAME
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application June 25, 1928, Serial No. 288,302
5 Claims. (Cl. 108—6)

1. The method of manufacturing self-adhering roofing units characterized by fabricating a plurality of individual sheets comprising a bituminous coated foundation sheet, a weather surfacing sheet, and a securing sheet provided on

both faces with a normally sticky adhesive coating adapted to bond with the first mentioned



sheets when interposed between same in a built-up roof covering.

1,983,496

SACHET POWDER CONTAINER

Paul H. Ganz, New York, N. Y., assignor to D. Lisner & Co., New York, N. Y., a corporation of New York

Application September 6, 1934, Serial No. 742,935
10 Claims. (Cl. 132—78.5)



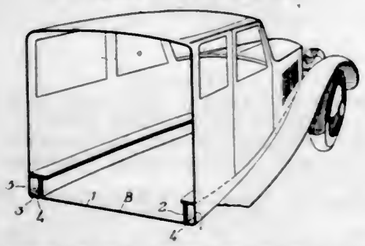
1. A sachet powder container having an inner receptacle adapted to hold sachet powder, an outer covering for said bag, said covering being formed from a hank of fibrous material doubled over at its mid portion and positioned so that an intermediate portion thereof surrounds said bag on all sides thereof, the bight portion of said hank being positioned on one side of the bag and the tasselated end of the hank being positioned on the other side of said bag.

1,983,497

SELF-SUPPORTING CAR BODY MADE OF SHEET METAL

Albert Berthold Henninger, Berlin-Halensee, Germany

Application August 27, 1930, Serial No. 478,160
In Germany September 6, 1929
5 Claims. (Cl. 296—28)



1. A sheet metal passenger motor car body comprising opposite side bearers extending longitudinally of the body part, each of said bearers being U-shape in cross-section and with its opposite sides in closely spaced relation to constitute a side wall of the body part, and a floor member fitting between the opposite side bearers, said floor member having edge flanges abutting the inner sides of the bearers.

1,983,498

CEMENT FOR ACID-PROOF BRICKWORK

Elisabeth Lux, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application February 17, 1931, Serial No. 516,519. In Germany December 19, 1929
2 Claims. (Cl. 106—30)

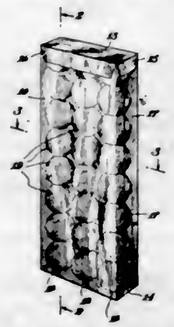
1. Cement for acid-proof brickwork, consisting of a mixture of quartz sand and quartz dust with talcum and water-glass solution.

1,983,499

MARBLE PACKAGE

Morris Rosenthal, New York, N. Y.

Application January 20, 1934, Serial No. 707,437
2 Claims. (Cl. 206—46)



1. A marble package consisting of a plurality of at least four toy glass marbles of substantially equal sizes and arranged in contiguous relation in rows in a single plane, and a prismatic enclosure snugly enveloping the marbles and composed of transparent flexible sheet material having sufficient rigidity to cause the enclosure to retain its shape and maintain the marbles in their original relationship, whereby all of the marbles are constantly visible to the maximum degree.

1,983,500

OPHTHALMIC MOUNTING

Wayne S. Searles, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a corporation of Rhode Island

Application September 15, 1934, Serial No. 744,164
11 Claims. (Cl. 88—47)



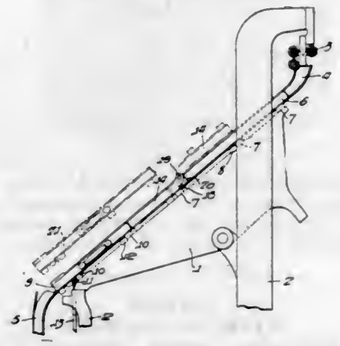
1. In an ophthalmic mounting, spaced ears for receiving another part between them, a bushing in one of said ears cut away to provide a recess, and a lever having trunnions pivoted in the recess between said bushing and arm for swinging into engagement with the screw passing thru said bushing.

1,983,501

MATRIX MAGAZINE FOR TYPOGRAPHICAL MACHINES

Richard E. Sylte, Chicago, Ill., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application February 7, 1934, Serial No. 710,143
In Germany November 11, 1933
14 Claims. (Cl. 199—44)



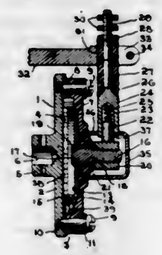
1. In a matrix magazine for typographical machines comprising a matrix guiding section and a section to receive and hold matrices from said guiding section, an exchangeable magazine section movable into and out of a position to enable matrix holding sections of different lengths to be used.

1,983,502

CONTROL MEANS

Henry P. Vaughan, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application November 10, 1931, Serial No. 574,097
5 Claims. (Cl. 200—80)



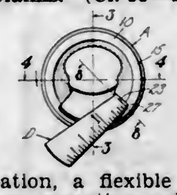
1. An electric switch of the character described, comprising a rotatable hollow casing having opposed end walls joined by a substantially internally cylindrical side wall, one of said end walls being of insulating material, a metal disc in said casing in concentric spaced relation to said side wall, a current conducting post fixed centrally to said disc and extending through said one end wall, means external of said casing and acting on said post to clamp said disc tightly to said one end wall, the other of said end walls being of metal and having an external socket concentric with said post and adapted to receive a supporting and driving shaft, and a current conducting liquid in said casing operable when said casing is at rest to make contact between said disc and said other end wall.

1,983,503

MEASURING RULE

Frederick A. Volz, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application February 25, 1933, Serial No. 658,547
13 Claims. (Cl. 33—138)



1. In combination, a flexible ribbon rule of concavo-convex cross section and sufficient stiffness to maintain itself in substantially straight form, a casing for maintaining said rule in an annular coiled condition and formed to allow it to be coiled and uncoiled from its inner end, said casing having an entrance mouth between the top and bottom sides thereof provided with an edge passing through the annulus, said edge being inclined away from a plane passing through the axis of said casing and the juncture of said edge with the top of said casing, on the side of said plane opposite the major portion of the mouth.

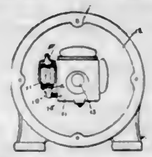
13. A flexible ribbon rule of concavo-convex cross section and of sufficient stiffness to maintain itself in substantially straight form, said rule being adapted to be coiled in a casing or the like, one end of said rule being of reduced stiffness transversely in order to facilitate entry of that end of the rule into the casing.

1,983,504

LUBRICATOR

Arthur E. Westburgh, Jamestown, N. Y., assignor to Edward R. Haglund, Jamestown, N. Y.

Application July 10, 1933, Serial No. 679,768
15 Claims. (Cl. 184—103)



1. A lubricator having a cup, a closure pivoted thereon for movement to an open position, a valved conduit screw-threaded to the closure and communicating with the cup, a reservoir screw-threaded on the conduit to supply lubricant therethrough and filling means for the reservoir independently of said conduit.

1,983,505

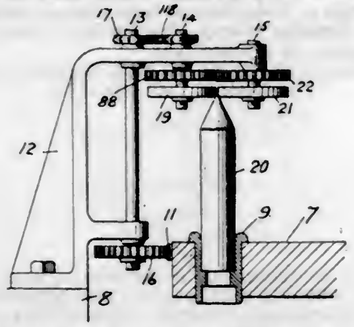
TUBE CLOSING MACHINE WITH SEALING ROLLS

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 22, 1931, Serial No. 570,336
2 Claims. (Cl. 113—1)

1. A tube closing machine including in combination, a dial, a set of teeth on the perimeter of said dial, means within the perimeter of said dial for continuously conveying an endless plurality of tubes whose ends are to be closed, a standard, a counter shaft supported by said standard, a gear on said counter shaft meshing with the teeth on said dial, a roll supported on said standard on one external side of said tubes, a second roll supported on said standard on the opposite external side of said tubes so that said rolls receive between them the end of a tube and

apply pressure thereto, intermeshing gears connected to said rolls to drive them at the same

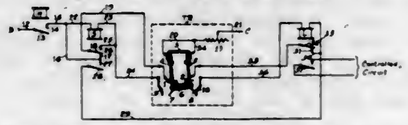


speed, and means separate from said counter shaft for driving one of said rolls from said counter shaft.

1,983,506
TIME ELEMENT CIRCUIT FOR TRAFFIC CONTROLLING SYSTEMS

Joseph E. Willing, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 20, 1931, Serial No. 551,931
14 Claims. (Cl. 175—320)



1. In a time element circuit, a thermal relay having bi-metallic means operable to a normal and to reverse position, a first heating unit arranged to operate said bi-metallic means to said reverse position, a second heating unit arranged to operate said bi-metallic means to said normal position, a stick relay, an energizing circuit for said first heating element including a contact of said stick relay, an energizing circuit for said stick relay including contact means of said thermal relay made in said reverse position, a control relay, an energizing circuit for said second heating element including a contact of said stick relay and a contact of said control relay, and an energizing circuit for said control relay including a contact of said stick relay and contact means of said thermal relay made in said normal position.

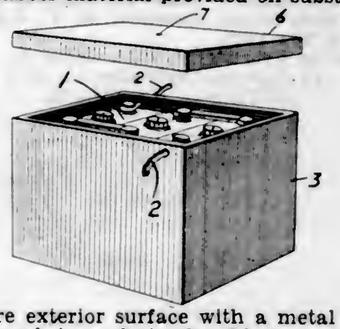
8. In a time element circuit employing a thermal relay having opposed bi-metallic elements, operating units on each of said elements, energizing means for one of said operating units whereby said bi-metallic elements are operated to one position, a stick relay arranged to assume a position to register said position, energizing means for the other of said operating units whereby said bi-metallic elements are operated back to normal position, a control relay, and means whereby said control relay assumes a position to register said normal position and said stick relay position.

1,983,507
SPRAYED METAL CASE FOR A STORAGE BATTERY

Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application November 14, 1930, Serial No. 495,610
2 Claims. (Cl. 136—166)

1. An ignition battery having inter-cell connectors and filling plugs and adapted for use on vehicles and shielded to prevent interference with radio reception, having a case extending above the cell connectors and plugs and consisting of rubber material provided on substantially

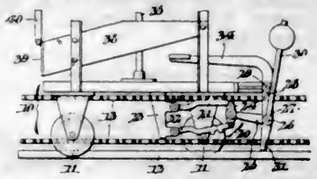


its entire exterior surface with a metal deposition, there being a fusion bond between the rubber and metal and the deposition being devoid of self-support by reason of its thinness.

1,983,508
WINDING MACHINE

George Baxendine Cocker, Gastonia, N. C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C., a corporation of North Carolina

Application April 19, 1929, Serial No. 356,502
2 Claims. (Cl. 74—37)

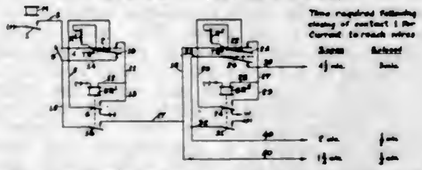


1. In winding machines with longitudinally arranged series of winding units, including a wheeled carriage to support an operative, and a rail track for the carriage extending alongside the winding machine, a constantly-moving endless chain lengthwise intermediate the track rails, and means comprising opposingly-active independently-fulcrumed grip members, subject to counterbalancing-influence, supported by the carriage for alternate coupling engagement with the respective flights of the endless chain to automatically propel said carriage along the track and convey the operative back and forth past the winding units.

1,983,509
TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 15, 1932, Serial No. 617,264
14 Claims. (Cl. 175—320)

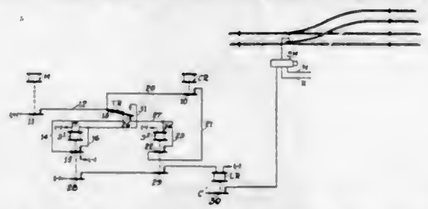


1. In combination in a railway signal system, a thermal relay, a stick relay, an energizing circuit for said thermal relay including a back contact of said stick relay, a pick-up circuit for said stick relay including a front contact of said thermal relay, a control circuit including a front contact of said stick relay and a back contact of said thermal relay, and a separate contact for at times shunting said back contact of said thermal relay, whereby said control circuit may be closed upon heating and cooling of said thermal relay when said separate contact is open but may be closed upon heating alone of said thermal relay when said separate contact is closed.

1,983,510
TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Forest B. Hitchcock, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 15, 1932, Serial No. 617,263
16 Claims. (Cl. 175—320)

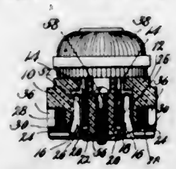


1. In a time measuring device for railway traffic controlling systems, the combination with a thermal relay, two stick relays, pick-up circuits for said stick relays one closed only if said thermal relay is in its cool condition and the other closed only if said thermal relay is in its heated condition, a stick circuit for each of said stick relays with each such stick circuit independent of control by said thermal relay and the opposite stick relay, and means for signifying when both of said stick relays assume their energized condition.

1,983,511
ATTACHMENT PLUG RECEPTACLE

Frank E. Johnson, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts

Application April 30, 1929, Serial No. 359,215
4 Claims. (Cl. 173—330)

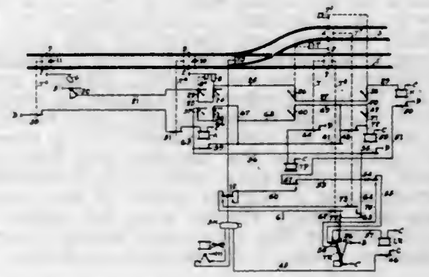


1. An attachment plug receptacle comprising a one-piece insulating body having an interior expanded recess opening out the lower face of said body, said opening being restricted to form an interior shoulder adjacent said lower face, a resilient contact blade comprising a base and a reversed V-portion, said V-portion being mounted in said recess with its free end in engagement with said interior shoulder to lock said contact therein without other fastening means, and a jack-blade slot entering said recess from the outer face of said body in offset relation to said opening in said lower face, said interior shoulder being of a width sufficient to retain the free end of said contact blade in engagement therewith when a jack-blade is inserted in said slot.

1,983,512
RAILWAY TRAFFIC CONTROLLING SYSTEM

Ernest B. Kempster, Jr., Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 30, 1932, Serial No. 608,501
5 Claims. (Cl. 246—3)

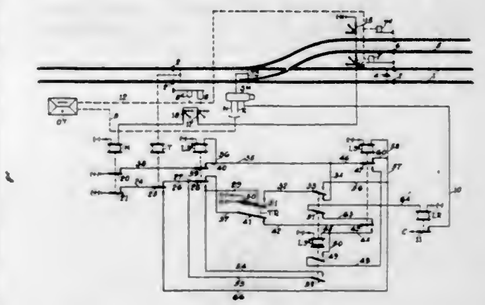


1. Switch locking means for locking a track switch against operation comprising, a normally energized stick relay which is deenergized upon a signal governing traffic over said track switch indicating clear only if there be a train approaching such signal, a locking circuit permitting operation of said track switch including a contact closed when said signal is at stop and said stick relay is energized, and automatically controlled slow acting means for reenergizing said stick relay.

1,983,513
TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Ernest B. Kempster, Jr., Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

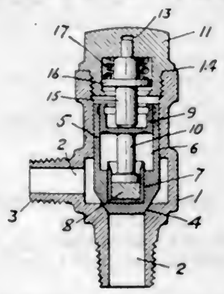
Application June 15, 1932, Serial No. 617,265
20 Claims. (Cl. 246—160)



1. Time measuring means for controlling the locking of a traffic controlling device comprising, a slow acting relay, a first stick relay having a pick-up circuit including a front contact of said slow acting relay, a second stick relay having a pick-up circuit including a front contact of said first stick relay and a back contact of said slow acting relay, a third stick relay having a pick-up circuit including a front contact of said second stick relay and a front contact of said slow acting relay, and two energizing circuits for said slow acting relay one including a back contact of said first stick relay and the other including a front contact of said second stick relay.

1,983,514
RELIEF VALVE
Luther D. Lovekin, Villanova, Pa., assignor to Kitson Company, Philadelphia, Pa., a corporation of West Virginia
Application August 10, 1933, Serial No. 684,486
2 Claims. (Cl. 137—161)

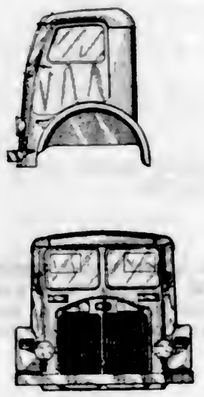
1. A temperature relief valve comprising a housing having a fluid way to a drain and a valve seat in the fluid way, a valve slidable in the housing towards and away from said seat and having an axial chamber including a pocket, a fusible member in the pocket, a slidable piston guided in the chamber and adapted to restrain splash from the fusible member and having a rod seated on the fusible member, a cap threadedly mounted in the housing and having a spring receiving cavity, said cavity including a plunger guide, a plunger guided in the plunger guide and axially aligned with the piston rod and bearing on the piston and having a spring supporting flange, a spiral spring encircling the plunger and arranged between the cap and spring supporting flange and normally held in solid compression between the cap and fusible member, whereby small opening of the valve by normal liquid pressure and drip at the drain is prevented.



DESIGNS

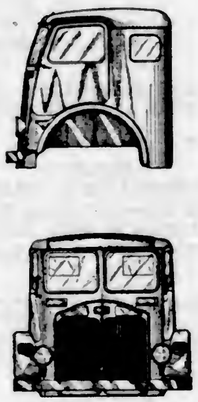
DECEMBER 4, 1934

93,959
DESIGN FOR A MOTOR VEHICLE CAB
Frank G. Alborn and Viktor Schreckengost, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1934, Serial No. 53,022
Term of patent 14 years



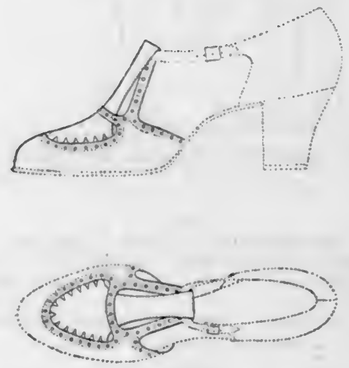
The ornamental design for a motor vehicle cab, as shown.

93,960
DESIGN FOR A MOTOR VEHICLE CAB
Frank G. Alborn and Viktor Schreckengost, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1934, Serial No. 53,023
Term of patent 14 years



The ornamental design for a motor vehicle cab, as shown.

93,961
DESIGN FOR A SHOE
Bertha Arkin, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 20, 1934, Serial No. 53,705
Term of patent 3½ years



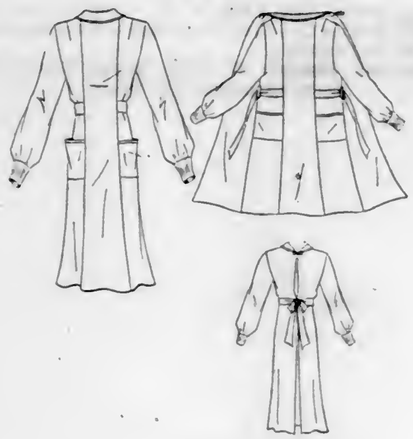
The ornamental design for a shoe substantially as shown and described.

93,962
DESIGN FOR A SHOE
Benjamin Benjamin, New York, N. Y.
Application May 24, 1934, Serial No. 51,901
Term of patent 3½ years



The ornamental design for a shoe as shown and described.

93,963
DESIGN FOR A DRESS
Samuel Borger, Brooklyn, N. Y.
Application June 29, 1934, Serial No. 52,392
Term of patent 3½ years



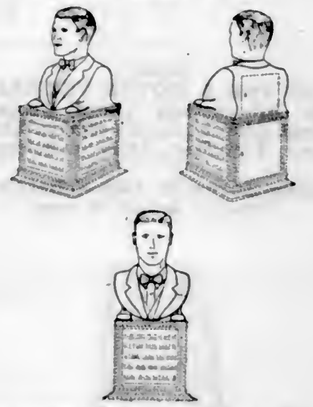
The ornamental design for a dress, as shown.

93,964
DESIGN FOR AN ELECTRIC LAMP OR THE LIKE
Alexander J. W. Bouwens, Inglewood, Calif.
Application March 10, 1934, Serial No. 51,000
Term of patent 7 years



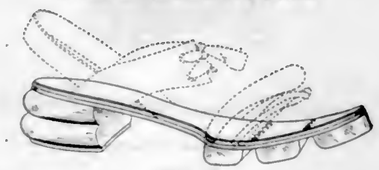
The ornamental design for an electric lamp, or the like, substantially as shown.

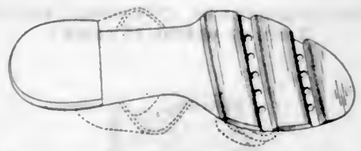
93,965
DESIGN FOR A DISPLAY BOX
Sylvanus F. Bowser, Fort Wayne, Ind.
Application March 30, 1934, Serial No. 51,250
Term of patent 14 years



The ornamental design for a display box as shown and described.

93,966
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Albert M. Bressler, New York, N. Y.
Application October 29, 1934, Serial No. 53,801
Term of patent 3½ years





The ornamental design for a shoe or similar article substantially as shown and described.

93,967
DESIGN FOR A CHAIR
John Mershon Brower, Grand Rapids, Mich.
Application August 20, 1934, Serial No. 52,992
Term of patent 3½ years



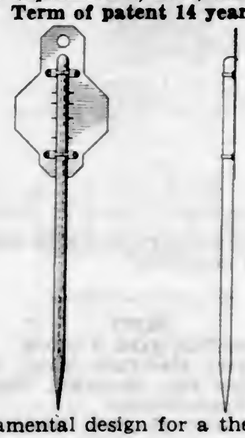
The ornamental design for a chair, as shown.

93,968
DESIGN FOR A TABLE
John Mershon Brower, Grand Rapids, Mich.
Application August 20, 1934, Serial No. 52,993
Term of patent 3½ years



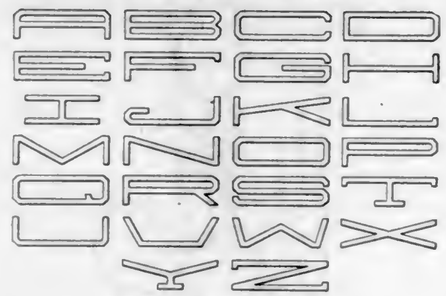
The ornamental design for a table, as shown.

93,969
DESIGN FOR A THERMOMETER
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application September 8, 1934, Serial No. 53,236
Term of patent 14 years



The ornamental design for a thermometer, as shown.

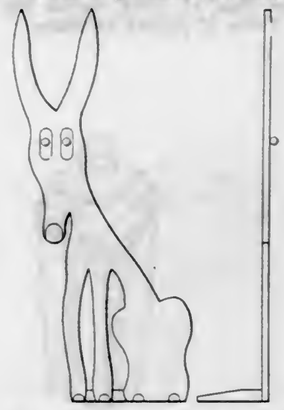
93,970
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Michael Chernow, Brooklyn, N. Y.
Application March 23, 1934, Serial No. 51,148
Term of patent 7 years





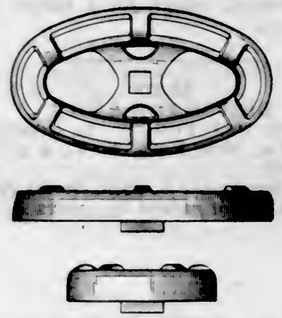
The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

93,971
DESIGN FOR A NOVELTY DOOR STOP
Leonard Clark, Dundas, Ontario, Canada
Application August 13, 1934, Serial No. 52,933
Term of patent 3½ years



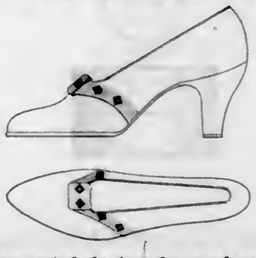
The ornamental design for a novelty door stop, as shown.

93,972
DESIGN FOR A HANDWHEEL
Charles R. Crane, 2d, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 1, 1934, Serial No. 53,447
Term of patent 14 years



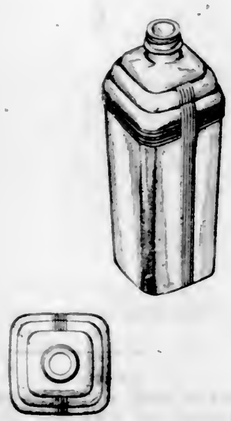
The ornamental design for a handwheel, substantially as shown.

93,973
DESIGN FOR A SHOE
Walter E. Ebling, Rochester, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application October 8, 1934, Serial No. 53,520
Term of patent 3½ years



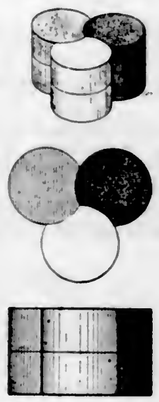
The ornamental design for a shoe, as shown.

93,974
DESIGN FOR A BOTTLE
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 11, 1934, Serial No. 51,747
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

93,975
DESIGN FOR A BOX
Paul H. Ganz, New York, N. Y., assignor to D. Lisner & Co., New York, N. Y., a corporation of New York
Application September 6, 1934, Serial No. 53,212
Term of patent 3½ years



The ornamental design for a box as shown.

93,976
DESIGN FOR A SHOE
Harry Geller, New York, N. Y.
Application June 23, 1934, Serial No. 52,321
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

93,977
DESIGN FOR A SHOE
Herman Goldberg, Haverhill, Mass., assignor to Goldberg Bros. Inc., Haverhill, Mass., a corporation of Massachusetts
Application October 17, 1934, Serial No. 53,648
Term of patent 3½ years



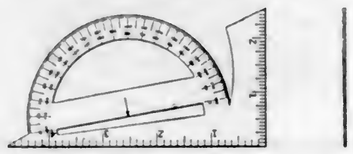
The ornamental design for a shoe as shown.

93,978
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Highland Park, Ill.
Application October 29, 1934, Serial No. 53,799
Term of patent 3½ years



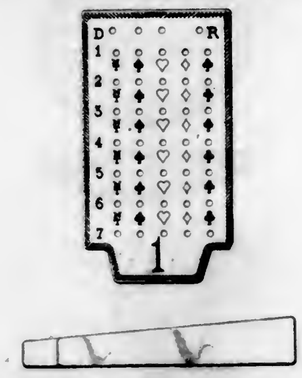
The ornamental design for a shoe or similar article, substantially as shown and described.

93,979
DESIGN FOR A DRAWING IMPLEMENT
Robert S. Grant, Providence, R. I.
Application March 27, 1934, Serial No. 51,201
Term of patent 7 years



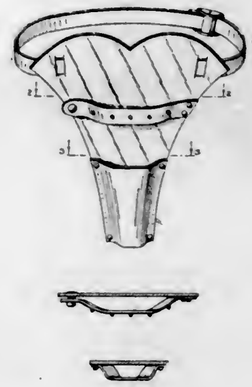
The ornamental design for a drawing implement, substantially as shown.

93,980
DESIGN FOR A BRIDGE REMINDER
Joseph Yost Hamilton, Clarksburg, W. Va.
Application September 20, 1934, Serial No. 53,333
Term of patent 14 years



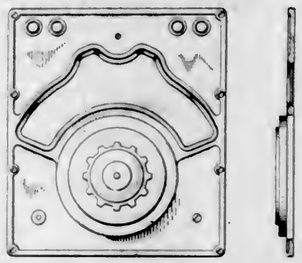
The ornamental design for a bridge reminder, as shown.

93,981
DESIGN FOR A BOY'S PISTOL HOLSTER OR SIMILAR ARTICLE
Herman Iskin, Jamaica, N. Y., assignor to Sackman Brothers Company, New York, N. Y.
Application October 8, 1934, Serial No. 53,519
Term of patent 7 years



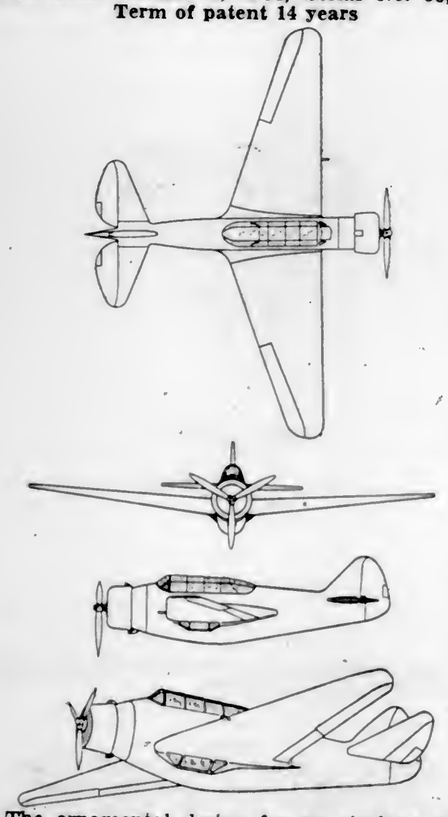
The ornamental design for a boy's pistol holster or similar article, as shown.

93,982
DESIGN FOR AN INSTRUMENT PANEL
Manfred J. Johnson, Naugatuck, Conn.
Application March 10, 1932, Serial No. 43,144
Term of patent 7 years



The ornamental design for an instrument panel, as shown.

93,983
DESIGN FOR AN AIRPLANE
James H. Kindelberger, Los Angeles, Calif., assignor to General Aviation Manufacturing Corporation, Dundalk, Md., a corporation of Delaware
Application October 9, 1934, Serial No. 53,526
Term of patent 14 years



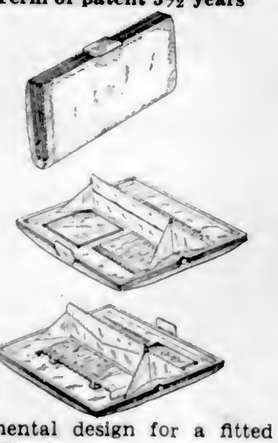
The ornamental design for an airplane substantially as shown.

93,984
DESIGN FOR A STOVE
Henry Lange, Quincy, Ill.
Application October 8, 1934, Serial No. 53,518
Term of patent 14 years



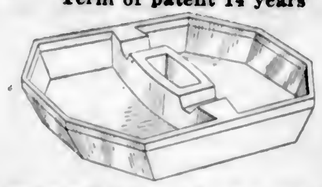
The ornamental design for a stove as shown.

93,985
DESIGN FOR A FITTED POCKETBOOK
Florence N. Lewis, New York, N. Y.
Application August 29, 1934, Serial No. 53,109
Term of patent 3½ years



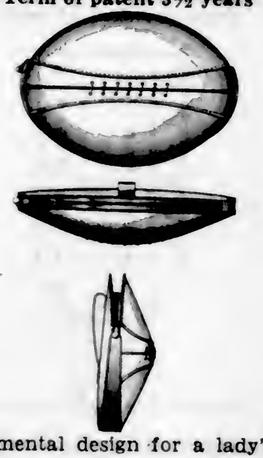
The ornamental design for a fitted pocketbook, as shown.

93,986
DESIGN FOR A SMOKER'S ASH TRAY
Thomas Richard Lulham, London, England
Application September 10, 1934, Serial No. 53,248
In Great Britain May 11, 1934
Term of patent 14 years



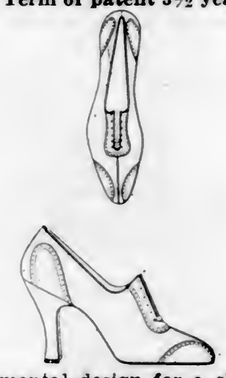
The ornamental design for a smoker's ash tray as shown.

93,987
DESIGN FOR A LADY'S PURSE
George J. Lynn, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1934, Serial No. 53,406
Term of patent 3½ years



The ornamental design for a lady's purse as shown.

93,988
DESIGN FOR A SHOE
George McClellan, St. Louis, Mo., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application September 20, 1934, Serial No. 53,336
Term of patent 3½ years



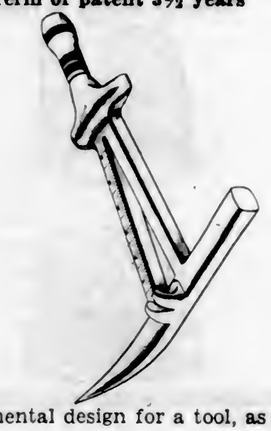
The ornamental design for a shoe, as shown

93,989
DESIGN FOR A SHOE
Joseph W. McGee, New York, N. Y.
Application October 17, 1934, Serial No. 53,654
Term of patent 3½ years



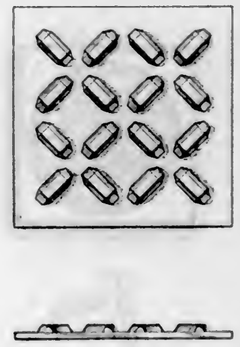
The ornamental design for a shoe, as shown.

93,990
DESIGN FOR A TOOL
Martin Troy McKnight, Mount Airy, N. C.
Application September 11, 1934, Serial No. 53,256
Term of patent 3½ years



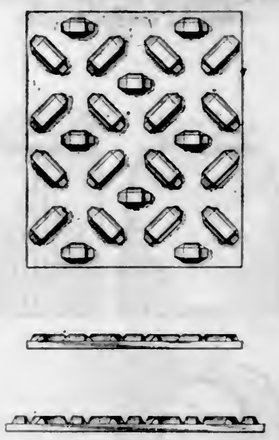
The ornamental design for a tool, as shown.

93,991
DESIGN FOR A FLOOR PLATE
Edwin Earl Moore, Chicago, Ill.
Application June 23, 1934, Serial No. 52,315
Term of patent 14 years



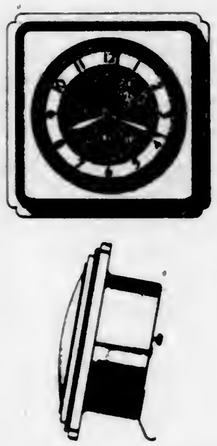
The ornamental design for a floor plate as shown.

93,992
DESIGN FOR A FLOOR PLATE
Edwin Earl Moore, Chicago, Ill.
Application June 23, 1934, Serial No. 52,316
Term of patent 14 years



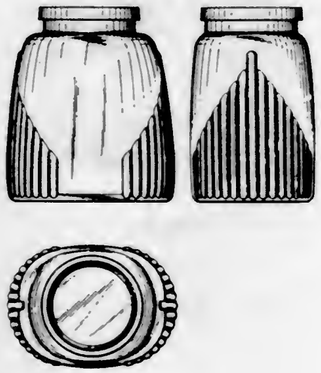
The ornamental design for a floor plate as shown.

93,993
DESIGN FOR A COMBINED CLOCK CASE AND DIAL
John Nickelsen, New York, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application September 25, 1934, Serial No. 53,395
Term of patent 14 years



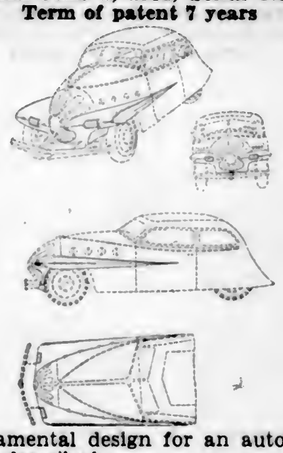
The ornamental design for a combined clock case and dial as shown.

93,994
DESIGN FOR A JAR
Olbert C. Noble, Washington, Pa., assignor to Tygart Valley Glass Company, Washington, Pa., a corporation of West Virginia
Application September 27, 1934, Serial No. 53,411
Term of patent 7 years



The ornamental design for a jar, as shown.

93,995
DESIGN FOR AN AUTOMOBILE
John C. Northup, Atlanta, Ga.
Application June 2, 1934, Serial No. 52,021
Term of patent 7 years



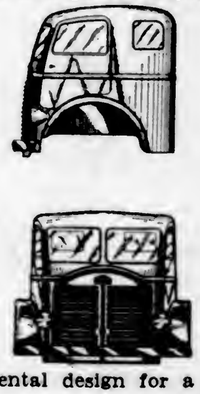
The ornamental design for an automobile as shown and described.

93,996
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
William E. Reynolds, Glen Rock, N. J., and Raymond Harvey, New York, N. Y.
Application June 26, 1934, Serial No. 52,346
Term of patent 14 years



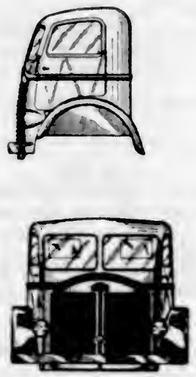
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

93,997
DESIGN FOR A MOTOR VEHICLE CAB
Viktor Schreckengost and Frank G. Alborn, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1934, Serial No. 53,024
Term of patent 14 years



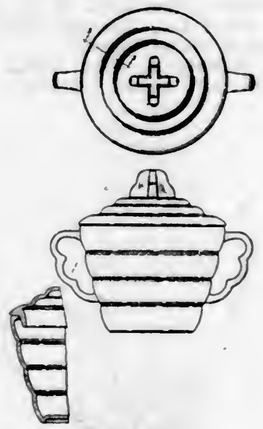
The ornamental design for a motor vehicle cab, as shown.

93,998
DESIGN FOR A MOTOR VEHICLE CAB
Viktor Schreckengost and Frank G. Alborn, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1934, Serial No. 53,025
Term of patent 14 years



The ornamental design for a motor vehicle cab, as shown.

93,999
DESIGN FOR A SUGAR BOWL
Charles L. Sebring, Sebring, Ohio, assignor to The Sebring Pottery Company, Sebring, Ohio, a corporation of Ohio
Application September 13, 1934, Serial No. 53,277
Term of patent 7 years



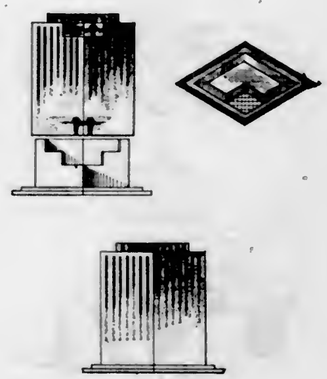
The ornamental design for a sugar bowl, as shown.

94,000
DESIGN FOR A CUP OR SIMILAR ARTICLE
Charles L. Sebring, Sebring, Ohio, assignor to The Sebring Pottery Company, Sebring, Ohio, a corporation of Ohio
Application September 13, 1934, Serial No. 53,279
Term of patent 7 years



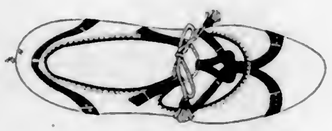
The ornamental design for a cup or similar article, as shown.

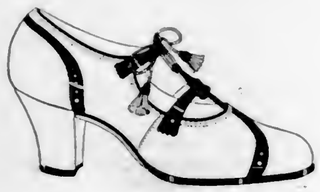
94,001
DESIGN FOR A PERFUME CONTAINER OR SIMILAR ARTICLE
Joseph S. Stein, Highland Park, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application September 17, 1934, Serial No. 53,308
Term of patent 7 years



The ornamental design for a perfume container or a similar article, as shown.

94,002
DESIGN FOR A SHOE
Otto F. Stock, Columbus, Ohio, assignor to The Julian & Kokenge Co., Columbus, Ohio, a corporation of Ohio
Application October 2, 1934, Serial No. 53,457
Term of patent 3½ years





The ornamental design for a shoe as shown.

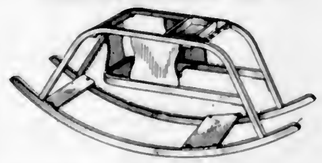
94,003
DESIGN FOR A SHOE
Otto F. Stock, Columbus, Ohio, assignor to The Julian & Kokenge Co., Columbus, Ohio, a corporation of Ohio
Application October 2, 1934, Serial No. 53,458
Term of patent 3½ years





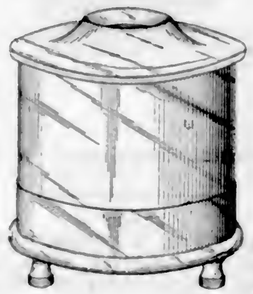
The ornamental design for a shoe as shown.

94,004
DESIGN FOR A BABY ROCKER
Clifford I. Sweet, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application September 17, 1934, Serial No. 53,314
Term of patent 14 years



The ornamental design for a baby rocker, as shown.

94,005
DESIGN FOR A MOTH EXTERMINATOR
Gordon G. Terris, Chicago, Ill., assignor to W. B. McCloud & Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1934, Serial No. 50,735
Term of patent 3½ years



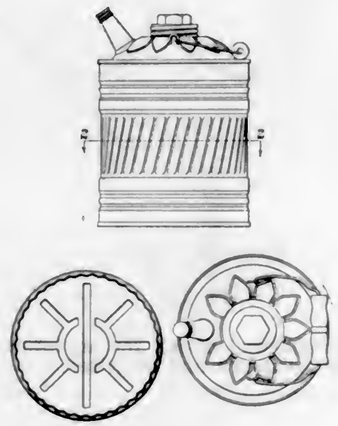
The ornamental design for a moth exterminator as shown.

94,006
DESIGN FOR A SHOE
Samuel Weinstat, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application October 18, 1934, Serial No. 53,671
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

94,007
DESIGN FOR A CONTAINER
Elmer C. Werner and Leo X. Burger, Delphos, Ohio, assignors to The New Delphos Manufacturing Company, Delphos, Ohio, a corporation of Ohio
Application October 1, 1934, Serial No. 53,452
Term of patent 7 years



The ornamental design for a container, substantially as shown and described.

94,008
DESIGN FOR A BOTTLE
Edward G. Westlake, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 53,378
Term of patent 3½ years



The ornamental design for a bottle as shown.

94,009
DESIGN FOR A BOTTLE
Edward G. Westlake, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 53,379
Term of patent 3½ years



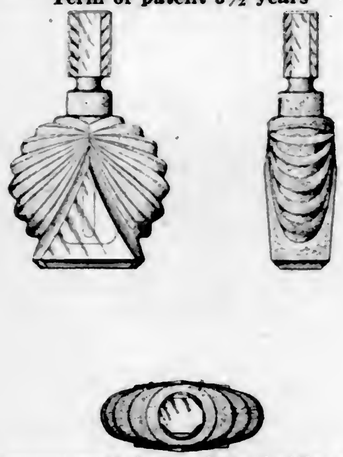
The ornamental design for a bottle as shown.

94,010
DESIGN FOR A BOTTLE
Edward G. Westlake, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 53,380
Term of patent 3½ years



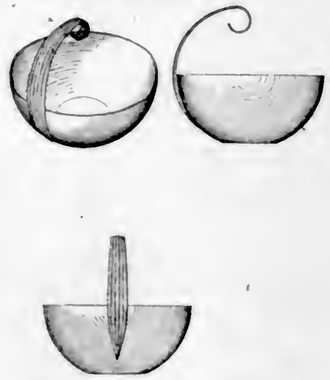
The ornamental design for a bottle as shown.

94,011
DESIGN FOR A BOTTLE
Edward G. Westlake, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 53,381
Term of patent 3½ years



The ornamental design for a bottle as shown.

94,012
DESIGN FOR AN ICE BOWL
Russel Wright, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application August 17, 1934, Serial No. 52,978
Term of patent 3½ years



The ornamental design for an ice bowl substantially as shown and described.

Patents Nos. 1,983,515 to 1,984,351

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December 11, 1934

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Designs	51—No.	94,013 to No.	94,063, inclusive.
Total	1,119		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,868,596, Egon Eichwald, Process of recovering sulphonic acids or their salts in a purified condition from impure sulphonation products, decided November 12, 1934, claim 8.

Pat. 1,895,772, R. H. Rosenberg, Equalized disk brake, decided November 9, 1934, claims 1, 2, and 15.

Pat. 1,959,186, H. C. Welter, Check writer, decided November 13, 1934, claims 7 and 8.

Notice

Claims Copied from Patent

The attention of applicants and attorneys prosecuting applications for patents is directed to the following new paragraph of rule 94, published in the OFFICIAL GAZETTE of November 13, 1934, page 265:

Where an applicant presents a claim copied or substantially copied from a patent, he must identify the patent, give the number of the patented claim, and specifically apply the terms of the copied claim to his own disclosure.

Failure to comply with the requirements of this paragraph of the rule, without a satisfactory explanation, may be cause for disciplinary action against the violator. Examiners are accordingly directed to call to the personal attention of the Commissioner any violations of this provision whenever discovered.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(D. C. Conn.) Thompson patent, No. 1,924,262, for safety razor blade, claims 1, 3, and 4 *Held* valid and infringed. *Gillette Safety Razor Co.* v. *Standard Safety Razor Corporation*, 8 F. Supp. 251.

Trade-Mark Registrations Canceled

144,701. Certain named soft drinks. J. Berthiaume & Co., Spencer, Mass. Registered July 19, 1921. Canceled November 12, 1934.

226,531. Malt and cereal beverages and malt tonic. Manitowoc Products Company, Manitowoc, Wis. Registered April 12, 1927. Canceled November 12, 1934.

240,990. Perfumes, toilet powders, and toilet waters. Barouh Hermanos, Habana, Cuba. Registered November 27, 1928. Canceled November 12, 1934.

255,313. Safety-razor blades. Phineus Waterman, doing business as Waterman's Ideal Safety Razor Blade, Calgary, Alberta, Canada. Registered April 16, 1929. Canceled November 12, 1934.

307,058. Certain named cosmetics. Herbert H. Harris, New York, N. Y. Registered October 10, 1933. Canceled November 12, 1934.

307,722. Column in a newspaper. Alva Blackburn Brewer, Washington, D. C. Registered October 31, 1933. Canceled November 12, 1934.

RULES
AMENDMENT

(ORDER NO. 3293)

U. S. PATENT OFFICE, *Washington, Nov. 30, 1934.*

Acting under the provisions of section 483 of the Revised Statutes (U. S. C., title 35, sec. 6), and with the approval of the Secretary of Commerce, Rule 109 of the Rules of Practice of this Office is amended as follows to become effective December 1, 1934:

By striking out in the second sentence of the second paragraph of the rule the word "ten" and inserting in lieu thereof the word "twenty".

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business November 24, 1934

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,166; Trade-Mark Division, 997. Oldest new case, July 5, 1934; oldest amended, June 25, 1934.

Room No	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 24	Sept. 14	362
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Sept. 5	Sept. 7	501
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 25	Aug. 24	610
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Sept. 24	Sept. 4	270
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Aug. 27	Aug. 27	482
4898 C	6. LEWERS, A. M., Carbon Chemistry	Aug. 11	Aug. 14	941
5725	7. JARBOE, C. G., Optics; Photography	Aug. 24	Aug. 24	743
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Sept. 11	Sept. 5	272
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 17	Sept. 19	386
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Aug. 25	Aug. 27	381
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 27	July 30	583
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	July 28	July 28	490
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 6	Sept. 6	367
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 15	Aug. 20	439
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 28	Aug. 28	751
5612	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 24	Aug. 24	506
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 3	Aug. 2	720
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 24	Sept. 22	306
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 28	Aug. 27	590
5613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Sept. 11	Sept. 24	217
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 10	Aug. 13	624
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Aug. 7	Aug. 10	827
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 7	July 7	494
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 12	Sept. 1	529
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 16	Aug. 20	614
5803	26. ADAMS, W. M., Electricity, Generation; Motive Power	Sept. 17	Sept. 15	282
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Aug. 24	Aug. 24	480
4628	28. BENSON, A. R., Internal-Combustion Engines	Aug. 13	Aug. 13	497
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	Aug. 24	Aug. 24	533
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 1	Aug. 24	575
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	July 26	July 30	863
4096	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Sept. 7	Sept. 12	329
6098	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	Aug. 3	Aug. 1	713
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	July 5	June 25	829
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Aug. 18	Aug. 20	639
7024	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Aug. 1	Aug. 3	471
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	July 25	July 27	649
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	Aug. 15	Aug. 17	440
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 28	Aug. 28	565
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 18	Aug. 18	831
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 4	Aug. 25	511
5882	42. CUTTING, H. O., Electric Signaling	Aug. 3	July 26	725
4886 B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	July 26	July 26	718
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	July 24	July 24	808
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Sept. 6	Sept. 7	385
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Sept. 10	Sept. 13	345
7600	47. BARKER, H., Clutches; Brakes	Aug. 29	Aug. 30	693
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 3	Aug. 4	496
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 7	July 28	630
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	July 25	July 25	795
5628	51. BACKUS, C. D., Radiant Energy	Sept. 7	Sept. 7	619
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	Aug. 29	Sept. 4	572
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 13	Sept. 14	459
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Aug. 14	Aug. 6	636
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Sept. 26	Sept. 26	300
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	July 28	July 20	806
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices	Sept. 14	Sept. 14	262
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 20	Aug. 24	343
4709	59. RICHARD, V. I., Chemistry; Fertilizers	July 18	July 18	655
5806	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Aug. 13	Aug. 15	512
6724	61. PARKS, O. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus	Sept. 12	Sept. 17	233
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Aug. 27	Aug. 27	568
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Aug. 8	Aug. 8	527
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	Aug. 24	Aug. 24	854
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 7	Aug. 7	501
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND. {Trade-Marks	Oct. 26	Nov. 9	737
	{Labels and Prints	Nov. 1	Nov. 9	260
2605	Designs, H. H. KALUPY (Act.)	Oct. 17	Nov. 12	512

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

OSGOOD *v.* RIDDERSTROM

No. 3,318. Decided June 12, 1934

[71 F.(2d) 191]

1. INTERFERENCE—PRIORITY.
Record reviewed and *Held* to establish that R. conceived the invention and reduced it to practice prior to any date to which O. is entitled.

2. SAME—SAME—ESTOPPEL.
Record reviewed and *Held* insufficient to establish that R., who was the first to reduce the invention to practice, had so concealed or suppressed his invention as to be estopped to claim a patent thereon.

APPEAL from the Patent Office. Affirmed.

Mr. Charles W. McDermott for Osgood.

Mr. George K. Woodworth and *Mr. William L. Edmonston* for Ridderstrom.

BLAND, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, in an interference proceeding, involving one count taken from Ridderstrom's patent, No. 1,794,204, issued February 24, 1931, the application for which was filed April 24, 1928, and an application of Osgood filed August 2, 1930, for the reissue of Patent No. 1,691,493, which patent was issued on November 13, 1928, on an application filed December 30, 1927.

The invention relates to machines for use in the manufacture of women's shoes to perform the combined operations of tape-applying and seam-pressing, the seam being the back-seam which joins a pair of shoe quarters. The count is a broad one and reads:

A tape-applying machine comprising in combination, a work-support provided with a peripheral groove, and means for applying a length of tape to the work placed on said support, and for pressing a portion of said work into said groove.

The decision of the Board affirmed that of the Examiner of Interferences. The Patent Office tribunals both held that Ridderstrom conceived the invention in December, 1925, and reduced it to practice in the early spring of 1926. Both dates being prior to any date claimed by Osgood, priority of the invention was awarded to Ridderstrom.

In this court appellant has urged the reversal of the decision of the Board for the following reasons:

First. That owing to the nature of the testimony, which appellant contents is contradictory and lacks proper corroboration with reference to Ridderstrom's conception, the early date of conception awarded Ridderstrom by the tribunals is unwarranted.

Second. That the Board erred in awarding Ridderstrom, for reduction to practice, a date early in the spring of 1926, whereas such reduction to practice was based on Exhibit 4, a machine which had not been properly tested and had not been operated so as to demonstrate the usefulness or praticability of the invention involved in the count.

Third. That the record with reference to Ridderstrom's activities after conception and the long period of time existing between his alleged reduction to practice and filing his application for a patent or making use of the invention shows that appellee's claimed reduction to practice amounted to nothing more than an abandoned experiment.

Fourth. That even if Ridderstrom reduced his invention to practice in the early spring of 1926, the record shows that nothing was done after said alleged reduction to practice between that time and April 24, 1928, when his application for patent was filed and that in the meantime the appellant had completed his invention; that there was as much a withholding of the invention from public use or a concealment of the same on Ridderstrom's part as there was in the case of *Gordon* v. *Wentworth*, 31 App. D. C. 150, 135 O. G. 1125, and that under said *Gordon* v. *Wentworth*, and *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, the appellee is estopped from claiming the invention in issue; that the element of "stimulation" or being "spurred into activity" is present in this case since it will be presumed, under the facts of record, that Ridderstrom had knowledge of Osgood's activities, citing *Whitney* v. *Brewer*, 1912 C. D. 127.

Before the Board, appellant further contended that the decision of the Examiner of Interferences should be reversed on account of estoppel, which appellant said grew out of Ridderstrom's failure to take certain action in some interference with reference to certain claims in an earlier Osgood patent. In this court appellant in his brief states as follows:

In deference to the views expressed by your Honors in *Severson* v. *Olson*, 64 F.(2d) 694, and *Nystrom et al.* v. *Mancuso*, 64 F.(2d) 698, appellant withdraws from consideration Nos. 9, 10 and 12 of his reasons for appeal, (Rec. 257 and 258). Appellant relies upon all the remaining errors set forth in his notice of appeal, (Rec. 256), as his reasons for reversing the decision of the Board of Appeals.

A consideration of all the assignments of error leads us to entertain some doubt as to just what questions appellant meant to withdraw from consideration. In view of the wording of appellant's said assignments 9, 10, and 12, we conclude that in this court he withdrew from consideration the question of estoppel alleged to have arisen on account of Ridderstrom's failure to take some action with reference to certain claims in the Osgood patent, and that it was not the intent of appellant to withdraw from consideration here the question of estoppel involved in the case of *Mason* v. *Hepburn*, supra.

[1] We are in complete accord with the decision of the Board of Appeals and while we do not regard it as necessary to review all the facts and circumstances which are well set out in its decision, we regard it as important to discuss with reasonable brevity the four above enumerated questions presented in the very exhaustive brief of appellant.

1. Appellee's conception in December, 1925, is based upon a drawing which, according to the testimony of Ridderstrom and Demaso, the draftsman, was completed in December, 1925. Said drawing, Exhibit 1, clearly disclosed the invention in issue. The peripheral groove called for by the count is clearly shown on the drawing in the form of two lines marked

"*g—g*". The record is not clear as to just who put these lines on the drawing—whether it was Demaso or Ridderstrom. Appellant urges that the doubtful character of the record on this subject renders it unsatisfactory as proof of conception on the date claimed, and that the Board erred in holding, in substance, that it did not make any difference who put the lines showing the peripheral groove on the drawing, if, in fact, they were on the drawing on the date claimed.

We agree with the conclusion of the Board in this regard and think the record abundantly supports the conclusion that the drawing made under Ridderstrom's direction was completed on December 10, 1925, and, when completed, contained the said lines "*g—g*" representing the peripheral groove, and also showed the other elements of the invention defined in the count at bar.

2. Ridderstrom relies upon Exhibit 4 and the testimony as to its being tested and operated as proof of reduction to practice in the early spring of 1926. Exhibit 4 is a tape-applying machine from which projects, as a portion of the same, the so-called work-support which includes two rollers, one on top of the other, which turn in opposite directions and between which the seam to be pressed and taped is passed. The seam is pressed into a peripheral groove in the lower roller. There is no serious contention in this case but what the count in issue reads upon Exhibit 4. The record shows that this machine was operated in the early spring of 1926. Appellant contends, in substance, that the operation was not proven to be a success. Appellee relies upon the testimony of Ridderstrom, as corroborated by McAuliffe, sales manager for the Rotary Company, for whom Ridderstrom worked, for proof of successful operation of the machine at the time in question. McAuliffe stated in answer to a question:

When machines of the type of Exhibit 4 were used for a back seam machine, the lower roll contains a groove. Also a comb. During the operation the cut-off was not used. The shoes were run through the machine one after the other and then were cut apart by the operator, using a pair of scissors.

The Board said that this answer indicated that during the test a cut-off was not used and that a comb was or should have been used. In answer to a question, McAuliffe testified that a comb is desirable on a back-seam pressing machine. He also stated in another answer that it is possible to tape a back-seam without a comb. The Board said that the testimony indicated to it that back-seam taping may be done without the comb, but that a comb is desirable, and that the testimony concerning the test of Exhibit 4 at the Harney Shoe Company shop, where the exhibit was taken for testing, shows that the machine must have been an operative structure since McAuliffe said that in his judgment the test was all right. The Board said:

• • • It is noted that the count in issue does not call for a comb specifically. This witness, McAuliffe, was a sales manager for the Rotary Company and it would appear that he must be capable of understanding the machines which he handled and of having judgment as to whether that type of work was all right.

Appellant argues at great length that there are contradictions in the testimony, between McAuliffe and Ridderstrom, as to how the grooved roll got over to the Harney shop where it was tested, and at Ridderstrom's and McAuliffe's statements concerning the tests made were conclusions, and for that reason not sufficient to show a proper test, and that McAuliffe's corroborating testimony of the subject of the test is unsatisfactory inasmuch as the only statement he made with reference to how the machine operated was "As far as the back seam was concerned, it was all right."

The Board found that there was no contradiction in the testimony of the two witnesses which could not be reconciled, and said:

We fail to find any necessary contradiction here that cannot be reconciled with the related circumstances. It is noted as to many of the alleged contradictions called to attention by appellant that this type of machine was subject to being changed from a so-called side-taping machine to a back seam taping machine by merely changing certain attachments and that many of the answers to questions were made with the one or the other form of the machine in mind by the witnesses and that misunderstandings as to the form of the machine asked about led to answers which had to be qualified or explained to conform to the intended meaning of the questions. Demaso was asked on cross examination if the machine as it stands is a taping or combined taping and pressing machine and he answered that it was a back seam tape lying machine. Later he was asked why he said that and then when he undertook to operate the machine he first removed a guide which was on the machine. He said that it should have been made clear at the time that the guide in reality should be taken off.

We do not find that this explanation affords sufficient evidence to show that the witness was falsifying but rather as he stated at the end of his answer to the question R. X. Q. 129, "Not being familiar with these machines today it is hard for me to remember all of the parts." While Demaso was not able to produce a product as shown in Exhibit 5 which was satisfactory to Osgood's expert, Ordway, Demaso explained, R. X. Q. 143, "I mean by that that if I were sitting down running the machine, I could hold that shoe and it would run perfectly even with the groove." Then in answer to re-cross examination Q. 144, "I put the shoe in and zig-zagged its course. I therefore was not able to get it perfectly even."

It is unnecessary for this court to quote the evidence referred to by the Board or to indulge in an extended discussion of the same. To do so, in view of the fact that we agree with the conclusion and the reasons of the Board, would be merely to repeat here what was said in the decision we are reviewing. We hold that the record shows that Ridderstrom had completely reduced his invention to practice in the early spring of 1926, as found by the Board and the Examiner of Interferences.

Appellant very strongly urges that it is incredible to conclude that Ridderstrom reduced the invention to practice in the construction and operation of Exhibit 4, since, if he had done so, he was entitled to copy claims from an earlier Osgood patent, not involved here, and contest there the priority of invention of the subject matter of certain claims; that Ridderstrom has not satisfactorily shown his reasons for not doing so.

The record shows that Ridderstrom did consider the claims, and he explains his failure to file his application and copy a broad claim in the patent by stating that he received legal advice that the claim of that patent which he might have copied was void. The Board passed upon this last stated contention of appellant as follows:

Appellant also argues that Ridderstrom having by his conduct in the Patent Office conceded that Osgood is the first and true inventor of the generic combined tape-applying and seam-pressing machine disclosed in the Osgood patent No. 1,646,212, cannot in the present interference impeach the said Osgood patent collaterally by proving that Ridderstrom conceived or reduced to practice the subject matter of the said patent prior to June 7, 1926, which is the effective filing date of said patent. Ridderstrom in his testimony stated in effect that he did not copy the broader claim of the Osgood patent for the reason that it was considered void in view of certain prior art called to attention. It has not been argued by appellant that June 7, 1926, the filing date of his prior patent, was the date of the invention involved therein. There has been no interference and there is now no interference involved before us upon this claim of the prior patent, and it is not conclusive that a date prior to June 7, 1926, would necessarily be earlier than Osgood's date of invention. Therefore it is not apparent to us that proof offered here as to the count in issue prior to the filing date of appellant's prior patent necessarily precedes the date of said invention in said patent.

The Board and the Examiner of Interferences have both passed upon the facts in this case relating to the dates of conception and reduction to practice and arrived at the same conclusion for substantially the same reasons. This places a strong burden upon appellant, which, in his brief, he acknowledges and states that he assumes.

In *Jardine* v. *Long*, 19 C. C. P. A. (Patents) 1243, 58 F.(2d) 836, 423 O. G. 933, this court said:

It is also realized, we are sure, that where it appears that the tribunals originally hearing the case made a careful and painstaking scrutiny of the evidence, and that the intermediate appellate tribunal examined and independently weighed the same testimony, with the result that both reached the same conclusion, for the same reasons, then the burden of one appealing to convince us of error in their decisions is very great.

This court has often said that where the tribunals of the Patent Office have concurred upon findings of fact, this court will accept such findings unless the same are manifestly wrong. *Bennett* v. *Fitzgerald*, 18 C. C. P. A. (Patents) 1201, 48 F.(2d) 917, 410 O. G. 1063. We are of the opinion that the tribunals below reached the right conclusion in their findings of fact.

3. Having held that appellant had completed his invention and reduced it to practice in the early spring of 1926, appellant's contention that Ridderstrom's subsequent acts prompt the conclusion that what Ridderstrom did in the way of reducing the invention to practice amounted only to an abandoned experiment is without merit. *Hedenskoog* v. *Backus*, 18 C. C. P. A. (Patents) 1065, 48 F.(2d) 408, 409 O. G. 290. The subsequent acts of Ridderstrom, in our view, have no relevancy to his reduction to practice, but are pertinent and proper for consideration in determining whether there was any suppression, concealment or other conduct which makes applicable the so-called estoppel doctrine announced in *Mason* v. *Hepburn*, supra. *Severson* v. *Olson*, 20 C. C. P. A. (Patents) 946, 64 F.(2d) 694, 434 O. G. 253.

[2] 4. Appellant urges that the facts in this case warrant the application of the doctrine announced in *Mason* v. *Hepburn*, supra, and his contentions in respect thereto have been heretofore stated. Appellant, recognizing the importance of the element of "stimulation" or being "spurred into activity" by the acts of the rival inventor, as an important element for consideration in determining the applicability of the doctrine in *Mason* v. *Hepburn*, contends that we must presume that Ridderstrom had knowledge of Osgood's patent and that since there was a period of nearly two years between the reduction to practice and the filing date, he must be held to have concealed and suppressed the invention.

We agree with the Board that the facts in this case do not warrant the application of the doctrine of the *Mason* v. *Hepburn* case. There is no showing in the record before us of concealment or suppression. On the contrary, appellant was manufacturing and selling machines which involve the invention of the count here under consideration before his application was filed. The delay is also explained in the record by the showing that Ridderstrom worked on certain other features of his device and that, when these had been tested, he filed application for the entire machine. It must be remembered that the question of diligence is not involved. Moreover, it is not clear to us that Ridderstrom's Patent Office activities were prompted by any knowledge of anything being done by the appellant. Nothing in this record which is presented here for our consideration justifies the application of the doctrine of estoppel, or any doctrine akin to estoppel, which would deny Ridderstrom the right to claim or receive a patent for the subject matter involved in this interference proceeding. For a full discussion of the doctrine of *Mason* v. *Hepburn*, supra, see the following cases: *Miller* v. *Hayman*, 18 C. C. P. A. (Patents) 848, 46 F.(2d) 188, 405 O. G. 549; *Severson* v. *Olson*, supra.

Since we find no error in the decision of the Board of Appeals affirming the decision of the Examiner of Interferences, awarding priority of invention of the subject matter of the count in issue to Ridderstrom, its decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE OPPENHEIM

No. 3,301. Decided June 12, 1934

[71 F.(2d) 188]

PATENTABILITY—APPARATUS FOR CRACKING HEAVY OILS.

Certain claims for an apparatus for cracking heavy oils *Held* patentable over the prior art.

APPEAL from the Patent Office. Modified.

Messrs. Bailey & Larson and *Mr. R. B. Larson* for Oppenheim.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

There are involved here nine apparatus claims, being all the claims, of an application entitled "Apparatus for catalyzing oils." The Board of Appeals of the United States Patent Office affirmed the decision of the Examiner rejecting the claims as unpatentable in view of the prior art, and the applicant appeals to this court.

Claims 24 and 32 are selected by appellant's counsel as representative:

24. An apparatus for chemically modifying heavy oils and thereby rendering the same available for use in explosion and internal combustion motors, including the combination, with a container arranged to interconnect the carbureter and the intake of the motor, of a catalyst in the form of a mass of activated carbon disposed within said container, which activated carbon is maintained at a temperature above 200° C., which is preferably about

350° C., and adapted to be freely traversed by said heavy oils.

32. An apparatus for cracking heavy oils and thereby rendering the same available for use in explosion and internal combustion motors, including the combination, with a container arranged to interconnect the carbureter and the intake of the motor, of a catalyst in the form of a mass of activated carbon disposed within said container and pierced by a plurality of channels adapting said carbon catalyst to be freely traversed by said heavy oils, said channels being generally oblique to the axis of said container to prolong the contact of said heavy oils with the walls of said channels and further promote chemical decomposition of said heavy oils, and heating means arranged in heat conductive contact with said carbon catalyst in order to maintain the same at the cracking temperature of said heavy oils, namely, above 200° C.

The references are: Sutcliffe (British), 177,552, March 22, 1922; Auld (British), 208,569, December 20, 1923; Lyonnaise (French), 488,411, October 8, 1918.

The structure disclosed by appellant is one having a casing with tubes for connection to the carbureter and admission pipe of an internal combustion motor. Within the casing is a block of activated wood charcoal having passages therethrough. This element constitutes the catalytic agent. A double jacket is provided for circulation of hot fluid.

The brief for appellant states:

The invention disclosed in this application consists in an apparatus which may be inserted in the fuel feed line or intake manifold of an internal combustion engine for the purpose of permitting the use of the heavier petroleum oils as fuel in the operation of such an engine.

In a supplemental brief it is said:

The applicant's device • • • is not the type of device which is used on Diesel engines but is adapted to be attached to the usual internal combustion engine of the type such as used for tractors.

The patent to Sutcliffe (a British patent), which is the principal reference relied upon is entitled "Improvements relating to carbureters, vaporizers and the like." It discloses a structure having a casing between the carbureter and the induction pipe of an internal combustion engine, within which casing there is an activated carbonaceous material, described as "activated charcoal," held between screens. A coil or pipe is provided through which, the specification says,

a heating medium such as part of the exhaust gases or heated water may be passed • • •.

The other references are process patents having to do in part with temperatures, and seem to have been cited principally because of the statement as to temperatures contained in certain of the claims of appellant.

The tribunals of the Patent Office agree in holding that structurally Sutcliffe constitutes a complete anticipation of appellant's device, and the Board expressed the opinion that no invention was involved in modifying the operation of the Sutcliffe patent in the manner suggested by the process patents of Auld and Lyonnaise.

Much of appellant's original brief and of his supplemental statement, filed by permission of the court, embraces argument which is scarcely pertinent to the actual issue which we must determine. We are not concerned here with the process or operation of the device, but solely with its structure, and we are unable to see wherein the temperature features of the claims may properly be held to have a bearing upon the question of patentability.

However, confining ourselves strictly to the matter of structure we have compared the disclosures of Sutcliffe and appellant, and conclude that certain differences are apparent.

Certain of the claims of appellant have a limitation, expressed in language having the same meaning as that in claim 32, supra, setting forth that the catalyst—the activated charcoal—is—

pierced by a plurality of channels adapting said carbon catalyst to be freely transversed by said heavy oils, said channels being generally oblique to the axis of said container to prolong the contact of said heavy oils with the walls of said channels • • •.

There is no question but that appellant's disclosure supports this limitation. The internal passages are shown in Figure 2 of the drawings. Since it is recited that the heavy oils contact with the walls of the channels, we assume the passages are formed in the catalyst material itself.

Sutcliffe refers to his device as a filter into which he imbeds a pipe or pipes—

through which a heating medium such as the exhaust gases from an internal combustion engine, or hot water, may be caused to pass to maintain the activated and absorbent substance at a determined elevated temperature • • •.

These pipes seem to constitute in Sutcliffe means for passing heating elements to vaporize any liquids arrested in their passage through his filter. The channels of appellant, on the other hand, act as passages for the heavy oils while they are being vaporized.

So far as we are able to determine from the Sutcliffe disclosure, his structure is such as that the oils pass through his "activated charcoal" as through a filter, while appellant provides channels for their passage.

In the case of *Bloom* v. *Locke et al.*, 21 C. C. P. A. (Patents) ——, 69 F.(2d) 113, 444 O. G. 757, this court had occasion to consider and pass upon an issue involving the proper construction of the word "orifice." We there held, in effect, that the interstices present in a piece of fabric may not be called orifices as the term was used in the count there involved.

In the instant case, it being shown that appellant's oils pass through channels arranged in the catalyst for that purpose, while Sutcliffe's oils apparently simply filter through the pores or interstices of his catalyst, we think appellant may fairly be held to show a structure designedly different from the structure of the reference. So far as is disclosed by anything in the record this is new, and the result which is obtained by the arrangement, we feel, justifies holding it inventive.

Accordingly, we hold that such claims as clearly state the described limitation should be allowed. These are Nos. 25, 28, 29, 30, 31 and 32.

The decision of the Board of Appeals is modified, being reversed as to claims Nos. 25, 28, 29, 30, 31, and 32, and affirmed as to claims Nos. 24, 26 and 27.

Modified.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

IN RE BOWLES

No. 3,307. Decided June 12, 1934

[71 F.(2d) 202]

PATENTABILITY—SOUND-WAVE DETECTING INSTRUMENT, Claims for a sound-wave detecting instrument *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. David Rines for Bowles.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

The title of the application for patent here involved is "Acoustic-electric-energy converter." The specification says that the alleged invention—

though having fields of more general usefulness, is more particularly related to devices for converting or translating acoustic into electric energy.

Certain claims stand allowed. Others numbered 1, 2, 8, 9, and 11 were rejected by the Examiner of the United States Patent Office whose decision was affirmed by the Board of Appeals. Following the Board's decision appellant sought and obtained permission to amend, for purposes of appeal, by substituting for the disallowed claims two others, numbered respectively 12 and 13, which the Board held to be directed to the same subject matter as those first rejected. Upon the formal rejection of these two latter claims by the Board, the instant appeal to this court was taken.

All the disallowed claims—both the old and the new—seem to be technically embraced in the appeal. We assume that this course was followed as a matter of precaution. At the hearing appellant formally requested dismissal of the original disallowed claims and the consideration of those substituted as described. Since the latter received consideration by the Patent Office in due and proper statutory form, they are properly before us, and the motion of appellant is allowed.

The claims in dispute read as follows:

12. A sound-wave detecting instrument having, in combination, a device comprising a membrane that is capable of vibrating in a sound field and the weight and the dimension of which are such that the membrane shall follow faithfully, during its vibrations in the said field, the instantaneous sound variations of the said field without substantial alteration of the said variations from what the said variations would have been in the absence of the said device, and means controlled by the vibrations of the membrane for detecting the vibrations of the membrane.

13. A sound-wave detecting instrument having, in combination, a device comprising a membrane that is capable of vibrating in a sound field and the weight and the dimention of which are such that the membrane shall follow faithfully, during its vibrations in the said field, the instantaneous sound variations of the said field without substantial alteration of the said variations from what the said variations would have been in the absence of the said device, means for projecting energy rays in a direction at an angle to the vibratory path of the membrane, whereby the energy rays will be intercepted variably in accordance with the position of the membrane in its vibratory path, and means controlled by the position of the membrane in its vibratory path for detecting the vibrations of the membrane.

The examiner cited the following five references: Thomson-Houston Co. (British), 241,153 of 1925; Graham et al. (British), 271,125 of 1927; Telefunken Ges. (Germany), 444,673 of 1927; Snook, 1,681,376, August 21, 1928; De Forest, 1,726,289, August 27, 1929.

The Board of Appeals referred specifically to only Graham et al. and De Forest, the subject matter of claim 12 being rejected by it upon Graham et al., and the subject matter of claim 13 upon Graham et al. taken in connection with De Forest. However, the other references were not overruled by the Board and so they remain as references which we may consider. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 423 O. G. 223.

It is proper to say that the allowed claims comprise a group embracing a limitation to the use of an occulting vane, and it was solely on account of this limitation that they were allowed. Appellant, therefore, insists that he is not broadly protected as to the device which he claims to have invented, and such protection is sought in the appealed claims.

The Graham et al. patent (British) relates to telephone receivers. It includes a "movable sound producing electrode in the form of a membrane or diaphragm" (described in the specification as "exceedingly light in character"), arranged for free vibration between two fixed electrodes which "may be formed as metal gauze screens." In one of the drawings of this patent a movable electrode is shown connected at its circumference to the central portion of a flexibly suspended ring "which may be made of great or small width and of metal."

The De Forest patent is entitled "Diffraction microphone", and is stated to relate—

broadly to microphone construction whereby sound waves are converted into electrical current variations.

One of the figures of its drawings disclosed a diaphragm, the vibrations of which, the Solicitor for the Patent Office avers, may be detected by its variation in the light received upon a photo electric cell from a lamp. Appellant questions the correctness of the construction of this feature of the De Forest patent by the Patent Office tribunals, and this matter will receive later attention.

This patent was apparently cited only as a reference with respect to appellant's projection of "energy rays" as described in claim 13, supra, or, to use the designation of his brief, "appellant's specific recording mechanism." The De Forest patent is conceded by appellant to be in the "sound-detecting" field.

The other references have to do with the utilization of variations in an energy beam to detect the motion of a diaphragm and require no detailed analysis.

Appellant lays greatest stress, particularly in his supplemental brief, filed by permission of the court after the oral argument, upon claim 12.

He insists that the device of Graham et al. is what is commonly referred to as a "loud-speaker"; that it is not a sound detecting, or sound measuring device, but a sound reproducing device, whose function and purpose is entirely different from the function and purpose of his own device.

In oral argument before this court appellant's counsel used the "flared horn" element of a loud speaker, modeled upon one of the figures of the Graham et al. drawings, and sought to illustrate to the court how appellant's device would operate to measure or detect the sound reproduced by the

Graham et al. device, in the sound field lying within the circumference of the flared horn.

We are quite convinced that Graham et al. and appellant have different general purposes in view, but the question is whether appellant has, by his claims as drawn, succeeded in so defining his structure, as a structure (both claims being apparatus claims), that the Graham et al. patent does not in terms anticipate it.

The critical feature of appellant's device, it seems to us, lies in the delicate membrane which he uses. The particular one displayed during argument of the case was less than an inch in diameter and so thin as to be scarcely visible except when brought relatively near the observer. It was, of course, explained that different sound fields would require different sizes of membranes, but, as we understand it, in the practical use of the instrument, whatever may be the diameter of the membrane, assuming it to be circular in shape, or whatever its dimensions if otherwise shaped, it must always be exceedingly thin, and of a lightness which renders its weight negligible as compared with anything to which weight is customarily ascribed.

In certain of the original disallowed claims the membrane was referred to as being "substantially weightless," and the specification so describes it, explaining the necessity for lightness by saying:

> Indeed, if the membrane could be made ideally weightless, it would move exactly in unison with the surrounding air, and would exactly follow the vibrations of the air particles during the transmission of a compressional wave. Its own identity would then be lost in the operation, and it would introduce no discontinuity in the path of the compressional wave. This ideal arrangement can be approached, in practice, by making the membrane sufficiently weight-less.

The principal opinions of the tribunals of the Patent Office were written upon the claims as originally phrased, and evidently it was not thought by them that the phrase "substantially weightless" distinguished appellant's membrane from the "exceedingly light" membrane of Graham et al., and we are unable to hold that their conclusions in that respect are erroneous.

Furthermore, we are unable to find in the language of the claims as now phrased any clarity or definiteness of description respecting the membrane which renders it possible to distinguish over Graham et al.

It is argued that the language is clear to those skilled in the art. This may be true, but we have also to consider whether it is clear enough to distinguish from the prior art. We are unable to find that it does.

There remains to be considered the limitation in claim 13, respecting the so-called "recording mechanism" of which the De Forest patent was held anticipatory.

We have carefully considered appellant's arguments to the effect that the Board of Appeals misunderstood or misconstrued the De Forest disclosure. This is a matter upon which we hesitate to place our judgment against that of the experts of the Patent Office, but, assuming, without holding, that, in some particulars, there may have been error in the conclusion as to operation of the De Forest device, we are unable to discern wherein there was error in the specific application made of the patent.

The appeal as to claims numbered 1, 2, 8, 9, and 11 is dismissed, and the decision of the Board of Appeals as to claims numbered 12 and 13 is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,825,598, H. Gogt et al., Process for producing combined sound and picture films, filed Oct. 17, 1934, D. C., E. D. N. Y., Doc. E 7400, *American Tri-Ergon Corp. v. Warner Bros. Pictures, Inc.* Same, D. C., S. D. N. Y., Doc. E 79/66, *American Tri-Ergon Corp. v. Columbia Pictures Corp.* Doc. E 79/67, *American Tri-Ergon Corp. v. Consolidated Film Industries, Inc.* Dismissed without prejudice (notice Nov. 5, 1934). Doc. E 79/68, *American Tri-Ergon Corp. v. First Division Pictures Inc.* Doc. E 79/69, *American Tri-Ergon Corp. v. Metro-Goldwyn-Mayer Corp. et al.* Doc. E 79/70, *American Tri-Ergon Corp. v. Universal Pictures Corp.* Same, filed Oct. 18, 1934, D. C., S. D. N. Y., Doc. E 79/72, *American-Tri-Ergon Corp. v. Consolidated* (notice Nov. 5, 1934). Doc. E 79/68, *American Tri-Ergon Corp. v. Twentieth Century Pictures, Inc.* Doc. E 79/77, *American Tri-Ergon Corp. v. Ameranglo Corp.* Doc. E 79/78, *American Tri-Ergon Corp. v. Monogram Pictures Corp.* Doc. E 79/79, *American Tri-Ergon Corp. v. Reliance Pictures, Inc.* Doc. E 79/80, *American Tri-Ergon Corp. v. Talking Pictures Epics, Inc.* Same, filed Oct. 23, 1934, *Pictures, Inc.* Doc. E 79/80, *American Tri-Ergon Corp. v. Producers Laboratories, Inc.* Doc. E 79/99, *American Tri-Ergon Corp. v. Malcolm Laboratories Corp.* Doc. E 79/100, *American Tri-Ergon Corp. v. H. E. R. Laboratories, Inc.* Doc. E 79/101, *American Tri-Ergon Corp. v. Filmlab, Inc.* Doc. E 79/102. *American Tri-Ergon Corp. v. Cinelab, Inc.* Doc. E 79/103. *American Tri-Ergon Corp. v. Du-Art Film Laboratories, Inc.*

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1,848,468, A. H. Emery, jr., Machine for testing the strength of materials, filed Oct. 17, 1934, D. C., E. D. Pa., Doc. 8359, *Baldwin-Southwark Corp. v. Tinius Olsen Testing Machine Co. et al.*

1,852,288, 1,886,157, Brauer & Wagner, Process and apparatus for forming the heel end of a sole, C. C. A., 8th Cir. (St. Louis), Doc. 9834, *B. & W. Shoe Machinery Co. et al. v. Multiple Boring Machine Co. et al.* Decree affirmed Oct. 8, 1934.

1,862,387. (See 1,588,429.) 1,867,314. (See 1,867,405).

1,867,405, I. Gurwick, Intaglio printing; 1,867,314, same, Method for multicolor printing on transparent cellulose paper and product resulting from the same, filed Oct. 19, 1934, D. C. Conn. (New Haven), Doc. E 2397, *Shellmar Products Co. v. The Celluprint Corp. of America, Inc.*

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1,901,399, C. E. Lyman, jr., Sight, filed Oct. 18, 1934, D. C. Colo. (Denver), Doc. 10382. *The Lyman Gun Sight Corp. v. The Redfield Gun Sight Corp.*

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1,936,044, J. F. Walsh, Laminated product and method of producing same, filed Oct. 23, 1934, D. C., N. D. Ohio, W. Div., Doc. E 1442. *Celluloid Corp. v. Libby-Owens-Ford Glass Co.*

1,945,734, H. R. Cullmer, Door lock and framing, filed Oct. 18, 1934, D. C., E. D. N. Y., Doc. E 7401, *H. R. Cullmer v. Erica Holding Co., Inc.* Doc. E 7402, *H. R. Cullmer v. Galway Realty Co., Inc.* Doc. E 7403, *H. R. Cullmer v. J. Warshower.*

1,948,280. (See 1,916,586.)

1,950,279, A. E. Van Wirt, Process of producing a water-repellant coating on paper or similar material, D. C. Del., Doc. E 1006, *Imperial Paper & Color Corp. v. United Wall Paper Factories, Inc.* Consent decree holding patent valid and infringed Oct. 9 1934.

1,965,152, C. Murray, Corsage holder, filed Oct. 18, 1934, D. C., E. D. N. Y., Doc. E 7404, *Cromur, Inc., v. Abraham & Straus, Inc.*

Re. 15,140. (See 1,247,540 (*a*) and (*b*).)

Re. 15,349. (See 1,509,365.) Re. 17,528. (See Re. 18,100.)

Re. 17,667. (See Re. 18,100.) Re. 17,779. (See 1,310,372.)

Re. 18,100 (of Re. 17,667, Re. 17,528, and 1,702,878), Mersfelder & Balze, Clean out plug, filed Oct. 24, 1934, D. C., S. D. N. Y., Doc. E 79/106, *M. & B. Mfg. Co., Inc., v. Peerless Trading Co., Inc.*

Re. 18,579. (See 1,251,377.)

Des. 89,888, O. W. Githens, Camera, filed Oct. 16, 1934, D. C., E. D. N. Y., Doc. E 7398, *Universal Camera Corp. v. Camera Corner, Inc., et al.*

Des. 91,468, D. J. O'Connell, et al., Store front, filed July 30, 1934, D. C., N. D. Ill., E. Div., Doc. 14010, *O'Connell's, Inc., v. R. M. Thayer et al.*

Des. 93,229, I. Krasnz, Blouse, filed Oct. 22 1934, D. C., S. D. N. Y., Doc. E 79/83, *I. Krounz (Simplex Blouse Co.) v. Roco Sportswear, Inc.*

Des. 93,502, O. Nathanson, Ensemble dress, filed Oct. 15, 1934, D. C., S. D. N. Y., Doc. E 79/62, *O. Nathanson (Nathanson Dress Co.) v. Tre-Jur Dresses, Inc.*

T. M. 75,658, The Amies Asphalt Co., Paving composition, C. C. A., 3d Cir., Doc. 4937 and 4938. *Amiesite Asphalt Co. of America v. The Interstate Amiesite Co.* Doc. 5415, *Amiesite Asphalt Co. of America v. The Interstate Amiesite Co.* Decree affirmed Sept. 19. 1934, in each of above cases.

T. M. 108,852, Buick Motor Co., Motor vehicle, filed July 5, 1934, D. C., N. D. Ill., E. Div., Doc. 13974, *General Motors Corp. v. L. M. Anderson et al. (Southway Buick Service).*

T. M. 162,305, Mattingly & Moore Distillery Co., Whiskey, filed Aug. 31, 1934, D. C. N. D. Ill., E. Div., Doc. 14059, *Frankfort Distilleries, Inc., v. H. Schmidt (Otto Schmidt Wine Co.).*

T. M. 258,289, A C Spark Plug Co., Fuel pumps for supplying fuel to internal combustion engines and parts of such devices, and oil and gasoline filters; T. M. 310,672, same, Accessory devices used with internal combustion engines. D. C., N. D. Ill., E. Div., Doc. 13914, *A C Spark Plug Co. v. B. H. Straube et al. (Oil Filter Renewal Co.).* Consent decree holding trade-marks valid June 26, 1934. Doc. 13915, *A C Spark Plug Co. v. Leterstone Sales Co., Inc.* Decree as above.

T. M. 299,838, A. C. Hill, Bread, rolls, cakes, etc., D. C., E. D. Ark. (Little Rock), Doc. E 2600, *A. C. Hill et al. v. H. Wilson et al.* Dismissed without prejudice Aug. 29, 1934.

T. M. 310,672. (See T. M. 258,289.)

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 11, 1934

[VOL. 449. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 349,374. MODERN LEATHERS, INC., Philadelphia, Pa. Filed Mar. 31, 1934.



No claim is made to the word "Modern" apart from the mark shown.

For Prepared Leather in the Piece.

Claims use since Feb. 1, 1934.

Ser. No. 357,053. MAY DEPARTMENT STORES COMPANY, New York, N. Y. Filed Oct. 12, 1934.

MAYCO

For Grass Seed.

Claims use since October, 1929.

Ser. No. 357,831. NORTH WESTERN FUEL COMPANY, St. Paul, Minn. Filed Nov. 2, 1934.

Pine-O

For Coal.

Claims use since Oct. 23, 1934.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 357,791. WILT TRUNK COMPANY, Chicago, Ill. Filed Nov. 1. 1934.



Applicant disclaims the words "Wiltshire" and "Rawhide" apart from the mark as shown.

For Suitcases and Traveling Bags Made of Leather.

Claims use since Oct. 17, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 303,799. P. BEIERSDORF & CO. INC., New York, N. Y. Filed July 25, 1930.

NIVEA

For Soap.

Claims use since July 16, 1930.

Ser. No. 352,559. UNITED NECESSITIES CORPORATION, Bartlesville, Okla. Filed June 11, 1934.



For Cleaning and Polishing Preparation for Glassware, Windshields, Silver, Chromium, Porcelain, and Other Hard Surfaces.

Claims use since Mar. 6, 1934.

Ser. No. 354,967. WALTER E. WILSON, doing business as Wilson Chemical Company, Rye, N. H. Filed Aug. 13, 1934.

PRONTO

For Grease Detergent and Solvent Cleaning Compound for Removing Grease and for Cleaning Metal Ware and Aluminum Ware and Kitchen Utensils, and for Cleaning and Polishing Furniture and Automobiles, and as a Metal Polish.
Claims use since July 1, 1932.

Ser. No. 357,056. NOSTANE PRODUCTS CORPORATION, doing business as Dr. Browns Laboratories, Brooklyn, N. Y. Filed Oct. 12, 1934.

DABON

For Brushless Shaving Cream.
Claims use since Jan. 1, 1932.

Ser. No. 357,359. DUDLEY B. WADE, Jr., Lagrange, Ga. Filed Oct. 20, 1934.

Rather Lather

The word "Lather" is disclaimed apart from the mark.
For Shaving Cream and Soap.
Claims use since Nov. 22, 1933.

Ser. No. 357,716. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Oct. 31, 1934.

COLGATE

Applicant is the owner of registration No. 230,252. The drawing is lined for blue.
For Shaving Cream.
Claims use since Aug. 24, 1934.

CLASS 5

Adhesives

Ser. No. 357,753. SWIFT AND COMPANY, Chicago, Ill. Filed Oct. 31, 1934.

UNYTO

For Glue.
Claims use since Oct. 2, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 331,355. ADAH ALBERTY, Hollywood, Calif. Filed Oct. 15, 1932.

CHENO

For Herb Tea and Tablets for Reducing.
Claims use since Apr. 13, 1932.

Ser. No. 342,335. J. R. BRUNDAGE, INC., New York, N. Y. Filed Oct. 11, 1933.

TRIPLE MINT

Applicant disclaims the words "Triple-Mint" apart from the mark as shown.
For Tooth Paste.
Claims use since Aug. 28, 1933.

Ser. No. 348,237. MCKAY COMPANY, New York, N. Y. Filed Mar. 6, 1934.

Jack Frost

For Chemical Compound for Etching Glass.
Claims use since Sept. 1, 1930.

Ser. No. 349,217. A. P. BABCOCK CO., New York, N. Y., and Rutherford, N. J. Filed Mar. 28, 1934.

Ann Hathaway *English*

Applicant disclaims the word "English" apart from the mark.
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches; Skin Whitener in Liquid, Cream, and Solid Form; Face Packs, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Hand Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powder; Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows; Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Nail Powders, Nail Creams, Nail Polishes Nail Bleaches, Witch Hazel Salves, Depilatories, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Mar. 22, 1934.

Ser. No. 349,755. EDNA B. TURNER, doing business as Turner Products Company, Windsor, Mo. Filed Apr. 9, 1934.

REMOVALL

The word "Removall" is disclaimed apart from the mark shown.
For Dandruff Remover.
Claims use since June 26, 1933.

Ser. No. 349,917. ERNEST LOUIS ANTOINE JAMMES, doing business as Laboratoires Jammes, Paris, France. Filed Apr. 13, 1934.

Cacodyline C. JAMMES

For Ampoules Containing Cacodylate of Soda Used for the Treatment of Syphilis, Thrush, Ademitis, Rickets, Disorders of the Skin, Bone Tuberculosis, Neurasthenia, Paludism, Tropical Fevers, Malaria, Anemias, Pyemias, Septicemias.
Claims use since July 2, 1919.

Ser. No. 349,918. ERNEST LOUIS ANTOINE JAMMES, doing business as Laboratoires Jammes, Paris, France. Filed Apr. 13, 1934.

IODINJECTOL

For Organic Combination of Iodine, Urotropine and Sodium Benzoate, Used by Intramuscular Injection for All Conditions Requiring Iodine Medication.
Claims use since June 10, 1920.

Ser. No. 352,251. HARRY KRANZBERG, St. Louis, Mo. Filed June 4, 1934.

"INK-SCRAM"

Applicant disclaims the word "Ink" except in connection with the word "Scram".
For Eradicator for Ink.
Claims use since Dec. 13, 1933.

Ser. No. 353,126. GERT & CO., Vienna, Austria. Filed June 25, 1934.

GERTOS

For a Mixture of Salts of Organic Fruit Acids for Use with Balsam for a Skin Cream; Bay-Leaf Water and Bay Rum; Bath Mineral Waters; Bath Salts; Castor Oil; Chalk for Toilet Purposes; Cod Liver Oil and Cod Liver Oil Compounds for Use in Medicines and Pharmacy; Cold Cream; Coloring Matter for the Hair, Toilet Use and for Foods; Dentifrices; Depilatory Paste; Dyes for the Hair; Eau de Cologne; Epsom Salts; Face Powder; Face Cream; Fuller's Earth for Toilet Purposes; Glycerine; Hair Washes and Preparations for the Hair; Lavender Water; Lotions for Toilet Use; Mouth Wash; Perfumery; Pomade for Toilet Purposes; Medicinal Powders; Rouge for Toilet Purposes; Smelling Salts; and Depilatory Wax.
Claims use since Aug. 22, 1933.

Ser. No. 353,898. THE L. B. DRUG COMPANY, Gadsden, Ala. Filed July 14, 1934.

L. B. D.

For Headache Powders, Epsom Salts, Sulphur, Borax, Medicinally Pure Oils Adapted to be Taken Internally and Medicinally Pure Turpentine Sold for Medicinal Purposes, Castor Oil, Copperas, Powder and Liquid Insecticides, Itch Ointment.
Claims use since July 1, 1933.

Ser. No. 354,250. EMANUEL KLAUSNER, Vienna, Austria. Filed July 24, 1934.

AQUASOL

For Medical Preparations for Infections of the Kidneys, Urinary Tract, Liver and Gall-Duct, Rheumatic Diseases, High-Blood Pressure, and for External Skin Infections.
Claims use since Nov. 24, 1931.

Ser. No. 355,299. DEUTSCHE HYDRIERWERKE, A.-G., Berlin-Charlottenburg, Germany. Filed Aug. 22, 1934.

„Lorol"

For Normal Actyl, Capryl, Lauryl, Myristyl, Cetyl, Stearyl, Ricosyl, Carnaubyl, Ceryl, Cerotyl, Melissyl Alcohols or Mixtures of These Alcohols, and the Sulfates and Sulfonates of these Alcohols.
Claims use since July 19, 1929.

Ser. No. 356,095. GEORGE G. DANDO, doing business as Alvinorr Products, Galt, Ontario, Canada. Filed Sept. 15, 1934.

RUMACAPS

For Pharmaceutical Preparations for the Treatment of Rheumatism, Sore Back, Sciatica, Headache, and Neuralgia.
Claims use since Sept. 18, 1933.

Ser. No. 356,315. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Sept. 22, 1934.

FEROX

For Preparation for Treatment of the Liver and Gall Bladder.
Claims use since June 4, 1934.

Ser. No. 356,387. STAR PAPER COMPANY, doing business as Star Products Co., Chester, Pa. Filed Sept. 24, 1934.

9 IN 1

For Insecticide.
Claims use since December, 1932.

Ser. No. 356,388. STAR PAPER COMPANY, doing business as Star Products Co., Chester, Pa. Filed Sept. 24, 1934.

STAROX

For Bleach.
Claims use since December, 1932.

Ser. No. 356,778. MICHEL & PELTON COMPANY, doing business as The Salakuta Laboratories, Oakland, Calif. Filed Oct. 4, 1934.

SALAKUTA

For Hair and Scalp Shampoo and Skin Ointment.
Claims use since July 23, 1931.

Ser. No. 356,815. MT. HOOD SOAP COMPANY, Portland, Oreg. Filed Oct. 5, 1934.

SANI-RINZ

No claim is made to the word "Rinz" apart from the mark.
For Sterilizer and Disinfectant Having Incidental Cleansing Properties.
Claims use since Sept. 12, 1934.

Ser. No. 356,820. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa. Filed Oct. 5, 1934.

OGEN

For Fungicides, Insecticides, and Disinfectants for Plants, Seeds, Seed Pods, Fruits, Nuts, and Tubers.
Claims use since Sept. 1, 1924.

Ser. No. 356,846. MCCORMICK & COMPANY, INC., Baltimore, Md. Filed Oct. 6, 1934.



The words "Fly Spray" are claimed only in the association shown in the drawing.
For Insecticides.
Claims use since Dec. 1, 1932.

Ser. No. 357,043. GLYNN BOWDEN, doing business as Se Du Lotion Company, Kansas City, Mo. Filed Oct. 12, 1934.

SeDu

For Skin Lotion.
Claims use since January, 1934.

Ser. No. 357,250. LUNDBORG, INC., New York, N. Y. Filed Oct. 18, 1934.



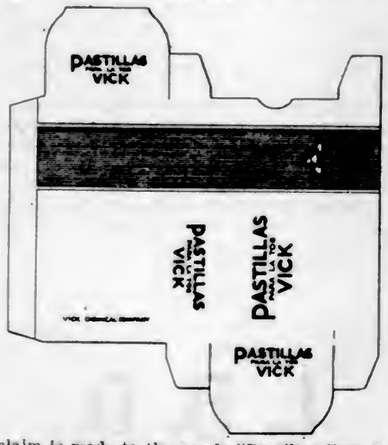
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets; Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows; Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since July 24, 1877.

Ser. No. 357,251. C. A. MOSSO LABORATORIES, Chicago, Ill. Filed Oct. 18, 1934.

MULT-APLY

For Antiseptics, Germicides, and Bactericides.
Claims use since Jan. 2, 1934.

Ser. No. 357,262. VICK CHEMICAL COMPANY, Philadelphia, Pa. Filed Oct. 18, 1934.



No claim is made to the words "Pastillas Para La Tos" nor to the representation of a carton per se. The drawing is lined for blue.
For Confectionery Lozenges or Pastilles with Added Medicinal Ingredients for the Treatment of Coughs, or Dry and Husky Throats, and Similar Affections.
Claims use since Aug. 25, 1934.

Ser. No. 357,462. EDWARD HERATH, Rensselaer, Ind. Filed Oct. 24, 1934.

NEW JOY

For Pile Ointment.
Claims use since Oct. 1, 1934.

Ser. No. 357,579. ZANADU MANUFACTURING CORPORATION, New York, N. Y. Filed Oct. 26, 1934.

CARIOCA

For Lipstick.
Claims use since Sept. 11, 1934.

Ser. No. 357,668. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 30, 1934.

BILISALIN

For Bile Salts Compound for Use in Treatment of Mucous Colitis, Intestinal Toxemia, Biliary Insufficiency and Chronic Endocrine Shortcomings.
Claims use since Oct. 14, 1934.

Ser. No. 357,714. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Oct. 31, 1934.



Applicant is the owner of registration No. 230,252. The drawing is lined for red.
For Dental Cream.
Claims use since July 27, 1934.

Ser. No. 357,780. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 1, 1934.

DIXIE LYE

No claim is made to the word "Lye" apart from the mark as shown.
For Lye.
Claims use since July 1, 1898.

Ser. No. 357,789. WALLACE & TIERNAN PRODUCTS, INC., Belleville, N. J. Filed Nov. 1, 1934.

Azochloramid

For Antiseptic and Germicidal Substance in Liquid Form and in Solid Form Either Powdered or Not.
Claims use since Nov. 30, 1932.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 357,386. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Filed Oct. 22, 1934.



No claim is made to the words on the drawing apart from the mark as shown.
For Matches.
Claims use since May 10, 1934.

CLASS 12

Construction Materials

Ser. No. 352,841. M. R. SMITH LUMBER & SHINGLE COMPANY, Seattle, Wash. Filed June 18, 1934.



Applicant disclaims the words "Brand", "Red Cedar Shingles", and "Seattle, U. S. A." The drawing is lined for red.
For Red Cedar Shingles.
Claims use since July 1, 1924.

Ser. No. 352,842. M. R. SMITH LUMBER & SHINGLE COMPANY, Seattle, Wash. Filed June 18, 1934.



Applicant disclaims the words "Cedar and Shingles", "Seattle, Wash." and "Kansas City, Mo." The drawing is lined for red.
For Red Cedar Shingles.
Claims use since July 1, 1924.

Ser. No. 355,383. T. P. BUILDING SUPPLY CO., Hicksville, Long Island, N. Y. Filed Aug. 22, 1934.

T & P

For Construction Materials—Namely, Bricks, Tiles, and Slabs, Made Out of Metal, Natural or Artificial Stone or Wood or Out of Other Composition Materials, and Used for Wall Construction and Surfacing of Building Structures.
Claims use since October, 1933.

Ser. No. 357,626. FLEMING & SONS, INC., Dallas, Tex. Filed Oct. 29, 1934.

WALLRITE

For Building Paper.
Claims use since Sept. 1, 1933.

Ser. No. 357,835. QUIGLEY COMPANY, INC., New York, N. Y. Filed Nov. 2, 1934.

PENSY

For Refractory Brick.
Claims use since Oct. 19, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 352,213. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Filed June 4, 1934.

Electro-Brew

The word "Brew" is disclaimed from the mark shown.
For Coffee Pots and Coffee Urns.
Claims use since Sept. 30, 1931.

Ser. No. 354,766. PARKER-KALON CORPORATION, New York, N. Y. Filed Aug. 8, 1934.

Masonry
CARTRIDGES

The word "Masonry" is disclaimed apart from the mark shown.
For Screws, Drive Screws, Set Screws, Drive Pins, Expansion Bolts, Expansion Sleeves, Screwnails, Studs, Nails, Rivets, Wing-Nuts, and Cap-Nuts.
Claims use since July 10, 1934.

Ser. No. 357,880. DOO TEE CORPORATION, Oakland, Calif. Filed Nov. 3, 1934.

DOO TEE

For Infant Toilet Seats.
Claims use since April, 1928.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 355,835. JACKSON-WHEELER METALS SERVICE, Brooklyn, N. Y. Filed Sept. 8, 1934.

LUBRITE
Bearing Alloy

No claim is made to the words "Bearing Alloy" apart from the mark.
For Bearing Alloys and White Metal Alloys Used as Anti-Frictional Media.
Claims use since Dec. 3, 1928.

CLASS 15

Oils and Greases

Ser. No. 355,886. THE HANCOCK OIL COMPANY OF CALIFORNIA, Long Beach, Calif. Filed Sept. 10, 1934.

"COCK O' THE WALK"

For Gasoline.
Claims use since July 31, 1934.

Ser. No. 356,534. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Sept. 28, 1934.

PMC

For Castor Oil for Lubrication Purposes.
Claims use since 1913.

CLASS 16

Paints and Painters' Materials

Ser. No. 356,601. THE PAYSON VARNISH CO., New York, N. Y. Filed Sept. 29, 1934.

ART-BLEND

For Paint Enamel.
Claims use since Sept. 29, 1934.

Ser. No. 357,868. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Nov. 3, 1934.

SYNDURA

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Sept. 12, 1934.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 346,294. WALTER W. DRAHEIM, Chicago, Ill. Filed Jan. 20, 1934.

AIR-O-PAL

For Radio Receiving Sets.
Claims use since June 15, 1933.

Ser. No. 351,259. CONDENSER CORPORATION OF AMERICA, Jersey City, N. J. Filed May 12, 1934.

"MIKE"

For Electrostatic Condensers.
Claims use since January, 1932.

Ser. No. 356,952. WILLIAM J. HALLIGAN, doing business as "the hallicrafters", Chicago, Ill. Filed Oct. 10, 1934.

The SKYRIDER

For Radio Receiving Sets.
Claims use since February, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 355,982. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 12, 1934.

HOLD AND DRAW

For Coin-Controlled, Rotary Counter Amusement Device.
Claims use since Aug. 1, 1934.

Ser. No. 356,775. LOUIS MARX & COMPANY, New York, N. Y. Filed Oct. 4, 1934.

AIRFLOW STREAMLINE

For Roller Skates.
Claims use since Sept. 20, 1934.

Ser. No. 357,638. EVELYN CLAYTON LEWIS, Dallas, Tex. Filed Oct. 29, 1934.

TEENY-TINY

For Dolls.
Claims use since June 1, 1933.

Ser. No. 357,641. JOHN F. MEYER, doing business as Exhibit Supply Company, Chicago, Ill. Filed Oct. 29, 1934.

LIVE-POWER

For Coin Controlled Amusement Apparatus.
Claims use since Oct. 12, 1934.

Ser. No. 357,704. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 31, 1934.

RED ARROW

For Coin Controlled, Ball Projecting, Amusement Device.
Claims use since Oct. 15, 1934.

Ser. No. 357,761. CORTLAND LINE CO. INC., Cortland, N. Y. Filed Nov. 1, 1934.

BARLEYCORN

For Tennis Rackets and Fishing Lines.
Claims use since June 26, 1934, on fishing lines; since Sept. 13, 1934, on tennis rackets.

Ser. No. 357,762. CORTLAND LINE CO. INC., Cortland, N. Y. Filed Nov. 1, 1934.

BATTLE CHIEF

For Tennis Rackets and Fishing Lines.
Claims use since July 18, 1934, on fishing lines; since Sept. 13, 1934, on tennis rackets.

Ser. No. 357,763. CORTLAND LINE CO. INC., Cortland, N. Y. Filed Nov. 1, 1934.

IVANHOE

For Tennis Rackets and Fishing Lines.
Claims use since June 26, 1934, on fishing lines; since Sept. 13, 1934, on tennis rackets.

Ser. No. 357,764. CORTLAND LINE CO. INC., Cortland, N. Y. Filed Nov. 1, 1934.

Regal Scot

For Tennis Rackets and Fishing Lines.
Claims use since June 26, 1934, on fishing lines; since Sept. 13, 1934, on tennis rackets.

Ser. No. 357,904. HILLERICH & BRADSBY COMPANY, Louisville, Ky. Filed Nov. 5, 1934.

POWER-FLEX

For Golf Clubs.
Claims use since Sept. 6, 1934.

Ser. No. 357,905. HILLERICH & BRADSBY CO., Louisville, Ky. Filed Nov. 5, 1934.

Powerized

For Baseball Bats and Golf Clubs.
Claims use since Oct. 27, 1931.

Ser. No. 357,907. HILLERICH & BRADSBY COMPANY, Louisville, Ky. Filed Nov. 5, 1934.

PRO=FLEX

For Golf Clubs.
Claims use since Sept. 6, 1934.

Ser. No. 357,916. JOHN F. MEYER, doing business as Exhibit Supply Company, Chicago, Ill. Filed Nov. 5, 1934.

TIT-TAT-TOE

For Coin Controlled Amusement Apparatus.
Claims use since Oct. 1, 1934.

Ser. No. 357,917. JOHN F. MEYER, doing business as Exhibit Supply Company, Chicago, Ill. Filed Nov. 5, 1934.

Tic-Tac-Toe

For Coin Controlled Amusement Apparatus.
Claims use since Oct. 1, 1934.

Ser. No. 357,927. STANDARD TICKET GAMES CORPORATION, Chicago, Ill. Filed Nov. 5, 1934.

FLASH

For Coin Controlled Amusement Apparatus.
Claims use since Oct. 1, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 354,276. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio. Filed July 25, 1934.

"HOT HARD"

The word "Hard" is disclaimed apart from the mark as shown.
For Metal Working Tools—Namely, Boring Drills and Bits of All Kinds, Reamers, Sockets, Drill-Holders, Drill Chucks, Arbors, Mandrels, Taps, Mills, Sinks, and Counterbores.
Claims use since July 6, 1934.

Ser. No. 355,426. WILLIAM J. BEROW, Brooklyn, N. Y. Filed Aug. 25, 1934.



No claim is made to the words "Double Edged Blades", "For a Quick Shave" and "So Smooth" apart from the mark shown. The drawing is lined for orange.
Claims use since October, 1930.
For Safety Razor Blades.

Ser. No. 356,053. SHEFFIELD MFG. CORP., Irvington, N. J. Filed Sept. 14, 1934.



For Razor Blades.
Claims use since November, 1932.

Ser. No. 356,985. NICHOLAS ABRAMS, Chicago, Ill. Filed Oct. 11, 1934.

JIFFY

For Carpet Sweepers.
Claims use since Sept. 15, 1934.

Ser. No. 357,322. THE ACME SHEAR COMPANY, Bridgeport, Conn. Filed Oct. 20, 1934.

"PETER RABBIT"

For Scissors and Shears.
Claims use since Oct. 4, 1934.

Ser. No. 357,330. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y. Filed Oct. 20, 1934.



No claim is made to the representation of the wrapper per se. The drawing is lined for light and dark blue.
For Razors and Razor Blades.
Claims use since Oct. 12, 1934.

Ser. No. 357,440. THE KENT COMPANY, INC., Rome, N. Y. Filed Oct. 23, 1934.

VACUNA

For Vacuum Cleaning Apparatus.
Claims use since February, 1910.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 354,415. TELEFONAKTIEBOLAGET L. M. ERICSSON, Stockholm, Sweden. Filed July 28, 1934.

CENTRALOGRAPH

For Apparatus for Registering Electrically Various Operating Data of a Number of Machines.
Claims use since November, 1932.

Ser. No. 356,094. BUHL OPTICAL COMPANY, Pittsburgh, Pa. Filed Sept. 14, 1934.

KUMF-O-LITE

For Ophthalmic Lenses, Prisms, Spectacles, and Eye-Glass Frames and Mountings, and Parts Thereof.
Claims use since Aug. 21, 1934.

Ser. No. 356,720. GENERAL COIN-AUTOMATIC CO., Seattle, Wash. Filed Oct. 3, 1934.

TYPE-O-METER

The word "Meter" is disclaimed apart from the mark.
For Coin Controlled Time Meter for Typewriters.
Claims use since Sept. 1, 1934.

Ser. No. 357,248. THE JACOBS BROS. CO., INC., Brooklyn, N. Y. Filed Oct. 18, 1934.

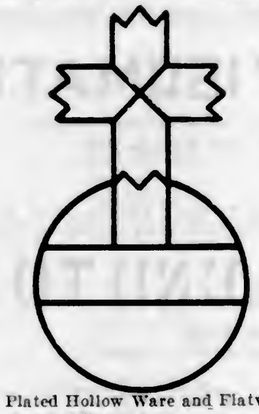
My-wate

For Weighing Scales.
Claims use since Sept. 5, 1934.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 356,892. BARKER BROTHERS SILVER COMPANY, INC., New York, N. Y. Filed Oct. 9, 1934.



For Silver Plated Hollow Ware and Flatware for Table, Toilet, or Ornamental Use.
Claims use since Oct. 1, 1934.

Ser. No. 357,362. BARRASSO & BLASI, INC., Newark, N. J. Filed Oct. 22, 1934.



For Finger Rings, Brooches, Pendants, Bracelets, Earrings, Scarf Pins, Neck Chains, Watch Chains.
Claims use since Oct. 11, 1934.

CLASS 32

Furniture and Upholstery

Ser. No. 352,196. THE ROME COMPANY, INC., Rome, N. Y. Filed June 2, 1934.

ARTISAN

For Bedsprings.
Claims use since December, 1930.

Ser. No. 356,268. SENIEL OSTROW, doing business as Valley Bedding & Furniture Co., Fresno, Calif. Filed Sept. 21, 1934.



Applicant disclaims the expression "Multiplex Spring Construction" apart from the other features of the mark.
For Mattresses, Couches, Davenports, Chairs, and Box Springs.
Claims use since Aug. 1, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 356,983. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Filed Oct. 10, 1934.



The word "Burner" and the representation of a burner are disclaimed apart from the mark. The drawing is lined for blue and red.
For Vaporized Liquid Hydro Carbon Burners.
Claims use since Oct. 20, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 346,786. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Jan. 31, 1934.

Grey-Rock

BALANCED BRAKSET

The terms "Balanced Brakset" are disclaimed apart from the mark.

For Brake Linings.
Claims use since Dec. 17, 1933.

CLASS 37

Paper and Stationery

Ser. No. 356,798. MICHAEL F. DUNN, Fitchburg, Mass. Filed Oct. 5, 1934.

DECOTONE

For Decorative Wrapping Paper.
Claims use since Aug. 21, 1934.

Ser. No. 357,164. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Oct. 16, 1934.



For Crayons.
Claims use since June 8, 1934.

Ser. No. 357,282. HENRY N. FELEY & CO., INC., New York, N. Y. Filed Oct. 19, 1934.

OCTA

For Check Books.
Claims use since Aug. 10, 1933.

Ser. No. 357,326. BANKERS BOX COMPANY, Chicago, Ill. Filed Oct. 20, 1934.

Liberty

For Permanent Binders and String Binders.
Claims use since Oct. 8, 1934, on permanent binders; since May 2, 1931, on string binders.

Ser. No. 357, 773. DAVID KAHN, INC., North Bergen, N. J. Filed Nov. 1, 1934.

WEAREVER

For Lead and Erasers for Pencils.
Claims use since 1918.

Ser. No. 357,837. SOLOMON M. SAGER, Chicago, Ill. Filed Nov. 2, 1934.

VISOMATIC

For Fountain Pens and Parts Thereof.
Claims use since Sept. 5, 1933.

Ser. No. 357,872. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Nov. 3, 1934.

BLEND TONE

For Printing Paper.
Claims use since Oct. 12, 1934.

CLASS 38

Prints and Publications

Ser. No. 355,136. BEVERLY STUDIOS, INC., New York, N. Y. Filed Aug. 18, 1934.

Cinema-Art

The word "Art" is disclaimed apart from the mark as shown.

For Mounted and Unmounted Photographs.
Claims use since Aug. 14, 1934.

Ser. No. 355,137. BEVERLY STUDIOS, INC., New York, N. Y. Filed Aug. 18, 1934.

Cinema-Way

For Mounted and Unmounted Photographs.
Claims use since Aug. 14, 1934.

Ser. No. 356,281. NINA BAKER, Chicago, Ill. Filed Sept. 21, 1934.

FREE AIR
Nina Baker

The name "Nina Baker" is disclaimed apart from the mark.

For Series of Newspaper Feature Columns.
Claims use since Jan. 1, 1922.

Ser. No. 357,398. TOWNSMAN PUBLISHING CO., INC., Chicago, Ill. Filed Oct. 22, 1934.

Northwesttown Journal-Booster

For Periodical Publication.
Claims use since Oct. 17, 1934.

CLASS 39

Clothing

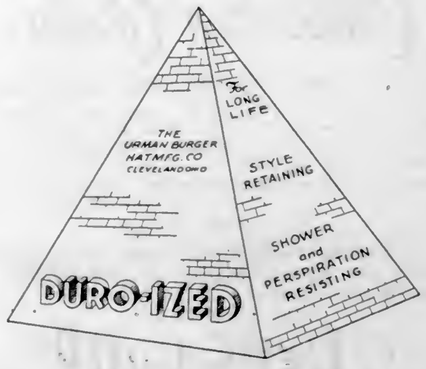
Ser. No. 342,509. SAUL O. REYDMAN, Milwaukee, Wis. Filed Oct. 13, 1933.



The picture is fanciful.

For Infants' Wear—Namely, Dresses, Suits, Rompers, Shoes, Socks, Bootees, and Caps.
Claims use since Jan. 1, 1933.

Ser. No. 342,939. THE URMAN-BURGER HAT MFG. CO., Cleveland, Ohio. Filed Oct. 24, 1933.



Applicant disclaims "The Long Life", "Style Retaining", "Shower and Perspiration Resisting" and "Cleveland, Ohio."

For Men's Hats.
Claims use since Jan. 1, 1933.

Ser. No. 355,568. ALBERT GIVEN MANUFACTURING COMPANY, East Chicago, Ind. Filed Aug. 30, 1934.

Fly-Zip

Exclusive use of the word "Fly" apart from the mark as shown is disclaimed.

For Men's and Boys' Trousers.
Claims use since June 2, 1934.

Ser. No. 355,577. D. MYERS AND SONS, INC., Baltimore, Md. Filed Aug. 30, 1934.



Applicant disclaims the words "Built in Quality in Every Shoe" except as shown in the drawing.

For Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since December, 1932.

Ser. No. 355,856. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Sept. 8, 1934.

CAROLINA CRASH

Applicant disclaims the word "Crash" apart from the mark as shown.

For Garments of the Tailored Variety Consisting of Vests, Knickerbockers, Topcoats, Overcoats, and Suits for Men, Youths, and Boys.

Claims use since September, 1933.

Ser. No. 356,156. IRVING ROSNER, doing business as Firm-Mould Five Point Foundation Co., New York, N. Y. Filed Sept. 18, 1934.

Firm-Mould

FIVE POINT FOUNDATION CO.

For Brassières, Corsets, Underwear for Women of Textile Material, Girdles, Bandeaux, and Foundation Garments.

Claims use since Aug. 8, 1934.

Ser. No. 356,405. H. FREEMAN & SON, INC., Philadelphia, Pa. Filed Sept. 25, 1934.

RAMA-FLEECE

No claim is made to the word "Fleece" apart from the mark.

For Men's and Young Men's Topcoats, Overcoats, and Suits.

Claims use since Oct. 20, 1932.

Ser. No. 356,455. WILLIAM F. MOORE, doing business as Moore Elastic Products Company, Glendale, Calif. Filed Sept. 26, 1934.

"ITSYOUTH"

For Brassières, Garter Belts, Girdles, Corsets, and Hose Supporters.

Claims use since Apr. 3, 1933.

Ser. No. 356,618. FEDDEN BROTHERS COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 1, 1934.

"Life Guards"

"The Guards Protect You"

Applicant disclaims the word "Guards" apart from the mark as shown.

For Hosiery.

Claims use since Sept. 11, 1934.

Ser. No. 356,674. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Oct. 2, 1934.

PERMA-DUL

Applicant disclaims the word "Dul" apart from the mark as shown.

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.

Claims use since June 21, 1934.

Ser. No. 356,724. GUIBERT-BOUISSET & CO., INC., New York, N. Y. Filed Oct. 3, 1934.

BEAUDOE

For Leather Gloves.

Claims use since Sept. 27, 1934.

Ser. No. 356,736. BROWN SHOE COMPANY, St. Louis, Mo. Filed Oct. 4, 1934.

PED-EZE

No claim is made to the word "Eze" apart from the mark.

For Men's, Women's, and Children's Shoes of Leather, Fabric, Compositions, and Combinations Thereof.

Claims use since Sept. 26, 1934.

Ser. No. 356,891. GEO. E. WYE CO., Needham, Mass. Filed Oct. 8, 1934. Under 10-year proviso.

WYE

For Knitted Wearing Apparel—Namely, Sweaters, Caps for Men, Women, and Children, and Bathing Suits.

Claims use since 1888.

Ser. No. 356,956. THE MIDDISHADE COMPANY, INC., Philadelphia, Pa. Filed Oct. 10, 1934.

FRIJIDKLOTH

For Men's Suits, Coats, Pants, and Vests.

Claims use since Aug. 10, 1934.

Ser. No. 357,181. STYLEPARK HATS, INC., Philadelphia, Pa. Filed Oct. 16, 1934.

SANITHER

For Men's Hats.

Claims use since Sept. 26, 1934.

Ser. No. 357,216. ASHEVILLE HOSIERY COMPANY, Asheville, N. C. Filed Oct. 18, 1934.

Peak hi

For Hosiery.

Claims use since Oct. 1, 1933.

Ser. No. 357,336. M. C. FRIDOLPH, Los Angeles, Calif. Filed Oct. 20, 1934.

"BIB'N TUCKER"

For Foundation Garments for Women.

Claims use since March, 1934.

Ser. No. 357,465. MANNY-RIELLY CO., New York, N. Y. Filed Oct. 24, 1934.

SKELETONS

For Women's Underwear.

Claims use since July 27, 1934.

Ser. No. 357,527. LUDWIG BAUMANN & COMPANY, New York, N. Y. Filed Oct. 26, 1934.

Medburne

For Men's Suits, Topcoats, and Overcoats.

Claims use since Sept. 14, 1934.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 353,929. BETTY M. HODGES, Chicago, Ill. Filed July 16, 1934.

BETTY BANDO

No claim is made to the word "Bando" apart from the mark.

For Bandeaux in the Nature of Hair Protectors.

Claims use since May 5, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 353,843. BUCHET FILS ET CHARLES COLCOMBET, Lyon, France. Filed July 13, 1934.

BUCOL

For Piece Goods Composed Wholly or in Part of Wool, Hair Silk, Rayon, Cotton, Hemp, Flax, Jute, Alpha Fibre, Aloe Fibre, Vegetable Fibre, or Mixtures Thereof, and Rolls or Bolts of Ribbon.

Claims use since Dec. 31, 1927.

Ser. No. 355,565. COLONY SALES CORPORATION, New York, N. Y. Filed Aug. 30, 1934.

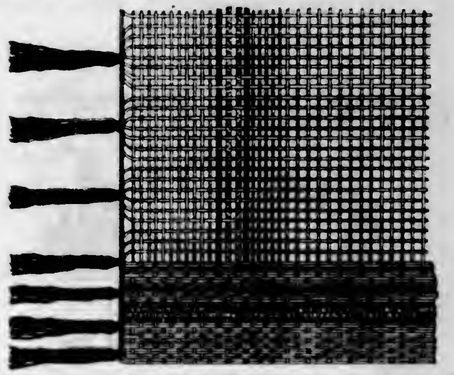
CAMEL-GORA

The descriptive word "Camel" is disclaimed apart from the mark as shown.

For Textile Fabrics—Namely, Wool, Cotton, Silk, Rayon, and Flannel.

Claims use since Aug. 12, 1934.

Ser. No. 356,870. DONNY CHEESE FACTORY EQUIPMENT, Monroe, Wis. Filed Oct. 8, 1934.



Trade-mark consists of a distinctively colored strip in the form of spaced black strands with interposed golden strands interwoven in and extending around the four sides of the cloths. No claim is made to the representation of the goods as shown in the drawing.

For Cheese Cloths.

Claims use since July 1, 1934.

Ser. No. 356,991. CANNON MILLS COMPANY, Kannapolis, N. C. Filed Oct. 11, 1934.

CAROLEEN

For Sheets and Pillow Cases.

Claims use since 1930.

Ser. No. 356,993. CANNON MILLS COMPANY, Kannapolis, N. C. Filed Oct. 11, 1934.

LAVENLAWN

For Sheets and Pillow Cases.

Claims use since 1929.

Ser. No. 356,994. CANNON MILLS COMPANY, Kannapolis, N. C. Filed Oct. 11, 1934.

SNOW MAIDEN

For Sheets and Pillow Cases.

Claims use since March, 1933.

Ser. No. 357,042. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Oct. 12, 1934.

Taffaille

For Pile Fabrics in the Piece.

Claims use since Oct. 5, 1934.

Ser. No. 357,064. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 12, 1934.

BEN HUR

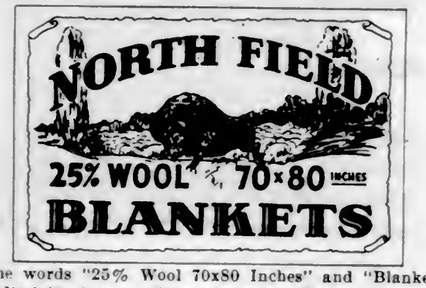
For Cotton Piece Goods—Namely, Muslin.
Claims use since Aug. 17, 1934.

Ser. No. 357,065. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 12, 1934.

CLEARBROOK

For Cotton Piece Goods—Namely, Muslin Longcloth, and Nainsook.
Claims use since Aug. 17, 1934.

Ser. No. 357,283. GOLDBLATT BROS., INC., Chicago, Ill. Filed Oct. 19, 1934.



The words "25% Wool 70x80 Inches" and "Blankets" are disclaimed apart from the mark shown.
For Blankets.
Claims use since Feb. 1, 1934.

Ser. No. 357,325. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Oct. 20, 1934.



The word "Kool" is disclaimed except in association shown.
For Piece Goods—Namely, Suitings Composed Wholly or Partly of Wool.
Claims use since Oct. 15, 1934.

Ser. No. 357,605. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 27, 1934.

STURDY OAK

For Cotton Piece Goods—Namely, Muslin.
Claims use since Aug. 17, 1934.

Ser. No. 357,606. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 27, 1934.

OLD STANDBY

For Cotton Piece Goods—Namely, Muslin.
Claims use since Aug. 17, 1934.

Ser. No. 357,607. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 27, 1934.

FAMILY FRIEND

For Cotton Piece Goods—Namely, Muslin.
Claims use since Aug. 17, 1934.

CLASS 43

Thread and Yarn

Ser. No. 352,009. UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed May 28, 1934.

Plylastic

For Rubber Thread.
Claims use since May 22, 1934.

Ser. No. 357,029. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Oct. 11, 1934.

KASHYR

For Worsted Yarn.
Claims use since Sept. 28, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 356,613. CLIFFORD M. ANDREWS, Lincoln, Nebr. Filed Oct. 1, 1934.

THERMOLIZED

For Artificial Dental Restorations.
Claims use since Dec. 1, 1932.

Ser. No. 356,614. CLIFFORD M. ANDREWS, Lincoln, Nebr. Filed Oct. 1, 1934.

THERMOLIZER

For Apparatus to Be Used for the Correct Curing of All Plastic Dental Materials.
Claims use since Dec. 1, 1932.

Ser. No. 357,323. JULIUS ADERER, INC., New York, N. Y. Filed Oct. 20, 1934.

MULTICAST

For Precious Metal Alloys for Dentistry.
Claims use since Dec. 1, 1933.

Ser. No. 357,324. JULIUS ADERER, INC., New York, N. Y. Filed Oct. 20, 1934.

ORACAST

For Precious Metal Alloys for Dentistry.
Claims use since July 9, 1934.

Ser. No. 357,800. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Nov. 2, 1934.

A.S.R.

For Surgical Knives and Blades for Surgical Knives.
Claims use since Aug. 18, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 357,572. ERNEST J. STEVENS, Chicago, Ill. Filed Oct. 26, 1934.

THE RED LION INN

For Nonalcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since May 26, 1933.

Ser. No. 357,765. N. H. DARSKY, doing business as Golden Age Ginger Ale Co., Youngstown, Ohio. Filed Nov. 1, 1934.

GET-UP

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, Viz, a Lithiated Lemon Soda.
Claims use since Oct. 25, 1934.

Ser. No. 357,944. N. H. DARSKY, doing business as Golden Age Ginger Ale Co., Youngstown, Ohio. Filed Nov. 6, 1934.

WAKE-UP

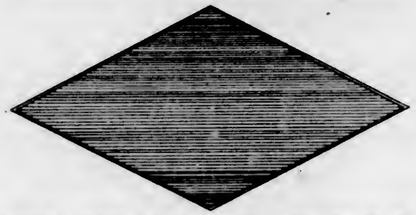
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, Viz, a Lithiated Lemon Soda.
Claims use since Oct. 25, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 334,946. APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Feb. 14, 1933.

BLUE DIAMOND BRAND



The word "Brand" is disclaimed. The drawing is lined for blue.
For Fresh Apples.
Claims use since July 15, 1909.

Ser. No. 339,828. BEN B. KRASNOW, Sacramento, Calif. Filed July 17, 1933.

IRIS

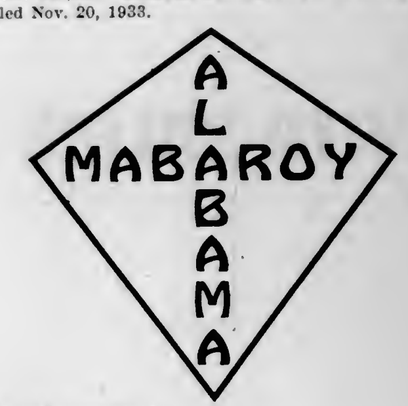
For Fresh Grapes.
Claims use since 1918.

Ser. No. 340,754. SANTA ANA-TUSTIN MUTUAL CITRUS ASSOCIATION, Tustin, Calif. Filed Aug. 16, 1933.

Silver Tips

For Fresh Citrus Fruits.
Claims use since July 7, 1933.

Ser. No. 343,865. ALABAMA PIT BAR-B-Q CO., Chicago, Ill. Filed Nov. 20, 1933.



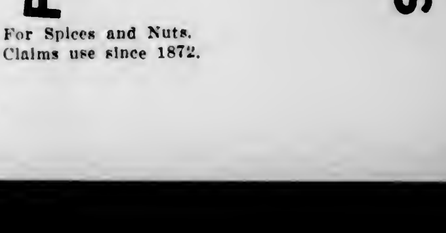
For Barbecue Sauce.
Claims use since Jan. 10, 1930.

Ser. No. 344,610. JOSEPH TETLEY & CO., INC., New York, N. Y. Filed Dec. 7, 1933.

BUDGET

For Butter, Canned Fruits, and Vegetables; Canned Soups; Canned Milk; Canned Eggs; Canned Fish; Catsup; Chili Sauce; Marmalade; Salad and Fruit Dressings; Peanut Butter and Fruit Butter; Breakfast Cereals; Cheese; Chocolate and Cocoa; Coffee; Corn Starch; Dried Vegetables; Fresh Citrus and Deciduous Fruits; Eggs, Milk and Fish; Food Flavoring Extracts and Extract Flavoring Powder for Foods; Edible Fats and Oils for Shortening; Wheat and Rye Flour; Gelatine; Glucose; Honey; Jellies; Pickles; Lard; Noodles; Spaghetti; Macaroni; Malt Powder for Food Purposes; Hop Extracts for Food Purposes; Mayonnaise; Marshmallow Whip; Malted Milk; Molasses; Jams; Mustard; Shelled, Salted, and Natural Nuts; Pepper; Pepper Sauce; Table Salt; Spices; Pie Crust Preparation and Fillings; Salted and Sweetened Pop Corn; Potato Chips; Malt Syrups and Fruit Syrups for Food Purposes; Sugar; Vinegar; Yeast; Bird Food, Dog Food and Feed for Horses and Cattle.
Claims use since Sept. 12, 1933.

Ser. No. 347,637. FRANCISCO FLORES, Espinardo, Spain. Filed Feb. 20, 1934. Under 10-year proviso.



For Spices and Nuts.
Claims use since 1872.

Ser. No. 350,293. MARGARET SANDS, doing business as Vita-Gum Company, Alexandria, Va. Filed Apr. 21, 1934.

VITA - GUM

The word "Gum" is disclaimed apart from the mark.
For Chewing Gum.
Claims use since Apr. 13, 1934.

Ser. No. 350,422. PAUL HAWKINS COMPANY, Los Angeles, Calif. Filed Apr. 24, 1934.

VITA-SOLIDS

The word "Solids" is disclaimed apart from the mark.
For Ice Creams, Milk Ices, and Frozen Confections Containing Processed Powdered Milk.
Claims use since Feb. 1, 1934.

Ser. No. 352,819. ESCOFFIER LIMITED, London, England. Filed June 18, 1934.



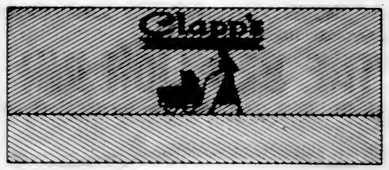
No claim is made to the word "London" except as shown.
For Pickles, Chutney, Table and Condiment Sauces, Vinegar, Salad Cream, Mayonnaise, Edible Oil, Meat Pastes, Poultry Pastes, Game Pastes, Fish Pastes, Honey, Prepared Pepper, Prepared Mustard, Preserved Vegetables, Preserved Fruits, and Preparations for Making Soups.
Claims use since Jan. 30, 1903.

Ser. No. 353,117. THE BREYER ICE CREAM COMPANY, Philadelphia, Pa. Filed June 25, 1934.

Scoops

For Ice Cream and Similar Frozen Products.
Claims use since June 23, 1934.

Ser. No. 353,378. HAROLD H. CLAPP, INC., Rochester, N. Y. Filed June 30, 1934.



The drawing is lined for shading.
For Food for Babies—Namely, Strained Vegetables, Strained Fruits, Soups, Apple Sauce, and Cereal Food.
Claims use since Februnry, 1927.

Ser. No. 353,691. THE ZEHNER PACKING COMPANY, INC., Bellevue, Ohio. Filed July 9, 1934. Under section 5b of the act of 1905 as amended in 1920.

DRESDEN HAM

For Luncheon Meat—Namely, Ham.
Claims use since Dec. 8, 1930.

Ser. No. 355,556. HERMAN A. MURRAY, Lake George, N. Y. Filed Aug. 30, 1934.

M and M DOG FOODS

No claim is made to the words "Dog Foods" apart from the mark. No claim is made to the color orange.
For Dog Food.
Claims use since May 8, 1933.

Ser. No. 355,603. SEEMAN BROTHERS, INC., New York, N. Y. Filed Aug. 29, 1934.

CONSOMMÉ ARCTIQUE

No claim is made to the word "Consomme" apart from the mark as shown.
For Canned Soup.
Claims use since May 22, 1934.

Ser. No. 356,128. JOSEPH TETLEY & CO., INC., New York, N. Y. Filed Sept. 17, 1934.

BUDGET

For Tea.
Claims use since July 15, 1932.

Ser. No. 356,184. FRANK FAZIO, Chicago, Ill. Filed Sept. 19, 1934.



No claim is made to the words "Made in U. S. A."
For Dry Sausages.
Claims use since Aug. 10, 1934.

Ser. No. 356,776. JAMES MCLESLIE, INC., Chicago, Ill. Filed Oct. 4, 1934.

CORBECURE

For Preparation Especially Adapted for Corning of Beef.
Claims use since Sept. 11, 1934.

Ser. No. 356,782. WILLIAM A. SCHAUTZ, Scranton, Pa. Filed Oct. 4, 1934.



For Bread and Rolls.
Claims use since Aug. 18, 1934.

Ser. No. 356,984. ALBERS BROS. MILLING CO., Portland, Oreg., and San Francisco, Oakland, Los Angeles, Riverside, Fresno, Calif. Filed Oct. 11, 1934.



No claim is made to the phrase "You Can See the Difference."
For Instant Tapioca.
Claims use since Aug. 15, 1934.

Ser. No. 357,020. NATIONAL GROCERY COMPANY, Jersey City, N. J. Filed Oct. 11, 1934.

GLEN BROOK

For Eggs.
Claims use since Feb. 27, 1931.

Ser. No. 357,041. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill. Filed Oct. 12, 1934.

VALLEY FARM

For Butter.
Claims use since July 1, 1928.

Ser. No. 357,068. J. E. SLOAN, doing business as Pea Product Company, Los Angeles, Calif. Filed Oct. 12, 1934.

VITA-RITE

For Cooked Dried Peas.
Claims use since Sept. 29, 1934.

Ser. No. 357,186. THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio. Filed Oct. 16, 1934.



KITCHEN DELIGHT

For Prepared Packaged Vegetable Liquid for Seasoning Foods.
Claims use since July 11, 1934.

Ser. No. 357,385. NIANA PURE FOOD COMPANY, Waukesha, Wis. Filed Oct. 22, 1934.

NIANA

For Canned Beans, Canned Beets, Canned Peas, Canned Tomatoes, Kraut, Lima Beans, Kidney Beans, Pumpkin, Garden Corn, and Evaporated Milk, Carrots.
Claims use since Jan. 22, 1914.

Ser. No. 357,548. FILICE & PERRELLI CANNING COMPANY, INC., Richmond, Calif. Filed Oct. 20, 1934.

NEW GIFT

For Canned Fruits, Canned Vegetables.
Claims use since May 1, 1934.

Ser. No. 357,549. FILICE & PERRELLI CANNING COMPANY, INC., Richmond, Calif. Filed Oct. 26, 1934.

RICH GIFT

For Canned Fruits, Canned Vegetables.
Claims use since May 1, 1934.

Ser. No. 357,550. FILICE & PERRELLI CANNING COMPANY, INC., Richmond, Calif. Filed Oct. 26, 1934.

SUN GIFT

For Canned Fruits, Canned Vegetables.
Claims use since May 1, 1934.

CLASS 47

Wines

Ser. No. 349,294. ANDRÉ TABOURIN, Epernay, France. Filed Mar. 29, 1934.



No claim is made to the words "Epernay" and "Marque Déposée" apart from the mark.
For Wines.
Claims use since February, 1869.

Ser. No. 350,494. JOSEPH LEFLAIVE, Puligny-Montrachet, France. Filed Apr. 25, 1934.



The drawing is lined for blue and gold.
For Wines.
Claims use since Dec. 13, 1933.

Ser. No. 351,589. VVE. VILLARS & FILS, Bordeaux, France. Filed May 19, 1934.



No claim is made to the words "Century Dealers in Best Wines" apart from the mark shown. The drawing is lined for gold.
For Wines.
Claims use since May, 1926.

Ser. No. 356,073. G. FAVA FRUIT COMPANY, INC., Baltimore, Md. Filed Sept. 15, 1934.



The drawing is lined for red, green, and gold.
For Wines.
Claims use since Sept. 5, 1934.

Ser. No. 357,452. CUCAMONGA WINE COMPANY, Cucamonga, Calif. Filed Oct. 24, 1934.

Desert Rose

For Wines.
Claims use since Feb. 12, 1934.

Ser. No. 357,614. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 29, 1934.

HALL O'FAME

For Port Wine.
Claims use since Sept. 1, 1934.

Ser. No. 357,617. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 29, 1934.

REVELATION

For Port Wine.
Claims use since Sept. 1, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 342,288. REGAL PRODUCTS COMPANY, San Francisco, Calif. Filed Oct. 9, 1933.

Regal-Amber

The word "Amber" is disclaimed apart from the mark shown.
For Malt, Cereal Beverage Not Having Over the Legal Alcoholic Content.
Claims use since Aug. 27, 1933.

Ser. No. 351,641. NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed May 21, 1934.

Narragansett

For Malt Beverages Containing Not More Than the Legal Alcoholic Content.
Claims use since December, 1891.

Ser. No. 357,329. CATARACT BREWING CO., INC. OF ROCHESTER, N. Y., Rochester, N. Y. Filed Oct. 20, 1934.

CANANDAIGUA
Royal STOUT

No claim is made to the word "Stout" apart from the mark.
For Beer, Porter, Ale, and Stout.
Claims use since Aug. 1, 1934.

Ser. No. 357,576. ERNEST J. STEVENS, Chicago, Ill. Filed Oct. 26, 1934.

THE RED LION INN

For Beer, Ale, Porter, and Stout.
Claims use since May 1, 1934.

Ser. No. 357,838. SALEM BREWERY ASSOCIATION, Salem, Oreg. Filed Nov. 2, 1934.

PRIDE OF THE VALLEY

For Beer.
Claims use since 1903.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 356,120. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 17, 1934.

OLD MUSKET

For Whiskies.
Claims use since Aug. 20, 1934.

Ser. No. 356,425. PARK, BENZIGER & CO., INC., New York, N. Y. Filed Sept. 25, 1934.

THE BRANDY OF LAFAYETTE

No claim is made to the word "Brandy" apart from the mark.
For Brandy.
Claims use since Sept. 5, 1934.

Ser. No. 356,454. HENRY MITAYNE, doing business as Mitayne Hermanos, New York, N. Y. Filed Sept. 26, 1934.



No claim is made to the words "Veritable", "Creme de Cacao", "Chuao", "A la Vanille" and "Made By" apart from the mark shown. The drawing is lined for red, green and blue.
For Alcoholic Cordials.
Claims use since July 30, 1934.

Ser. No. 357,189. BON TON, INCORPORATED, doing business as Bon Ton Beverages, Inc., Chicago, Ill. Filed Oct. 17, 1934.

Union Club

No claim is made to the word "Club" apart from the mark.
For Whiskey.
Claims use since June 18, 1934.

Ser. No. 357,206. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed Oct. 17, 1934.



No claim is made to the word "Club."
For Whiskey.
Claims use since Oct. 16, 1934.

Ser. No. 357,244. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Oct. 18, 1934.



The drawing is lined for blue, yellow, and black.
For Whiskey.
Claims use since Oct. 5, 1934.

Ser. No. 357,431. GOODMAN & BEER CO., INC., New Orleans, La. Filed Oct. 23, 1934.

AUTOCRAT

The drawing is lined for red.
For Cocktail.
Claims use since May 9, 1934.

Ser. No. 357,432. GOODMAN & BEER CO., INC., New Orleans, La. Filed Oct. 23, 1934.



The drawing is lined for red. No claim is made to the word "Special" apart from the mark.
For Whisky.
Claims use since Mar. 7, 1934.

Ser. No. 357,503. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Oct. 25, 1934.

Golden Grain

The word "Grain" is claimed only in connection with the other features of the mark.
For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 18, 1934.

Ser. No. 357,774. THE KEILSON CO., Covington, Ky. Filed Nov. 1, 1934.

Wooden Shoe

For Gin.
Claims use since Oct. 8, 1934.

Ser. No. 357,775. THE KEILSON CO., Covington, Ky. Filed Nov. 1, 1934.

LICKING RIVER

For Whiskey.
Claims use since Oct. 8, 1934.

Ser. No. 357,813. JOSEPH S. FINCH AND COMPANY, Schenley, Pa. Filed Nov. 2, 1934.

SPECTATOR

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 19, 1934.

Ser. No. 357,819. HOLLEB LIQUOR DISTRIBUTORS, INC., Chicago, Ill. Filed Nov. 2, 1934.

TrueAmerican

For Whiskey.
Claims use since Oct. 5, 1934.

Ser. No. 357,826. MANY, BLANC & CO., INC., Chicago, Ill. Filed Nov. 2, 1934.

D.L.BOUCHETT

The ruling in the drawing indicates the color red. Applicant is the owner of Trade-Mark No. 306,650, dated Sept. 26, 1933.
For Cordials, Brandy, Whiskey, Gin, Cocktails, Rum, Bitters, and Liqueurs.
Claims use since Jan. 12, 1934.

Ser. No. 357,839. SCHENLEY DISTRIBUTORS, INC., New York, N. Y. Filed Nov. 2, 1934.

BRYANT PARK

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 10, 1934.

Ser. No. 357,867. MOHAWK LIQUOR CORPORATION, Detroit, Mich. Filed Nov. 3, 1934.

ST. MONICA

For Cordials.
Claims use since Oct. 20, 1934.

Ser. No. 357,896. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Nov. 5, 1934.

A. F. L.

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Oct. 25, 1934.

Ser. No. 357,897. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Nov. 5, 1934.



The word "Special" is disclaimed apart from the mark.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July 26, 1934.

Ser. No. 357,898. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Nov. 5, 1934.

GRANDSTAND

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 18, 1934.

Ser. No. 357,919. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Filed Nov. 5, 1934.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July 26, 1934.

Ser. No. 357,929. WEST INDIES LIQUOR CORPORATION, Gretna and New Orleans, La. Filed Nov. 5, 1934.

MARACAS

For Rum.
Claims use since Oct. 29, 1934.

Ser. No. 357,957. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Nov. 6, 1934.

BIG CREEK

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 14, 1934.

Ser. No. 358,012. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Nov. 8, 1934.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 19, 1934.

Ser. No. 358,030. THE GEO. T. STAGG COMPANY, Frankfort, Ky. Filed Nov. 8, 1934.

KENTUCKY BURGOO

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 17, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 355,819. THE SPONGE RUBBER PRODUCTS CO., Derby, Conn. Filed Sept. 7, 1934.

SPONGEX

For Rug Underlays, Bath Mats, and Kneeling Pads.
Claims use since Feb. 11, 1932.

Ser. No. 357,597. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Oct. 27, 1934.

ILLUSION

For Shower Curtains and Window Drapes Made of Waterproofed Fabrics, and Waterproofed Fabrics in the Piece.
Claims use since August, 1933.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 11, 1934

319,885. ADVERTISING BLOTTERS. PRACTICAL SALES PRODUCERS, INC., New York, N. Y.
Filed July 9, 1934. Serial No. 353,684. PUBLISHED OCTOBER 2, 1934. Class 37.

319,886. LOTION AND AN OINTMENT FOR THE SKIN AND SCALP. DERMITONE MANUFACTURING CO., INC., New York, N. Y.
Filed July 11, 1934. Serial No. 353,752. PUBLISHED OCTOBER 2, 1934. Class 6.

319,887. ALIMENTARY PASTES, NAMELY—MACARONI, SPAGHETTI, NOODLES, AND THE LIKE. COLUMBIA MACARONI MANUFACTURING COMPANY, INC., New Orleans, La.
Filed July 14, 1934. Serial No. 353,881. PUBLISHED OCTOBER 2, 1934. Class 46.

319,888. POWER CHAINS AND CHAIN LINKS. LINK-BELT COMPANY, Chicago, Ill.
Filed July 16, 1934. Serial No. 353,932. PUBLISHED OCTOBER 2, 1934. Class 13.

319,889. SOLID FUEL STOVES AND FURNACES. ROUND OAK FURNACE COMPANY, Dowagiac, Mich.
Filed July 16, 1934. Serial No. 353,945. PUBLISHED OCTOBER 2, 1934. Class 34.

319,890. AUTOMOBILE TIRES MADE OF RUBBER AND FABRIC AND AUTOMOBILE-TIRE TUBES MADE OF RUBBER. DAVE STERN, Paterson, N. J.
Filed July 16, 1934. Serial No. 353,956. PUBLISHED OCTOBER 2, 1934. Class 35.

319,891. HANDKERCHIEFS. CHARLES L. BASNER, New York, N. Y.
Filed July 18, 1934. Serial No. 354,019. PUBLISHED SEPTEMBER 25, 1934. Class 42.

319,892. PRINTED FORMS OF VARIOUS KINDS, AND PARTICULARLY NOTICES SENT OUT BY CREDITORS TO ASSIST IN COLLECTING ACCOUNTS, SOLD TO THE TRADE AS SUCH. EUGENE EAGER WOOD, doing business as Signal Printing Company, Hilton Village, Va.
Filed July 26, 1934. Serial No. 354,361. PUBLISHED OCTOBER 2, 1934. Class 37.

319,893. FRESH CITRUS FRUITS. ENGELMAN GARDENS PRODUCTS MARKETING ASSOCIATION, Elsa, Tex., and St. Louis, Mo.
Filed July 30, 1934. Serial No. 354,436. PUBLISHED OCTOBER 2, 1934. Class 46.

319,894. WHEAT FLOUR. GWINN BROS. & CO., Huntington, W. Va.
Filed July 30, 1934. Serial No. 354,443. PUBLISHED OCTOBER 2, 1934. Class 46.

319,895. CLEANING COMPOUNDS FOR GENERAL USE, PARTICULARLY ADAPTED FOR ALL RAILROAD MAINTENANCE CLEANING. THE FERRO ENAMEL CORPORATION, Cleveland, Ohio.
Filed August 1, 1934. Serial No. 354,507. PUBLISHED OCTOBER 2, 1934. Class 4.

319,896. CANNED FRUITS. NATIONAL FRUIT CANNING CO., Seattle, Wash.
Filed August 1, 1934. Serial No. 354,519. PUBLISHED OCTOBER 2, 1934. Class 46.

319,897. WALL-PAPER CLEANER. MRS. OMAR H. SCHNELLE, doing business as Omar Products Company, Columbus, Ohio.
Filed August 1, 1934. Serial No. 354,525. PUBLISHED OCTOBER 2, 1934. Class 4.

319,898. LYE AND CHEMICAL SODA PRODUCTS AND MIXTURES INCLUDING SAL SODA AND BICARBONATE OF SODA. THE BUCKEYE SODA COMPANY, Painesville, Ohio.
Filed August 3, 1934. Serial No. 354,597. PUBLISHED OCTOBER 2, 1934. Class 6.

319,899. ADHESIVE PLASTER, BANDAGE PLASTER, AND FOOT PLASTER. THE SCHOLL MFG. CO. INC., Chicago, Ill.
Filed August 3, 1934. Serial No. 354,639. PUBLISHED OCTOBER 2, 1934. Class 44.

319,900. HAIR TONIC AND SHAMPOO. R. B. SEMLER, INC., New York, N. Y.
Filed August 4, 1934. Serial No. 354,662. PUBLISHED OCTOBER 2, 1934. Class 6.

319,901. AUTOMOBILE HEATERS AND PARTS OR ACCESSORIES THEREFOR, AND MORE PARTICULARLY HEATERS HEATED BY THE ENGINE-COOLING MEDIUM. LIBERTY FOUNDRIES COMPANY, Rockford, Ill.
Filed August 6, 1934. Serial No. 354,686. PUBLISHED OCTOBER 2, 1934. Class 19.

319,902. TREATMENT IN TABLET FORM FOR ALL SPASMODIC CONDITIONS AND AFFECTIONS OF THE SYMPATHETIC NERVOUS SYSTEM, USED IN DISORDERS OF THE CIRCULATION RESPIRATORY TRACT, DIGESTIVE TRACT, THE NERVOUS SYSTEM, THE FEMALE GENITAL ORGANS, AND OF THE GLANDULAR AND SYMPATHETIC SYSTEM. LABORATORIES DU DOCTEUR MAURICE LEPRINCE, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France.
Filed August 7, 1934. Serial No. 354,729. PUBLISHED OCTOBER 2, 1934. Class 6.

319,903. PERIODICAL. THE COTTON DIGEST PUBLISHING COMPANY, INC., Houston, Tex.
Filed August 8, 1934. Serial No. 354,745. PUBLISHED OCTOBER 2, 1934. Class 38.

319,904. SPAR VARNISH, FLAT WHITE WALL PAINT, AND PAINT ENAMEL. GOHEEN CORPORATION OF NEW JERSEY, Newark, N. J.
Filed August 9, 1934. Serial No. 354,793. PUBLISHED OCTOBER 2, 1934. Class 16.

319,905. ALIMENTARY PASTES—NAMELY, MACARONI, SPAGHETTI, NOODLES, AND THE LIKE. COLUMBIA MACARONI MANUFACTURING COMPANY, INC., New Orleans, La.
Filed July 14, 1934. Serial No. 353,880. PUBLISHED OCTOBER 2, 1934. Class 46.

319,906. DRAPERY HARDWARE—NAMELY, METAL CURTAIN RODS, CURTAIN-ROD FIXTURES, HOOKS, FLEXIBLE METAL TAPE, AND METAL HOLD-BACKS FOR CURTAINS. KIRSCH COMPANY, Sturgis, Mich.
Filed August 13, 1934. Serial No. 354,938. PUBLISHED OCTOBER 2, 1934. Class 13.

319,907. WINES. FLORIDO & CO., Sanlucar de Barrameda, Spain.
Filed August 16, 1934. Serial No. 355,059. PUBLISHED OCTOBER 2, 1934. Class 47.

319,908. DEVILS FOOD MIX, GINGERBREAD MIX, MUFFIN AND WAFFLE MIX, FUDGE ICING, AND SCOTCH ICING. JEAN INC., Newark, N. J.
Filed August 16, 1934. Serial No. 355,068. PUBLISHED OCTOBER 2, 1934. Class 46.

319,909. DRAPERY HARDWARE—NAMELY, METAL CURTAIN RODS, CURTAIN-ROD FIXTURES, HOOKS, FLEXIBLE METAL TAPE, AND METAL HOLD-BACKS FOR CURTAINS. KIRSCH COMPANY, Sturgis, Mich.
Filed August 13, 1934. Serial No. 354,939. PUBLISHED OCTOBER 2, 1934. Class 13.

319,910. WINES. OLD DUTCH MILLS, INC., New York, N. Y.
Filed October 21, 1933. Serial No. 342,762. PUBLISHED NOVEMBER 28, 1933. Class 47.

319,911. PERIODICAL. ATLAS PUBLISHING COMPANY, INC., New York, N. Y.
Filed January 12, 1934. Serial No. 345,932. PUBLISHED OCTOBER 2, 1934. Class 38.

319,912. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. FITGER BREWING COMPANY, Duluth, Minn.
Filed February 8, 1934. Serial No. 347,138. PUBLISHED APRIL 3, 1934. Class 48.

319,913. PUBLICATION CONTAINING RECIPES ISSUED WEEKLY. THE KROGER GROCERY & BAKING COMPANY, doing business as The Kroger Food Foundation, Cincinnati, Ohio.
Filed February 9, 1934. Serial No. 347,184. PUBLISHED OCTOBER 2, 1934. Class 38.

319,914. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, ETC. JOLIND, INC., New York, N. Y., assignor to Blue Waltz, Inc., New York, N. Y., a corporation of New York.
Filed March 2, 1934. Serial No. 348,074. PUBLISHED OCTOBER 2, 1934. Class 6.

319,915. SHEET METAL ASH AND GARBAGE CANS AND SHEET METAL WATER PAILS. THE REEVES MANUFACTURING COMPANY, Dover, Ohio.
Filed March 8, 1934. Serial No. 348,357. PUBLISHED MAY 1, 1934. Class 2.

319,916. PREPARATIONS IN THE NATURE OF BEARD SOFTENERS FOR USE BEFORE AND AS AN AID TO SHAVING, AND TOILET SOAPS. CAMPANA CORPORATION, Batavia, Ill.
Filed March 16, 1934. Serial No. 348,688. PUBLISHED MAY 22, 1934. Class 4.

319,917. WINTERGREEN FLAVORED HARD CANDY. LIFE SAVERS, INC., Port Chester, N. Y.
Filed March 29, 1934. Serial No. 349,286. PUBLISHED OCTOBER 2, 1934. Class 46.

319,918. SHOE POLISH AND A GENERAL CLEANING PREPARATION AND AN ABRASIVE DETERGENT PREPARATION FOR POLISHING AND CLEANING. WILLIAM A. REGAN, Washington, D. C.
Filed April 12, 1934. Serial No. 349,889. PUBLISHED OCTOBER 2, 1934. Class 4.

319,919. WHISKEY. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky.
Filed April 14, 1934. Serial No. 349,964. PUBLISHED MAY 29, 1934. Class 49.

319,920. WHISKEY. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky.
Filed April 14, 1934. Serial No. 349,965. PUBLISHED MAY 29, 1934. Class 49.

319,921. LOTIONS FOR THE SKIN AND FACE CREAMS. MARIE EARLE, INC., New York, N. Y.
Filed April 28, 1934. Serial No. 350,630. PUBLISHED OCTOBER 2, 1934. Class 6.

319,922. CATSUP, WHEAT FLOUR, RYE FLOUR, GRAHAM FLOUR, PANCAKE FLOUR, BUCKWHEAT FLOUR, CAKE FLOUR, BISCUIT FLOUR, CORN MEAL, AND WHEAT CEREAL FLOUR. WESTERN GROCER COMPANY, doing business as Marshall Canning Co., and Marshall Food Products Co., Marshalltown, Iowa.
Filed April 30, 1934. Serial No. 350,732. PUBLISHED OCTOBER 2, 1934. Class 46.

319,923. DENTAL GOLD AND PORCELAIN TEETH, ABUTMENTS FOR TEETH, BRIDGE ABUTMENTS FOR TEETH, TEETH FACINGS, AND TEETH CROWNS AND DENTAL CASTING COMBINATION PRODUCTS. ELLIOTT E. LA FRIENIER, Los Angeles, Calif.
Filed May 5, 1934. Serial No. 350,959. PUBLISHED OCTOBER 2, 1934. Class 44.

319,924. LAGER BEER. THE WEHLE BREWING COMPANY, West Haven, Conn.
Filed May 3, 1934. Serial No. 350,874. PUBLISHED JUNE 12, 1934. Class 48.

319,925. SOAPS. FRANK R. EAGER, Wilmette, Ill.
Filed May 12, 1934. Serial No. 351,261. PUBLISHED OCTOBER 2, 1934. Class 4.

319,926. WINES. OTTO JACOB, Neustadt/Haardt, Germany.
Filed May 16, 1934. Serial No. 351,409. PUBLISHED OCTOBER 2, 1934. Class 47.

319,927. DEVILED HAM. THE SMITHFIELD HAM AND PRODUCTS COMPANY, INCORPORATED, Smithfield, Va.
Filed May 18, 1934. Serial No. 351,526. PUBLISHED OCTOBER 2, 1934. Class 46.

319,928. HOSIERY. HERBERT M. KAISER, New York, N. Y., assignor to May Hosiery Mills, Inc., Burlington, N. C., a corporation of New York.
Filed May 21, 1934. Serial No. 351,630. PUBLISHED AUGUST 7, 1934. Class 39.

319,929. PAPER TOWELS AND PAPER SOAP SOLD AS A UNIT. ROYBAR & COMPANY, Chicago, Ill.
Filed May 21, 1934. Serial No. 351,652. PUBLISHED AUGUST 7, 1934. Class 4.

319,930. PERIODICAL AND FOR A SECTION OF A PERIODICAL. THE OUTDOOR PUBLISHING CORPORATION, New York, N. Y.
Filed May 26, 1934. Serial No. 351,929. PUBLISHED OCTOBER 2, 1934. Class 38.

319,931. SHOE DRESSING. NEAT FOOT CORPORATION, San Antonio, Tex.
Filed June 13, 1934. Serial No. 352,628. PUBLISHED OCTOBER 2, 1934. Class 4.

319,932. ELASTIC FLUID TURBINES AND PARTS THEREOF, METALLIC AND NONMETALLIC GEAR WHEELS AND GEAR-WHEEL BLANKS, SPEED-CHANGE GEARING, HYDRAULIC OPERATORS, AND SUPERCHARGERS FOR INTERNAL COMBUSTION ENGINES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,730. PUBLISHED OCTOBER 2, 1934. Class 23.

319,933. IMITATION HANDKERCHIEFS. KALMAN J. KORTVELESY, Bayside, N. Y.
Filed June 29, 1934. Serial No. 353,335. PUBLISHED SEPTEMBER 25, 1934. Class 42.

319,934. EVAPORATED MILK. CARNATION COMPANY, Wilmington, Del.; Milwaukee and Oconomowoc, Wis.; and Seattle, Wash.
Filed July 3, 1934. Serial No. 353,465. PUBLISHED OCTOBER 2, 1934. Class 46.

319,935. EVAPORATED MILK. CARNATION COMPANY, Wilmington, Del.; Milwaukee and Oconomowoc, Wis.; and Seattle, Wash.
Filed July 3, 1934. Serial No. 353,466. PUBLISHED OCTOBER 2, 1934. Class 46.

319,936. PREPARED PAINTS READY FOR USE, OILS, AND VARNISHES. THE GREGG COMPANY, INC., Philadelphia, Pa.
Filed December 11, 1933. Serial No. 344,781. PUBLISHED OCTOBER 2, 1934. Class 16.

319,937. PRESERVED FISH AND VEGETABLE, EITHER ALONE OR TOGETHER, GENERALLY TERMED HORS D'OEUVRE (FRENCH) OR ANTIPASTO (—FORE-DISH, IN ITALIAN). WAX & VITALE, Genoa, Italy.
Filed January 3, 1934. Serial No. 345,617. PUBLISHED OCTOBER 2, 1934. Class 46.

319,938. PENCILS. WALLACE PENCIL COMPANY, Maplewood, Mo.
Filed November 22, 1933. Serial No. 344,030. PUBLISHED OCTOBER 2, 1934. Class 37.

319,939. WINES. CALIFRUIT WINERIES, INC., New York, N. Y.
Filed October 16, 1933. Serial No. 342,522. PUBLISHED DECEMBER 12, 1933. Class 47.

319,940. FROZEN CONFECTION. JERRY P. WALTERS, Garfield, N. J.
Filed July 6, 1934. Serial No. 353,586. PUBLISHED OCTOBER 2, 1934. Class 46.

319,941. CLEAN-OUT PLUGS, TRAP SCREWS, METAL HANDLES FOR BASIN COCKS, SHOWERS, FAUCETS AND PARTS THEREOF, RADIATOR VALVES AND HANDLES THEREOF, WHEELS FOR TURNING VALVES, AND BATH COCK NOZZLES. PAUL MUNK & COMPANY, Long Island City, N. Y.
Filed August 24, 1933. Serial No. 340,985. PUBLISHED OCTOBER 2, 1934. Class 13.

319,942. STABILIZERS FOR SHERBETS AND OTHER FROZEN CONFECTIONS. SIMPSON BROS. PRODUCTS COMPANY, Fort Worth, Tex.
Filed August 11, 1933. Serial No. 340,667. PUBLISHED OCTOBER 2, 1934. Class 46.

319,943. MECHANICS' CLEANSING HAND PASTE CONTAINING GRITTY MATERIAL. S. H. KRESS & Co., New York, N. Y.
Filed August 9, 1933. Serial No. 340,563. PUBLISHED OCTOBER 2, 1934. Class 4.

319,944. PERIODICAL MAGAZINE. AMERICAN BREWERS' REVIEW COMPANY, Chicago, Ill.
Filed July 18, 1933. Serial No. 339,854. PUBLISHED DECEMBER 19, 1933. Class 38.

319,945. PISTONS. TSUNGANI PISTON COMPANY, Tacoma, Wash.
Filed June 28, 1933. Serial No. 339,332. PUBLISHED OCTOBER 2, 1934. Class 23.

319,946. ALE, BEER, STOUT, PORTER, AND LAGER. NEW BRUNSWICK BREWERIES LIMITED, Fairville, St. John, New Brunswick, Canada.
Filed June 1, 1933. Serial No. 338,429. PUBLISHED MARCH 6, 1934. Class 48.

319,947. SHAVING CREAMS, SHAVING STICKS, SHAVING POWDERS, OUTFIT PACKAGES CONTAINING SOAP AND TOWEL, SOAP POWDERS FOR BATHING, AND TOILET SOAPS. ACE MANUFACTURING COMPANY, Chicago, Ill.
Filed February 28, 1933. Serial No. 335,409. PUBLISHED OCTOBER 2, 1934. Class 4.

319,948. WINDSHIELDS FOR ALL TRAVEL CRAFT. DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany, assignor to Degea Aktiengesellschaft (Auergesellschaft), Berlin, Germany, a corporation of Germany.
Filed October 11, 1932. Serial No. 331,146. PUBLISHED OCTOBER 2, 1934. Class 19.

319,949. SHOE POLISH. MANHATTAN-KREOLE PRODUCTS, INC., New York and Brooklyn, N. Y.
Filed March 28, 1932. Serial No. 325,589. PUBLISHED OCTOBER 2, 1934. Class 4.

319,950. CURTAIN RODS AND FIXTURES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed August 25, 1934. Serial No. 355,443. PUBLISHED OCTOBER 2, 1934. Class 13.

319,951. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. CHEEVER, TWEEDY & CO., INC., North Attleboro, Mass.
Filed August 25, 1934. Serial No. 355,431. PUBLISHED OCTOBER 2, 1934. Class 28.

319,952. CHAMPAGNE TYPE COCKTAIL. THE OLD MONASTERY CO., INC., Rheims, N. Y.
Filed August 23, 1934. Serial No. 355,368. PUBLISHED OCTOBER 2, 1934. Class 47.

319,953. WINES. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y.
Filed August 21, 1934. Serial No. 355,258. PUBLISHED OCTOBER 2, 1934. Class 47.

319,954. WINES. WILBUR H. GRIFENHAGEN, New York, N. Y.
Filed August 20, 1934. Serial No. 355,189. PUBLISHED OCTOBER 2, 1934. Class 47.

319,955. PREPARATION FOR THE RELIEF OF ASTHMA AND HAY FEVER. HAZEL MARIE TROTT, doing business as The Pharmaceutical Specialty Co., Hemlock, N. Y.
Filed August 17, 1934. Serial No. 355,125. PUBLISHED OCTOBER 2, 1934. Class 6.

319,956. AEROPLANES AND PARTS THEREFOR NOT IN OTHER CLASSES. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed July 23, 1934. Serial No. 354,210. PUBLISHED OCTOBER 2, 1934. Class 19.

319,957. NOM DE PLUME FOR PUBLICATIONS ISSUED FROM TIME TO TIME. THE HUTCHINS ADVERTISING COMPANY, INC., Rochester, N. Y.
Filed July 23, 1934. Serial No. 354,206. PUBLISHED OCTOBER 2, 1934. Class 38.

319,958. CANNED SWEET RED PEPPERS. ROYAL PACKING COMPANY, Los Angeles, Calif.
Filed July 21, 1934. Serial No. 354,179. PUBLISHED OCTOBER 2, 1934. Class 46.

319,959. CANNED CHILE PEPPERS. ROYAL PACKING COMPANY, Los Angeles, Calif.
Filed July 21, 1934. Serial No. 354,178. PUBLISHED OCTOBER 2, 1934. Class 46.

319,960. INSECTICIDE SPRAYER. PESTOLATOR CORP., New York, N. Y.
Filed July 21, 1934. Serial No. 354,168. PUBLISHED OCTOBER 2, 1934. Class 23.

319,961. ANIMAL-FOOD INGREDIENT OF HIGH VITAMIN G POTENCY COMBINED WITH AN ENZYMIC MATERIAL. KRAFT-PHENIX CHEESE CORPORATION, Chicago, Ill.
Filed July 18, 1934. Serial No. 354,044. PUBLISHED OCTOBER 2, 1934. Class 46.

319,962. GERMICIDES, ANTISEPTICS, AND MOUTH WASH. IODINE PHARMACAL CO., INC., New York, N. Y.
Filed August 15, 1934. Serial No. 355,026. PUBLISHED OCTOBER 2, 1934. Class 6.

319,963. TOOTH POWDER. M. V. EUSEY, doing business as Dental-teen Laboratories, Los Angeles, Calif.
Filed August 17, 1934. Serial No. 355,098. PUBLISHED OCTOBER 2, 1934. Class 6.

319,964. LUBRICATING OILS. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed August 15, 1934. Serial No. 355,024. PUBLISHED OCTOBER 16, 1934. Class 15.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

319,965. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CANNON MILLS COMPANY, Kannapolis, N. C. Filed Oct. 11, 1934. Serial No. 356,090.

ARDMORE

For Sheets and Pillowcases.
Claims use since September, 1932.

319,966. (CLASS 39. CLOTHING.) CROCETTA BROTHERS & COMPANY, INC., Gloversville, N. Y. Filed Sept. 20, 1934. Serial No. 356,246.

CROCETTA

For Leather and Fabric Gloves for Men and Women.
Claims use since 1922.

319,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. S. HEATH & SONS, Robinson, Ill. Filed Sept. 17, 1934. Serial No. 356,138.

English HEATH Toffee

For Candy Bars.
Claims use since Mar. 1, 1932.

319,968. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C. A. CLAFLIN CO., Boston, Mass. Filed Sept. 12, 1934. Serial No. 355,960.

BANG PRUF

For Air Blow Gun Nozzles.
Claims use since Sept. 27, 1929.

319,969. (CLASS 39. CLOTHING.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Aug. 31, 1934. Serial No. 355,606.

"BERKEY"

For Misses' and Ladies' Shoes Made of Leather, Rubber, Fabric, and of Combinations of Those Materials.
Claims use since Oct. 7, 1932.

319,970. (CLASS 37. PAPER AND STATIONERY.) BOBUN BROS., Los Angeles, Calif. Filed June 25, 1934. Serial No. 353,116.

Betty Woods

For Cleansing Tissues.
Claims use since July 1, 1931.

319,971. (CLASS 39. CLOTHING.) JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Apr. 17, 1934. Serial No. 350,111.

MITY-LITE

For Men's and Boys' Felt and Straw Hats and Cloth Caps, Men's Silk Hats, and Felt and Straw Hats for Women and Children.
Claims use since Oct. 1, 1933.

319,972. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) VAN CLEEF BROS., Chicago, Ill. Filed Mar. 19, 1934. Serial No. 348,853.

DRIP-SEAL

For Cellulosic Material for Water-Proofing Cracks, Breaks, and Leaks in Leather Automobile Tops.
Claims use since January, 1932.

319,973. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed Dec. 16, 1933. Serial No. 345,037.

OKI

For Paper Hats for Men, Women, and Children.
Claims use since Oct. 17, 1933.

319,974. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed Dec. 16, 1933. Serial No. 345,036.

ALPANA

For Paper Hats for Men, Women, and Children.
Claims use since Oct. 17, 1933.

319,975. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Nov. 27, 1933. Serial No. 344,213.

LITE-N-KOOL

For Piece Goods of Silk, Cotton, Rayon, and Wool, and Piece Good of Mixtures of These Materials.
Claims use since Nov 1, 1933.

319,976. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Nov. 27, 1933. Serial No. 344,212.

KOOLISLE

For Piece Goods of Silk, Cotton, Rayon, and Wool, and Piece Goods of Mixtures of These Materials.
Claims use since Nov. 1, 1933.

319,977. (CLASS 37. PAPER AND STATIONERY.) THE BEVERIDGE PAPER COMPANY, Indianapolis, Ind. Filed Nov. 11, 1933. Serial No. 343,545.

SAMARKAND

For Cover Paper.
Claims use since Oct. 16, 1933.

319,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. W. ZWIEG & SON, Fort Collins, Colo. Filed Nov. 3, 1933. Serial No. 343,234.



For Wholewheat Cereal.
Claims use since Nov. 1, 1932.

319,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD MEDAL BAKING COMPANY, INC., Philadelphia, Pa. Filed Sept. 12, 1933. Serial No. 341,521.



For Bread.
Claims use since July 14, 1933.

319,980. (CLASS 2. RECEPTACLES.) MATHIAS R. KONDOLF, New York, N. Y. Filed May 11, 1933. Serial No. 338,211.

LOK-PAK

For Fiber Cartons.
Claims use since July 11, 1932.

319,981. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDWARD H. BROADWELL, Westfield, Mass., receiver of Westfield Manufacturing Company, assignor to The Westfield Manufacturing Company, a corporation of Massachusetts. Filed May 3, 1933. Serial No. 337,415.



For Bicycles.
Claims use since Apr. 1, 1933.

319,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. D. W. FOOD PRODUCTS CO., San Francisco, Calif. Filed Apr. 10, 1933. Serial No. 336,595.



For Prepared Biscuit Flour.
Claims use since July 1, 1932.

319,983. (CLASS 37. PAPER AND STATIONERY.) JAMES W. STEELE, Kansas City, Mo. Filed Apr. 6, 1933. Serial No. 336,516.

ANTI-CRUSH

For Collar Supporting and Reinforcing Devices Such as Paper Forms for Newly Made or Freshly Laundered Collars.
Claims use since July 1, 1930.

319,984. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STEELWELD MACHINERY COMPANY, Cleveland, Ohio. Filed Oct. 1, 1932. Serial No. 330,878.

STEELWELD

For Metal Forming Machines—Namely, Bending Brakes, and Bulldozers.
Claims use since Nov. 11, 1930.

319,985. (CLASS 39. CLOTHING.) NORTHERN JOBBING COMPANY, Chicago, Ill., New York, N. Y., and St. Paul, Minn. Filed July 24, 1929. Serial No. 287,588.



For Men's and Women's Clothing—Namely, Overcoats, Suits—Namely, Coats, Vests and Trousers, Cloaks, Smocks, Men's, Women's, and Children's Undershirts, Drawers and Union Suits, Women's Vests, Bloomers, Brassières, Combination Shirts and Drawers, Underskirts Made of Cotton, Wool, Silk and Rayon and/or Combinations Thereof, Knit Goods—Namely, Men's and Women's Mufflers, and Scarfs; Mittens of Wool, Leather, Cotton, Imitation Leather and/or Combinations Thereof; Men's, Women's, and Children's Garters, Men's Arm Bands, Cotton and Flannel Gloves, Gloves for Men, Women and Children Made of Leather, Silk, Cotton or Other Fabric and/or Combinations Thereof, Hosiery for Men, Women and Children in Cotton, Wool, Silk, Rayon and/or Combinations Thereof, Women's and Girls' Corsets and Girdles, Slips, Rubber Pants for Babies, Sweaters, Children's Suits and Women's Dresses.
Claims use since May 2, 1929.

TRADE-MARK REGISTRATIONS RENEWED

11,993. LOZENGES OR OTHER MEDICINAL PREPARATIONS IN SOLID FORM. Registered March 10, 1885. BURROUGHS, WELLCOME & CO., London, England. Re-renewed March 10, 1935, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

43,630. CERTAIN NAMED INSECTICIDES. Registered November 1, 1904. THE KENTUCKY TOBACCO PRODUCT COMPANY, Louisville, Ky. Renewed November 1, 1934, to Tobacco By-Products & Chemical Corporation, Louisville, Ky., and Richmond, Va., a corporation of Delaware, assignee.

43,779. SKIN LOTIONS, CREAMS AND POWDERS. Registered November 29, 1904. BERZINSKI & RICHTER. Renewed November 29, 1934, to Simi-Laboratorium A. Richter Kom.-Ges., Berlin, Germany, a corporation of Germany, assignee.

44,081. RICE. Registered January 31, 1905. WALL RICE MILLING COMPANY LIMITED, Lake Charles, La. Renewed January 31, 1935, to Louisiana State Rice Milling Company, Inc., Abbeville, La., a corporation of Louisiana, assignee by mesne assignments.

44,082. RICE. Registered January 31, 1905. WALL RICE MILLING COMPANY LIMITED, Lake Charles, La. Renewed January 31, 1935, to Louisiana State Rice Milling Company, Inc., Abbeville, La., a corporation of Louisiana, assignee by mesne assignments.

44,083. RICE. Registered January 31, 1905. WALL RICE MILLING COMPANY LIMITED, Lake Charles, La. Renewed January 31, 1935, to Louisiana State Rice Milling Company, Inc., Abbeville, La., a corporation of Louisiana, assignee by mesne assignments.

44,206. A COSMETIC CREAM. Registered February 21, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Renewed February 21, 1935.

44,207. FACE POWDER. Registered February 21, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Renewed February 21, 1935.

95,932. WORK-SHIRTS, OVERALLS, TEXTILE JACKETS, AND TEXTILE JUMPERS. Registered March 24, 1914. NEELY, HARWELL & CO., Nashville, Tenn., a firm. Renewed March 24, 1934.

96,231. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 14, 1914. CECIL CO., Inc., Norfolk, Va., a corporation of Virginia, successor.

96,232. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 14, 1914. CECIL BILLUPS. Renewed April 14, 1934, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

96,233. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 14, 1914. CECIL BILLUPS. Renewed April 14, 1934, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

96,234. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 14, 1914. CECIL BILLUPS. Renewed April 14, 1934, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

96,235. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 14, 1914. CECIL BILLUPS. Renewed April 14, 1934, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

96,634. PLOWS, MOLDBOARDS, LANDSIDES, POINTS, AND PLOW-BEAMS. Registered April 28, 1914. CECIL BILLUPS. Renewed April 28, 1934, to C. Billups, Son & Co., Inc., Norfolk, Va., a corporation of Virginia, successor.

96,739. NON-METALLIC TIRES. Registered April 28, 1914. UNITED & GLOBE RUBBER MFG. COMPANIES. Renewed April 28, 1934, to Globe Rubber & Tire Co., Inc., Trenton, N. J., a corporation of New Jersey, assignee by mesne assignments.

97,877. CHAMPAGNE-WINES AND OTHER SPARKLING WINES. Registered June 23, 1914. G. H. MUMM & CO., Rheims, France. Renewed June 23, 1934, to Societe Vinicole de Champagne, Paris and Rheims, France, a corporation of France, assignee.

99,229. CANNED SALMON. Registered August 25, 1914. THE MACLEAY ESTATE CO., Portland, Oreg. Renewed August 25, 1934, to Security Savings & Trust Company, Portland and Wedderburn, Oreg, a corporation of Oregon, assignee.

99,673. FERTILIZERS. Registered September 8, 1914. THE ROBERT A. WOOLDRIDGE COMPANY, Baltimore, Md. Renewed September 8, 1934, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

99,678. FERTILIZERS. Registered September 15, 1914. AMERICAN AGRICULTURAL CHEMICAL CO. Renewed September 15, 1934, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee.

100,074. A MEDICAL PREPARATION COMPRISING HERBS FOR USE IN FEMALE COMPLAINTS. Registered October 6, 1914. ARMINDA J. ANDERSON, Leaday, Tex. Renewed October 6, 1934, to Arminda J. Anderson, Edinburg, Tex.

100,198. A CERTAIN FOOD PREPARATION. Registered October 13, 1914. EMMA E. CURTIS. Renewed October 13, 1934, to Emma E. Curtis, Melrose, Mass., a firm, assignee.

100,286. CERTAIN NAMED ARTICLES USED IN DENTISTRY. Registered October 20, 1914. CRESCENT DENTAL MFG. CO., Chicago, Ill., a corporation of Illinois. Renewed October 20, 1934.

100,328. LEATHER SHOES. Registered October 20, 1914. PHIL HEROLD COMPANY. Renewed October 20, 1934, to Herold Shoe Company, San Jose, Calif., a firm, assignee.

100,889. A SPECIFIC IN RHEUMATISM AND A MEDICINAL TONIC. Registered October 27, 1914. RHU-LUM-GOU CO., New York, N. Y. Renewed October 27, 1934, to Rhu-Lum-Gou Co., Incorporated, Brooklyn, N. Y., a corporation of New York.

100,956. A TABLET FOR THE RELIEF OF DISORDERS OF THE LIVER AND FOR CONSTIPATION. Registered November 3, 1914. BARZILLAI L. COLE. Renewed November 3, 1934, to Cole Chemical Company, Wilmington, Del., and St. Louis, Mo., a corporation of Delaware, assignee.

101,009. LIQUID DYES FOR SHOES, SATCHELS, BELTS, GLOVES, STRAW HATS, AND THE LIKE. Registered November 3, 1914. EDWARD J. REILLY. Renewed November 3, 1934, to E-Jay-R-Manufacturing Company, Baltimore, Md., a corporation of Maryland, successor.

101,035. BLEACHED GAUZE. Registered November 10, 1914. CARSON, PIRIE, SCOTT & CO. Renewed November 10, 1934, to Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois, assignee.

101,144. SPRUDEL SALTS, ANTISEPTIC TABLETS, OINTMENT, AND SURGICAL DRESSING. Registered November 17, 1914. HERMAN W. FABER. Renewed November 17, 1934, to Mamie C. Faber, St. Louis, Mo., successor.

101,170. COAL. Registered November 17, 1914. ILLINOIS MIDLAND COAL COMPANY. Renewed November 17, 1934, to Peabody Coal Company, Chicago, Ill., a corporation of Illinois, successor.

101,330. COFFEE. Registered November 24, 1914. RUST-PARKER-MARTIN COMPANY, Augusta, Maine, and Duluth, Minn. Renewed November 24, 1934, to Rust-Parker Company, Duluth, Minn., a corporation of Maine, by change of name.

101,373. PHOTOGRAPHIC FILM. Registered December 8, 1914. EASTMAN KODAK COMPANY, Rochester, N. Y., a corporation of New York. Renewed December 8, 1934.

101,396. INSECTICIDES FOR EXTERMINATING ROACHES AND WATER-BUGS. Registered December 8, 1914. JAYNES DRUG CO. Renewed December 8, 1934, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

101,428. COAL-TAR COLORS. Registered December 8, 1914. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed December 8, 1934.

101,429. COAL-TAR COLORS. Registered December 8, 1914. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed December 8, 1934.

101,513. METALLIC FILING CASES AND CABINETS IN BOTH SECTIONAL AND SOLID CONSTRUCTION. Registered December 22, 1914. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed December 22, 1934.

101,524. MIXED FEED AND BRAN. Registered December 22, 1914. MOSELEY & MOTLEY MILLING CO., Rochester, N. Y., a corporation of New York. Renewed December 22, 1934.

101,802. FIRE-BRICK. Registered January 12, 1915. STEVENS BROS. & CO., Stevens Pottery, Ga. Renewed January 12, 1935, to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

101,924. LUBRICATING-OILS. Registered January 19, 1915. M. HARTLEY DODGE, New York, N. Y. Renewed January 19, 1935, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware, assignee by mesne assignments.

102,154. YEAST. Registered January 26, 1915. NORTHWESTERN YEAST COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 26, 1935.

102,155. YEAST. Registered January 26, 1915. NORTHWESTERN YEAST COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 26, 1935.

102,277. WHEAT-FLOUR. Registered February 2, 1915. GLADNEY MILLING COMPANY. Renewed February 2, 1935, to Fant Milling Company, Sherman, Tex., a corporation of Texas, by change of name.

102,504. PAPER BAGS. Registered February 9, 1915. BADGER BAG & PAPER CO., Wausau, Wis., and Chicago, Ill. Renewed February 9, 1935, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey, assignee.

102,686. BRICKS. Registered February 23, 1915. HOCKING VALLEY PRODUCTS COMPANY, Columbus, Ohio. Renewed February 23, 1935, to The Greendale Brick Company, Greendale, Ohio, a corporation of Ohio, assignee by mesne assignments.

102,704. CERTAIN NAMED INFANTS' AND LADIES' CLOTHING. Registered February 23, 1915. BEST & COMPANY. Renewed February 23, 1935, to Best & Co. Inc., New York, N. Y., a corporation of New York, assignee.

102,768. CERTAIN NAMED FOODS. Registered February 23, 1915. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed February 23, 1935.

102,769. CERTAIN NAMED FOODS. Registered February 23, 1915. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed February 23, 1935.

102,770. CERTAIN NAMED FOODS. Registered February 23, 1915. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed February 23, 1935.

102,783. CORNMEAL. Registered February 23, 1915. CHAS. BROEKER & CO., Owensboro, Ky., a firm. Renewed February 23, 1935.

102,888. A LIQUID AND PASTE POLISH FOR LEATHER. Registered March 2, 1915. BOYER & CO., Philadelphia, Pa., a firm. Renewed March 2, 1935.

102,889. A LIQUID AND PASTE POLISH AND OIL COLORING FOR LEATHER. Registered March 2, 1915. BOYER & CO., Philadelphia, Pa., a firm. Renewed March 2, 1935.

102,928. CANNED VEGETABLES. Registered March 2, 1915. NORFOLK PACKING CO., Norfolk, Nebr. Renewed March 2, 1935, to Norfolk Packing Co., Plattsmouth, Nebr., a corporation of Nebraska.

102,932. STOVE-POLISH AND STRAW-HAT CLEANER. Registered March 2, 1915. UNITED DRUG COMPANY. Renewed March 2, 1935, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

102,982. PREPARATIONS FOR LAXATIVES, BILIOUSNESS, CONSTIPATION, AND HEADACHES. Registered March 9, 1915. RIKER & HEGEMAN CO., New York, N. Y. Renewed March 9, 1935, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

103,015. CHOCOLATES AND CANDIES. Registered March 16, 1915. WALLACE & CO., Brooklyn and New York, N. Y. Renewed March 16, 1935, to Wallace & Co., Brooklyn, N. Y., a corporation of New Jersey.

103,188. CERTAIN NAMED FOODS. Registered March 16, 1915. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed March 16, 1935.

103,251. MACHINE FOR POLISHING, WAXING, SCRUBBING, AND GRINDING FLOORS, AND PARTS THEREOF. Registered March 23, 1915. VACUNA SALES CO., New York, N. Y. Renewed March 23, 1935, to The Kent Company, Inc., Rome, N. Y., a corporation of New York, assignee by mesne assignments.

103,379. SURGICAL APPLIANCES FOR SORES AND FALLING ARCHES. Registered March 30, 1915. CORLISS LIMB SPECIALTY CO., Boston, Mass., an association under a declaration of trust of Massachusetts. Renewed March 30, 1935.

103,385. PHOTOGRAPHIC PORTRAITS. Registered March 30, 1915. HARRIS & EWING, Washington, D. C., a corporation of the District of Columbia. Renewed March 30, 1935.

103,392. WRITING-TABLETS, WRAPPING-PAPER, AND TOILET-PAPER. Registered March 30, 1915. THE MOREY MERCANTILE COMPANY, Denver, Colo., a corporation of Colorado. Renewed March 30, 1935.

103,402. WHEAT-FLOUR. Registered March 30, 1915. THE WABASHA ROLLER MILLS COMPANY, Wabasha, Minn., a corporation of Minnesota. Renewed March 30, 1935.

103,419. FIBER SHEETS, RODS, TUBES, AND DISKS. Registered April 6, 1915. DIAMOND STATE FIBRE CO., Elsmere, Del. Renewed April 6, 1935, to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware, assignee.

103,440. A CERTAIN STYLE OF SOFT NEGLIÉE SHIRT WITH COLLAR ATTACHED. Registered April 6, 1915. FRANKLIN SIMON. Renewed April 6, 1935, to Franklin Simon & Co., Inc., New York, N. Y., a corporation of New York, assignee.

103,577. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered April 6, 1915. THE VAUGHAN PAINT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 6, 1935.

103,605. CERTAIN NAMED LOCKS AND PARTS THEREOF, AND SAFES. Registered April 6, 1915. THE AMERICAN HARDWARE CORPORATION, New Britain, Conn., a corporation of Connecticut. Renewed April 6, 1935.

103,606. CERTAIN NAMED LOCKS AND PARTS THEREOF, AND SAFES. Registered April 6, 1915. THE AMERICAN HARDWARE CORPORATION, New Britain, Conn., a corporation of Connecticut. Renewed April 6, 1935.

103,607. CERTAIN NAMED LOCKS AND PARTS THEREOF, AND SAFES. Registered April 6, 1915. THE AMERICAN HARDWARE CORPORATION, New Britain, Conn., a corporation of Connecticut. Renewed April 6, 1935.

103,644. TRENCHING MACHINERY. Registered April 13, 1915. THE BUCKEYE TRACTION DITCHER COMPANY, Findlay, Ohio, a corporation of Ohio. Renewed April 13, 1935.

103,779. AUTOMOBILES. Registered April 13, 1915. DODGE BROTHERS. Renewed April 13, 1935, to Chrysler Corporation, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

103,787. ALUMINUM WARE. Registered April 13, 1915. THE MASSILLON ALUMINUM CO., Massillon, Ohio, a corporation of Ohio. Renewed April 13, 1935.

103,853. LAGER-BEER. Registered April 20, 1915. THE GOTTLIEB BAUERNSCHMIDT STRAUS BREWING COMPANY. Renewed April 20, 1935, to Globe Brewing and Manufacturing Company, Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

103,883. YARNS OF WOOL, WORSTED, OR HAIR. Registered April 20, 1915. J. AND J. BALDWIN & PARTNERS, LIMITED. Renewed April 20, 1935, to Patons & Baldwins, Limited, Halifax, England, a corporation of Great Britain, assignee.

103,895. CERTAIN NAMED CHEMICAL PREPARATIONS. Registered April 20, 1915. LEONARD A. HARRIS, Newark, N. J. Renewed April 20, 1935.

103,906. CERTAIN NAMED CLOTHING MADE OF TEXTILE MATERIAL. Registered April 20, 1915. THE MANHATTAN SHIRT CO., New York, N. Y., a corporation of New York. Renewed April 20, 1935.

103,966. FERTILIZERS. Registered April 20, 1915. F. S. ROYSTER GUANO CO., Norfolk, Va., a corporation of Virginia. Renewed April 20, 1935.

103,972. CANDY. Registered April 20, 1915. ELIE SHEETZ, Washington, D. C. Renewed April 20, 1935, to Elie Sheetz Candies Co., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

104,073. A LIVER REMEDY. Registered April 27, 1915. THE MARCY COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed April 27, 1935.

104,104. A RESTORATIVE LIQUID-PREPARATION REMEDY AND A TONIC. Registered April 27, 1915. ORGANIC PRODUCTS COMPANY. Renewed April 27, 1935, to Organic Preparations Co. Inc., Brooklyn, N. Y., a corporation of New York, successor.

LABELS

REGISTERED DECEMBER 11, 1934

44,717.—*Title:* TULIP PASTEURIZED PURE CREAMERY BUTTER. For Butter. M. AUGENBLICK & BRO., INC., Newark, N. J. Published September 12, 1934.

44,718.—*Title:* PERFECTFIT. For Footwear. BIRD & SON, INC., East Walpole, Mass. Published October 25, 1934.

44,719.—*Title:* E-ZEE OCA. For Desserts. H. C. BRILL CO., INC., Newark, N. J. Published September 24, 1934.

44,720.—*Title:* PRODUCER-CONSUMER. For Eggs. BENJAMIN BROWN, New York, N. Y. Published August 1, 1934.

44,721.—*Title:* CANANDIAGUA ROYAL STOUT. For Stout. CATARACT BREWING CO., INC., OF ROCHESTER, N. Y., Rochester, N. Y. Published August 1, 1934.

44,722.—*Title:* LADY LILLIAN (BEAUTIFUL SHOES). For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published September 14, 1934.

44,723.—*Title:* CHICAGO WALL PAPER CLEANER. For Wall Paper Cleaner. THE CRESCENT PRODUCTS CO., Terre Haute, Ind. Published October 15, 1934.

44,724.—*Title:* SUWANNEE RIVER DISTILLED DRY GIN. For Distilled Dry Gin. DUVAL MERCANTILE CORPORATION, Jacksonville, Fla. Published October 10, 1934.

44,725.—*Title:* KING MONOGRAM STRAIGHT BOURBON WHISKEY. For Straight Bourbon Whiskey. DUVAL MERCANTILE CORPORATION, Jacksonville, Fla. Published October 10, 1934.

44,726.—*Title:* KING MONOGRAM STRAIGHT WHISKEY. For Straight Whiskey. DUVAL MERCANTILE CORPORATION, Jacksonville, Fla. Published October 10, 1934.

44,727.—*Title:* DIXIE'S OLD "89" BRAND STRAIGHT WHISKEY. For Straight Whiskey. DUVAL MERCANTILE CORPORATION, Jacksonville, Fla. Published October 10, 1934.

44,728.—*Title:* GARDEN OF EDEN FARMS BRAND. For Sweet Telephone Peas. FARM PRODUCTS SALES CO., INC., Hayward, Calif., assignor to Cunha Bros. Co., Hayward, Calif., a corporation of California. Published September 15, 1933.

44,729.—*Title:* WALDORF HARVEST BREW. For Lager Beer. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published October 1, 1934.

44,730.—*Title:* VELVET LAWN SEED. For Lawn Seed. FREDONIA SEED COMPANY, Fredonia, N. Y. Published September 1, 1934.

44,731.—*Title:* HELLMAN'S ORIGINAL OLD CROW BRAND. For Whiskey. THE HELLMAN COMPANY, INC., St. Louis, Mo. Published October 11, 1934.

44,732.—*Title:* RODEO. For Candy. KING CANDY COMPANY, Fort Worth, Tex. Published October 8, 1934.

44,733.—*Title:* CALLIPYGIAN. For Foundation Garments. KOPS BROS., INC., New York, N. Y. Published May 2, 1934.

44,734.—*Title:* KOSHER BEEF BRATEN. For Baked Beef. KOSHER ZION SAUSAGE CO., Chicago, Ill. Published September 6, 1934.

44,735.—*Title:* HOLSUM BREAD. For Bread. THE W. E. LONG CO., Chicago, Ill. Published September 25, 1934.

44,736.—*Title:* SUNSHINE MILKO-MALT. For Crackers. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Published August 20, 1934.

44,737.—*Title:* THE ROYAL LIQUEUR O. V. S. For Scotch Whisky. DOUGLAS MACFARLANE & CO., Glasgow, Scotland. Published July 28, 1934.

44,738.—*Title:* MARVO GAS OIL. For a Gasoline Energizer and Carbon Preventative. MARVO MANUFACTURING COMPANY, Indianapolis, Ind. Published December 12, 1933.

44,739.—*Title:* THOS. MOORE. For Straight Rye Whiskey. THOS. MOORE DISTRIBUTING COMPANY, McKeesport, Pa. Published September 24, 1934.

44,740.—*Title:* SAM BROWN. For Straight Rye Whiskey. THOS. MOORE DISTRIBUTING COMPANY, McKeesport, Pa. Published September 24, 1934.

44,741.—*Title:* TREASURE ISLAND SHOES. For Shoes. MUNICIPAL SHOE CO. INC., Brooklyn, N. Y. Published September 1, 1934.

44,742.—*Title:* NORTH POLE. For Beer. THE NORTH POLE BREWING COMPANY, Fairmont, W. Va. Published October 11, 1934.

44,743.—*Title:* DESTRUCTO FLY AND PEST KILLER. For a Laboratory-Developed Product for Killing Flies, Mosquitoes, Roaches, Ants, and Other Insect Pests. NORRIS PETERSON, Califon, N. J. Published October 28, 1934.

44,744.—*Title:* PFUNDRIN. For Tablets for the Relief of Pain. F. H. PFUNDER, INC., Minneapolis, Minn. Published October 10, 1934.

44,745.—*Title:* JACOB RUPPERT RUPPINER BEER. For Beer. JACOB RUPPERT, New York, N. Y. Published May 12, 1934.

44,746.—*Title:* DOE-RIZE. For Baking Powder. THE SEA GULL SPECIALTY COMPANY, Baltimore, Md. Published November 28, 1932.

44,747.—*Title:* "ROYAL" (2 OZ. SIZE). For Baking Powder. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 19, 1934.

44,748.—*Title:* "ROYAL" (4 OZ. SIZE). For Baking Powder. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 19, 1934.

44,749.—*Title:* "ROYAL" (6—12—16 OZ. SIZES AND 2½ AND 5 LB. SIZES). For Baking Powder. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 19, 1934.

44,750.—*Title:* TENDER LEAF. For Tea. STANDARD BRANDS INCORPORATED, New York, N. Y. Published November 2, 1934.

44,751.—*Title:* LIFE TIME GUARANTEE. For Mattress Covers. SURE-FIT PRODUCTS CO., Philadelphia, Pa. Published October 12, 1934.

44,752.—*Title:* REDUCING OR ENLARGING PANTOGRAPH. For Pantographs. TEXCRAFT TOY PRODUCTS, INC., New York, N. Y. Published January 31, 1934.

44,753.—*Title:* OLD ANGUS. For Scotch Whisky. TRAIN & MCINTYRE, LTD., Glasgow, Scotland. Published June 13, 1934.

44,754.—*Title:* CLIFTON TISSUE. For Toilet Tissue. WESCO FOODS COMPANY, Cincinnati, Ohio. Published July 9, 1934.

PRINTS

REGISTERED DECEMBER 11, 1934

14,934.—*Title:* DREWRYS OCTOBER ALE. For Ale. THE DREWRYS LTD. U. S. A., Chicago, Ill. Published October 3, 1934.

14,935.—*Title:* THE OZONE SHOE. For Shoes. WINGATE KELLEY, Frankfort, Ky. Published February 14, 1934.

14,936.—*Title:* HOCKEY STICK DESIGN CHART. For Hockey Sticks. HERMAS AIMÉ PROULX, Ottawa, Ontario, Canada. Published February 13, 1932.

14,937.—*Title:* NOW-MADE IN INDIANA. For Chows Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published September 20, 1934.

14,938.—*Title:* A COMPLETE FEED IN ONE BAG—FOR MORE EGGS. For Chicken Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published October 4, 1934.

14,939.—*Title:* 100 LBS. OF PIG AND HOG CHOW SAVES 12 BUSHELS OF CORN. For Pig and Hog Feed. RALSTON PURINA COMPANY, St. Louis, Mo. Published September 25, 1934.

14,940.—*Title:* ECCENTRIC PISTONS. For Pistons. TSUNGANI PISTON COMPANY, Tacoma, Wash. Published August 20, 1934.

REISSUES

DECEMBER 11, 1934

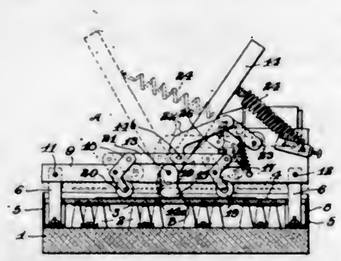
19,392

SWITCH ACTUATING MECHANISM

Charles H. Elliott and Harold K. Elliott, St. Paul, Minn.

Original No. 1,866,594, dated July 12, 1932, Serial No. 384,686, August 9, 1929. Application for reissue September 21, 1932, Serial No. 634,204

8 Claims. (Cl. 200—106)



1. A switch mechanism, comprising a base, a plurality of switch contacts mounted thereon, a slidably mounted plate having a plurality of contacts thereon to register with said switch contacts, a frame mounted above said plate, a pair of bell crank levers mounted on said frame to pivot thereon, a link connecting said bell crank levers, a roller mounted in an end of each of said bell crank levers to roll upon the upper surface of said plate, a handle lever mounted on said frame and connected to said link to operate said levers, a latch member pivotally connected to said bell crank lever and having a transverse portion to engage said lever on an operation thereof to remove said latch member from engagement with said plate, a spring connected to said operating handle to normally draw said operating handle to rotate said bell crank levers and depress said plate, a toggle joint connecting said lever to said frame, an eccentric member mounted beneath said toggle joint to break said toggle joint upon an operation of said eccentric member, and electromagnetic means connected to said eccentric member to rotate said eccentric member and break said toggle joint to release said handle lever for operation by energization of said electromagnetic means.

19,393

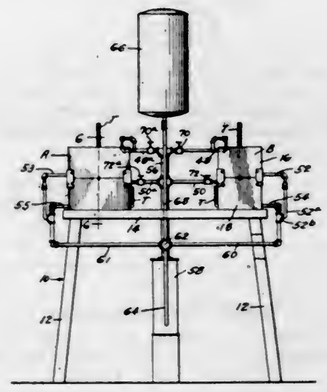
APPARATUS FOR TREATING FOOTBALLS, BASKET BALLS, OR LIKE INFLATABLE BALLS

Benjamin Kozmer, Chicago, Ill.

Original No. 1,938,913, dated December 12, 1933, Serial No. 532,823, April 25, 1931. Application for reissue October 5, 1934, Serial No. 747,110

9 Claims. (Cl. 69—1)

9. An apparatus for treating, forming or shaping an inflatable ball, comprising a pair of complementary sections, each section including an inner wall corresponding in shape to one-half of the outline of the ball to be treated, an outer wall spaced from said inner wall and defining a heating chamber completely surrounding said inner wall, inlet conduits connecting with said sections, outlet conduits connecting with said sections, and a heat generating source, the opposite ends of both series of said conduits connecting with said heat generating source.



19,394

METHOD OF TREATING CHLORATES FOR BLASTING PURPOSES AND PRODUCT THEREOF

Leonid Ivanoff, Helsingfors, and Per Olov Björkman, Tainionkoski, Finland

No Drawing. Original No. 1,899,076, dated February 28, 1933, Serial No. 494,806, November 10, 1930, and in Sweden May 8, 1928. Application for reissue May 12, 1934, Serial No. 725,396

5 Claims. (Cl. 52—12)

5. As a new article of manufacture a chlorate briquette for blasting purposes composed of powdered particles of chlorate cemented together by fine crystalline particles of chlorate forming a solid coherent body of desired porosity such that the pore volume is predetermined and amounts to at least 10% of the total volume of the briquette.

19,395

MEANS FOR ANNULLING THE EFFECT OF STRAY FIELDS ON RADIO RECEIVING SYSTEMS

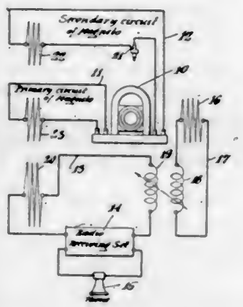
William Arthur Loth, Paris, France, assignor to Societe Industrielle des Procedes W. A. Loth, Paris, France

Original No. 1,753,610, dated April 8, 1930, Serial No. 666,395, October 3, 1923. Application for reissue April 7, 1932, Serial No. 603,889. In France September 7, 1923

12 Claims. (Cl. 250—20)

6. In a magnetic field or electro-magnetic wave receiving system including a loop antenna, an internal combustion engine having a magneto

with primary and secondary winding, an emitting winding arranged in series with one of said



above-mentioned windings of the magneto to induce in the antenna currents which are equal and in opposition to those induced by the current in said last mentioned winding of the magneto.

19,396
FOUNDRY FACING AND METHOD OF MAKING SAME
Benjamin F. Wallace, Brooklyn, N. Y.
No Drawing. Original No. 1,787,964, dated January 6, 1931, Serial No. 326,905, December 18, 1928. Application for reissue January 4, 1933, Serial No. 650,135
12 Claims. (Cl. 22—189)

1. A facing composition for sand molds, comprising a dry mixture containing a major percentage of a carbonaceous dust, the particles thereof being coated with a deflocculating agent and being intimately mixed with a highly colloidal clay of the order of bentonite in its general characteristics and having a dye adsorption figure in excess of 15,000.

PLANT PATENTS

GRANTED DECEMBER 11, 1934

115
HYBRID TEA ROSE
Jason G. Layton, Olean, N. Y.
Application July 15, 1933, Serial No. 680,629
1 Claim. (Cl. 47—61)

A variety of rose as herein shown and described, characterized chiefly by its straw-yellow and amber-yellow colors, its full petallage, thornless upper stem, luxuriant dark green foliage, notable fragrance and superior growing and shipping qualities and freedom from disease.

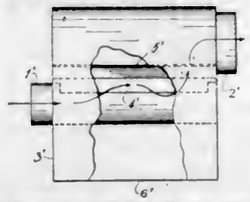
116
ROSE
Lorenzo Pahissa, San Feliu de Llobregat, Spain, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application July 26, 1934, Serial No. 737,123
1 Claim. (Cl. 47—61)

A new and distinct variety of Hybrid Tea rose plant characterized by its great hardiness and disease resistance, as described, and the combination sorrell* and apricot coloring of its flower, as shown.

PATENTS

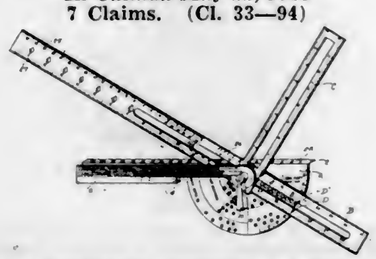
GRANTED DECEMBER 11, 1934

1,983,515
DRAFT DIVERTER
Christian S. Andersen, Warren, Pa., assignor to The Pennsylvania Furnace & Iron Company, Warren, Pa.
Application March 10, 1930, Serial No. 434,680
5 Claims. (Cl. 126—307)



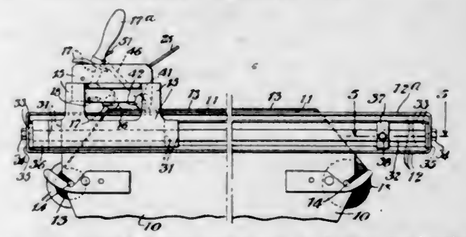
1. A draft diverter of the type described, comprising a casing having an inlet opening and an outlet opening, the axes of said openings being horizontal and the axis of said outlet opening being vertically above the axis of said inlet opening; an entering conduit extending into the casing from said inlet opening; an opening substantially at the top of said entering conduit; a baffle located within the casing substantially above said opening; and a discharge or intake opening substantially at the bottom of the casing; for the purpose set forth.

1,983,516
COMBINED PROTRACTOR, BEVEL GAUGE, AND MITERING SQUARE
Harold Ahola, Portland, Oreg., assignor to Technical Tool Company, a corporation of Oregon
Application February 28, 1934, Serial No. 713,292
In Canada May 22, 1933
7 Claims. (Cl. 33—94)



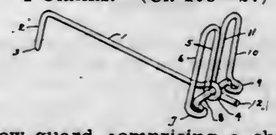
1. In a measuring instrument, a semi-circular data-plate having a straight-edge connected therewith, a ruler which can be set at any angle with respect to the straight-edge, an angle-arm rigidly but movably secured to the ruler to thereby occupy a pre-determined angular position thereto, whereby upon rocking the ruler relative to the data-plate the angle defined by the ruler and the angle-arm may be entered in various positions relative to the straight-edge of the said data-plate, a pair of sight-gauge-members, one of which is provided with a T-shaped projection that passes through and cooperates with a longitudinal slot disposed through the ruler, the other of which is provided with means for connecting said sight-gauge-member to the T-shaped projection of the first mentioned sight-gauge-member, said sight-gauge-members being pivotally secured with respect to the data-plate whereby upon swinging the ruler about its pivot the sight-gauge-members are swung about their pivots, and said sight-gauge-members permitting the angle-arm to be set in various selectively determined relations with respect to the ruler without effecting the longitudinal movement of the ruler with respect to the data-plate.

1,983,517
DUPLICATING MACHINE
Charles H. Bradt, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application February 1, 1934, Serial No. 709,258
9 Claims. (Cl. 101—133)



1. In a duplicating machine, a frame including a horizontally disposed bed, a duplicating medium on the bed, a carriage, means guiding the carriage to reciprocate longitudinally of the bed, an impression roller, shiftable means on the carriage in which said roller is journalled and by which said roller may be raised and lowered relatively to the carriage from and to a position for pressing a sheet against the duplicating medium, adjustable means on the carriage coactive with the frame at both longitudinal sides of the bed in all adjusted positions of said means to support the carriage out of contact with the duplicating medium when said roller is raised by said shiftable means, said adjustable means being adjustable within fixed limits to support the carriage at different levels relatively to the level of the bed and being movable upwardly with the carriage out of carriage-supporting engagement with the frame by movement of said roller into sheet pressing position when said adjustable means is adjusted to the limit at which it will support the carriage at the lowest level with the roller lifted from sheet pressing position, and a single operating handle for adjusting said adjustable means to raise and lower the carriage uniformly and simultaneously at both sides of the bed.

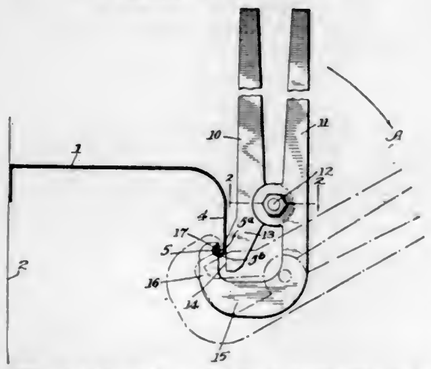
1,983,518
SNOW GUARD
Conrad G. Buedel, Baltimore, Md.
Application May 7, 1934, Serial No. 724,439
4 Claims. (Cl. 108—27)



1. A snow-guard comprising a shank, a plurality of fingers attached thereto, a cross-bar connecting the bases of fingers, and a plurality

of rests extending rearwardly from the cross-bar, the bases of the fingers to resist the turning action of pressure on the fingers and keep the latter comparatively upright.

1,983,519
PLIERS
Roy Choate, Wichita, Kans.
Application June 27, 1932, Serial No. 619,488
Renewed May 8, 1934
4 Claims. (Cl. 81—15)



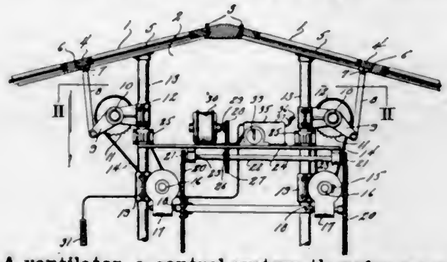
1. Pliers adapted to tighten a wire bead of that type which includes a wire and a bead having a flat portion at one side of the wire and merging into a curved edge which is wrapped concentrically around the wire; comprising a jaw having a flat outer gripping surface, a second jaw, a connection between the jaws, the second jaw extending beyond said connection around the end of the first jaw and terminating in a reversely bent portion overlying the flat gripping surface of the first jaw and providing an opening between the jaws at the end of the reversely bent portion of the second jaw, the inner surface of the reversely bent portion of the second jaw having a transverse curved groove forming a gripping surface cooperating with the flat gripping surface of the first jaw for reception of the wire bead between the jaws, with the flat gripping surface engaging the flat portion of the bead and the grooved gripping surface concentrically engaging the curved portion of said bead, and an operating lever for swinging the jaws as a unit concentrically with the wire of the bead, so that the grooved gripping surface tightly wraps the curved portion of the bead around the wire while the flat gripping surface rides along the bead where its flat portion merges into its curved portion, the operating lever projecting beyond the connection between the jaws in the direction of the reversely bent end of the second jaw.

1,983,520
LAMINATED MATERIAL
William Hale Charch, Buffalo, and Theron G. Finzel, Kenmore, N. Y., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Application April 22, 1931, Serial No. 531,950
27 Claims. (Cl. 154—46)



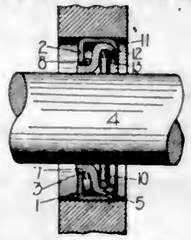
1. A flexible, non-greasy and substantially permanently moistureproof laminated wrapping material comprising a plurality of plies including a sheet or film of metal foil secured by a waxy substance to a moistureproof material consisting of a base coated on both sides thereof with a composition containing a minor proportion of wax.

1,983,521
CONTROLLING MECHANISM, ESPECIALLY FOR GREENHOUSE VENTILATORS
Alfred F. Cooke, Pittsburgh, Pa.
Application May 8, 1933, Serial No. 669,812
1 Claim. (Cl. 236—49)



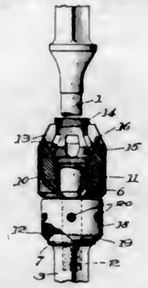
A ventilator, a control system therefor responsive to temperature conditions comprising a motor, a shaft driven by said motor, a control for the motor including a thermostat having electrical contacts for making and breaking a circuit to said motor at predetermined temperatures, said thermostat governing the control to rotate said shaft 180° in the same direction at the making of each contact, a switch comprising a series of contacts, conductor segments mounted by said shaft, a second motor controlled by said segments progressively contacting predetermined groups of said contacts to operate said second motor in alternate directions at each 180° rotation of said shaft, speed reducing means operable by said second motor, and linkage from said speed reducing means to open and close said ventilator.

1,983,522
OIL SEAL
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 30, 1932, Serial No. 649,501
3 Claims. (Cl. 288—1)



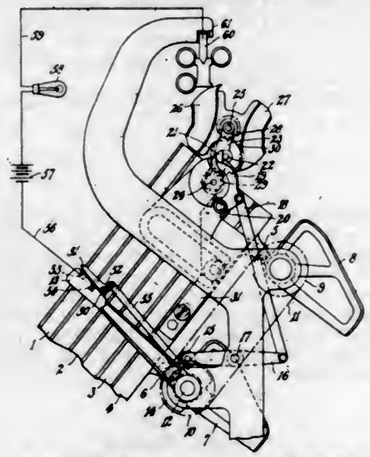
1. In a seal of the character described, the combination of a one-piece cup-shaped cage having a flat cylindrical portion, the peripheral edge of said portion turned toward the center of the cage; a disc-like base to the cage, a central aperture in said disc for passage of a shaft, a bell-shaped packing within said cage having its greater diameter coincident with the inner diameter of the cage, a conical portion of said packing extending to said aperture in close surrounding contact with the shaft, a spring within the packing at the greater diameter thereof and operating with expansive force to press the packing in fluid tight contact with the flat cylindrical portion of the cage and the inturned peripheral edge thereof and a spring surrounding the packing at the smaller diameter thereof and confined in the space between the conical portion of the packing and the base of the cage and operating with contractive force to press the packing in fluid tight contact with the shaft.

1,983,523
SWAB
Erd V. Crowell, Los Angeles, Calif.
Application June 11, 1929, Serial No. 370,022
14 Claims. (Cl. 103—225)



4. In a swab, an integral structure of flexible material comprising a cup with supporting fingers projecting upwardly therefrom and terminating in an annular collar.

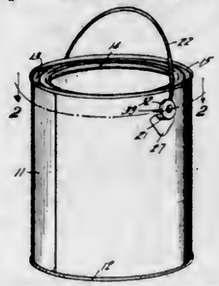
1,983,524
MAGAZINE-CHANGING DEVICE FOR TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINES
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application June 24, 1933, Serial No. 677,432
In Germany September 10, 1932
6 Claims. (Cl. 199—33)



1. In a typographical composing and distributing machine, the combination of distributing mechanism, a plurality of magazines, magazine-shifting means adapted to bring different magazines alternatively into operative relationship with the distributing mechanism, a normally inactive electrically-operated signalling device adapted to indicate the presence of matrices in the distributing mechanism and a switch operable conjointly with the magazine-shifting means to render the signalling device active.

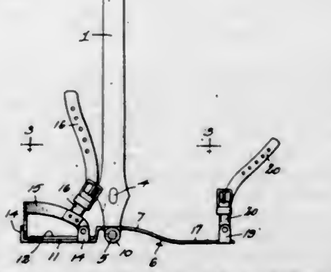
1,983,525
BAIL CONTAINER
James E. Baechle, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 15, 1931, Serial No. 550,960
10 Claims. (Cl. 220—91)

1. A container comprising a body, bail ears permanently secured on opposite sides of said body and having pivot openings and bail slots, said slots being formed in the peripheral contour of the bail ears, and a bail having outwardly hooked ends adapted for insertion through said slots and into said pivot openings, said bail when pivotally engaged in said ears with its hooked ends in said pivot openings affording a carrying han-



dle for said container and when moved to position against said container wall and with its hooked ends out of said pivot openings affording a collapsed, locked and non-carrying bail, the bail ears having means within the same to deflect the hooks into the pivot openings and to obstruct the withdrawal of the hooked ends radially from the bail ears.

1,983,526
LINEMAN'S CLIMBERS
Raymond C. Bailey, Fredericksburg, Va.
Application April 24, 1933, Serial No. 667,745
5 Claims. (Cl. 36—60)

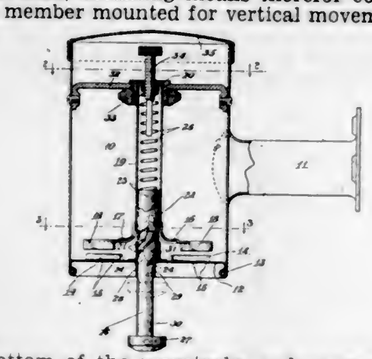


1. In linemen's climbers, the combination of a metal leg strap having a conventional spur, pad and fastening strap, a cylindrical stirrup on the lower end of the leg strap, a foot plate mounted for free pivotal movement on the stirrup, said foot plate extending under the instep, the entire bottom surface of the heel and the major portion of the sole of the boot or shoe.

1,983,527
SOAP DISPENSER
George L. Bennett, Terre Haute, Ind.
Application March 18, 1933, Serial No. 661,472
8 Claims. (Cl. 146—61)

1. A soap dispenser embodying therein a receptacle, a bottom therefor having a plurality of upwardly directed projections and a plurality of widely dispersed openings therethrough intermediate said projections, an agitator within said

receptacle adjacent said projections and mounted to have rotary movement in a plane parallel with said bottom, actuating means therefor comprising a member mounted for vertical movement in



the bottom of the receptacle, and co-operating members carried by the agitator and by said vertically movable member, and means exposed exteriorly of said bottom operative upon said vertically movable member.

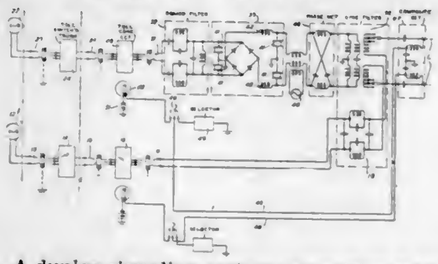
1,983,528

CARRIER LINE SYSTEM

Harold S. Black, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 7, 1933, Serial No. 701,268

4 Claims. (Cl. 179—43)



1. A duplex signaling system comprising a high frequency transmission line connecting stations adapted for connection to subscribers' lines, a bi-directionally conducting modulator-detector device at each station connected between said transmission line and a subscribers' line, each of said devices serving as a modulator for signals passing from the respective subscriber's line to said high frequency transmission line and as a detector for signals passing in the other direction through the device, and a source of carrier current connected to the modulator-detector device at one only of said stations, said source supplying carrier current to said one device and over said transmission line to said device at the distant station.

1,983,529

METHOD OF PRODUCING SHEETS OR FILMS OF REGENERATED CELLULOSE

Jacques Edwin Brandenberger, Neuilly-sur-Seine, France, assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 16, 1932, Serial No. 593,416. In France July 11, 1931

3 Claims. (Cl. 18—57)

1. A method of producing sheets or films of regenerated cellulose of substantially uniform moisture content which comprises drying the sheet or film containing moisture considerably in excess of 10% by weight of the cellulose until the moisture content thereof is less than 10% by weight of the cellulose and then quickly increasing the moisture to approximately 10% by weight of the cellulose.

1,983,530

TISSUE FOR CIGARETTES

Jacques Edwin Brandenberger, Neuilly-sur-Seine, France, assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware

Application April 25, 1932, Serial No. 607,360

4 Claims. (Cl. 131—36)



1. A tissue in which tobacco is wrapped to form a cigarette comprising a transparent sheet or film of regenerated cellulose less than 0.02 mm. in thickness and free of softener.

1,983,531

MANUFACTURE OF SHEETS OR FILMS OF REGENERATED CELLULOSE

Jacques Edwin Brandenberger, Neuilly-sur-Seine, and Charles Victor Emmanuel Duplessis, Courbevoie, France, assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 25, 1932, Serial No. 607,492

1 Claim. (Cl. 18—57)

In a continuous method of preparing purified sheets or films of regenerated cellulose less than 0.02 mm. in thickness, the step which comprises extruding a viscose solution prepared from green alkali cellulose and containing 4% cellulose and having a viscosity of 15 to 35 seconds through a slot in which the lips are spaced to permit the production of films having a thickness of at least 0.02 mm. when a viscose solution containing 7% to 8% cellulose is extruded therefrom into a coagulating bath, regenerating the film and purifying said film.

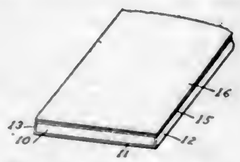
1,983,532

WALL BOARD

Norman A. Brand, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application October 10, 1931, Serial No. 568,107

5 Claims. (Cl. 154—45.9)



1. A wall board adapted to be installed directly upon supporting members and furnish a finished decorative scheme upon installation, comprising a plaster core, a resilient, water-resistant facing therefor, and a plurality of decorative tiles mounted upon said facing and secured thereto.

1,983,533

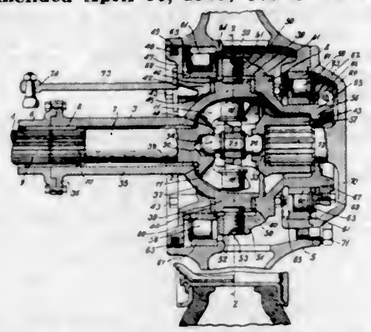
WHEEL MOUNT FOR VEHICLES

Robert F. Brown, Baltimore, Md.

Application December 31, 1931, Serial No. 584,229

21 Claims. (Cl. 180—43)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a mechanism of the class described, a stationary axle housing having a parti-spherical outer surface from which project external diametrically opposite upwardly and downwardly extending co-axial trunnions, an oscillating spindle member swiveled on said trunnions and having an inward extension encircling said surface and terminating in a vertical plane, a grease seal ring carried by said extension and engaging said surface, a wheel rotatably mounted on the oscillating spindle having its tread in vertical alignment with said trunnions, a drive shaft, and means for driving the wheel from said shaft, including a universal joint of a constant velocity type arranged substantially within the stationary housing, said universal joint being balanced upon the trunnion axis so as to be uniformly effective throughout the range of swing of the movable spindle.

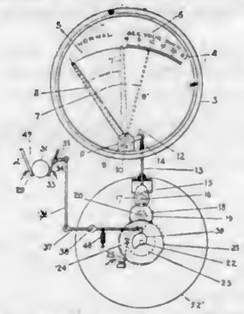
1,983,534

DIAGNOSTIC METHOD AND APPARATUS

John P. Buckley, Washington, D. C.

Application July 30, 1932, Serial No. 626,823

6 Claims. (Cl. 128—2)



1. Diagnostic apparatus comprising an indicator having an arcuate shaped scale divided into two portions, a pair of indicators pivotally mounted adjacent each other on one side of said scale and operative thereover, means for imparting oscillatory movement to one of said indicators over one portion of said scale at a rate determined by the normal average heart beats, and means actuated by the heart beats of a patient for oscillating the other of said indicators with respect to both portions of said scale whereby the degree of departure of the functioning of the patient's heart from normal may be detected.

1,983,535

PROCESS OF PRODUCING TETRA ALKYL LEAD

William S. Calcott, Pennsgrove, and Alfred E. Parmelee, Carneys Point, N. J., and Joseph L. Stecher, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 28, 1931, Serial No. 526,127

20 Claims. (Cl. 260—11)

1. In the process of making tetra alkyl lead by the reaction of alkyl chloride and lead monosodium alloy, the step which comprises first reacting with the alloy a small increment of the theoretical amount of the alkyl chloride required for complete reaction with the alloy present, and then adding to the alloy the required amount of alkyl chloride for complete reaction.

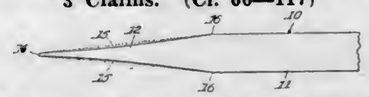
1,983,536

KNITTING PIN POINT

Gustav A. Carlson, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois

Application June 15, 1933, Serial No. 675,994

3 Claims. (Cl. 66—117)



1. A knitting pin point or the like comprising a body having its end portion tapering downwardly and inwardly to form a continuous concave inclined surface terminating in a rounded point extremity.

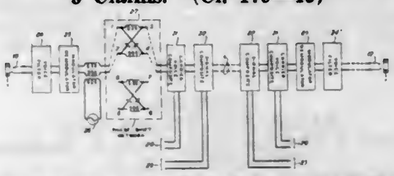
1,983,537

CARRIER CURRENT SIGNALING SYSTEM

Roy W. Chesnut, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 7, 1933, Serial No. 701,267

3 Claims. (Cl. 179—43)



1. In a carrier wave transmission system a line connecting separated stations, a demodulator at one station, a modulator at the other station, a source of carrier waves at said one station supplying carrier waves to both said demodulator and said modulator, and a phase shift network in the line for building out the line to a total phase shift substantially equal to one-quarter wavelength of the carrier wave or an integral multiple thereof.

1,983,538

AUTOMATIC DEVICE FOR STOPPING AIR LEAKAGE AROUND VALVES

Rufus L. Clifton, Luke Field, Territory of Hawaii

Application September 6, 1933, Serial No. 688,365

6 Claims. (Cl. 123—188)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

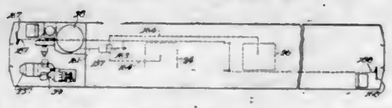
1. The combination of a valve stem and guide of an engine, the valve stem in said guide, and a spring for said valve stem, of a packing there-

for comprising an adjustable retainer and a split washer provided therein embracing said valve



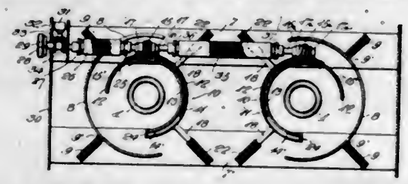
stem, the split of said washer being circular arcuate shaped.

1,983,539
STEAM PROPELLED RAILWAY VEHICLE
Gustaf W. Engstrom, Riverside, Ill., Clyde B. Faverty, Hammond, Ind., and Earl C. Walker, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 7, 1930, Serial No. 466,084
27 Claims. (Cl. 105—37)



1. In a self propelled railway car, a wheeled body, a steam generator including a fuel oil burner and circulating coils, a separating and storage drum connected to the coils, an engine having a drive shaft direct connected for driving the car, a steam connection from the top of the drum to the engine, a condenser carried by the body, an exhaust steam connection from the engine to the condenser, a connection for delivering condensate water from the condenser, a hot well for storage of the condensate delivered from the condenser, a water pump having intake and outlet valves adapted to draw water from the hot well and force the same under pressure into the circulating coils, and means operating to hold the valves open for rendering the pump ineffective when the water level in the hot well decreases to a predetermined level, and operating to permit normal action of said valves for again rendering the pump effective when the water level in the hot well is raised.

1,983,540
BALANCING CONDENSER
Louis A. Gebhard and Corrie F. Rudolph, Washington, D. C.
Application April 8, 1933, Serial No. 665,182
17 Claims. (Cl. 250—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A balancing condenser comprising in combination with a fluid cooled metallic jacket for an electron tube, a semi-cylindrical capacity area supported in spaced relation to said metallic jacket, a fixed capacity area of substantially semi-cylindrical contour concentrically disposed with respect to the aforesaid capacity area and spacially related thereto, the concave sides of said semi-cylindrical capacity areas directly facing each other, said last mentioned fixed capacity area being electrically connected with said metallic jacket, and means for changing the effective area of one of said capacity areas.

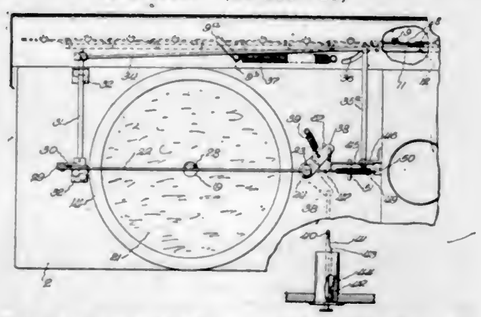
1,983,541
MANUFACTURE OF ACETIC ANHYDRIDE
Harry Hepworth, Cheam, and Fred Davison Leicester, St. Helens, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 7, 1930, Serial No. 466,348. In Great Britain July 4, 1929
4 Claims. (Cl. 260—123)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. The method of manufacturing acetic anhydride which comprises the separation of water from a vapor containing acetic anhydride, acetic acid and steam by contacting the mixed vapors at a temperature above the boiling point of the acetic anhydride with a solid adsorbent, expelling a portion of the acetic acid from the adsorbent, thereafter expelling the mixture of the anhydride and acid from the adsorbent, and then separating the acetic anhydride from the mixture.

1,983,542
PREPARATION OF ALKYL HALIDES
Lee Cone Holt, Edge Moor, and Herbert Wilkens Daudt, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1932, Serial No. 625,194
14 Claims. (Cl. 260—162)

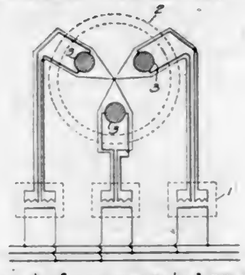
1. The process of producing an alkyl halide which comprises reacting an alkyl alcohol with a hydrogen halide in the presence of a solution of a metal halide catalyst for the reaction, maintained at reaction temperature and having a concentration below the equilibrium concentration at said temperature.

1,983,543
SHUTTER OPERATING MECHANISM
Frank P. Illsley, Norton Township, Muskegon County, Mich.
Application September 28, 1931, Serial No. 565,497
19 Claims. (Cl. 236—35)



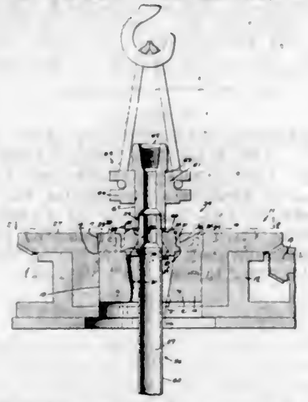
1. In an automobile, in combination with an internal combustion engine and a cooling system therefor including a radiator, shutters at one side of the radiator for regulating flow of air therethrough and yieldingly urged in closing direction, thermo-responsive means for opening the shutters, and means supplemental to the thermo-responsive means for optionally automatically accelerating closing of the shutters.

1,983,544
ARRANGEMENT FOR SUPPLY OF CURRENT TO ELECTROTHERMIC MELTING FURNACES
Hildor Ingelsrud, Oslo, Norway, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway
Application February 13, 1932, Serial No. 592,855
In Norway February 13, 1931
4 Claims. (Cl. 13—12)



1. Arrangement of compensated current supply for electric multi-phase furnaces with star connection and with the electrodes arranged in equilateral triangle, characterized by the fact that the three phases are compensated all the way to a point within a circle through the electrodes.

1,983,545
ROTARY WELL DRILLING APPARATUS
Arthur E. Johnson, Southgate, Calif., assignor, by direct and mesne assignments, of thirty per cent to Hazard & Miller, Los Angeles, Calif., a firm composed of Herman Miller and Fred H. Miller, and twenty-five per cent to J. F. D. Withrow, Los Angeles, Calif.
Application December 25, 1930, Serial No. 504,661
25 Claims. (Cl. 255—28)

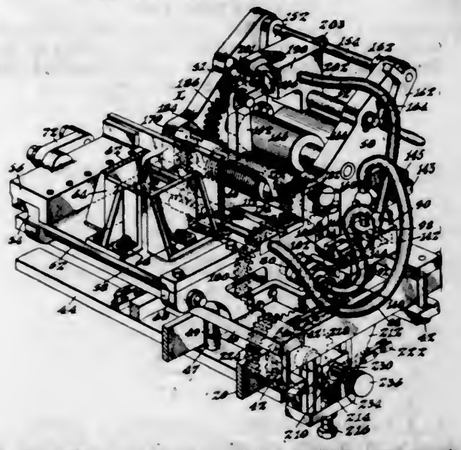


1. A well drilling apparatus comprising in combination a string of drill pipe having a structure with a lower sloping suspension shoulder, the slope converging downwardly and inwardly toward the axis of the drill string, and having an upper elevator shoulder transverse to the drill string, a rotary table having a spider therein and having tiltable suspension lugs, said suspension lugs having a sloping surface to engage the suspension shoulder and to suspend the drill string in the well, the mounting of the suspension lugs in the spider having a construction providing a surface to transmit a vertical downward pressure and a surface to transmit a lateral pressure both of said surfaces being contiguous and adjacent the point of tilting, the said lugs being tiltable to provide a passage through the said spider, a kelly bushing fitting in said spider, and a kelly extending through said latter bushing.

1,983,546
METHOD OF FUMIGATING SOILS AND COMPOUND FOR USE THEREIN
Maxwell O. Johnson, Wahiawa, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
No Drawing. Application October 23, 1929, Serial No. 401,984
9 Claims. (Cl. 167—39)

1. A method of stimulating plant growth which consists of injecting liquid chloropicrin into and beneath the surface of the soil, permitting the chloropicrin to vaporize in the soil, and retarding the escape of the chloropicrin vapors from the soil by means of a substantially impervious covering laid upon the surface of the soil substantially above the point of injection whereby the chloropicrin is rendered available as a plant growth stimulant for a protracted period of time.

1,983,547
BOX MAKING MACHINE
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application September 24, 1931, Serial No. 564,803
39 Claims. (Cl. 93—36)

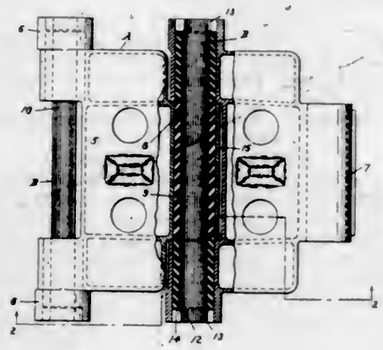


1. In a box-making machine, setting-up mechanism, a conveyor for advancing blanks to the setting-up mechanism, sheet-applying mechanism acting upon the blanks during their advance by the conveyor, and means for operating the setting-up mechanism, conveyor and sheet-applying mechanism in constant definitely timed relation.

1,983,548
TRACK FOR TRACKLAYING VEHICLES
Harry A. Knox, Davenport, Iowa, and Charles Hiller, Jr., St. Louis, Mo.
Application February 6, 1933, Serial No. 655,444
1 Claim. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

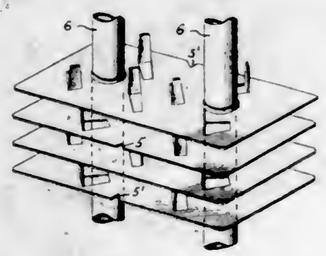
In a track for track-laying vehicles, a series of shoes, each shoe comprising a body having alternately arranged undivided bearings on opposite ends, the bearings of adjoining shoes being

interfitting, a bushing for each bearing consisting of an internally serrated tube and a rubber sleeve vulcanized to the tube, said bushing inserted in a bearing by compressing the rubber sleeve, a link pin inserted axially through aligned



bushings for coupling adjoining shoes, and serrations on the link pin engageable with the internally serrated tubes of the bushings for maintaining selectively predetermined angular positions of assembly of the shoes.

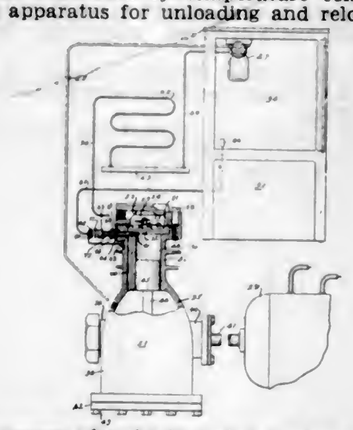
1,983,549
RADIATOR FIN
Hermann J. Krackowizer, Chicago, Ill., assignor to Refrigeration Appliances, Inc., Chicago, Ill.
Application May 10, 1933, Serial No. 670,338
2 Claims. (Cl. 257—262)



1. A radiator element including a plurality of tubes and plates extending around at least two tubes, each plate having punched out lugs and the lugs being unsymmetrically arranged on either half of a plate whereby when said plate is turned 180° and fitted to its adjacent plate, the punched out lugs will each rest against and be covered by the solid part of its adjacent plate, said lugs being narrower at their outer ends than at the ends where the lugs join the plate.

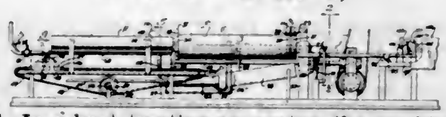
1,983,550
REFRIGERATING APPARATUS
Ralph L. Lee, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application November 24, 1930, Serial No. 497,715
Renewed November 1, 1933
20 Claims. (Cl. 62—115)

5. A refrigerating apparatus comprising an object to be cooled, a constantly running motor, a compressor, a condenser and an evaporator, and means controlled by temperature conditions in said apparatus for unloading and reloading the



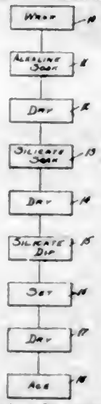
compressor whereby to maintain a uniform temperature.

1,983,551
HEAT-TREATING APPARATUS
Axel N. Lindberg, Evanston, Ill.
Application December 19, 1932, Serial No. 647,938
Renewed February 28, 1934
22 Claims. (Cl. 266—4)



1. In a heat-treating apparatus, the combination of a furnace open at both ends adapted to receive therein a shaft, a jig for receiving the shaft disposed opposite the opening at one end of the furnace, and a combined ejector-nozzle movable through the opening at the opposite furnace end for pushing the shaft into the jig and there applying a quench to the shaft.

1,983,552
ARC WELDING ELECTRODE AND METHOD OF MAKING THE SAME
Marcy L. Luckenbaugh, Berkeley, Calif., and Thomas D. Radcliffe, Brookville, Pa., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 23, 1929, Serial No 349,313
18 Claims. (Cl. 219—8)

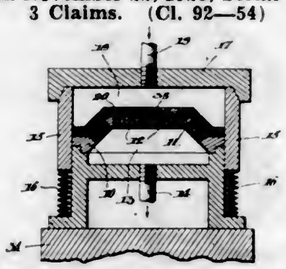


11. A welding electrode comprising a metallic core having a purified cotton sleeving thereon

saturated and covered with a dense, glassy, moisture free silicate.

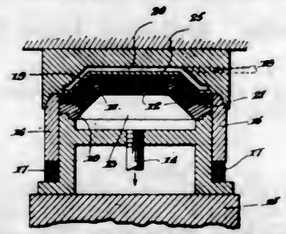
12. In a method of making welding electrodes, the steps of covering metallic welding rods with tubular cotton sleeving free from starch and sizing, impregnating the sleeving with sodium silicate, and then removing substantially all moisture from said impregnated sleeve.

1,983,553
APPARATUS FOR THE PRODUCTION OF PRESSED FIBROUS ARTICLES
George James Manson, Hawkesbury, Ontario, Canada
Application November 22, 1928, Serial No. 321,231
3 Claims. (Cl. 92—54)



1. Apparatus for the production of thin pressed fibrous articles comprising an unheated perforated die, means for pressing the article therein, means for simultaneously with said pressing operation establishing an air current transversely through the article and die, means for subsequently subjecting the article to a further drying action by heat and actual mechanical pressure between dies, and suction means for exhausting the vapor generated in said last mentioned heating and pressing operation.

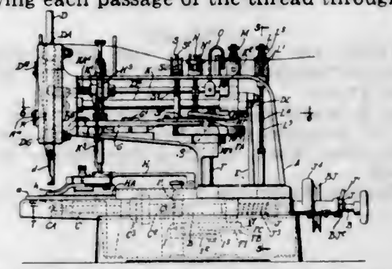
1,983,554
PROCESS AND APPARATUS FOR FINISHING PRESSED FIBROUS ARTICLES
George James Manson, Hawkesbury, Ontario, Canada
Application November 22, 1928, Serial No. 321,232
5 Claims. (Cl. 92—54)



1. The herein described method which comprises subjecting a preformed thin and partially dry, wet molded, pressed, fibrous article to a calendering operation at relatively high temperature and substantial pressure and exhausting by suction the vapor generated in said operation, then subjecting the article to a further calendering operation between smooth faced dies.

1,983,555
METHOD OF AND APPARATUS FOR FORMING GROUP STITCHES
Michael McCann, Glen Morris, N. Y., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J., a corporation of New Jersey
Application October 12, 1931, Serial No. 568,318
10 Claims. (Cl. 112—110)

1. In forming a group of stitches, the method which consists in first passing the end of a thread and thereafter passing adjacent loop portions of said thread successively through the work from one side, expanding each such loop at the other side of the work and interlocking it with the following loop passed through the work, holding the thread at a point on the first mentioned side of the work against movement toward the work during the passage of the thread end through the work and thereafter until the initial loop subsequently passed through the work has been expanded, subjecting the portion of the thread between said point and the work to a take up action following each passage of the thread through the

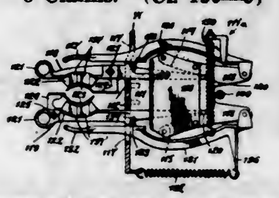


work whereby in expanding each loop subsequent to said initial loop thread is drawn into the expanded loop from the previously formed loop and the latter is tightened, subjecting the said thread portion to a supplemental take up action increasing the amount of thread drawn back through the work following the initial passage of the thread end through the work and prior to the passage of said initial loop through the work, thereafter holding said thread end against further movement back through the work, and utilizing the thread drawn back through the work by said supplemental take up action in the expansion of said initial loop.

1,983,556
TREATMENT OF PERISHABLE MATERIALS FOR FIXATION
Hughbert W. M. McCrabbe, Los Angeles, Calif., assignor to International Vitacrine Laboratory Corporation, New York, N. Y.
No Drawing. Application January 25, 1932
Serial No. 588,821
4 Claims. (Cl. 99—11)

1. The infusion process of fixing the contents of cells of a fresh product having membranes thereover which comprises placing a syrup in contact with the membranes to extract the juice from said product and thereby producing an extraneous resultant liquid and continuously removing said resultant liquid before permeation of said cells by said liquid.

1,983,557
CORN CUTTER
John C. McIntyre, St. Petersburg, Fla., assignor to Sprague-Sells Corporation, Hoopeston, Ill., a corporation of Delaware
Application June 11, 1930, Serial No. 460,366
8 Claims. (Cl. 130—9)



1. In a machine of the character described, a support, a pair of cutter arms insertable longi-

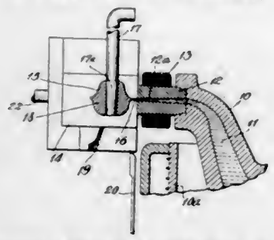
tudinally in said support and bearing at one end against said support, a knife carried by each of said cutter arms, means for conveying an ear of corn between said knives to sever the kernels therefrom, a pair of presser arms each independently pivoted at one end to said support adjacent said bearings, said presser arms extending along parallel with said cutter arms and the free ends of said presser arms bearing against the outer sides of the free ends of said cutter arms and means for yieldingly holding said presser arms together.

1,983,558

METHOD OF MOLDING OR DIE CASTING PREDETERMINED ARTICLES OF MANUFACTURE

Louis H. Morin and Davis Marinsky, New York, N. Y., assignors to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application December 7, 1933, Serial No. 701,291
15 Claims. (Cl. 22—200)



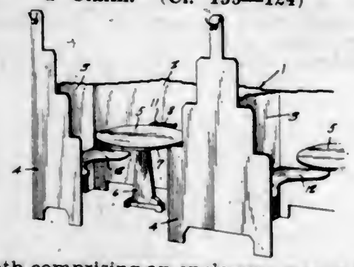
1. The herein described method of forming a successive series of similar castings which comprises supporting relatively movable forming die parts into abutting relation with respect to each other with a core member disposed therebetween and entering the mold chamber of the die parts, moving the die parts toward and from each other in a horizontal plane and moving the core member in a plane vertically transversing the plane of movement of said die parts, introducing molding material into said die parts under pressure to form on that part of the core member within said mold chamber a cast body of predetermined contour, then separating the die parts to eject said body therefrom by said core, and then moving the core transversely of the die parts to feed the cast body out of alinement with the path of movement of the die parts to permit the next successive casting operation.

1,983,559

BOOTH

Frank A. Noll, Sr., Pittsburgh, Pa.

Application November 7, 1933, Serial No. 697,037
1 Claim. (Cl. 155—124)



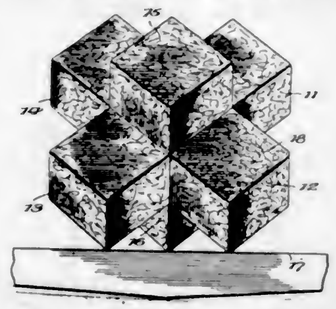
A booth comprising an enclosure, means to permit entrance thereto, a table arranged centrally of the enclosure, the table top being formed such that each one of a number of persons grouped therearound may be substantially diagonally opposite to another person, seats supported by the enclosure, the edges of the seats adjacent the table having a configuration corresponding to that of the table top.

1,983,560

FIRE KINDLER BRIQUETTE

Charles Skeele Palmer, Pittsburgh, Pa., assignor of two-thirds to Jacob Gold, Pittsburgh, Pa.

Application May 20, 1932, Serial No. 612,582
3 Claims. (Cl. 44—41)



1. A fire kindling briquette comprising a substantially solid body of readily combustible material having a substantially cubical center provided with cubical extensions projecting laterally from each face thereof.

1,983,561

SELENO-ANTHRAQUINONE COMPOUND AND PROCESS OF PREPARING THE SAME

Melvin A. Perkins, Milwaukee, Wis., and Oakley Maurice Bishop, deceased, late of Wilmington, Del., by Eva P. Bishop and Wilmington Trust Company, executors, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1932, Serial No. 627,222
17 Claims. (Cl. 260—59)

6. As a new product, a 2,2'-diamino-dianthraquinonyl-diselenide.

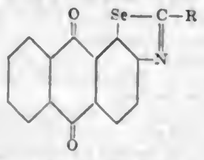
1,983,562

ANTHRAQUINONE - SELENAZOLES AND PROCESS OF PREPARING SAME

Melvin A. Perkins, Milwaukee, Wis., and Oakley Maurice Bishop, deceased, late of Wilmington, Del., by Eva P. Bishop and Wilmington Trust Company, Wilmington, Del., executors, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1932, Serial No. 627,223
21 Claims. (Cl. 260—44)

1. A vat dyestuff of the anthraquinone series comprising a compound of the general formula:



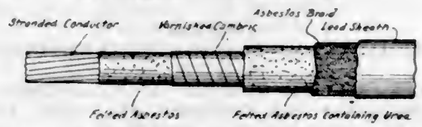
wherein R is an organic radical.

1,983,563

INSULATED ELECTRICAL CONDUCTOR

Beauford H. Reeves, New Haven, Conn., assignor to Rockbestos Products Corporation, a corporation of Massachusetts

Application April 21, 1932, Serial No. 606,617
10 Claims. (Cl. 173—264)



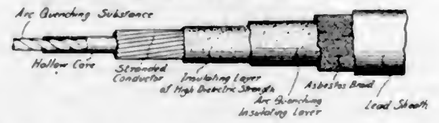
7. An insulated electrical conductor comprising a metallic conductor surrounded by an insulating medium containing urea admixed with a starch-containing substance capable of increasing the cohesion between the particles of urea at temperatures above the melting point of urea.

1,983,564

INSULATED ELECTRICAL CONDUCTOR

Beauford H. Reeves, Pine Orchard, Conn., assignor to Rockbestos Products Corporation, a corporation of Massachusetts

Application December 16, 1932, Serial No. 647,533
6 Claims. (Cl. 173—264)



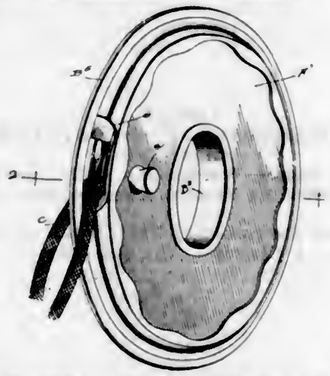
1. An insulated electrical conductor having a hollow core substantially filled with a fibrous material impregnated with an arc-extinguishing compound.

1,983,565

CORD REEL AND METHOD OF MAKING THE SAME

Daniel Benson Replogle, Berkeley, Calif., assignor to Citizens Trust Company of Toledo, Ohio, a corporation of Ohio, as trustee

Application November 12, 1930, Serial No. 495,223
11 Claims. (Cl. 242—97)



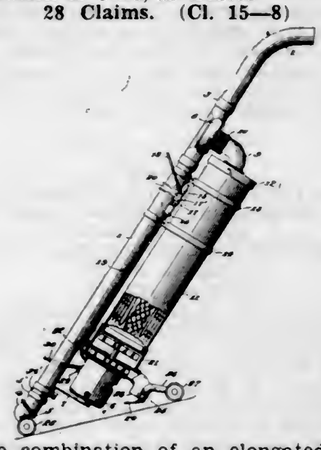
1. The herein described method of making a reel having a flanged spool and a casing, which comprises cutting the rear flange of the spool from a blank along a sinusoidal line, and assembling the parts of the spool and casing with the front casing member comprising the remaining portion of the blank, the scallops on the inner edge of the opening in the front casing member enclosing and overlapping the outer edge of the front flange of the spool.

1,983,566

AIR-METHOD CLEANER

Daniel Benson Replogle, Berkeley, Calif., assignor to Citizens Trust Company of Toledo, Ohio, a corporation of Ohio, as trustee

28 Claims. (Cl. 15—8)



1. The combination of an elongated support with a circuit controller comprising a movable element slidably mounted on said support and wholly outside of the support, and an operating member for said movable element, said operating member comprising a band embracing and movable on said elongated support.

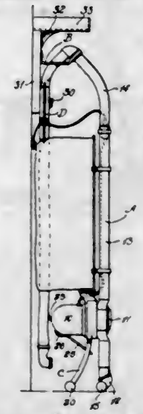
10. A cleaner comprising a tool, means for creating a current of air through said tool, an electric motor for driving said means, said motor having a conductor connection for current supply and an additional conductor connection for an independent current consuming device, an independent current consuming device cooperating with the tool and having means for detachable connection to the exterior of the tool, and a conductor for detachable connection to said additional conductor connection.

1,983,567

SUPPORT FOR AIR-METHOD CLEANERS

Daniel Benson Replogle and Harold Ellis Queen, Berkeley, Calif., assignors to Citizens Trust Company of Toledo, Ohio, a corporation of Ohio, as trustee

Original application April 9, 1932, Serial No. 604,246. Divided and this application January 6, 1933, Serial No. 650,550
5 Claims. (Cl. 15—16)



1. A suction cleaner having a fixed frame portion, and a floor tool, and means cooperating with

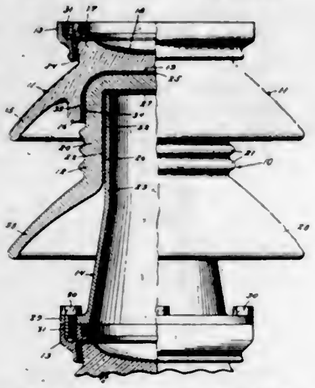
the floor tool for supporting the cleaner in various adjusted positions, said means comprising a bracket hingedly secured to the frame and including a cross arm, and a resilient arm also carried by said frame but mounted at a position remote from the bracket hinge, said resilient arm extending over and pressing against said cross arm, for normally holding said bracket in one adjusted position and having a hooked portion adapted to engage said cross arm for holding the bracket in another adjusted position.

1,983,568
CANDY PRODUCT AND PROCESS
Reed W. Robinson and Andrew Olsen, Jr., San Francisco, Calif.
No Drawing. Application May 10, 1933, Serial No. 670,308
6 Claims. (Cl. 99—16)

1. The process of making a candy product which comprises cooking together the ingredients to normally make a soft candy body, cooling and creaming the mass while controlling the granulation thereof to produce a fine smooth texture, and thereafter drying and reducing the product to a fine state of division, and which final product is adapted to be reconstituted into a soft smooth textured candy body upon simple melting with water and heat and thereafter cooling the mass without a creaming or graining step.

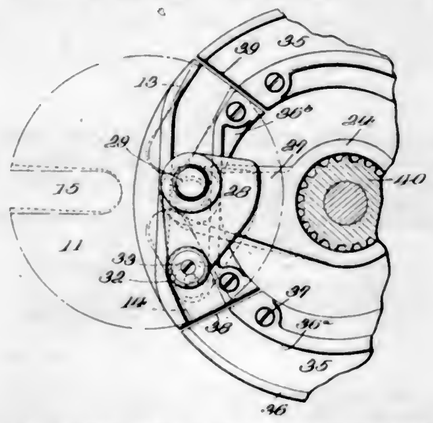
5. A new article of manufacture comprising a candy product consisting of a fudge-type pregrained smooth textured candy body in substantially dry powder form adapted to be reconstituted into a smooth textured fudge-type candy body upon remelting with water and heat and again cooling without a creaming or graining step.

1,983,569
PEDESTAL SWITCH INSULATOR
Davidge H. Rowland, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application April 24, 1931, Serial No. 532,625
1 Claim. (Cl. 173—318)



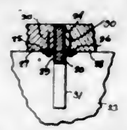
An insulator comprising a stack of similar units adapted to be mounted in superposed contacting relation, each unit comprising a top shell of porcelain with a stem having a metal cap secured thereupon, each unit further including a lower porcelain shell having an upstanding stem cemented within a cavity in the top shell, each unit further including a hollow metal pin with an outstanding base flange and having its upper end cemented within a cavity in said lower shell, metallic layers within the first named cavity and upon the second named stem spaced apart with the cement therebetween and providing capacitance means for grading the stack, and a metallic layer against the inner surface of the lower shell spaced from and coacting with the metallic pin to provide capacitance.

1,983,570
INTERMITTENT MOTION TRANSMITTING DEVICE
Otto A. Schmitt, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 24, 1933, Serial No. 699,601
5 Claims. (Cl. 74—436)



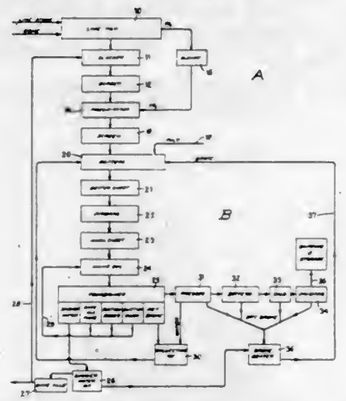
1. An intermittent motion transmitting device comprising a member to be intermittently rotated, a driving wheel attached thereto and having radially extending slots opening at the periphery of the wheel, a continuously rotating member, an arm rotating therewith, means movably carried by said arm and projecting laterally therefrom, a roll mounted on said laterally projecting means and adapted to move in succession into said radial slots for imparting intermittent rotation to said wheel, and means whereby the laterally projecting position of said roll supporting means may be shifted toward and from the center of said wheel while imparting motion thereto.

1,983,571
SHELVING-BRACKET AND SYSTEM OF SHELVING
Walter L. Slater, Watsonville, Calif., assignor to Slater Shelving System, a corporation of California
Application December 15, 1932, Serial No. 647,459
4 Claims. (Cl. 248—18)



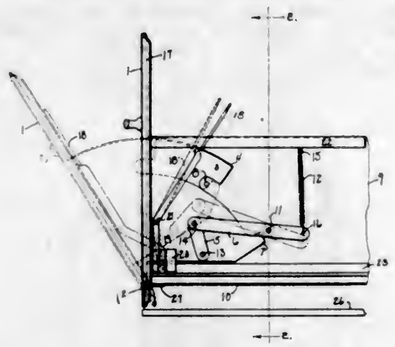
1. A bracket comprising blade-like vertical and horizontal limbs, a saddle member of inverted U-shape carried by the horizontal limb with the upper end of the saddle resting on the limb, and lateral flanges on the lower side edges of the saddle member adapted for the support of shelf-board ends with the upper edge of the saddle and shelf-boards in the same horizontal plane.

1,983,572
PAPER AND PROCESS OF AND APPARATUS FOR MAKING THE SAME
Noel Statham, Irvington, N. Y., and Thomas G. Leek, Covington, Va., assignors to Industrial Chemical Sales Company, Inc., New York, N. Y., a corporation of New York
Application March 8, 1933, Serial No. 659,990
7 Claims. (Cl. 92—21)



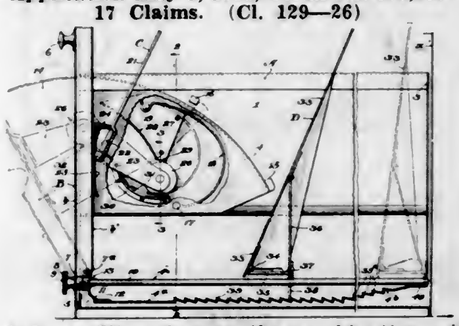
1. A method of making paper which comprises introducing into fibrous cellulosic material prior to formation therefrom of a completed sheet of paper a substance comprising a salt of the group composed of calcium carbonate and calcium sulfite in its original suspension as freshly precipitated by a gas.

1,983,573
FILING DRAWER
Frederick L. G. Straubel, Green Bay, Wis., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio
Application April 15, 1932, Serial No. 605,397
23 Claims. (Cl. 129—26)



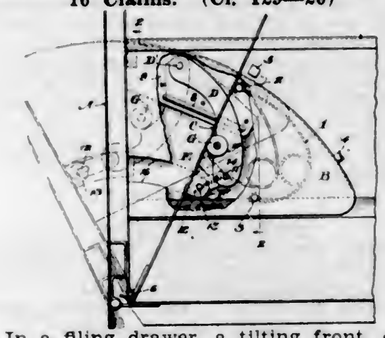
23. A filing drawer including a drawer body, a tilting front therefor, a compressor mounted on a pivot remote from the point about which the tilting front moves and located between the said tilting front and the filing space within the drawer body, and means effective upon the closing movement of the tilting front to move the compressor inwardly beyond a vertical plane intersecting its pivot to compress the drawer contents.

1,983,574
FILING DRAWER
Frederick L. G. Straubel, Green Bay, Wis., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio
Application May 9, 1933, Serial No. 670,180
17 Claims. (Cl. 129—26)



4. In a filing drawer, the combination with a tilting front having an opening, of a guide card locking rod, a bracket carried by the bottom of the drawer and having means for detachably holding said rod in the drawer, and a knob on the rod having a finger gripping head and a flange, said flange adapted to lie in the opening flush with the plane of the outer face of the front when the latter is closed.

1,983,575
COMPRESSOR CONSTRUCTION FOR FILING DRAWERS
Frederick L. G. Straubel, Green Bay, Wis., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio
Application August 14, 1933, Serial No. 685,109
16 Claims. (Cl. 129—26)

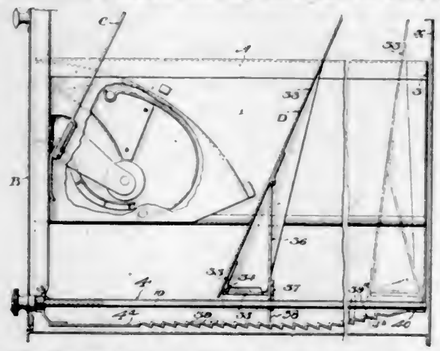


1. In a filing drawer, a tilting front, a wing carried by the latter and having an arcuate slot, a pivoted compressor, and compressor actuating means arranged between the wing and the side wall of the drawer adjacent thereto, said means operatively engaging with a fixed part on the side wall of the drawer and also engaging with the compressor through said arcuate slot.

1,983,576
FOLLOWER CONSTRUCTION FOR FILING DRAWERS
Frederick L. G. Straubel, Green Bay, Wis., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio
Application September 5, 1933, Serial No. 688,226
9 Claims. (Cl. 129—28)

6. In a filing drawer having a bottom wall, a space regulating follower slidable in the drawer,

and cooperating means on the follower and on the bottom wall for moving the follower to a sub-



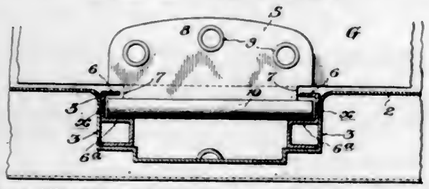
stantially vertical position as it approaches the rear of the drawer.

1,983,577
GUIDE CONSTRUCTION FOR FILING DRAWERS

Frederick L. G. Straubel, Green Bay, Wis., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio

Application September 22, 1933, Serial No. 690,618

5 Claims. (Cl. 129—16)



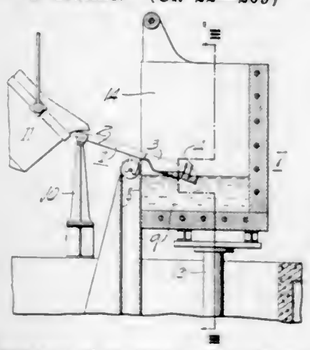
5. A tiltable and shiftable guide card construction for use in vertical filing drawers having a continuous central bottom channel, comprising, a card body, a member projecting from the bottom edge of the card body at the central portion thereof and adapted to be positioned in said central channel, and a tubular member split longitudinally to receive said member projecting from the bottom of the card and adapted to bear in said channel.

1,983,578
METAL TRANSFER

Edward M. Chandler, Alcoa, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 3, 1932, Serial No. 645,507

8 Claims. (Cl. 22—209)



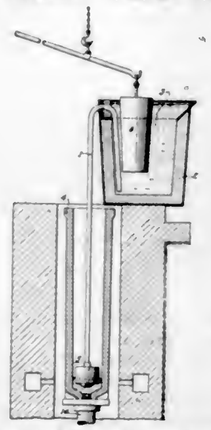
5. The process of casting metal in a mold of the open side type having a flexible wall, which comprises flowing molten metal down an inclined path over the flexible wall of the mold, skimming dross from said metal during its flow along said path, retarding the flow of metal, and quietly discharging substantially dross-free metal substantially at the center of said mold.

1,983,579
METAL TRANSFER SYSTEM

William T. Ennor and William E. King, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 3, 1932, Serial No. 645,508

13 Claims. (Cl. 22—79)



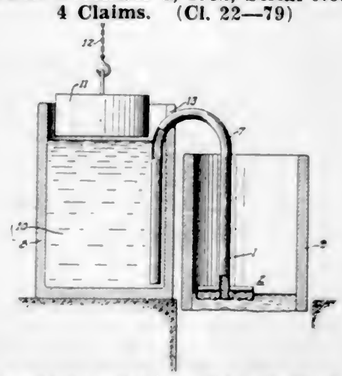
1. A molten metal transfer system comprising a container for molten metal, a receiver for molten metal, a siphon adapted to deliver molten metal from said container into said receiver, means adapted to start a flow of molten metal through said siphon, and means associated with the discharge end of said siphon adapted to diffuse metal and collect dross delivered by the siphon.

1,983,580
METAL TRANSFER DEVICE

Joseph A. Nock, Jr., Tarentum, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 3, 1932, Serial No. 645,510

4 Claims. (Cl. 22—79)



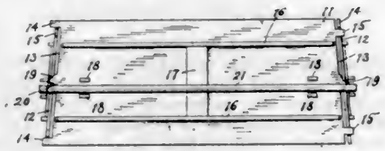
1. In a molten metal transfer device, a vertical tubular discharge member with a discharge port opening laterally adjacent its end, said end being closed by a tray supported therefrom and said tray having a perforate bottom plate and upturned edges extending above said discharge port.

1,983,581
POURING JACKET FOR MOLDS

Horace R. Street, Cleveland, Ohio

Application December 10, 1932, Serial No. 646,633

6 Claims. (Cl. 22—112)



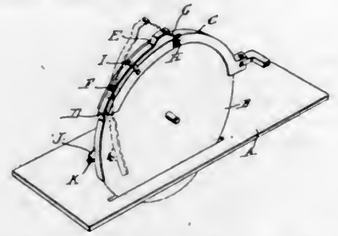
1. A knock-down jacket for molds comprising a pair of spaced side walls, a pair of spaced end walls, said side walls of each pair and said end walls of each pair being relatively interchangeable, extensions on the opposite ends of said walls disposed in overlapping relation, pairs of laterally extending lugs secured to the outer surfaces of said walls and spaced apart in longitudinal alignment, and a member in the form of a continuous bar adapted to encircle said walls and removably disposed between said pairs of laterally extending lugs.

1,983,582
SAW GUARD

Harry Thomas, Victoria, British Columbia, Canada

Application July 28, 1933, Serial No. 682,608

4 Claims. (Cl. 143—159)



1. A saw guard comprising an arcuate guard member adapted to cover the work engaging part of a circular saw, means connecting the middle portion of the guard member with a support in such manner as to enable swinging of the guard in a plane transverse to that of the saw from a saw covering to an uncovering position, and means for automatically restoring the guard member to a saw covering position when it is released.

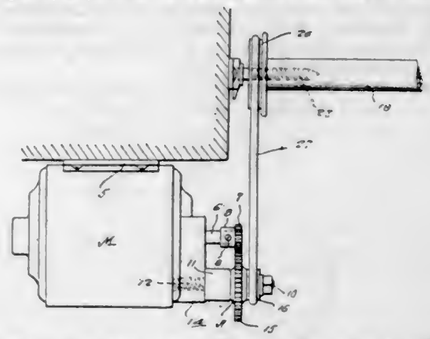
1,983,583
WINDOW SHADE OPERATING MECHANISM

George A. Timko, Chicago, Ill.

Application February 13, 1934, Serial No. 711,078

1 Claim. (Cl. 74—421)

In a shade operating mechanism, a reversible motor having an armature shaft, a block attached to the motor and having a threaded hole therein, an elongated body having its central part enlarged and its end parts reduced to provide a pair of shoulders, one at each end of the central portion, one of the reduced parts being threaded and fitting in the hole in the block with one shoulder contacting the block, the other reduced part having its extremities reduced and threaded with the rest of the said part cylindrical to provide a shaft forming part, a combined pulley and gear rotatably arranged on the shaft forming part, a nut threaded on the threaded portion of the cylindrical part for holding the combined pulley and gear on the shaft forming part, a pinion on the armature shaft meshing with the gear, a pulley on the shade roller, and a belt connecting the two pulleys together.

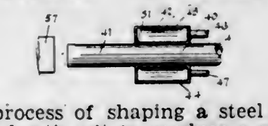


1,983,584
PROCESS OF SHAPING METAL TUBES

Bertis H. Urschel, Bowling Green, Ohio, assignor to Urschel Engineering Company, Toledo, Ohio, a corporation of Ohio

Application March 29, 1930, Serial No. 439,955

8 Claims. (Cl. 29—153.1)



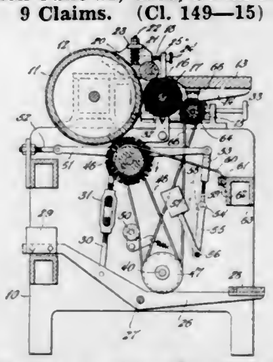
1. The process of shaping a steel tube which consists in heating it to produce a substantially uniform heat throughout two portions of the wall of the tube and at the same time chilling the portion of the tube at points between the heated portions and then moving the parts of the tube to alter the lengths of the heated portions.

1,983,585
LEATHER SURFACING MACHINE

Edgar H. Van Valkenburgh, Gloversville, N. Y.

Application June 21, 1933, Serial No. 676,942

9 Claims. (Cl. 149—15)



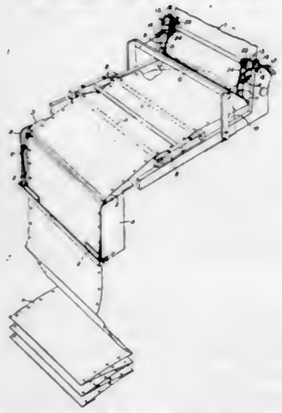
1. A surfacing machine for surfacing leather comprising, in combination, a frame; a surfacing roll journaled in the frame; a feed roll, releasable means normally exerting constant pressure on the feed roll to move it toward the surfacing roll; a spring-urged pinch roll cooperating with the feed roll; means to disengage the surfaced hide from the surfacing roll and thereby prevent it from wrapping around the surfacing roll; and a rotary power-driven brush adjustable relative to and normally in contact with the feed roll to keep its periphery clean and to obviate wrapping of hides around the feed roll.

1,983,586

PAPER FEED MECHANISM

Edward F. Watson, Larchmont, N. Y., and Thomas A. McCann, East Orange, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application December 10, 1930, Serial No. 501,362
7 Claims. (Cl. 197—133)



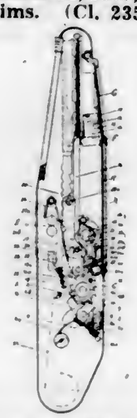
1. Mechanism for aligning paper for passage through a printing machine comprising a support over which the paper passes in direct contact therewith, at least one element affixed to each side of said support for guiding the paper, said support being adapted to provide a free passageway for movement of the paper between said elements, said elements being resiliently mounted on said support in such manner as to keep the paper in proper lateral alignment.

1,983,587

DEVICE FOR RECORDING CHECK VALUES AND MAINTAINING BALANCE

August Abel, Leipzig, Germany

Application September 14, 1929, Serial No. 392,675
24 Claims. (Cl. 235—130)



1. In an overdraft preventing check marking device comprising a figure setting device, a totalizing subtraction mechanism including a number of indicator wheels, a printing device, means to hold a supply of printing paper, and means for delivering printed slips from said holding means, the provision in connection with the indicator wheel of highest order of locking means comprising a slot in said indicator wheel, a pivoted spring-controlled lock lever having a nose adapted to enter said slot when the numeral wheel of highest order is in its zero position, and means for unlocking said locking means, comprising a movable latch, a bell crank lever operated by said latch, a tie bar moved by said bell crank lever, a third lever operated by said tie bar and having a projection adapted to engage said lock lever to move said nose out of said slot.

1,983,588

MANUFACTURE OF TRIARYL PHOSPHATES

Howard Adler and Hans Billroth Gottlieb, Chicago Heights, Ill., assignors to Victor Chemical Works, a corporation of Illinois

No Drawing. Application November 23, 1932
Serial No. 644,136
7 Claims. (Cl. 260—99.20)

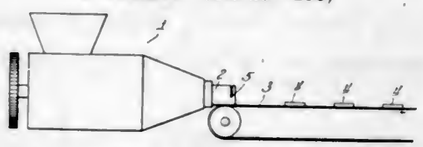
1. The process of producing triaryl phosphates from phosphorus pentachloride, phosphorus pentoxide and a monohydric phenol characterized by first reacting the phenol with one of the phosphorus compounds.

1,983,589

METHOD OF PREPARING AND APPLYING PLASTIC REFRACTORY

John E. Anderson, Chicago, Ill., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois

Application August 8, 1932, Serial No. 627,853
8 Claims. (Cl. 25—156)



1. The method of fabricating and applying plastic refractory for forming fire resisting walls, which comprises kneading and tempering a plastic refractory to a consistency stiff enough to hold its shape to prevent bonding of detached masses except by tamping, forming the refractory into flat substantially rectangular slabs, assembling and wrapping a pile of slabs with their flat sides against each other into a package of such size as to be transported readily and without bonding together of the slabs in the package, transporting the slabs in such packaged condition to the place of use, and applying the slabs from said package and tamping the same into bonding engagement with each other to form a wall.

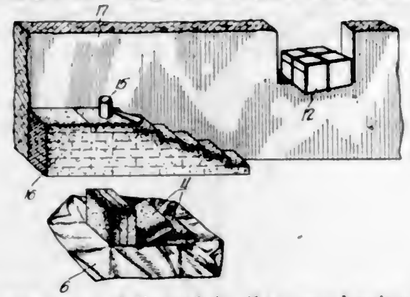
1,983,590

PACKAGE FOR PLASTIC REFRACTORY MATERIAL

John E. Anderson, Chicago, Ill., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois

Original application August 8, 1932, Serial No. 627,853. Divided and this application November 10, 1933, Serial No. 697,451
5 Claims. (Cl. 206—46)

1. A package for the transportation from the mill to the place of use for the building of a monolithic wall of predetermined thickness, of preformed rectangular plastic refractory slabs which as they come from the mill are of the proper shape and of a size which provides a suitable dimension for controlling the thickness of the wall to be formed, and contain a suitable average moisture content low enough to keep them from bonding by contact but great enough to permit bonding by tamping when properly diffused, and wherein the moisture content is irregularly distributed and insufficiently diffused whereby bonding by tamping is difficult, said package comprising an assembly of a relatively small number of slabs as they come from the mill, and a moisture retaining envelope enclosing said assembly of slabs, and a form retaining box enclosing the assembly and envelope, said box protecting the envelope from injury and holding the assembly in rectangular form, the slabs in said



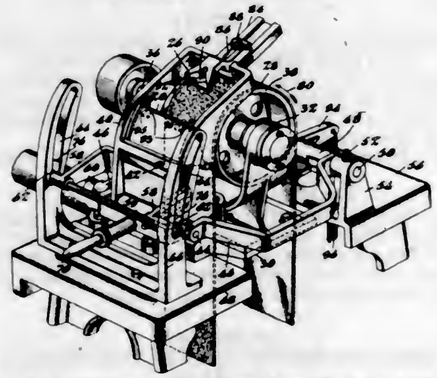
package when delivered to the user having the moisture content thereof thoroughly equalized and diffused to improve the plasticity of the material and to facilitate bonding of the slabs together by tamping into a monolithic wall.

1,983,591

MACHINE FOR SHAPING HEEL BREAST COVERING FLAPS

Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 23, 1932, Serial No. 613,008
26 Claims. (Cl. 51—135)



1. A machine of the class described having, in combination, abrading means, and a support for a sole having a heel-breast covering flap split therefrom, said abrading means and said support being mounted for relative movement, said support comprising a concave face for supporting the flap and being constructed and arranged to permit relative movement of the abrading means and the support without interference with the sole and also to cause the flap supported by said face to have its thickness reduced at selected localities during such relative movement in accordance with the shape of said face.

1,983,592

SOLE OF SHOES

Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application May 23, 1932, Serial No. 613,008. Divided and this application April 6, 1934, Serial No. 719,343
8 Claims. (Cl. 36—24.5)

1. A shoe sole provided with a heel-breast covering flap having at its flesh side a relatively thick longitudinal median rib which is of varying width and is beveled along its marginal portions, said flap including relatively thin lateral marginal portions of sufficient length to extend from the top to the bottom of a heel to which the flap is to



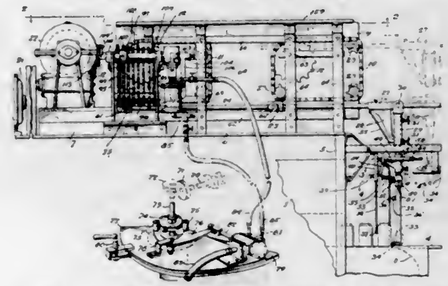
be secured, the inner face of each marginal portion being approximately parallel to the outer face of such portion and forming a substantially continuous surface with the heel engaging face of the rib.

1,983,593

LEER LOADER

Arthur W. Beeson and Isaac H. Strider, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia

Application May 21, 1931, Serial No. 539,088
14 Claims. (Cl. 198—31)



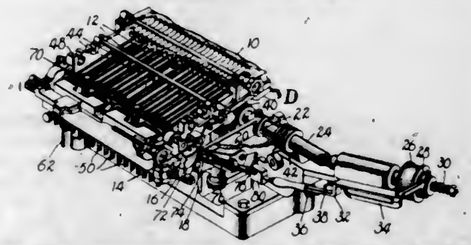
1. The combination with a forming machine, of a leer loader including a pusher bar, means for reciprocating the pusher bar, and variable means operatively connected with the forming machine for controlling the operation of said bar in accordance with the number of articles formed on the machine.

1,983,594

FASTENING-SUPPLYING APPARATUS

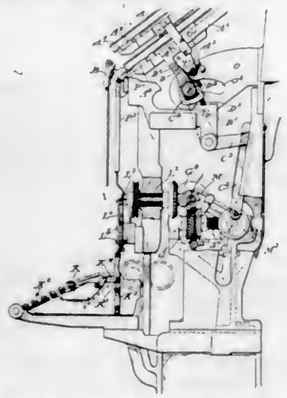
Hugh E. Briegleb, St. Clair, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 8, 1932, Serial No. 627,877
16 Claims. (Cl. 1—39)



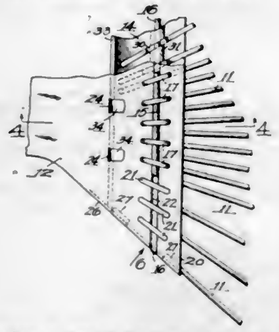
1. The combination with fastening-feeding mechanism having a movable raceway, a discharge device and means for controlling the movement of the raceway, of means movable by an operator to transfer fastenings from the feeding mechanism, and a member through which the force created by the operator is applied to the discharge device and to the controlling means.

1,983,595
TYPOGRAPHICAL COMPOSING MACHINE
Harold A. Burt, St. Albans, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application January 19, 1933, Serial No. 652,447
19 Claims. (Cl. 199—45)



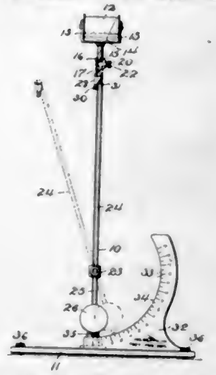
1. In a typographical composing machine, the combination of a plurality of magazines, as assembler throat, mechanism for relatively shifting said magazines and assembler throat to place one or another of the magazines in operative position with respect to said throat, a clutch for connecting a source of power to drive said mechanism, means for engaging said clutch, and means controlled by the load on the clutch and acting automatically to disengage the same when the desired magazine is in operative position.

1,983,596
RAKE
Hjalmar G. Carlson, Shrewsbury, Mass.
Application May 3, 1933, Serial No. 669,217
5 Claims. (Cl. 55—114)



1. In a rake, a head having a portion forming an upper locking plate provided with a series of slots, a plurality of tines each having an arched portion fitting one of said slots and projecting therethrough when assembled therewith, a locking member positioned alongside one face of said upper locking plate and extending through a plurality of said arched portions to prevent displacement of said tines, a lower locking plate having a series of slots to receive the arched portions of additional tines, a second locking member to secure said additional tines from displacement, and means to secure said lower locking plate to said head in substantially parallel relation to said upper plate.

1,983,597
MACHINE FOR TESTING THE SHARPNESS OF BLADES
Elbridge J. Casselman, Pittsburgh, Pa., assignor to Magazine Repeating Razor Company, New York, N. Y.
Application July 6, 1933, Serial No. 679,182
3 Claims. (Cl. 265—13)

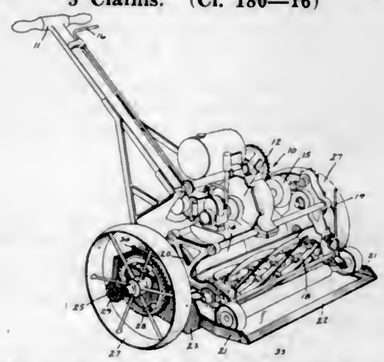


3. A machine for testing the sharpness of blades comprising a spool support, a fibre support for suspending fibre fed from the spool, a compound pendulum, with means for clamping a blade at one end of the pendulum, and a scale on which the other end of the pendulum registers.

1,983,598
IMPERVIOUS CARBON ARTICLE AND METHOD OF FORMING THE SAME
Newcomb K. Chaney, Cleveland Heights, and Edwin F. Kiefer, Cleveland, Ohio, assignors to National Carbon Company, Inc., a corporation of New York
No Drawing. Application December 15, 1931, Serial No. 581,280
6 Claims. (Cl. 91—70)

1. The method of forming impervious carbon articles which comprises forming the carbon article, impregnating said article with pitch, resinifying said pitch with concentrated sulphuric acid and subsequently baking said article.

1,983,599
TRANSPORTING TRUCK FOR POWER MOWERS
John S. Clapper, Minneapolis, Minn., assignor to Toro Manufacturing Company, Minneapolis, Minn., a corporation of Delaware
Application February 16, 1931, Serial No. 515,974
5 Claims. (Cl. 180—16)



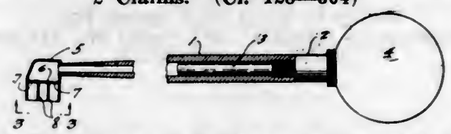
1. The combination with a mower, having a power unit, of a transporting truck for supporting and conveying said mower, a drive shaft on said mower connected to said power unit and provided with a gear, and a driven shaft on said truck provided with a pinion adapted to mesh with said gear, whereby said truck may be driven by power derived from said power unit.

1,983,600
CLEANER
Charles Brown Christie, Wichita Falls, Tex.
Application July 18, 1933, Serial No. 681,035
1 Claim. (Cl. 4—256)



A drain pipe cleaner, comprising a length of flexible tube having a nozzle end of greater external diameter than said tube and extending for a considerable distance of its length, and a truncated conical head at the extremity of the nozzle end to provide an outwardly tapered nipple, said nipple being of considerably greater diameter at its innermost portion than the nozzle end.

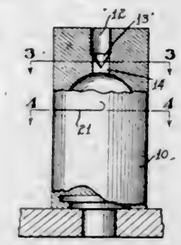
1,983,601
MUCUS SURFACE SCRAPER AND MEDICINAL DISTRIBUTOR
Carl E. Conn, Los Angeles, Calif.
Application November 24, 1931, Serial No. 576,966
2 Claims. (Cl. 128—304)



1. In a device of the character described, the combination of suction means, a combined scraper and suction chamber, said chamber being divided horizontally into an upper and a lower compartment by a horizontal perforated partition, said lower compartment being further divided by a plurality of vertical partitions, the lower edges of which vertical partitions form scraping elements, a handle for the manual application of the scraper and suction chamber to the surface to be treated, and a conduit through said handle between the suction means and the suction chamber.

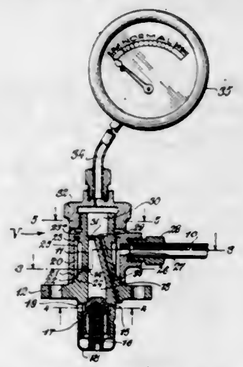
1,983,602
ELASTIC MOLD AND METHOD OF MOLDING MATERIAL
Homer W. Daubenmeyer, Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application April 10, 1933, Serial No. 665,388
12 Claims. (Cl. 18—34)

1. In a device of the character described, a mold having a cavity therein, the mold wall on one side of the cavity being elastic and having a normally closed slot therethrough, in position to be forced open and have material fed therethrough



into the mold, and means for pressing the elastic wall to simultaneously hold closed the slit and press the wall against the contents of the mold.

1,983,603
VISCOSITY INDICATING DEVICE
George R. Eckstein, Buffalo, N. Y., assignor to Visco Meter Corporation, Buffalo, N. Y., a corporation of New York
Application July 17, 1931, Serial No. 551,451
8 Claims. (Cl. 265—11)

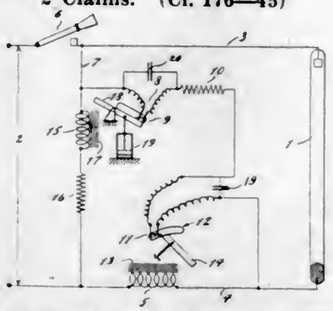


7. A device for indicating the viscosity of a liquid in a system in which the liquid is caused to flow including a body, a member fitting about said body, the adjacent walls of said body and member being spaced throughout a portion of their extent to provide a chamber, an element in said chamber for filtering the liquid delivered to the latter, said body being formed with a second chamber to which liquid from said filtering chamber is delivered, means for maintaining the liquid in said second chamber under a substantially constant pressure, a metering chamber formed in said body and in communication with said second chamber, an outlet passage formed in said body and communicating with said metering chamber, said passage being adapted to offer resistance to the flow of liquid in accordance with its viscosity, thereby setting up a counter pressure in said metering chamber, an indicator, means whereby said indicator is connected to said metering chamber so as to be responsive to such counter pressure and an externally accessible removable closure element secured to said body and by which access may be had to said metering chamber and resistance passage for clearing the same, said element being utilized in connecting the said indicator to said metering chamber and serving to hold said member and filtering element in assembled relation.

1,983,604
PRODUCTION OF REFINED METAL
John W. Flannery, Portland, Oreg.
No Drawing. Application January 13, 1934, Serial No. 706,569
10 Claims. (Cl. 75—17)

1. A method for producing refined substantially carbon-free metal from iron, chromium, manganese, and nickel oxide ores in a single operation which includes the steps of intimately intermingling the ore with a mixture of reducing and fluxing materials, said mixture containing an amount of carbon that is substantially the chemical equivalent of the oxygen combined with the metal to be reduced and also containing fluxing agents including an alkali metal compound in amounts such that the fluxing materials and the gangue of the ore combine and form a soft, pasty, viscous mass at a temperature below that at which the carbon will combine with oxygen of the furnace atmosphere, charging the intermingled ore and mixture into a furnace and applying heat to the charge to increase the temperature to the melting point of the pure metal, the soft, pasty mass preventing combustion of carbon with the furnace atmosphere but leaving said carbon free to reduce the metallic oxide, the mass as the temperature increases forming a liquid slag before the melting point of the pure metal is reached, and the metal as it melts passing through the slag to the bottom of the furnace.

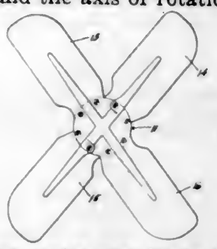
1,983,605
LAMP STARTING DEVICE
Hans M. Erdmann, New York, N. Y., assignor to Ne-Arga Corporation, New York, N. Y., a corporation of New York
Application January 18, 1930, Serial No. 421,679
2 Claims. (Cl. 176—45)



1. In a lighting circuit, a lamp, a power source therefor, a switch for said power source, a starting device for said lamp, and mechanical time controlled means for rendering said starting device inoperative after the expiration of a short time interval from the closing of the switch of the power source and maintaining said starting device inoperative while said switch from said power source is closed, whether said lamp is operating or not operating, said starting device being again operable only upon the disconnection and reconnection of the lamp with said source of power.

1,983,606
FAN
Walter A. Geise, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 12, 1931, Serial No. 515,167
1 Claim. (Cl. 170—159)

In an automotive vehicle, the combination of a radiator, an internal combustion engine, and a rotary fan which is located between the radiator and the engine and operated by the engine to draw air through the radiator and circulate it over the engine and which consists of a plurality of substantially coplanarly disposed blades arranged around the axis of rotation so that the



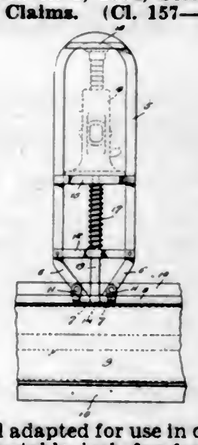
angle which separates one blade from the following blade so differs from that which separates the last-mentioned blade from the following blade that the sound waves set up by the blades have such characteristics that the noise created during the operation of the fan is audible to a minimum degree.

1,983,607
IDENTIFICATION TAG
Joseph Haas, Newport, Ky.
Application April 19, 1933, Serial No. 666,877
2 Claims. (Cl. 40—3)



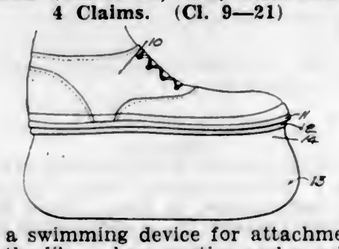
2. In an identification tag, the combination of a metallic band bent to form a plurality of flat faces in bracing relation with a pair of said faces forming a right angle and the ends of said band overlapping with one of said ends pointed and one of said ends provided with an integral stud and the other with a cooperating opening for permanently sealing said band.

1,983,608
TIRE TOOL
Homer G. Hand, Fort Myers, Fla.
Application March 1, 1934, Serial No. 713,588
5 Claims. (Cl. 157—6)



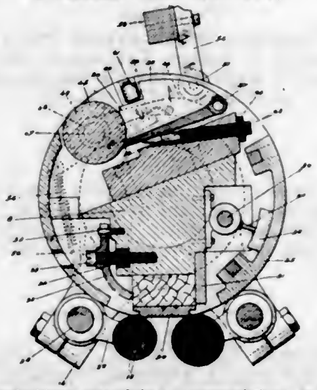
1. A tire tool adapted for use in connection with an ordinary portable jack for forcibly removing a pneumatic tire from its rim, comprising an open elongated frame having spaced rim-flange engaging prongs at one end, means carried by the frame and engageable with rim flange to hold said prongs in engagement with said flange, the other end of said frame forming a jack abutment, and a presser foot member slidable in the frame and provided at its inner end with a part forming a second jack abutment, said presser foot member having a presser foot at its outer end movable in a plane between the prongs of the frame and engageable with the tire behind said rim flange, whereby upon extension of the jack engaged with said abutment, the presser foot member will be projected to force the tire from the rim.

1,983,609
SWIMMING SHOE
Willis T. Hudson, Memphis, Tenn.
Application October 16, 1933, Serial No. 693,793
4 Claims. (Cl. 9—21)



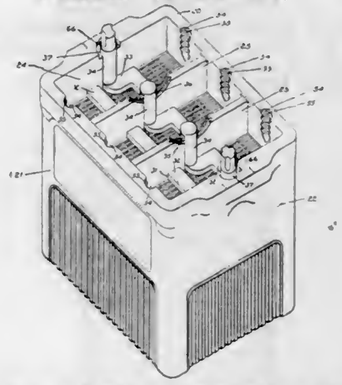
1. In a swimming device for attachment to a shoe or the like, a base portion and a pair of integral wings of resilient material, said base and wings being of elongated form and adapted to be secured to the sole of the shoe, said wings being spaced apart at said base, and laterally extending therefrom, said wings converging together intermediate their width, and therefrom diverging arcuately apart to their outer edges, the major portion of said wings away from said base being stiffened by reinforcement.

1,983,610
INKING MECHANISM FOR PRINTING PRESSES
Hans Irmscher, New York, N. Y., assignor to Millie Patent Holding Co. Inc., New York, N. Y., a corporation of New York
Original application September 23, 1931, Serial No. 564,615. Divided and this application June 28, 1932, Serial No. 619,684
4 Claims. (Cl. 101—340)



1. A printing machine comprising a frame, a carrier on the frame, an inking roller rotatably associated with the carrier, said carrier being formed with a recess forming an ink well, a bottom plate in the well, a feed roller in the well, means to advance the bottom plate against the feed roller, and means to limit the movement of the bottom plate toward the feed roller.

1,983,611
STORAGE BATTERY
Alexander F. Jackson, Mount Vernon, N. Y., assignor to U S L Battery Corporation, Niagara Falls, N. Y., a corporation of New York
Application September 12, 1928, Serial No. 305,410
2 Claims. (Cl. 136—134)



1. A storage battery comprising a container, partitions dividing said container into a plurality of cells, a battery element in and resting on the bottom of each cell, inter-cell connecting means straddling each of said partitions and extending parallel to the lateral surfaces thereof, a terminal post extending vertically from each end cell and at least partially embedded in the wall thereof and held against movement therein, a cell cover for covering each of said cells, said covers having a portion contacting the inner walls of each of said cells respectively and being recessed to fit around said inter-cell connecting means, and means positively engaging a portion of said container and a portion of the periphery of said cell covers and exerting pressure upon said cell covers whereby said covers are positively pressed into engagement with said battery elements whereby said battery elements are rigidly held against movement relative to said container.

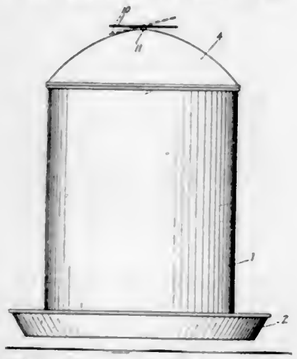
1,983,612
MEMBER FOR FRAME WORK
Hugo Junkers, Dessau, Germany
Application August 25, 1930, Serial No. 477,591
In Germany September 25, 1929
2 Claims. (Cl. 189—34)



1. A member for trellis work comprising a middle web flanged on one side, the width of the flanges being reduced to zero toward the ends of said web, the width of the web portion adjacent the reduced portions of said flanges being correspondingly increased, flat end portions bent at an angle from opposite ends of said web, and corrugations of short extent on the web extending on either end of the strut and substantially in the

longitudinal direction of the strut from the bending line between the web and the flat end portions over the adjacent wider web portion, said corrugations serving the purpose of preventing buckling of these wider portions of the web.

1,983,613
ANTIROOST DEVICE
Maurice H. Keating, Minneapolis, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application February 6, 1932, Serial No. 591,349
12 Claims. (Cl. 119—72)



1. In combination with the cover of a poultry watering device, a disk, overlying the cover, means interposed between the disk and the cover forming a pivotal point permitting depression of the disk in any direction against the cover, and a split key connecting with the interposed means and securing the disk to the cover for swiveling motions.

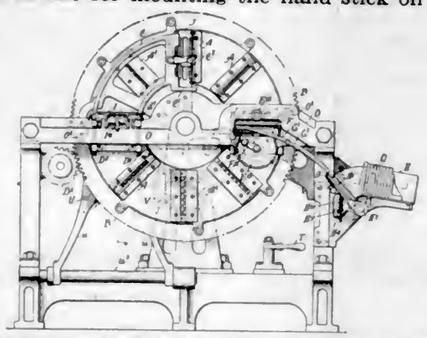
1,983,614
LICENSE PLATE FRAME
Sarah Kenny, Bronx, N. Y.
Application October 4, 1934, Serial No. 746,894
5 Claims. (Cl. 40—125)



2. A license plate frame comprising two U-shaped sections of tubular cross-section each having a continuous slot along the whole length of its inner wall to receive the edge of a license plate, said sections being similar and each having one end of one of the legs in the U reduced in cross section to fit into the end of the other leg of the other section whereby said frame when positioned on a license plate has the appearance substantially of a continuous tube of uniform cross section around the license plate, and means extending through the interfitting portions to secure the sections together and to engage the license plate to hold the frame against rattling.

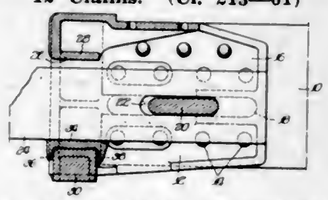
1,983,615
SLUG CASTING MACHINE
George P. Kingsbury, Hollis, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application August 5, 1933, Serial No. 683,859
32 Claims. (Cl. 199—47)

1. In a slug casting machine, the combination of a slotted mold, a movable support therefor, a hand stick for holding a composed line of matrices, and means for mounting the hand stick on the



mold support with the matrix characters in register with the mold slot.

1,983,616
CARRY IRON WEARING PLATE
Edmund P. Kinne, Alliance, Ohio, assignor, by mesne assignments, to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application January 2, 1930, Serial No. 417,896
12 Claims. (Cl. 213—61)



8. In a draft appliance, the combination of a coupler support having a supporting surface, and a wearing plate having a top flat coupler carrying part and an under surface engaging said supporting surface one of said surfaces being curved so as to provide a rolling action of said wearing plate upon said support upon drooping of the coupler head.

1,983,617
THERMAL INSULATION MEDIA
Aaron A. Ladon, Lakewood, Ohio
Application April 27, 1933, Serial No. 668,191
14 Claims. (Cl. 154—45)

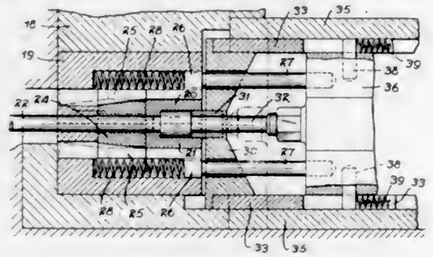


1. As a heat insulation medium, a woven fabric incorporating a sufficient percentage of relatively thin and flat permanently bright metallic strands to materially impede the passage of heat through the fabric.

1,983,618
FORGING APPARATUS
John Lamond, Allison Park, Pa., assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa., a corporation of Pennsylvania
Application November 4, 1932, Serial No. 641,238
2 Claims. (Cl. 78—63)

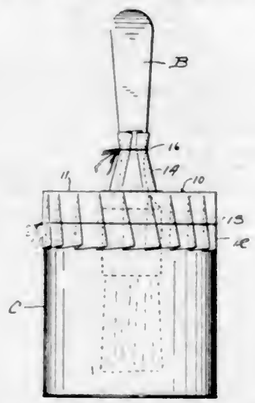
1. Forging apparatus comprising a pair of gripping members for bar stock, a longitudinally-divided die positioned forwardly of the said members, to receive the forward portion of bar stock which is held by the gripping members and having

a cavity of greater length than the length of articles to be formed therein and having an integral wall at its rear end, provided with a central opening of approximately the diameter of the bar stock, the cavity being completely open at its forward end, an upsetting tool of sleeve-like form movable into the forward end of the cavity and closely fitting the longitudinal walls thereof, a punch movable through said tool and the said central opening and being of substantially the same diameter as the said opening, means for moving the upsetting tool and the punch into the



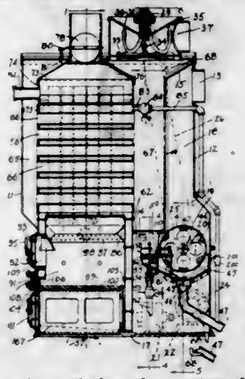
forward end of the cavity, with their forward ends approximately flush with one another, means for simultaneously gripping the bar stock by said members, means for continuing the advancing movement of the punch to the said central opening, after the tool and the punch have been advanced a distance to completely upset the end of the bar stock within the cavity, and means for releasing the gripping members, to permit the bar stock to be forced backwardly by the said continued advancing movement of the punch, the cavity being of uniform cylindrical contour from end to end.

1,983,619
PAINT AND BRUSH PROTECTOR
Vincent R. Lent, Sayville, N. Y.
Application August 13, 1932, Serial No. 628,746
1 Claim. (Cl. 206—15.1)



A paint and brush protector, comprising a paper cup-shaped member adapted to be telescopically mounted on the open end of a paint can, said member having a crimped skirt portion and a flat top and a centrally disposed brush handle engaging portion carried by the flat top, a flexible band for holding the skirt portion in position on the paint can and another flexible band surrounding the brush handle engaging portion for suspending a brush with its bristle portion in the can.

1,983,620
AIR HEATING AND CONDITIONING SYSTEM
Jesse Noble Lewellen, Indianapolis, Ind.
Application June 23, 1932, Serial No. 618,862
5 Claims. (Cl. 183—9)



4. In apparatus of the character described, the combination of an air supply passage, an absorbent rotary tubular filter therein, a trough in said passage forming a part thereof, said filter being nested in the trough and completely closing the passage above the trough and extending entirely across the same for compelling air passage into, through and out of said filter, bucket means within the filter and positioned near the periphery thereof to discharge trough liquid to the absorbent portion of the filter above the liquid in the trough, and in the filter rotation, means for supplying liquid to the trough, float valve means for controlling the same, other and larger valve means for quickly discharging the trough contents, the discharge being at a greater rate than the supply thereto whereby upon substantial emptying of the trough the float valve controlled supply flushes the trough until said other valve means is closed.

1,983,621
INDIRECTLY HEATED CATHODE
Siegmund Loewe and Bruno Wicnecke, Berlin, Germany
Application April 24, 1931, Serial No. 532,480
In Germany April 29, 1930
2 Claims. (Cl. 250—27.5)



2. In a electron discharge device an indirectly heated cathode consisting of a heating body, an insulation tube surrounding said heating body, a metallic member on the surface of said insulation tube, said metallic member being shorter than said insulation tube, an equipotential cathode, consisting of a spiral wire, being of the same length as said metallic base and surrounding the metallic member, and an emissive layer of a highly emissive vaporizable metal merely on the surface of said equipotential metallic cathode.

1,983,622
SHOE STIFFENER AND METHOD OF MAKING THE SAME
Stanley P. Lovell, Newton, Mass., assignor to Arden Box Toe Company, Watertown, Mass., a corporation of Massachusetts
Application June 26, 1931, Serial No. 547,170
16 Claims. (Cl. 12—146)

1. The method of making stiffeners for shoe parts, which consists in assembling a solvent plasticizable center or core body together with solvent.

in covering the same with integuments of unplasticized material, and in compressing the assembly to cause the solvent of the solvent-plas-



ticized core to attack the unplasticized coverings and bond the assembly together as a unit stiffener.

1,983,623

METHOD OF MAKING A DRY CELL BOBBIN

Georg Lüdecke, Munich, Germany
Application May 19, 1931, Serial No. 538,470
In Germany March 26, 1930
1 Claim. (Cl. 136—124)



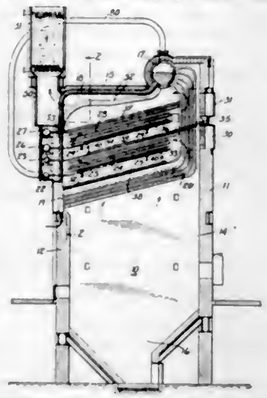
The method of producing a dry cell bobbin, which comprises dissolving acetyl cellulose in a mixture of chloroform and alcohol, and immersing the bobbin in the solution to form a porous coating on the bobbin.

1,983,624

BOILER

Edwin Lundgren, Frederick, Md., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application April 16, 1932, Serial No. 605,617
5 Claims. (Cl. 122—331)

1. A boiler comprising a setting having opposed walls and a roof, a furnace in the setting, a steam and water drum in the upper part of the setting, a plurality of headers arranged substantially in the plane of one of the walls of the setting, downcomers connecting the drum and headers and having portions extending adjacent and parallel to the roof and other portions lying substantially in the plane of the last mentioned wall, a plurality of boiler tubes connecting the headers directly with the drum, the boiler tubes having portions extending in a horizontally inclined direction and other portions extending in a substantially vertical direction adjacent the wall opposite said last mentioned wall of the setting, a superheater in the setting in the space defined by and between the downcomers and boiler tubes, a first and second baffle disposed respectively above and below the greater part of said superheater, the space between said baffles defining a passage for the products of combustion over said superheater, a third baffle disposed below said second baffle and above the horizontally inclined portion of the boiler tubes and spaced from said second baffle to provide a by-pass for the products of combustion passing through the setting without coming in contact with the superheater, and a damper controlling the by-pass to thereby con-

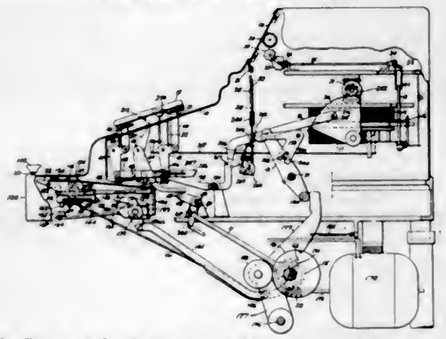


trol the quantity of products of combustion flowing over the superheater.

1,983,625

CALCULATING MACHINE

Conrad Luttropp, Stockholm, Sweden, assignor of one-half to Anders Lindahl, Stockholm, Sweden
Application October 18, 1927, Serial No. 226,968
54 Claims. (Cl. 235—63)



1. In a calculating machine comprising a primary selector, a primary key board having digit keys, means operable by said keys for setting up digits in the primary selector, a totalizer, primary item transfer mechanism for transferring items from the primary selector to the totalizer, motor mechanism, and mechanism forming a power transmission connection between said motor mechanism and said primary item transfer mechanism, the combination therewith of a secondary selector, a secondary key board having digit keys, means operated by the last-mentioned keys for setting up digits in the secondary selector, means operated by said motor mechanism to successively zeroize the digits set up in the secondary selector unit by unit, means controlling operation of the primary item transfer mechanism in accordance with the operation of the secondary selector, and means controlled by said secondary selector and operated by said motor mechanism to step said totalizer after the zeroizing of each digit and on transfer from digit to digit in the secondary selector.

13. In a calculating machine, the combination with a casing, a guide mounted in said casing, a carriage slidably mounted on said guide, a plurality of straight racks mounted in said carriage, and means to successively longitudinally move said racks to set up digits, of means to successively return said racks unit by unit and beyond zero position and means for successively stepping said carriage between the zeroizing of digits of adjacent racks actuated by successive movements of the racks on their return strokes beyond zero position.

16. In a calculating machine, a casing, a guide mounted in said casing, a carriage slidably mounted on said guide, a plurality of straight racks mounted in said carriage, means to longitudinally move said racks to set up digits, a rotatable shaft, means to return said racks unit by unit operated by said rotatable shaft and means for stepping said carriage comprising a ratchet mounted on said carriage, a pawl member mounted on said guide, an operating member, a control member, means operated by said shaft for reciprocating said operating member and means for interposing said control member between said operating member and said pawl member.

1,983,626

MOVING PICTURE SCREEN

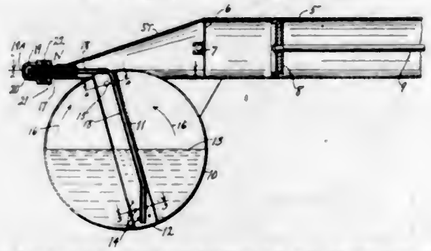
William O. Lytle, New Kensington, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application May 10, 1933, Serial No. 670,286
2 Claims. (Cl. 88—24)

1. A moving picture screen of glass having its rear surface provided with a metallic reflecting coating and its front light-dispersing surface composed of fine closely spaced lines extending in a vertical direction.

1,983,627

SPRAYER

Andrew Madsen, Stillwater, Minn.
Application October 31, 1932, Serial No. 640,489
2 Claims. (Cl. 299—89)

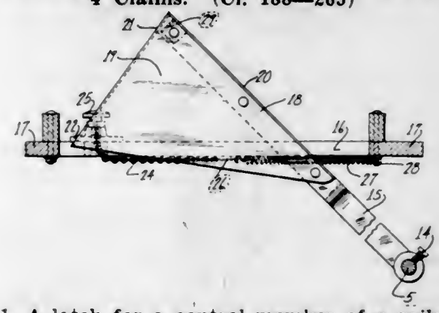


1. In a sprayer comprising an air pressure producing chamber and an air outlet nozzle communicating with said chamber, a liquid reservoir fixed to said outlet nozzle, said nozzle comprising a forwardly tapered chamber, a sprayer tube extending rigidly forward from said tapered chamber, a cap adjustable longitudinally on the front end part of said tube and provided with an outlet concentric of said tube; a fixed upright tube in said reservoir having its upper end in communication with the tapered chamber and the lower end of said tube closed at the bottom of the reservoir, the walls of said tube provided with a number of apertures in proximity to the lower end, a liquid conveyor tube fixed within said upright tube with its lower end opening into the lower central part of said tube, the upper part of said conveyor tube extending concentrically of and longitudinally through the first described sprayer tube and its forward end directed toward the outlet of the cap member but spaced inwardly of the latter.

1,983,628

VEHICLE CONTROL

Charles G. Mahana, Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 2, 1932, Serial No. 608,681
4 Claims. (Cl. 188—265)

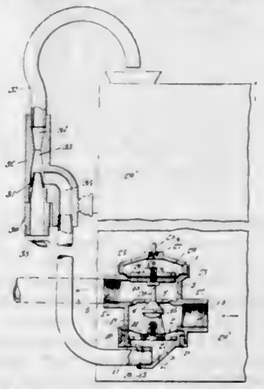


1. A latch for a control member of a railway motor car having a deck structure, the latch including a chain, a tubular chain guide projecting through the deck structure, a stop carried by each end of the chain and coacting with the guide, a notched chain anchorage carried by the control member, and adapted separately to engage the individual links of the chain, a spring connected to the inner end of the chain for retracting the chain when in non-latching relation to the control member, and an anchorage for the spring, the length of the spring and chain being such that they are kept in concealed position beneath and along the deck of the car, irrespective of engagement of the chain and control member.

1,983,629

VALVE FOR CONTROLLING AND/OR REGULATING THE FLOW OF FLUID

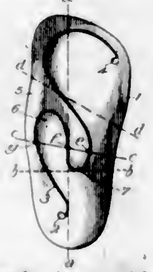
Cyril Aubyn Masterman, Westminster, England, assignor to The Gas Light and Coke Company, London, England, a British company
Application February 13, 1932, Serial No. 592,792
In Great Britain March 9, 1931
2 Claims. (Cl. 236—25)



1. A fluid supply controlling and regulating appliance for governing the flow of a heating medium for heating a liquid, said appliance in-

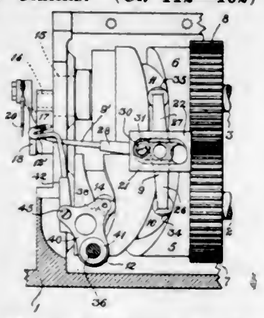
cluding a casing having an inlet thereto and an outlet therefrom for the heating medium, a valve within the casing for controlling the flow of the heating medium therethrough, a diaphragm carrying the valve and responsive to the pressure of the heating medium for controlling the valve, a second diaphragm for controlling the valve, and means whereby the flow of the liquid to be heated is utilized to control said second diaphragm.

1,983,630
ARCH SUPPORTING PLATE
Eugen Matthias, St. Moritz, Switzerland
Application January 9, 1934, Serial No. 705,921
In Germany July 14, 1933
7 Claims. (Cl. 36—71)



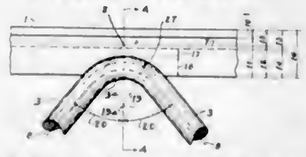
1. In a foot arch, in combination, a strong vaulted supporting plate for the foot, said plate being subdivided by means of a curvilinear perforation, a stronger vaulted circumferential portion of said plate left unimpaired by said perforation, for supporting the weakened parts of said foot as unyieldingly as possible, and vaulted springy tongues of said plate left by said perforation and surrounded by said circumferential portion, for yieldingly supporting said foot at the region of sagging of the latter.

1,983,631
LOOPER CARRIER
Joseph M. Merrow, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application May 29, 1933, Serial No. 673,511
6 Claims. (Cl. 112—162)



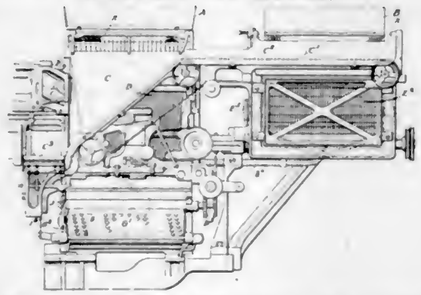
1. An overseaming machine including in combination, a reciprocatory needle, a pair of cam cylinders supported for rotation in parallelism within the machine frame, a frame cap adjacent to the cam cylinders, a reciprocatory slide mounted on the frame cap, a looper carrier pivoted to the slide with its pivotal axis in a plane extending between the cam cylinders, said looper carrier having two arms, each of which is provided with a bearing stud to engage a groove in a respective cam cylinder, a second looper carrier pivoted to the frame cap and having a bearing stud to engage another groove in one of the cam cylinders, each of the looper carriers also having a looper arm aligned with the paths of movement of the several bearing studs, with the looper arm of the slide supported carrier operable in a space between the cam cylinders and with the bearing stud and looper arm of the other carrier separated by a space appropriate to receive that portion of the cam cylinder between the groove for said stud and an end wall of the cylinder.

1,983,632
TRUSS TYPE JOIST
William B. Miller, Lakewood, and Frank Eroskey, Lyndhurst, Ohio
Application November 19, 1931, Serial No. 575,998
4 Claims. (Cl. 189—37)



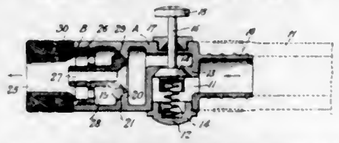
1. A metallic joist comprising top and bottom chord members fashioned with spaced arcuate grooves in staggered apposition and a web structure having bend portions and reversely inclined diagonal portions extending between and secured in said arcuate grooves of said top and bottom chord members, the entire depth dimensions of said chord members being constant irrespective of limited variations in thickness of the assembled parts yet remaining so arranged that the respective center of gravity lines constantly intersect at points substantially lying in the neutral axes of said chord members, said groove-interlocking connections being adapted to resist secondary stresses in the web structure and also compensatorily to replace the metal displaced from said grooves.

1,983,633
TYPOGRAPHICAL COMPOSING MACHINE
William J. Mulroy, Woodhaven, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application June 1, 1933, Serial No. 673,826
11 Claims. (Cl. 199—18)



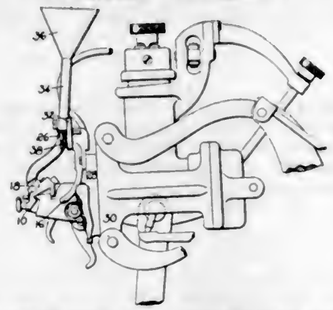
1. In a typographical machine, the combination of two magazines arranged side by side or in tandem, and each provided with escapements, two sets of escapement actuating devices, one for each magazine, two corresponding independent sets of power driven elements for operating said devices, a keyboard, mechanical connections between the finger keys of said keyboard and one set of power driven elements, electrical connections between certain selected finger keys of said keyboard and the other set of power driven elements, and means for shifting the control of the selected finger keys to either set of power driven elements, as required.

1,983,634
HOSE NOZZLE
Henry Nichols, New York, N. Y.
Application December 5, 1932, Serial No. 645,869
5 Claims. (Cl. 299—136)



2. A nozzle of the character described comprising a casing provided with a valve chamber and a delivery chamber separated by an intervening wall having an opening therein, a valve in the valve chamber controlling flow of fluid to the said opening, and a tubular member of less diameter than the delivery chamber and axially disposed therein, said tubular member being so mounted that it is adjustable toward or from said opening and having means cooperating with said opening in such manner that fluid may be selectively caused to flow around and through the tubular member or through said tubular member only.

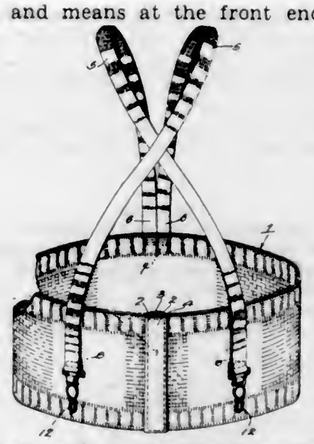
1,983,635
FINISHING MACHINE
Horace Vere Nown, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 15, 1932, Serial No. 622,708
In Great Britain July 29, 1931
26 Claims. (Cl. 12—17)



1. An oscillating edge setting tool comprising a burnishing surface, walls disposed above said surface arranged to form an open recess adapted to retain a wax pellet, and a duct arranged to carry wax as it is melted from the pellet to the burnishing surface of the tool opening into said recess at a point substantially above the lowermost portion thereof whereby a small amount of wax is retained in the recess.

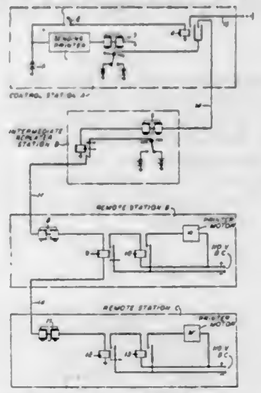
1,983,636
COMBINED ELASTIC BELT AND SUSPENDERS
Lewis F. Palkens, Nashua, N. H.
Application July 9, 1932, Serial No. 621,704
2 Claims. (Cl. 2—41)

1. A device of the character described, comprising a relatively broad elastic band designed to encircle the waist and constituting a reducing belt, a pair of shoulder straps each connected at one end in relatively close relation at the back of the belt and extending in crossed relation to the front of the belt and having their front ends relatively widely spaced apart and connected to the outer face of the belt at a point substantially midway between the top and bottom edges thereof, and means at the front ends of the



shoulder straps for connecting the same with the garment.

1,983,637
REMOTE CONTROL SYSTEM
Donald B. Perry, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 3, 1930, Serial No. 479,540
4 Claims. (Cl. 178—4.1)



1. In combination, a main station comprising printing telegraph transmitting means, a remote station comprising printing telegraph receiving means, a telegraph line extending from said remote station to said transmitting station, switching means at said transmitting station, a relay responsive to the movement of said switching means to an operative position and adapted upon actuation to connect said telegraph line to said transmitting station for automatically conditioning the printing telegraph receiving means at the remote station for receiving signals, said relay responding to the movement of said switching means to a non-operative position for automatically rendering said printing telegraph receiving means inert.

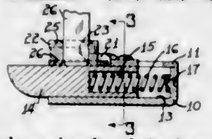
1,983,638
GLOW DISCHARGE TUBE
Maurice Ponte, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil, a corporation of France
Application May 20, 1933, Serial No. 672,033
In France June 7, 1932
10 Claims. (Cl. 176—122)

1. A discharge device comprising a gas filled envelope and a pair of coaxially disposed elec-

trodes between which a discharge may be passed located therein, one of said electrodes comprising a support extending linearly in said envelope and a resistance wire wound about said electrode.

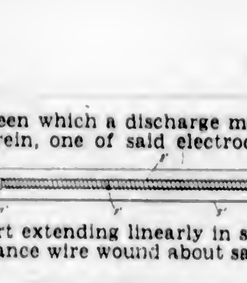


1,983,639
DOORLATCH MECHANISM
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application August 2, 1933, Serial No. 683,346
4 Claims. (Cl. 292—169)



4. In a latch, a back plate having a recess, a spring pressed latch bolt slidable in the recess, a cover plate secured to the back plate and having an opening, a roll back journaled in the cover plate and disposed wholly outwardly of the bolt and a member slidable in the opening of the cover plate and secured to the bolt and having a part disposed outwardly beyond the cover plate and engaging the roll back to retract the bolt.

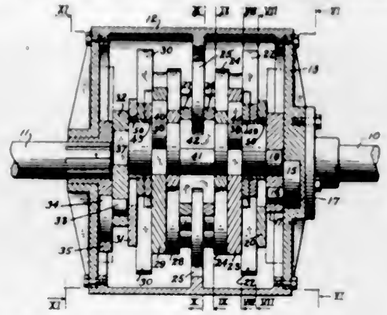
1,983,640
SURFACE TREATING DEVICE
Fredrik Johan Robert Karlström, Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland, a corporation of Sweden
Application July 2, 1932, Serial No. 620,613
In Germany July 6, 1931
19 Claims. (Cl. 91—39)



1. A floor treating device comprising a container for holding wax-like material formed with a discharge opening for the material, a conveyor for discharging said material through said opening comprising a helical strip of small surface area and means for rotating said strip due to movement of the floor treating device on the floor.

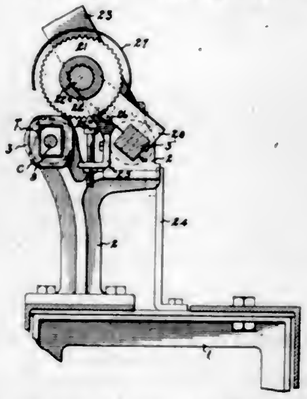
1,983,641
POWER TRANSMISSION DEVICE
Thomas H. Ryan, San Francisco, Calif.
Application July 11, 1933, Serial No. 679,904
11 Claims. (Cl. 74—64)

1. In a power transmission device, the combination of a driving shaft, a driven shaft disposed in axial alignment with said driving shaft, a main crank shaft extending between the ends of said driving and driven shafts and located upon an axis displaced radially from the axis of the driving and driven shafts, a cylindrical member carried by the driven shaft and extending over said main crank shaft, a plurality of auxiliary crank shafts disposed around the axis of the driving and driven shafts and extending parallel with said main crank shaft, members forming lever arms between cranks upon said main and auxiliary crank shafts adapted to exert a force tending to prevent relative movement of said main crank shaft within said cylindrical



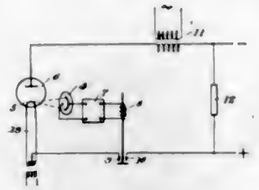
member, an adjustable connection between one end of said main crank shaft and said driven shaft adapted to permit relative movement of said crank shaft with respect to the driven shaft, and means responsive to the speed of the driving shaft cooperating with the cranks upon said auxiliary crank shafts tending to prevent rotation of said main crank shaft, whereby power will be applied to said driven shaft when the speed of the driving shaft exceeds a predetermined value.

1,983,642
COIL SEPARATING MACHINE AND METHOD
Lloyd Arthur Shuey, Chicago, Ill., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 27, 1932, Serial No. 589,235
6 Claims. (Cl. 164—69)



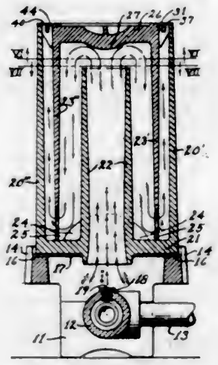
5. In a machine as described the combination comprising a support, a power driven chuck rotatably mounted on the support, a longitudinally slidable spring pressed chuck member mounted on the support in alignment with the first mentioned chuck, a mandrel detachably engaged by the chuck members, a cutter frame oscillatably mounted on the support, and a plurality of circular toothed cutters rotatably mounted on the frame to be engaged by the work on the mandrel and driven thereby.

1,983,643
METHOD OF AND MEANS FOR OPERATING HOT CATHODE TUBES
Hellmut Simon, Berlin-Charlottenburg, and Wolfgang Harries, Jena/Thuringen, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 29, 1930, Serial No. 499,125
In Germany November 30, 1929
6 Claims. (Cl. 250—27)



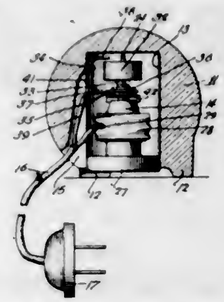
6. In combination a space discharge device comprising a filamentary cathode and an anode, a source for supplying heating current to said cathode, a space current source for said device, and means responsive to radiant energy emanating directly from said heated cathode for continuously controlling the supply of space current to said device.

1,983,644
GAS BURNER AND ASSEMBLY THEREFOR
Philip J. Sonner, Winfield, Kans.
Application October 29, 1931, Serial No. 571,714
8 Claims. (Cl. 158—106)



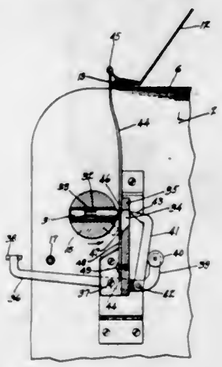
7. In a gas burner, a box like element open at the top, a tubular element, open at both ends, centrally positioned on the bottom of said box like element and extending upwardly therefrom with the lower end of said tubular element passing through the bottom of said box like element, an inverted box like element having cut away portions in the sides at the bottom thereof to form gas ports, said inverted box like element fitting within the first said box like element and housing the tubular element, a flange around the upper edge of the inverted box like element, slots through said flange and notches in the edge of said flange to co-operate with the walls of the first said box like element to form slots so that the slots in the flange and the formed slots make a double row of slots around the top of the burner.

1,983,645
ELECTRIC LIGHTER
Edgar M. Soreng, Chicago, Ill., assignor of one-half to Vidrio Products Corporation, Chicago, Ill., a corporation of Illinois, and one-half to Soreng-Manegold Co., Chicago, Ill., a corporation of Illinois
Application January 2, 1931, Serial No. 506,082
3 Claims. (Cl. 219—32)



1. An electric lighter for cigars, cigarettes, etc., comprising, in combination, a body having a supporting base and a recess extending upwardly from the base in the said body, and a lighter unit mounted in said recess and including a porcelain insulating carrier, a conductor rod supported by said carrier, a gravity member on said conductor rod normally arranged in inoperative position, and a circuit completing bracket carried by said carrier and arranged upon opposite sides of said gravity member and for engagement by said gravity member to complete the lighting circuit upon inversion of said lighter.

1,983,646
TOWEL CABINET
Frank M. Steiner and Albert L. Overholt, Minneapolis, Minn., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application March 12, 1928, Serial No. 261,151
6 Claims. (Cl. 312—38)



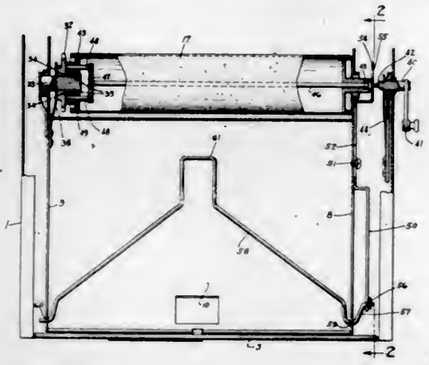
1. A towel holder having a rotary feed roll mounted therein for feeding out predetermined lengths of towel, a device movable with the roll for stopping said roll at the completion of each predetermined movement thereof and shiftable means associated with the cabinet for holding said stopping device in inoperative position to allow unlimited rotation of said feed roll.

1,983,647

TOWEL DISPENSING APPARATUS

George Adolph Steiner, Salt Lake City, Utah, assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application February 11, 1933, Serial No. 656,284
11 Claims. (Cl. 312—38)



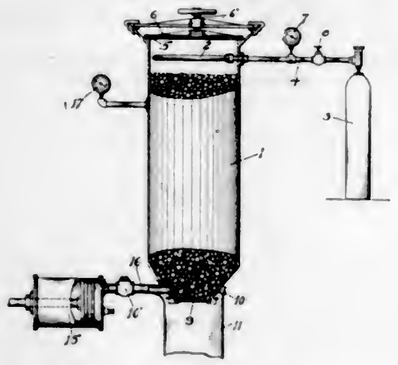
11. In a towel dispensing apparatus, soiled towel take-up means and means for operating the same, auxiliary means adapted to couple with the soiled towel take-up means to operate the same, and separate therefrom, and means controlled by the toweling supply to permit or prevent coupling action of the auxiliary means.

1,983,648

METHOD OF GAS TREATING ARTICLES

Albin H. Warth, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of Maryland

Application January 4, 1930, Serial No. 418,513
2 Claims. (Cl. 167—3)



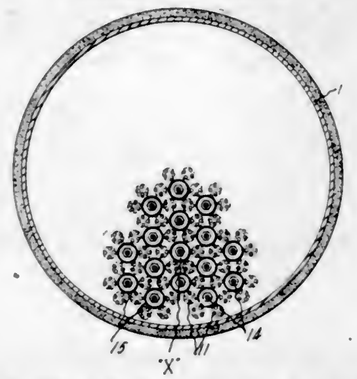
1. The process of treating composition cork articles to destroy living organisms therein without injuring the cork which comprises placing said articles in a closed chamber, exhausting air from said chamber to a predetermined degree of vacuum less than that at which the cork cells collapse, and then admitting to the chamber, under pressure, gas toxic to living organisms and non-injurious to the cork, the gas flow being diluted by the residual air in said closed chamber, and discontinuing the admission of said gas to said chamber when the chamber pressure is substantially at its initial value.

1,983,649

BOILER CONSTRUCTION

Gustave Welter, New Haven, Conn., assignor to The Bigelow Company, New Haven, Conn., a corporation of Connecticut

Application September 20, 1932, Serial No. 633,943
6 Claims. (Cl. 219—38)



1. In a vertical boiler construction of the type having a large group of vertical heating elements distributed in spaced relation within the water space for heat transfer, the combination of means to control the flow of water along the heating elements, said means consisting in a plurality of open ended circulating tubes each of which is positioned in the water space, adjacent a small set of the heating elements, and in position far enough away from the heating units to serve as a return path for water that rises in contact with the heating elements of its set, frees its steam bubbles at the water level and is ready to return to the bottom of the boiler, said tubes having their bottom openings close to the bottom of the water space and their top openings substantially below the boiler water level, said tubes being distributed over the boiler space in sufficient number to serve substantially all of the heating elements in controlling the circulation past said elements.

1,983,650

ADHESIVE

Herbert J. Wolfe, Castleton on Hudson, N. Y., assignor to Fort Orange Paper Company, Castleton on Hudson, N. Y., a corporation of New York

No Drawing. Application July 25, 1932, Serial No. 624,649
3 Claims. (Cl. 134—23.2)

1. An adhesive containing, as a saponifying agent, from about 14 to about 45 parts by weight of caustic alkali selected from the group: sodium, potassium, barium, lithium, caesium and rubidium, and, as an adhesive agent, from about 15 to about 60 parts by weight of a substance selected from the group: dextrinized starch, gum-arabic, gum-senegal, gum tragacanth and shellac.

1,983,651

RULE

Emil Anderson, Briarcliffe, and Carl M. Nicholson, Ossining, N. Y.

Application April 19, 1930, Serial No. 445,547
5 Claims. (Cl. 33—115)

4. A connection for the members of an extension rule, consisting of two plates, means for pivotally securing the plates together, means

carried by said plates for holding them in registry with respect to each other, means on said plates for securing thereto rule elements, and further means including a plurality of raised and impressed connected ribs angularly disposed



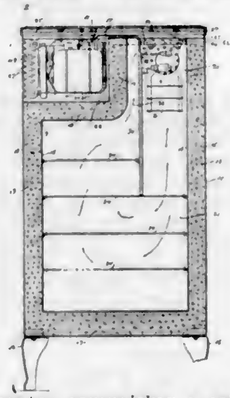
in zig-zag formation in said metal joint elements for holding locked said joint elements in fixed angular relation intermediate their open and closed positions when their flanges are not held substantially in the same plane.

1,983,652

REFRIGERATOR

Eugene L. Barnes, Buffalo, N. Y.

Application January 21, 1931, Serial No. 510,137
14 Claims. (Cl. 62—116)



1. A refrigerator comprising a cabinet formed in its upper portion with an air conditioning compartment and an apparatus compartment, a cover for closing the upper ends of these compartments, a cooling unit suspended from the cover and disposed within the air conditioning compartment, and a motor, compressor and condenser suspended from the cover and disposed within the apparatus compartment.

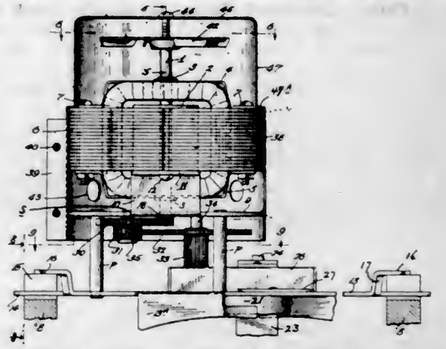
1,983,653

ELECTRIC ACTUATING MECHANISM FOR ICE-CREAM FREEZERS

Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application September 8, 1933, Serial No. 688,639
10 Claims. (Cl. 259—53)

1. A device for actuating an appliance having a rotatable appliance-shaft, comprising: a generally flat and horizontal supporting member; means fast on the supporting member and adapted to interlock against rotation with a stationary part of the appliance; a driven gear journaled in the supporting member and slidably engageable with the said appliance-shaft; a platform extending parallel to the supporting member; a motor including a stator core fastened to the platform and including a rotor having its shaft extending through the platform; a driving pinion fast on the rotor shaft between the platform and the supporting member; spacer means rigidly spacing upwardly the platform from the supporting member; a speed-reducing gear train disposed between the platform and the supporting member and operatively connecting the driving pinion with the said driven gear; and an inverted box-like gear cover fastened to the supporting member and spaced downwardly from the said platform and having the lower edges of its



box sides seated on the supporting member, whereby the gear casing stiffens the supporting member against being flexed downwardly by the weight of the said motor and gear train.

1,983,654

REFINEMENT OF VITAMIN-CONTAINING UNSAPONIFIABLE MATTER OF OILS

Archie Black, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application April 22, 1932, Serial No. 606,904
3 Claims. (Cl. 167—81)

1. The method of refining the vitamin-containing unsaponifiable matter of oils so as to recover and protect substantially the entire vitamins A and D content thereof that comprises dissolving such unsaponifiable matter in a solvent not procured from petroleum, treating the solution anaerically with an adsorbent, in the presence of an antioxidant, and discarding the adsorbent together with the impurities carried thereby.

1,983,655

PITMAN CONNECTION

Pearl J. Bowman, Bell, and William F. Bowman, Ocean Park, Calif.

Application May 13, 1929, Serial No. 362,508
12 Claims. (Cl. 287—93)



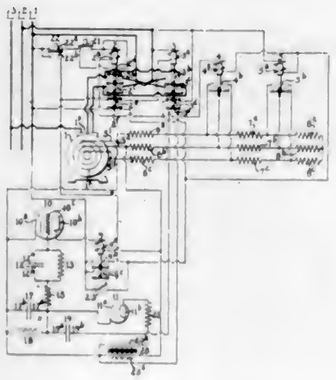
12. The combination of a wrist pin, a pitman having an opening for the reception of a bearing

block, a bearing block in which the wrist pin is journaled, means for holding the bearing block in assembled relation on the wrist pin independent of the pitman, the bearing block having diametrically opposed domes having the shape of a segment of a sphere and spaced apart on the bearing block, a pair of spaced bearing caps carried by the pitman and in which the domes are slidably mounted, the bearing caps being relatively movable toward and away from each other in the direction of the longitudinal axis of the pitman whereby the bearing block while carried on the wrist pin may be passed in and out of the opening in the pitman in the direction of the wrist pin and transversely of the pitman.

1,983,656
MOTOR CONTROL

Glendon C. Brown, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application June 15, 1931, Serial No. 544,348
6 Claims. (Cl. 172—274)



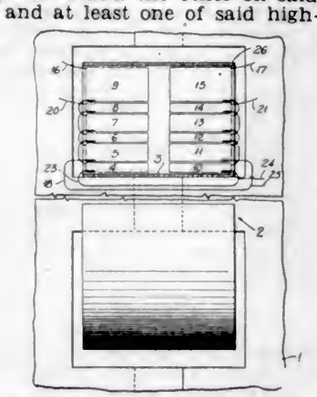
1. In combination, a power supply, a motor supplied thereby, a circuit supplied with alternating current whose frequency varies with the speed of the motor, means for connecting the motor to said supply including a gaseous discharge tube connected to said alternating circuit and having a grid, an oscillating circuit connected between said alternating circuit and said grid, means to impress a voltage of said alternating circuit upon said oscillating circuit to initiate an oscillating voltage therein and impress it upon said grid to permit current flow through said tube when the frequency of said alternating circuit is above a given frequency approximately equal to the frequency of said oscillating circuit and stop the flow of current through said tube when the frequency of said alternating circuit is below said given frequency.

1,983,657
TRANSFORMER CONSTRUCTION

Henry R. Butler, Verona, and John L. Weston, East Orange, N. J., assignors to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application December 20, 1933, Serial No. 703,180
14 Claims. (Cl. 175—356)

1. A transformer comprising, a coupling medium of magnetic material, and a plurality of high potential and low potential windings interleaved one within the other on said coupling medium and at least one of said high-potential



windings having a disproportionately large number of turns therein.

1,983,658
COLORLESS SYNTHETIC RESIN AND PROCESS OF MAKING SAME

Oscar A. Cherry, Chicago, Ill., assignor to Economy Fuse and Manufacturing Company, Chicago, Illinois, a corporation of New York

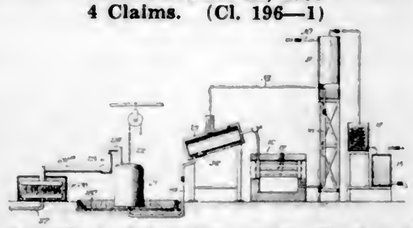
No Drawing. Application August 14, 1930
Serial No. 475,376
3 Claims. (Cl. 260—8)

1. The method of making substantially water white products which comprises heat treating a mixture of the following substances in substantially the proportions specified:—
200 grams of citric acid crystals
100 grams of glycerol
8 cubic centimeters of 0.1% solution of methyl violet 2 B in water,
subsequently giving form to the viscous material produced thereby and finally heat treating the formed material until substantially water white.

1,983,659
METHOD FOR HANDLING RESIDUUM

John Cutter, Tulsa, Okla., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application March 19, 1927, Serial No. 176,589
Renewed June 21, 1933
4 Claims. (Cl. 196—1)

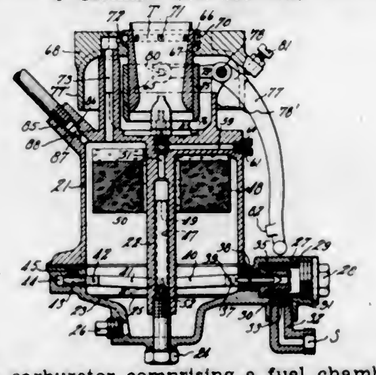


3. A method of handling unvaporized residual oil obtained in the heat and pressure cracking of hydrocarbon oils and containing volatile portions and heavy asphaltic products which comprises removing such residual oil from a cracking zone under superatmospheric pressure and introducing the same while at elevated temperature into a vaporizing zone, contacting the entire portion of the residual oil so removed from the cracking zone, with a cooling liquid other than the residual oil, lowering the pressure on the residual oil while in transit from the cracking zone to the vaporizing zone sufficiently to vaporize the volatile portions of the residual oil by the self-contained heat of the latter, effecting substantial solidification in said vaporizing zone of the heavy asphaltic products of the residual oil contacted with the cooling liquid, and separately removing the vaporized volatile portions and the solidified products from said zone.

1,983,660
CARBURETOR

John Robert Fish, West Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a corporation of Massachusetts

Application July 14, 1932, Serial No. 622,372
6 Claims. (Cl. 261—72)

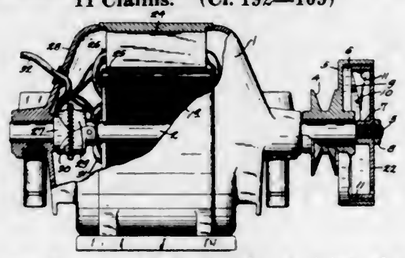


1. A carburetor comprising a fuel chamber, a Venturi tube spaced from the fuel chamber so as to have substantially circumferential connection with the atmosphere at its end adjacent the fuel chamber, a throttle sleeve slidable over the Venturi tube to regulate the extent of opening of said connection, the second end of the Venturi tube being connected to the intake manifold of an engine, a nozzle opening into the throat of the Venturi tube and connected to the fuel chamber beneath the fuel level thereof, and a connection between the second end of the Venturi tube and the fuel chamber.

1,983,661
CENTRIFUGAL DEVICE

Walter A. Frantz, Cleveland Heights, and Arthur W. Seyfried, Cleveland, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application November 24, 1930, Serial No. 497,678
11 Claims. (Cl. 192—105)



1. In a centrifugal clutch, a drive shaft, a freely rotatable cup-shaped driven element sleeved on said shaft, and a driving element rigidly carried by said shaft formed in its entirety from a single integral piece and having a centrifugally movable portion adapted at a predetermined speed to effect driving connection with said driven element, said driving element being received in the first named element and having a disk-like portion providing a cover or closure therefor.

1,983,662
ROLLER SUCH FOR EXAMPLE AS IS USED IN CALENDERS

Emil Gminder, Reutlingen, Germany, assignor, by mesne assignments, to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts

Application December 11, 1930, Serial No. 501,514
In Germany October 5, 1929
2 Claims. (Cl. 92—77)

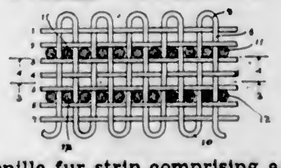


1. A calender roller comprising a shaft and a body composed of alternately arranged sections containing cottonized bast fiber and sections made from cotton fibers.

1,983,663
CHENILLE FUR FOR CARPET MAKING

James Hamilton, Brantford, Ontario, Canada, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y.

Application June 30, 1932, Serial No. 620,090
2 Claims. (Cl. 139—395)



1. A chenille fur strip comprising an arrangement of seven warp threads, a continuous weft thread woven in interlacing arrangement across the warp threads and looped at the outer sides of the outer warp threads, and yarn tufts looped around the weft threads with a pair of warp threads on the outer sides of each tuft held in close engaging contact with the tufts by the looped weft threads, the central warp thread being of coarser count than the outer warp.

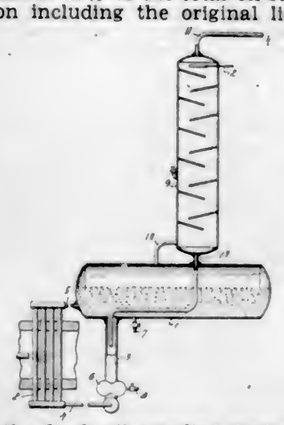
1,983,664
PROCESS OF CRACKING HYDROCARBONS

Eugene C. Herthel, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application August 18, 1926, Serial No. 130,049
1 Claim. (Cl. 196—59)

A process of cracking higher boiling hydrocarbons to form lower boiling hydrocarbons, which comprises heating a liquid body of hydrocarbon oil of which not more than about 50% boils off at 600° F. at atmospheric pressure to a cracking temperature under a pressure of not more than about 60 pounds per square inch by circulating oil from said liquid body through heating tubes and back to said body, and taking off vapors from said liquid body under pressure while continuing the heating operation, supplying fresh hydrocarbon oil of the same character to and withdrawing tar laden oil from the said liquid body of oil as the operation progresses, subjecting the vapors taken off from said liquid body to a refluxing operation and returning reflux condensate formed thereby to said liquid body, and regulating the supply of fresh oil and the withdrawal of tar laden oil so that throughout the major portion of the operation the amount of oil taken off as final distillate does not substantially

exceed about 40% of the total oil supplied to the operation including the original liquid body of



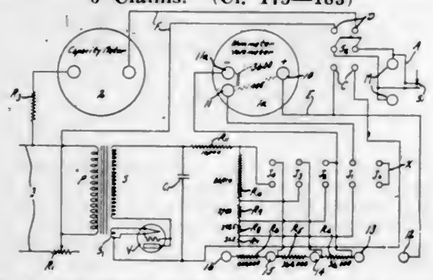
oil and the fresh oil supplied during the operation.

1,983,665

ELECTRICAL MEASURING INSTRUMENT

Robert D. Hickok, Cleveland, Ohio, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application December 18, 1931, Serial No. 581,886
6 Claims. (Cl. 175—183)



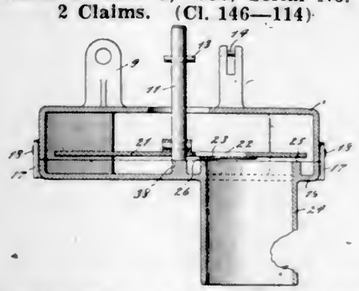
1. A combined instrument for testing condensers, comprising an ohmmeter, a capacity meter, circuits adapted for connection to an alternating current source and provided with means for applying an alternating current potential to said capacity meter and a direct current potential to said ohmmeter, means for connecting a condenser to be tested alternatively to either of said meters, and switch means for short circuiting said condenser when connected to either of said meters.

1,983,666

SLICING MECHANISM

Robert Hoe, Hyde Park, N. Y.

Application October 3, 1930, Serial No. 486,110
2 Claims. (Cl. 146—114)



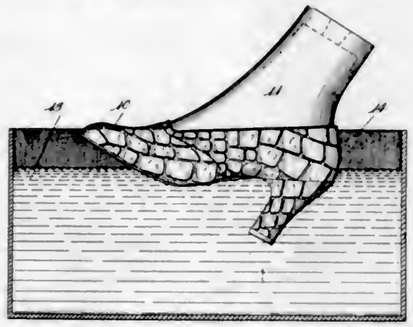
1. In combination, a power unit comprising a driving shaft having a bore in the end thereof, a casing detachably mounted on said power unit and having an opening in the rear wall thereof in alignment with said driving shaft, a device operating within said casing and having a driven shaft extending through said opening into said bore, cooperating clutch elements on said driving and driven shafts, and a front wall on said casing engaging the end of said driven shaft to prevent its movement out of said bore.

1,983,667

METHOD OF MAKING A MOLDED RUBBER ARTICLE

Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 13, 1932, Serial No. 604,909
12 Claims. (Cl. 18—58)



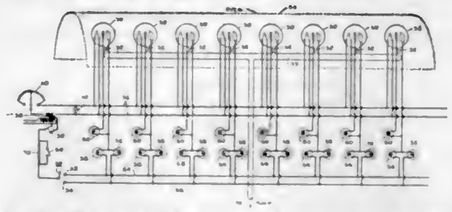
1. The method of making a hollow rubber article which comprises molding a layer of rubber upon a previously formed article to provide a female negative rubber matrix, turning the same inside out to provide a male negative rubber matrix, molding a layer of rubber upon the said male negative rubber matrix, and turning the last said layer inside out to present its matrix-molded surface as an outer surface of the final product.

1,983,668

MANUFACTURE OF ELECTRON EMISSION TUBES

Lester L. Jones, Oradell, N. J., and Joseph A. Flanzer, Brooklyn, N. Y., assignors to Technidyne Corporation, New York, N. Y., a corporation of New York

Application October 29, 1929, Serial No. 403,192
10 Claims. (Cl. 250—27.5)



1. In the manufacture of electron emission tubes having an oxide coated cathode, the method which includes heating and evacuating the tube for a substantial period of time, say five minutes, energizing the cathode and thereby raising the cathode temperature to approximately its normal operating temperature while continuing the heating and evacuation of the tube, for a longer period of time, say ten minutes, and then activating the cathode by both increasing the cathode temperature substantially above normal and applying a high positive anode potential immediately thereafter for a shorter period of time, say one minute, in order to bombard and activate the tube while the tube is still hot and while continuing the evacuation of the tube.

1,983,669

ELECTRODE

Harley E. Kimble, Chicago, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York

Application April 19, 1933, Serial No. 666,839
3 Claims. (Cl. 174—89)



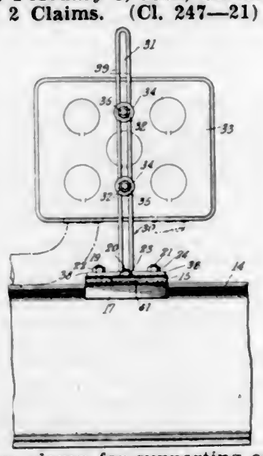
1. An electrode comprising two helical conducting members with insulation therebetween, said electrode being substantially circular in cross section, the periphery of the insulation intermediate the conducting members in such cross section having a radius slightly less than the radius of the periphery of the conducting members therein.

1,983,670

OUTLET BOX SUPPORT

Julian Gordon Knight, Brooklyn, N. Y.

Application February 5, 1931, Serial No. 513,601
2 Claims. (Cl. 247—21)



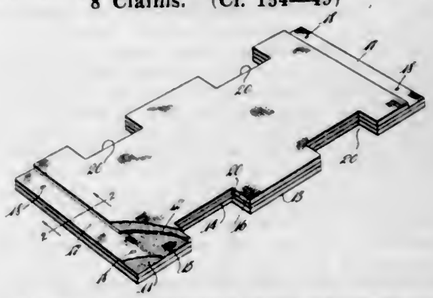
1. A beam clamp for supporting an outlet box or the like, comprising flat clamp plates disposed in flatwise engaged over-sliding relation and having inturned ends to grip the flanges of an I-beam or the like, said clamp plates having parallel, intermediate and side slots, a clamping bolt engaged in the intermediate slots for securing the clamp plates in gripping engagement on a beam, a projecting longitudinally slotted support for an outlet box or the like mounted on the clamp plate in position straddling said intermediate slots and having feet portions overstanding said side slots in the oversliding clamp plates and bolts extending through said side slots and through said feet portions of the support for securing said support in adjusted position on the clamp plates without disturbing the gripping engagement of said clamp plates on the beam.

1,983,671

GOLF TEE MAT

Charles W. Kohler, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 12, 1932, Serial No. 598,372
8 Claims. (Cl. 154—49)



1. A tee mat comprising a layer of rubber composition having low resistance to penetration and sufficient recovery to automatically partially close an opening formed by insertion on a tee therein.

1,983,672

BEESWAX SUBSTITUTES AND METHOD OF PREPARING THE SAME

Jules Labarthe, Jr., and Donald K. Tressler, Pittsburgh, Pa., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application January 15, 1930, Serial No. 421,064
21 Claims. (Cl. 260—116)

1. The method of preparing beeswax substitutes directly from aliphatic petroleum hydrocarbons with a melting point above 60° C., which comprises oxidizing the hydrocarbons and continuing the oxidizing reaction until a beeswax substitute having a melting point about 10° higher than beeswax is produced.

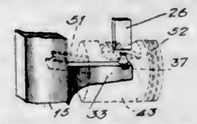
14. A new beeswax substitute consisting of an oxidation product having a melting point about 10° higher than beeswax comprising acids and esters and formed by the oxidation of aliphatic petroleum hydrocarbons with a melting point of 60° C. or above.

1,983,673

METHOD OF EXPANDING PISTONS

Robert Mundt, Cedar Rapids, Iowa

Original application May 9, 1932, Serial No. 610,198. Divided and this application February 25, 1933, Serial No. 658,555
3 Claims. (Cl. 28—156.5)

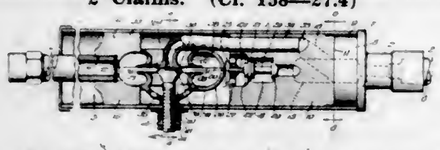


3. A method of expanding a piston comprising providing openings in the part to be expanded and driving a mandrel into the openings to expand the metal about the openings.

1,983,674
WELDING TORCH

Harry C. Peffer, La Fayette, Ind., assignor, by mesne assignments, to Utilities Research Commission, Inc., Chicago, Ill., a corporation of Illinois

Application February 18, 1931, Serial No. 516,533
2 Claims. (Cl. 158—27.4)

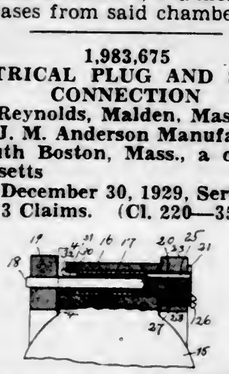


1. A welding torch comprising, in combination, a pair of separated gas conduits, an elongated casing serving as a mixing chamber, means placing the mixing chamber in communication with one of the conduits, a delivery nozzle communicating with the other of said conduits and extending longitudinally of said chamber and having its outlet end bent at substantially right angles to the main portion of the nozzle, a deflecting stud extending transversely of said elongated casing intermediate its ends and fixed adjacent to and cooperating with said nozzle so as to spread the gas flow from said nozzle into a thin discoidal jet lying in a plane which includes the major axis of said elongated casing and serving to direct the gas flow into contact with the gas in said chamber, whereby the two gases are mixed, and means conducting the mixed gases from said chamber.

1,983,675
ELECTRICAL PLUG AND SOCKET CONNECTION

Charles H. Reynolds, Malden, Mass., assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass., a corporation of Massachusetts

Application December 30, 1929, Serial No. 417,368
3 Claims. (Cl. 220—35)



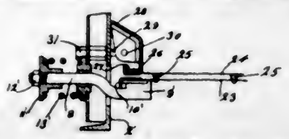
1. The combination with a receptacle provided with an opening, of a cover co-operating with said opening and provided with a barrel open at one end, an ear on said receptacle provided with an opening, a disk provided with a hub rotatably mounted in said ear and extended into said barrel, a coiled spring insertable into said barrel and having one end connected with the barrel and its other end connected with the hub of said disk to be wound up by rotation of said disk, means for securing said disk in fixed relation to said ear, and a pintle extended through said barrel and supported at one end by said receptacle and at its other end by said hub.

1,983,676
METHOD OF AND APPARATUS FOR SCREENING

Morley Punshon Reynolds, Cleveland Heights, and Wallace J. Piggott, East Cleveland, Ohio, assignors to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio

Application December 8, 1931, Serial No. 579,724
2 Claims. (Cl. 209—347)

1. An apparatus of the character described, the combination of a frame including spaced side-members, spaced woven wire screens disposed between said side members, means for floatingly supporting one of said screens to maintain the same in freely vibratory condition throughout its entire area, means for supporting the other of

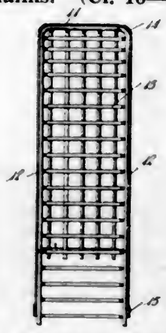


said screens on said last-named screen, and means for imparting vibration to one of said screens whereby vibration is imparted to the other through said supporting means.

1,983,677
METHOD OF MAKING SPONGE RUBBER ARTICLES

Ralph E. Riley, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application November 8, 1933, Serial No. 697,157
3 Claims. (Cl. 18—59)



1. The method of making sponge rubber articles which comprises calendering a sponge rubber composition to produce a sheet thinner than the walls of the desired article, cutting sections therefrom, assembling the sections upon a reticulated form, and vulcanizing the article by application of heat.

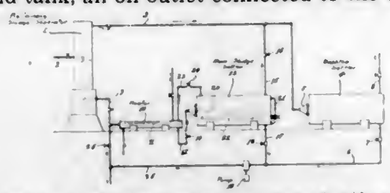
1,983,678
METHOD OF AND APPARATUS FOR TREATMENT OF OIL SLUDGE

John T. Rutherford, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application November 17, 1930, Serial No. 496,161
13 Claims. (Cl. 196—148)

1. In a process of separating entrained oil from acid sludge produced by the treatment of mineral oil with sulfuric acid at temperatures below the maximum reaction temperature of the acid and oil, the steps of quickly heating the sludge to a temperature at which rapid separation between the oil and sludge takes place but below the maximum reaction temperature of oil and acid in said sludge, and then abstracting heat from the sludge while settling said sludge to maintain the temperature of said sludge below a temperature at which ebullition and an appreciable amount of polymerization of oil by acid in said sludge takes place, and separating the oil from the settled sludge.

11. In an apparatus for processing acid sludge the combination of a vertical preliminary sludge separator, conduit means communicating with the upper portion of said vertical separator for withdrawing separated oil, a heater, conduit means connecting the lower portion of said vertical separator with said heater, a settling tank, pipe means for conveying sludge from said heater to said tank, an oil outlet connected to the top of

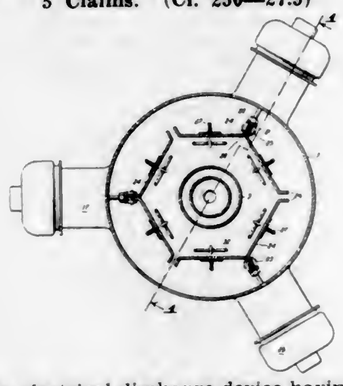


said tank, a sludge outlet communicating with the lower portion of said tank, a cooling coil positioned in the lower portion of said tank, and means for supplying cooling fluid to said coil.

1,983,679
ELECTRICAL DISCHARGE TUBE

Philip F. Scofield, San Bruno, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada

Application July 29, 1932, Serial No. 625,869
5 Claims. (Cl. 250—27.5)



1. An electrical discharge device having an envelope, a central fluid-cooled anode mounted coaxially with said envelope, a plurality of electrically separated sections of a control electrode polygonally arranged around said anode, and an electron-emitting cathode interposed between said sections of a control electrode and said anode.

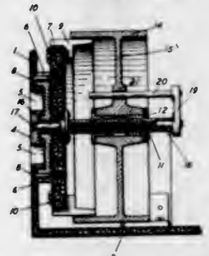
1,983,680
VARIABLE CAPACITY

Philip F. Scofield, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada

Application November 5, 1932, Serial No. 641,473
3 Claims. (Cl. 175—41.5)

1. In combination, a panel, a stator comprising a portion having an exterior cylindrical surface rigidly mounted on one side of said panel, a hollow stationary screw mounted on said panel concentric with said stator, a conductive hollow cylindrical cover for said stator having an axial threaded bearing on said screw, a drive shaft extending through said hollow screw, a driving dial mounted on the said shaft on the other side of said panel, means slidably engaging said cover attached to the inner end of said shaft whereby said cover is rotated to change the capacity relation of said cover to said stator when said dial is rotated, and means for indicating both the progression along the screw and the degree of rotation.

2. In combination, a panel, a pair of stators each in the form of substantially half of a cylinder mounted on said panel and insulated from each other, a hollow stationary screw mounted on said panel concentric with said stators, a conductive cylindrical rotor adapted to cover closely but not touch said stators, said rotor having an



axial threaded bearing on said screw, and means operable from the front of said panel to rotate said rotor, whereby the capacity between said rotor and each of said stators is changed, and means for indicating the amount of change.

1,983,681
SAUSAGE TREATING METHOD

Floyd Seaver, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois

Application December 24, 1931, Serial No. 582,906
4 Claims. (Cl. 99—11)



1. The method of treating sausage comprising stuffing, linking, packing in containers, freezing while in said containers, thereafter de-frosting the twisted connecting portions of the sausage casing sufficiently to permit hanging upon a smoke stick while maintaining the sausage in a frozen condition and subsequently smoking.

4. A sausage package comprising a container, unsmoked linked sausage in said container in a plurality of layers, each layer consisting of a plurality of rows, all the links in each entire layer being linked into a single string of the number of individual links desired for an individual length of smoke stick, said container having in the bottom thereof, a plurality of strips somewhat narrower than the individual links of sausage and arched to a degree equal to the natural curve of the casings used for stuffing the product thereby providing a support therefor and preventing distortion thereof.

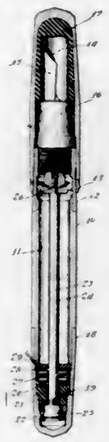
1,983,682
FOUNTAIN PEN

Walter A. Sheaffer, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware

Application March 12, 1934, Serial No. 715,063
8 Claims. (Cl. 120—47)

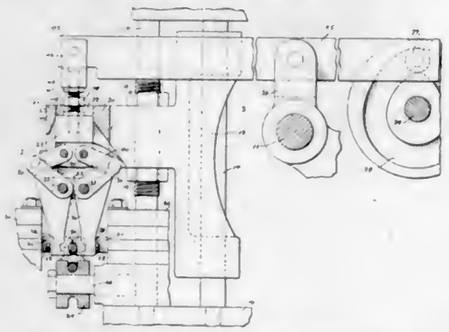
1. In a fountain pen of the character described, a plunger for a reciprocal rod in the barrel thereof comprising a disk formed of yielding resilient material, a backing plate on said rod having a concave face for engaging one side of said disk, and a clamping member of substantially smaller diameter than said disk for holding said disk in conforming engagement with said concave face, said backing plate being substantially rigid and extending over a substantial portion of said disk to provide a flexure of said disk at a peripheral

portion thereof when said rod is moved in one direction to effect a maximum ease of movement



while maintaining a substantially air-tight engagement of said disk with the bore of said barrel.

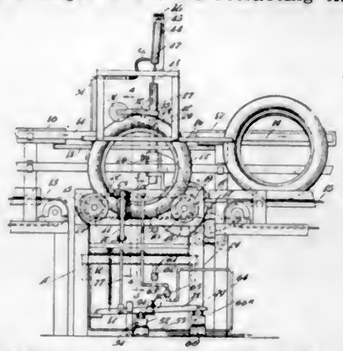
1,983,683
CHAIN FORMING MACHINE
Frank E. Stahl, Tonawanda, N. Y.
Application June 23, 1933, Serial No. 677,297
2 Claims. (Cl. 59—31)



1. A chain forming machine, comprising pairs of electrodes for heating the joint of each chain link being welded, means for applying pressure to the link for effecting a weld at the link joint, and a swell reforming device, comprising two oppositely arranged rocker arms, anvils carried by the rocker arms and arranged between a pair of electrodes at each side of the link joint, a slidably mounted toggle block above the arms, toggle links connecting the block with the arms, a ram lever connected to the block, and cam means for actuating the ram lever.

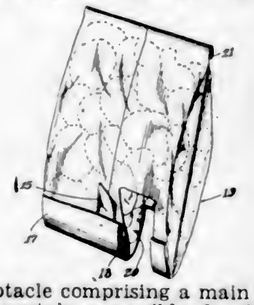
1,983,684
TIRE PAINTING AND TRIMMING MACHINE
Walter J. Strong, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 11, 1932, Serial No. 637,299
6 Claims. (Cl. 91—14)

2. A machine for trimming and painting annular rubber articles, said machine comprising means for supporting and rotating the article, means for trimming the article as it is rotated, means for applying a lubricating finish coat to the article, and a single device for retracting the trim-



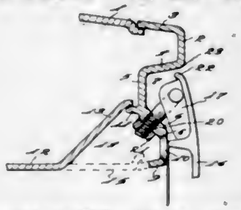
ming mechanism and controlling the coating mechanism.

1,983,685
RECEPTACLE FOR FOOD PRODUCTS
Robert Harold Townsley, New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application November 10, 1932, Serial No. 641,997
7 Claims. (Cl. 206—47)



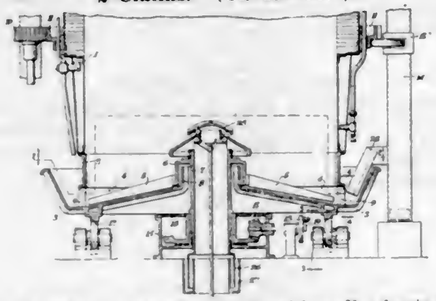
1. A receptacle comprising a main bag portion adapted to contain a sensibly dry food product having a portion of one end lapped back upon a wall of said main bag portion and secured thereto to form an auxiliary compartment adapted to contain a sensibly dry flavoring material, and means interposed between said lapped-back portion and an adjacent wall of said main bag portion to provide for ready unlapping of said lapped-back portion so that said auxiliary compartment will communicate with said main bag portion to allow the flavoring material to intermix with the food product.

1,983,686
CONCEALED HINGE MECHANISM FOR RANGE DOORS
Russell D. Wells, Pottstown, Pa.
Application December 2, 1931, Serial No. 578,546
Renewed May 5, 1934
5 Claims. (Cl. 126—194)



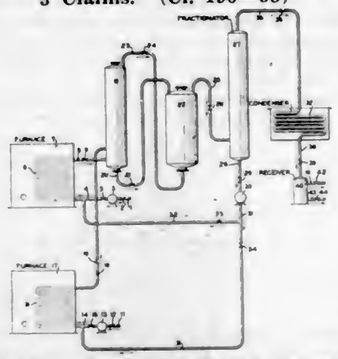
1. In a concealed hinge mechanism for ranges, a front wall inwardly deflected to form a recess at one side of a door opening, a door to close said opening substantially flush with said front wall, and spaced hinge pins extending through a wall of said recess and concealed by said door, said hinge pins serving as stops to limit the extent of opening movement of the door.

1,983,687
GAS PRODUCER
Arthur C. Wolfe, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application May 25, 1932, Serial No. 613,342
2 Claims. (Cl. 48—85.1)



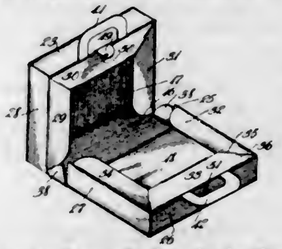
1. A gas producer having a sidewall adapted to enclose a firebed, an ash-receiving pan located under said sidewall and surrounding the bottom thereof to afford a seal for the interior of the producer, said gas producer having an ash-ejecting passageway adjacent the bottom of the sidewall, tie-pieces connecting said sidewall and pan, a rotary ash-ejecting member operating within the sidewall adjacent said ash-ejecting passageway, means for rotating said sidewall and pan in unison, said agitating member being free of any positive driving connections whereby it tends to be rotated with the sidewall and pan through the medium of the ash, and a variable motion retarding device connected to said agitating member adapted to produce a speed differential between it and the sidewall and pan.

1,983,688
TREATMENT OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application March 11, 1932, Serial No. 598,142
3 Claims. (Cl. 196—58)



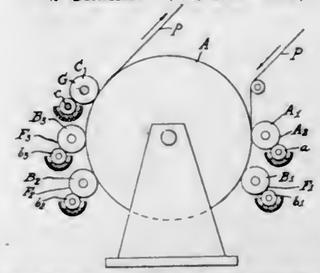
1. A hydrocarbon oil cracking process which comprises passing a relatively heavy oil through a heating zone and heating the same therein to cracking temperature under pressure, discharging the heated oil into the lower portion of a substantially vertical reaction zone maintained under cracking conditions of temperature and pressure, separating the heated oil into vapors and unvaporized oil in the lower portion of the reaction zone and rapidly withdrawing the unvaporized oil to prevent appreciable liquid accumulation in the reaction zone, simultaneously heating a lighter oil in a second cracking zone to higher cracking temperature than said heavy oil and then discharging the same into the reaction zone a substantial distance below the top thereof and above the point of introduction of said heated oil, thereby preventing contact between the vapors of the lighter oil and said unvaporized oil and commingling the lighter oil vapors with the first-mentioned vapors, passing the commingled vapors upwardly through the reaction zone and removing the same from the upper portion thereof, and fractionating and condensing the withdrawn vapors.

1,983,689
CONTAINER
James R. Bedell, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 15, 1933, Serial No. 680,599
3 Claims. (Cl. 229—52)



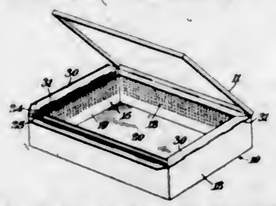
1. A container formed of a single sheet of flexible material comprising a pair of connected trays foldable face to face to provide a closed article, the sides of each tray being provided with integral inturned flanges to retain articles in place when the container is opened, and readily separable locking means integral with the trays for holding them in separable closed relation.

1,983,690
METHOD OF MANUFACTURING WALL PAPERS
Josef Behrens, Berlin, Germany
Application October 26, 1931, Serial No. 571,042
In Germany October 27, 1930
2 Claims. (Cl. 101—178)



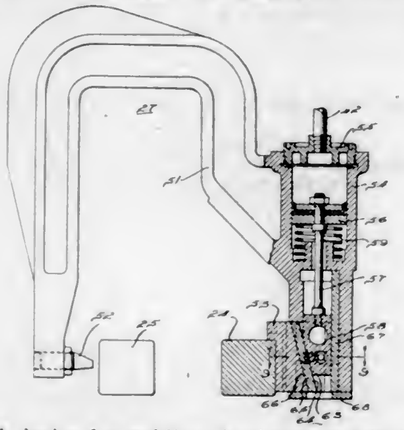
1. A machine for the manufacture of coloured wall-paper comprising a paper-web carrying cylinder, a grounding roller, three printing rollers in correspondence to the three colours to be applied on the wall-paper, the printing area of the single roller being in correspondence to its colouring capacity and a smoothing coating applying roller, all of these rollers being spaced around the cylinder and contacting therewith.

1,983,691
PERFUMING DEVICE
Joseph Bonardi, New York, N. Y.
Application April 11, 1933, Serial No. 665,527
3 Claims. (Cl. 217—7)



1. A device of the kind described comprising a container having a compartment for storing clothing, a cover for said compartment, said compartment having an enclosing outer wall and a perforated inner wall spaced circumferentially from said outer wall and defining therebetween a continuous perfume distributing space completely surrounding the sides of said compartment, means to prevent flow of liquid along the bottom of said space into the bottom of said compartment, an absorbent material arranged in said perfume distributing space and adapted to contain a perfuming substance, and means for holding said absorbent material adjacent said outer wall and in spaced relation to said inner wall to prevent passage of liquid contained in said absorbent material through said perforated inner wall and to permit free circulation of perfume evolved from said absorbent material around and through the perforated side walls of said compartment.

1,983,692
WELDING DEVICE
Joseph Calley, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application June 13, 1932, Serial No. 616,872
5 Claims. (Cl. 219—4)

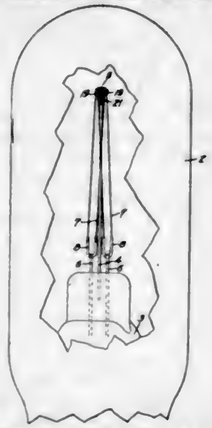


1. A device for welding sheet material including, in combination, a pair of spaced conducting bars against one of which the work to be welded is supported, a bridging device therefor having electrodes thereon one of which is movable to form a clamp, a source of current for effecting the welding operation, and automatic means separately and remotely disposed for effecting a sequence of operation, including the clamping of the device, the flow of current therethrough, the interruption of the current and the unclamping of the device.

1,983,693
TREATMENT OF HYDROCARBON OILS
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 29, 1933, Serial No. 663,342
4 Claims. (Cl. 196—10)

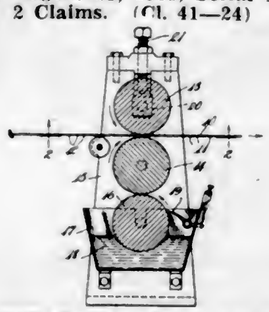
1. A process for increasing the anti-knock value of natural and straight-run gasoline to produce a commercial anti-knock automotive fuel, comprising subjecting said gasoline to thermal cracking conditions of temperature and pressure to form therein polymerizable olefines, and thereafter polymerizing the cracked product by subjecting the same to the action of an acid of phosphorus.

1,983,694
FILAMENT SUPPORT
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application December 11, 1933, Serial No. 701,757
5 Claims. (Cl. 176—39)



1. In an envelope containing a pair of hairpin shaped filaments and a standard disposed adjacent the filament, a filament support comprising a pair of parallel wires joined at one end and having a portion thereof including the joined ends coiled about the standard, and means at the free ends thereof for engaging the bights of the filaments.

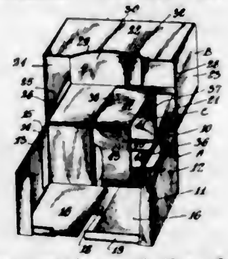
1,983,695
METHOD OF DECORATING SHEET RUBBER
Frank Fenton, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 23, 1933, Serial No. 686,391
2 Claims. (Cl. 41—24)



1. The method of making an ornamental sheet of resilient material which comprises permanently forming a sheet of resilient rubber having raised portions on one face thereof, from a suitable compound of one color, and changing the appearance of the sheet by applying ink of another color to the raised portions of the sheet.

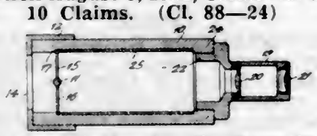
CARNEGIE LIBRARY OF ATLANTA

1,983,696
DISPLAY CONTAINER
John J. Gaffney, New Haven, Conn., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application July 6, 1932, Serial No. 621,013
9 Claims. (Cl. 206—44)



1. A display container of the character described, including in combination, a body portion and a cover portion, both of said portions having a supporting wall and surrounding front, rear and end walls adapted to contain merchandise, the rear wall of said cover portion being hinged to the rear wall of the body portion, and a supporting bracket cut from the rear walls of said body and cover portions, said bracket being scored transversely to permit the same to buckle outwardly and support the cover portion in display position.

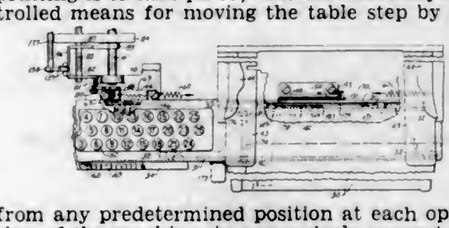
1,983,697
OPTICAL SOUND RECORDING AND REPRODUCING SYSTEM
John O. A. Holloway, New York, N. Y., assignor to National Sound System, Inc., Jersey City, N. J., a corporation of New Jersey
Application August 8, 1931, Serial No. 555,923
10 Claims. (Cl. 88—24)



1. An optical device for the reproduction of sound waves on or from a moving film, the combination with a light source, of a transparent light-refracting cylinder of circular cross-section disposed to receive rays of light emitted from said source and focus them in a narrow elongated zone of illumination close to the cylinder, and optical lens means for uniformly distributing such rays of said zone as proceed from its central portion to the exclusion of such rays as proceed from its longitudinal marginal portions to produce at a distant focal point a sharply defined image on the film.

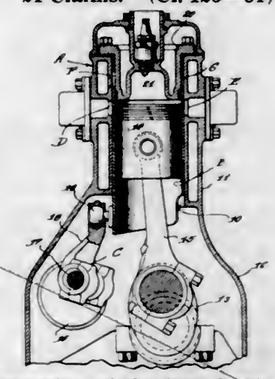
1,983,698
PRINTER CARRIAGE CONTROL FOR CASH REGISTERS
Herbert Kaufmann, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 6, 1932, Serial No. 603,559
20 Claims. (Cl. 101—93)

1. In a machine adapted to print upon insertable record material, the combination of a manually movable table carrying record material; a series of manipulative devices for predetermining on what line on said record material the printing is to take place; and automatically controlled means for moving the table step by step



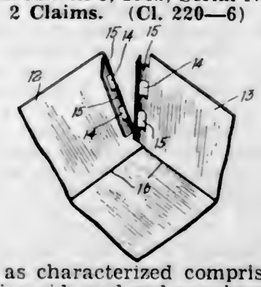
from any predetermined position at each operation of the machine, to successively present different lines on the record material to receive the printing.

1,983,699
ENGINE
James W. Kinnucan and James O. Fink, Detroit, Mich., assignors to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 8, 1931, Serial No. 567,656
21 Claims. (Cl. 123—81)



1. In an engine of the type having a cylinder and associated sleeve valve adapted to move with combined oscillation and reciprocation, said cylinder and sleeve having cooperating intake ports, said ports having a circumferential width less than the oscillatory travel of the sleeve, adjacent cylinder ports being spaced circumferentially less than the said width of the sleeve intake ports.

1,983,700
KNOCKED DOWN BOX
Robert M. Lackey, Cohoes, N. Y.
Application March 5, 1932, Serial No. 596,927
2 Claims. (Cl. 220—6)



1. A box as characterized comprising a body portion having side and end members with marginal ends and adapted for sheetwise disposition, said members at said marginal ends having substantially rectangular perforations, said perforations being staggered and having off-sets

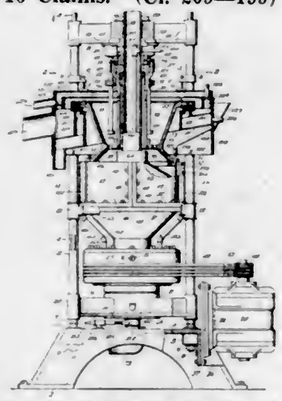
therebetween, and said off-sets being adapted to be turned inwardly to form semi-tubular members.

1,983,701

APPARATUS FOR RECOVERING GOLD AND OTHER PRECIOUS METALS FROM MILLED ORES AND PLACER MATERIAL

Frank D. Lewis, Denver, Colo.

Application May 16, 1933, Serial No. 671,300
16 Claims. (Cl. 209—199)



1. In apparatus of the character described, a conical mercury bowl, an amalgamating cylinder forming a continuation of said bowl and a concentrating bowl secured together in series, the concentrating bowl having a circular series of holes in its bottom, and means for rotating these members at a high rate of speed; a stationary valved feed pipe extending through them to within a short distance of the bottom of the mercury bowl, a member on the feed pipe having a cylindrical portion concentric with the amalgamating cylinder and spaced therefrom, and a conical part concentric with the mercury bowl and spaced therefrom and baffles on the cylindrical portion, stationary tubes extending down to near the bottom of the concentrating bowl for introducing a re-agent into said bowl, rotatable tubes surrounding the stationary tubes and spaced therefrom for introducing air into the lower end of said bowl, and agitating elements on the lower ends of said tubes, a launder for receiving the overflow from the concentrating bowl and arranged to separate the concentrates, the gangue, and the fines one from the other, and separately discharge them, and a valved outlet pipe in the mercury bowl.

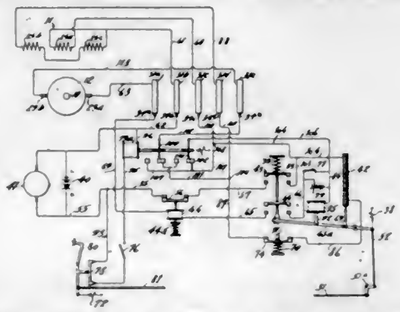
1,983,702

VARIABLE SPEED POWER TRANSMISSION

Ira C. Matthiessen, Chicago, Ill.

Application April 13, 1932, Serial No. 604,940
28 Claims. (Cl. 172—284)

1. In combination with a prime mover; a driven part; variable speed power transmitting means between the prime mover and driven part, comprising an electric clutch in the form of a dynamo electric machine having rotary field and armature elements, one element being connected to the prime mover and the other element to the driven part, said field including an exciting winding to provide initial excitation and other windings to cooperate with said exciting winding to provide subsequent excitation; a source of electricity; means for supplying current from said source to said exciting winding; a resistance; means for extending a circuit from said armature element to two junction points, two parallel branch paths joining said junction points, the windings of said field element being in one of said branch paths and said resistance being in the other of said branch paths; means responsive to current in said divided armature circuit to cut off the supply of current to said exciting winding; means for varying said resistance to vary the slip between said field and armature elements when in operation, means for subsequently modifying the armature circuit to place the closing of the exciting circuit beyond the control of current in the armature circuit.



8. In combination with a prime mover; a rotary member; variable speed power transmitting means operative between the prime mover and rotary member comprising an electric clutch in the form of a dynamo electric machine having rotary field and armature elements, one connected to the prime mover and the other to the rotary member; a variable resistance; means for including said resistance and windings of said field element in circuit with said armature element, said resistance and windings being in parallel relation to each other; and electromagnetic means for automatically actuating said resistance to cut down the current flow in said field element windings whenever the current through the armature element exceeds a definite value.

1,983,703

TREATMENT OF RUBBER LATEX

John McGavack, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a corporation of Connecticut

No Drawing. Application February 23, 1933, Serial No. 658,137
5 Claims. (Cl. 18—50)

1. A process for creaming fresh latex comprising incorporating small amounts of a water-soluble soap and a creaming agent in said latex.

1,983,704

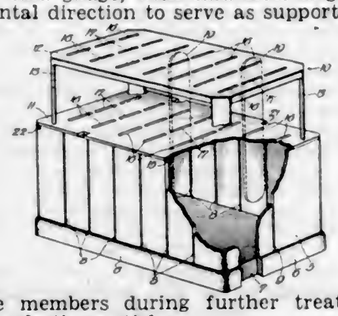
CONFECTION FORMING DEVICE

George A. Penrose, Kenneth F. Thomas, and George A. Penrose, Jr., Chicago, Ill.

Application May 16, 1932, Serial No. 611,452
7 Claims. (Cl. 107—8)

1. In a device of the class described, a rectangular box-like gauge adapted to receive a confection and provided with means for determining the division of said confection into a plurality of individual confection articles, a holder disposed upon the upper surface of said gauge and provided with a plurality of aligned slots disposed in spaced relation to said determining means, said slots being adapted to receive paddle members for insertion into each of said confection articles, and means carried by said holder for disposing said holder laterally

across said gauge, with said slots aligned in a horizontal direction to serve as supports for the



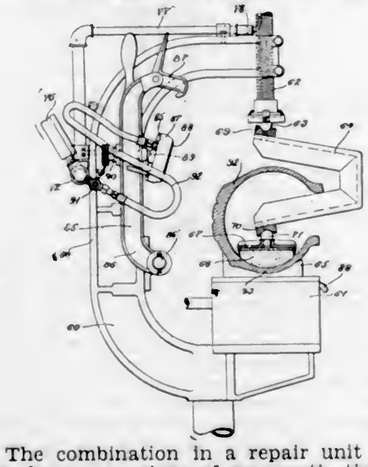
paddle members during further treatment of said confection articles.

1,983,705

TIRE AND TUBE REPAIR UNIT

Eric J. Pilblad, Nassau County, N. Y., and Edward Fetter, Baltimore, Md., assignors, by mesne assignments, to Gabriel Pneumatic Vulcanizer, Inc., a corporation of Ohio

Application July 8, 1931, Serial No. 549,414
6 Claims. (Cl. 18—18)



1. The combination in a repair unit for the outer shoes or casings of pneumatic tires, of a rigid support conforming to the surface of the casing as to a limited area corresponding to the repair, a pneumatic pad adapted to engage the opposite side of the casing covering a corresponding area and adjustable means for supporting the pad adjacent the casing applying an initial pressure to the work and means for inflating the pad to apply a predetermined vulcanizing pressure to the area to be repaired.

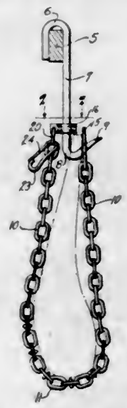
1,983,706

MEAT HOOK

John J. Quirk, Jersey City, N. J.

Application January 2, 1932, Serial No. 584,351
9 Claims. (Cl. 17—44)

1. In a device for supporting quarters of beef in transit, a meat hook member having an inverted U-shaped upper portion adapted to engage a hook rail, an elongate vertical shank portion and a hook at its lower end; a sling formed of chain, and consisting of single lengths at the ends of the sling, an intermediate hammock portion formed of parallel lengths of chain, rigid spreader or spacer elements forming the transverse portions of the hammock and having jointed and flexible connection with said parallel lengths, means presented rearwardly of the shank portion of the hook, for anchoring one end of the sling thereto, a washer at the opposite end of the sling adapted to be inserted



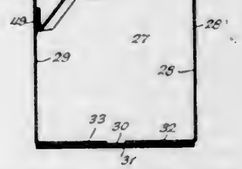
over the open end of the hook, and a snap link carried by the sling near at least one of its ends, and adapted to permit adjustment of the effectively utilized length of sling, to compensate for differences in size of beef quarters supported by the sling and hook.

1,983,707

DISPENSING RECEPTACLE

Alexander Rice, Brooklyn, N. Y.

Application November 22, 1933, Serial No. 699,101
16 Claims. (Cl. 221—98)



1. A dispensing receptacle comprising a body having a discharge outlet, means cooperating with a wall of said body to discharge a measured quantity of material through said outlet upon inversion of said body, top closure flaps for said body, and a closure member extending from one of said flaps and foldable so as to be inserted into said outlet for closing the same.

1,983,708

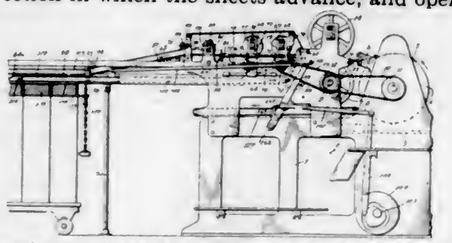
BOX BLANK MECHANISM

Charles Ruble, Charles L. Bond, and Edward P. Drake, Los Angeles, Calif., assignors, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 2, 1931, Serial No. 572,498
42 Claims. (Cl. 93—58)

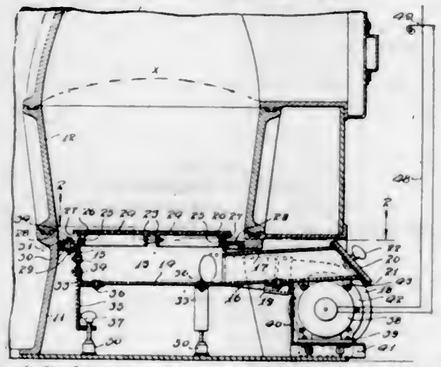
1. In a mechanism for forming box blanks in sheets with snips of waste material between the blanks, the combination of means for receiving and advancing each sheet of blanks, picker means including a plurality of picker spurs aligned

with the snips, having points projecting in the direction in which the sheets advance, and oper-



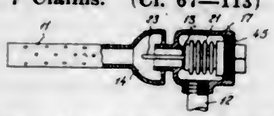
ating to penetrate the snips and withdraw them from between the blanks.

1,983,709
FUEL BURNER
Emil Schmidt, Detroit, Mich., assignor to Air-O-Mat Burner Company, Detroit, Mich., a firm consisting of William H. Kirby, Ambrose Dolney, Rodney M. Beach, and Herman P. Ward
Application September 28, 1932, Serial No. 635,208
7 Claims. (Cl. 110—69)



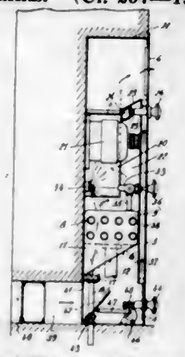
1. A fuel burner for use within a furnace having a fire pot and ash pit, said burner comprising in combination, a hollow body portion having an outside periphery similar in contour to the inside periphery of said fire pot, grates supported by the walls of said body, a port in said body communicating with an air impeller, a second port in said body communicating with a horizontally disposed tunnel member, means carried on the outside of said body for effecting an air-seal between said body and the walls of said furnace, and adjustable legs for supporting the whole assembly.

1,983,710
AUTOMATIC OPERATION OF FUEL BURNERS
Conrad Schuck, Jr., and George Layer, East Orange, N. J.
Application February 18, 1932, Serial No. 593,886
7 Claims. (Cl. 67—113)



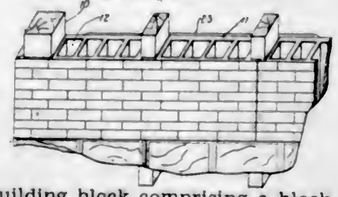
5. A corrector for correcting improper ignition or combustion in a fuel burner comprising a valve which controls the supply of fuel to the burner, a thermal responsive means comprising an expansible and contractible fluid operated bellows, an element carried by said bellows adapted in one position of the bellows to effect closing of said valve, a tubular member the interior of which is in communication with said bellows, a thermal expansible and contractible fluid in said member, said tubular member extending into a heat exchanging relationship with the mixing chamber where it will be heated by the heat from improper ignition or combustion, said thermal responsive means operating to close the valve and stop the supply of fuel to the burner when so heated and to open the valve and allow the burner to be again supplied with fuel when the heat due to improper ignition or combustion has dissipated.

1,983,711
RADIATOR TYPE AIR CONDITIONING APPARATUS
Horace L. Smith, Jr., and Lucian N. Jones, Richmond, Va., assignors to Thermal Engineering Corporation, Richmond, Va., a corporation of Virginia
Application October 21, 1933 Serial No. 694,560
8 Claims. (Cl. 257—138)



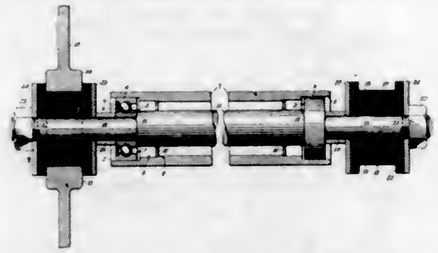
4. In a device of the type described, a housing having vertically spaced air openings therein, and a heat exchange device disposed in said housing in the path of air travel through said housing between said openings, said heat exchange device comprising at least one longitudinally extending fluid carrying duct, a plurality of vertical fins on said duct, said fins having straight lower edges disposed at an angle to the horizontal and terminating at downwardly disposed points substantially aligned longitudinally of the device and a moisture collecting trough disposed beneath said points of all of said fins.

1,983,712
FIREPROOF BUILDING BLOCK TILE
Charles B. Spicer, Brooklyn, N. Y.
Application July 29, 1932, Serial No. 625,625
3 Claims. (Cl. 72—16)



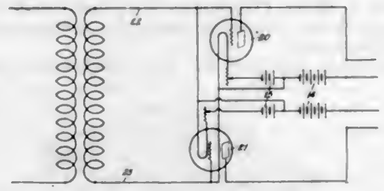
1. A building block comprising a block having a rearward extension adapted to fill the space between the framing members of a structure; said extension having a depth equal to the width of said framing members, so that the block may be inserted horizontally in a structure without altering or adding to the framing members and so as to form a continuous surface with the inner surfaces of the framing members; the front face of the block extended sidewardly to form flanges at both ends of the block; said flanges being of such sizes as to form a space between any two adjoining blocks substantially equal to the thickness of a framing member; and means provided in said flanges for receiving fastening means for securing the block to the structure.

1,983,713
SOUND INSULATED SHAFT MOUNTING
Frank H. Stearns, Highland Park, Mich., and Otto Neumer, Glenside, Pa., assignors to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application April 5, 1934, Serial No. 719,174
8 Claims. (Cl. 308—184)



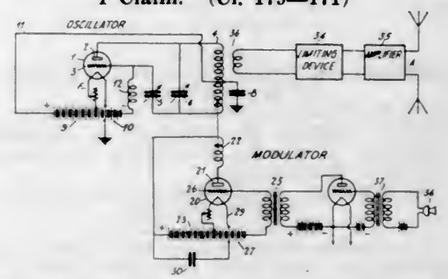
1. In a device of the character specified, the combination with a housing furnished with a pair of hubs, of rubber bushings mounted in the hubs, a dead shaft having its ends mounted in the bushings, the shaft being formed inwardly thereof at each end with a bearing seat and a shoulder inwardly of the seat, an anti-friction bearing having its inner ring mounted on such seat, a washer plate located on the inner face of the bushing, a spacer between the plate and the inner ring of the bearing, the outer end of the shaft being screw threaded, a washer plate mounted on the shaft outwardly of the bushing and a nut mounted on the screw thread and engaging the outer plate and compressing the bushing against the hub and against the shaft and clamping the inner washer plate against the spacer and thereby forcing the bearing to its seat against the said shoulder.

1,983,714
AMPLIFYING TUBE AND METHOD OF OPERATING SAME
Lincoln Thompson, Naugatuck, Conn., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application May 8, 1930, Serial No. 450,606
3 Claims. (Cl. 179—171)



1. In a thermionic tube having a cathode, a grid of material adapted to emit secondary electrons by impact of electrons from the cathode, and a plate, the method of obtaining distortionless amplification by operating the tube on a linear portion of the grid-voltage grid-current characteristic, which consists in adjusting the positive potential on the grid to such value that the emission of secondary electrons therefrom substantially neutralizes that portion of the primary electrons impinging on the grid from the cathode which causes the non-linear grid-voltage grid-current characteristic.

1,983,715
MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1931, Serial No. 570,343
1 Claim. (Cl. 179—171)

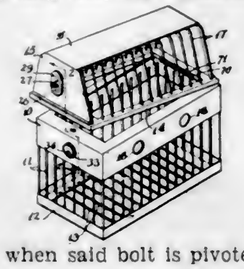


In a system for producing frequency modulated energy, the combination of an oscillator tube having an anode, a cathode, and a control electrode, an impedance and a source of potential connected in series between said control electrode and cathode for polarizing said control electrode to a suitable operating potential, a parallel tuned circuit comprising an inductance coil and a variable condenser connected in parallel, a connection between one terminal of said parallel tuned circuit and said anode, a variable condenser connecting the other terminal of said parallel tuned circuit to said control electrode, a by-passing condenser connecting an intermediate point of said inductance coil to said cathode, means for energizing the anode of said tube, whereby oscillations are set up by said tube at a frequency dependent upon the tuning of said parallel tuned circuit, and, a circuit for varying the frequency of said parallel tuned circuit, said frequency varying circuit comprising a second vacuum tube having a plate, a grid, and a filament, a coil connected between said plate and filament, said coil being magnetically coupled to said coil of said parallel tuned circuit, a low frequency circuit interconnecting the grid and filament of said last named tube, and, a source of low frequency currents coupled to said last mentioned circuit whereby variations in the current flowing through said last mentioned vacuum tube varies by virtue of the varying current flowing through said coil connected between the plate and cathode of said last named tube, the inductance of said parallel tuned circuit and hence the frequency of the oscillations produced by said oscillator tube.

1,983,716
SAFETY LOCK BOX
Angel Calo Vidal, Brooklyn, N. Y.
Application December 19, 1933, Serial No. 703,060
13 Claims. (Cl. 109—3)

1. A safety lock box, comprising a box having spaced openings on one side for lugs projecting from a support and provided with a cover, a lock for holding said cover closed and having a bolt pivotally mounted for unlatching when pivoted in either direction, a lock mechanism on

said box for engaging said lugs, and means associated with said bolt for unlocking said lock

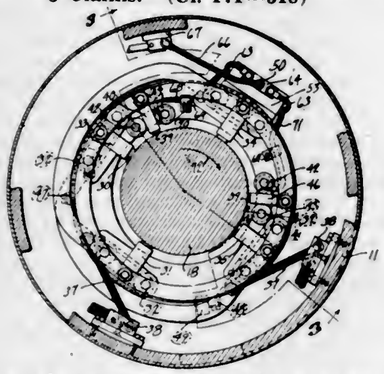


mechanism when said bolt is pivoted in one direction.

1,983,717
METHOD OF PRODUCING ALKALI METAL PYROARSENATES
Glenn H. Wagner, Belleville, and Wilburn L. Mowe, Lebanon, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 4, 1934 Serial No. 705,280
7 Claims. (Cl. 23—53)

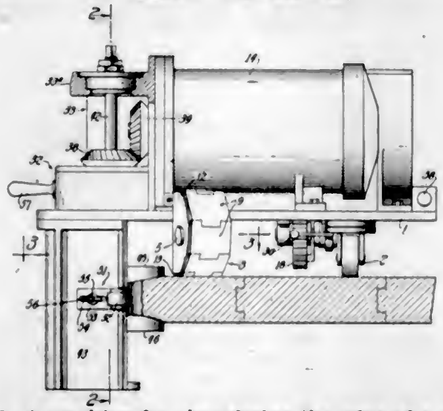
1. A method of producing pure alkali metal pyroarsenate comprising intimately mixing arsenious oxide, an alkali metal nitrate and the corresponding alkali metal carbonate in suitable proportions to liberate all of the nitrogen of the alkali metal nitrate as nitric oxide, and sintering said mixture at a temperature above the fusion point of the alkali metal nitrate-alkali metal carbonate eutectic.

1,983,718
ELECTRIC POWER GENERATING MACHINE
Henry C. Walter, Beloit, Wis., and William L. Nies, Chicago, Ill., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 17, 1932, Serial No. 643,067
5 Claims. (Cl. 171—318)



1. In an electric power system for a railway car, a reversible generator including a generator circuit, an enclosing frame including a removable closure plate at one end constituting a bearing arm, a ring structure detachably secured to the inner face of the closure plate, a commutator, main brushes, and a pair of third brushes, a brush carrier of annular form mounted on said ring structure, and arranged to be moved by friction of the brushes with the commutator through definite arcs, and a mercury switch assembly consisting of two elongated tube switch units, mounted together in endwise reversed relation, and operable, upon reversal of generator rotation, to connect either of said third brushes into the generator circuit to the exclusion of the other thereof, to maintain a constant direction of current output, the switch assembly including an enclosed switch mounting element secured to the peripheral portion of the carrier, the switch assembly, brushes and carrier being removable from the generator as an assembled unit upon disconnection of the brush and switch leads.

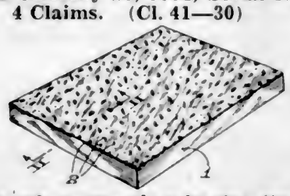
1,983,719
CHAMFERING MACHINE
Charles M. E. Wendnagel, Chicago, Ill.
Application June 9, 1933, Serial No. 675,059
15 Claims. (Cl. 147—40)



1. A machine for chamfering the edge of a vat bottom or other work embodying therein, a support, an endless tread mounted on the support for engagement and movement upon the work operated upon, a chamfering cutter carried by the support for operative engagement with said work and disposed intermediate the longitudinal limits of the endless tread, means for driving the cutter, and means for gauging the position of the cutter in its chamfering operation on the edge of said work.

3. A machine for chamfering the edge of a vat bottom or other work embodying therein a support, means providing an arcuate endless tread for said support having an axis point substantially at the center of the work operated upon, a chamfering cutter carried by the support for operative engagement with said work, means for driving the cutter, and means for gauging the position of the cutter in its chamfering operation on the edge of said work.

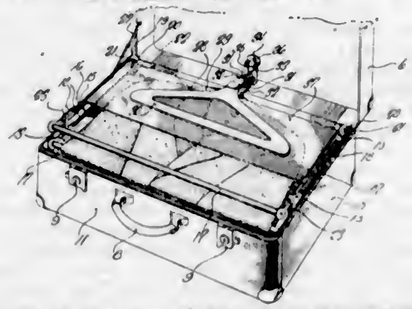
1,983,720
ORNAMENTAL GLASS AND METHOD OF MAKING THE SAME
George L. West, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application January 26, 1934, Serial No. 708,527
4 Claims. (Cl. 41—30)



1. A plate of opaque glass having its face polished and having pits of irregular shape irregularly distributed thereover, and coloring material in said pits of a color contrasting to that of the glass.

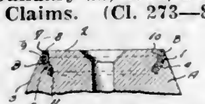
3. A process of ornamenting a plate of opaque glass having a polished face, which consists in directing over such face a blast of fluid under pressure carrying abrading particles of hard material in such manner as to form irregular pits in said face surrounded by areas of polished glass, applying a coat of coloring material over said face, and then rubbing said face to remove the coloring material lying over the polished portion thereof.

1,983,721
LUGGAGE
George Henry Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application September 23, 1930, Serial No. 483,795
12 Claims. (Cl. 190—41)



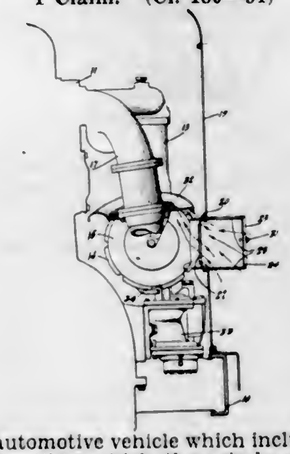
1. Hand luggage of the character described, comprising hingedly connected sections, a garment supporting frame hingedly mounted adjacent the hinged connection of the sections, said frame being adapted to have a garment draped thereover, a second garment supporting frame hingedly mounted adjacent the hinged connection of the sections and adapted to have a second garment draped thereover, said garment supporting frames being independently movable to and from alignment with either section when the luggage is open to enable either garment to be removed without disturbing the other, and means carried by one of the supporting frames and releasably connectable with the other garment supporting frame to hold the frames in a definitely spaced but rigidly connected relation for simultaneous movement.

1,983,722
BOWLING-ALLEY PIN AND METHOD OF MAKING SAME
William H. Williams, Highland Park, Mich., assignor of one-half to Maurice Hotchkiss, Detroit, Mich.
Application January 22, 1934, Serial No. 707,844
6 Claims. (Cl. 273—82)



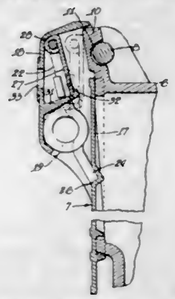
1. The method of making a bowling-alley pin including the steps for forming a hard wood body of predetermined configuration with bottom and side faces, forming in the body at the juncture of said faces an annular channel with opposite sides thereof extending respectively to the bottom and side faces of the body, placing an adhesive substance in the channel, inserting one end of a strip of non-elastic material into the channel, then inserting the remainder of said strip portion-by-portion lengthwise thereof into the channel until the free end of the strip meets the end in the channel, and finally grinding down the strip to provide meeting flat surfaces respectively flush with the bottom and side faces of the body.

1,983,723
CARBURETOR AIR INTAKE ARRANGEMENT
Livingston A. Wilson, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 21, 1931, Serial No. 576,543
1 Claim. (Cl. 180—54)



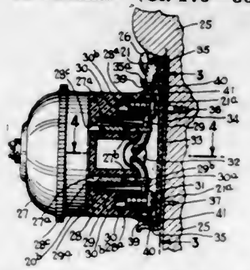
In an automotive vehicle which includes a compartment within which there is located an engine, a carburetor, and an exhaust passage through which a heated medium passes located in juxtaposition to the carburetor: an opening through which air is adapted to enter the compartment adjacent the carburetor, a deflector so associated with the opening that it directs air which enters the opening from without the engine compartment onto the carburetor, and a shield so located that it prevents access of heat from the exhaust passage to the carburetor and serves to guide the air from the deflector toward the carburetor.

1,983,724
JOURNAL BOX
George A. Woodman, Chicago, Ill.
Application January 13, 1932, Serial No. 586,259
5 Claims. (Cl. 308—47)



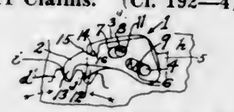
1. In a journal box having an open side, a hingedly mounted lid for closing the open side, a coil spring for holding the lid in closing position, and including a limb portion, and means unitary with said lid and engageable with the limb portion of the spring to hold it out of operative position to facilitate mounting of the lid on the box, said means being adapted to be released from said limb portion after said lid is mounted in position.

1,983,725
CURRENT TAPPING DEVICE
Abraham Abramson, New York, N. Y.
Application July 21, 1932, Serial No. 623,732
11 Claims. (Cl. 173—338)



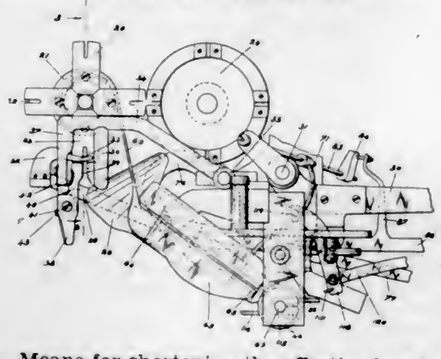
5. A device of the character described comprising an attachment member having a projecting portion, a support, means for securing said member to the support, an outlet receptacle having an insulated body and spaced socket openings extending therein from a front side of said body, current carrying parts fitted into the body from a rear side thereof and housed in said socket openings, said parts being totally enclosed within said body, and outwardly extending means formed on said body between said front and rear side for engaging the projecting portion to firmly mount the receptacle to extend wholly beyond the support, said projecting portion extending beyond the ends of the current-carrying parts.

1,983,726
ANTIBACKING ATTACHMENT FOR MOTOR VEHICLES
John L. Adams, Los Angeles, Calif.
Application December 8, 1930, Serial No. 500,857
11 Claims. (Cl. 192—4)



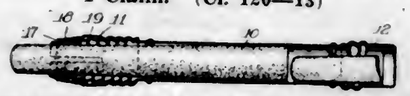
11. In an automobile having a driving shaft; a gear on said shaft; a combined dog and a safety guard to prevent the dog from engaging the gear teeth while said teeth are in rapid backward motion.

1,983,727
WINDING MACHINE
Mervin Allatt, Short Hills, N. J., assignor to Millie Patent Holding Co., Inc., New York, N. Y., a corporation of New York
Application November 8, 1932, Serial No. 641,704
15 Claims. (Cl. 226—56)



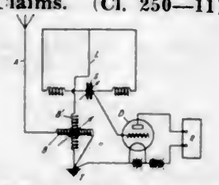
1. Means for shortening the effective length of a string secured to a bag-like receptacle comprising a rotatable member, positive means movable into the path of the rotatable member to stop the member, arms mounted on the member to engage a receptacle, means to move a receptacle to the rotatable member, means to actuate the stop means, and means to open and close the arms while the stop means is actuated.

1,983,728
CRAYON HOLDER
Nicolino Bafetti, Chicago, Ill.
Application September 15, 1933, Serial No. 689,539
1 Claim. (Cl. 120—13)



A crayon holder comprising a tubular barrel having its lower end slotted longitudinally to provide a plurality of radially flexible fingers, the lower ends of said fingers being provided with a plurality of transverse corrugations on both the outer and inner surfaces thereof, said outer corrugations extending outwardly beyond the original outer surface of the barrel, a portion of said barrel adjacent the upper ends of said fingers being threaded, and a clamping thimble having a frusto-conical portion provided with an opening at the lower end, said thimble having the upper portion thereof threaded for cooperative engagement with the threads of said barrel and having a diameter sufficient to accommodate said corrugated fingers whereby the large end of a tapered crayon can be positioned between the lower ends of said fingers for engagement by the lower inner corrugations thereof as the thimble is screwed rearwardly of the barrel to cause said conical portion of the thimble to engage the outer corrugations of the fingers and compress the same radially to force the lower inner corrugations into engagement with the crayon, the threaded portion of said thimble being of such length that said thimble can be moved rearwardly of said barrel sufficiently to cause the forward ends of the fingers to project from the thimble and be compressed by the coaction of one or more of said outer corrugations and the lower end of said thimble into gripping relation with the small end of a tapered crayon.

1,983,729
DIRECTION FINDER
Ettore Bellini, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil, Paris, France, a corporation of France
Application June 12, 1930, Serial No. 460,574
In France June 25, 1929
6 Claims. (Cl. 250—11)



1. In directional receiving systems the combination of a directional aerial circuit, an aperiodic non-directional aerial circuit, a connection between the electrical midpoint of the directional aerial circuit and ground, an inductive coupling between said non-directional aerial and said connection for introducing non-directional aerial effects from said aperiodic non-directional aerial circuit into said connection, and receiving apparatus including a thermionic tube having its input elements associated with said aerial circuits.

1,983,730
CAOUTCHOUC-LIKE MATERIAL
Robert Beyer, Brooklyn, N. Y., assignor to Robert Beyer Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 27, 1929
Serial No. 395,763
7 Claims. (Cl. 106—23)

1. The method of making a caoutchouc-like material which comprises mixing starch with water in the presence of a metallic soap having substantial water-repellent power and one or more soluble metallic chlorides adapted to form a mucilaginous pasty mass and convert a large proportion of the starch into a caoutchouc-like substance, treating said pasty mass with a solvent for the metallic soap adapted to render the conversion product immiscible with water, coagulating the conversion product, and washing the resulting coagulated caoutchouc-like material.

1,983,731
CAOUTCHOUC-LIKE MATERIAL
Robert Beyer, Brooklyn, N. Y., assignor to Robert Beyer Corporation, a corporation of New York
No Drawing. Application January 28, 1930
Serial No. 424,129
20 Claims. (Cl. 106—23)

1. The method of making caoutchouc-like material which comprises mixing starch with water in the presence of a soluble metallic chloride at temperatures not substantially higher than room temperatures adapted to form a mucilaginous mass of material, treating the resulting mass with aluminum palmitate allowing the mass to stand and permitting conversion to proceed until a substantial yield of caoutchouc-like material has been obtained, and then coagulating the resulting caoutchouc-like material.

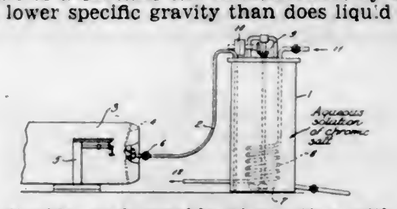
1,983,732
CAOUTCHOUC-LIKE MATERIAL
Robert Beyer, Brooklyn, N. Y., assignor to Robert Beyer Corporation, a corporation of New York
No Drawing. Application January 30, 1931
Serial No. 512,484
21 Claims. (Cl. 106—23)

1. The method of converting starch to a caoutchouc-like hydrocarbon which comprises thoroughly impregnating the starch with formaldehyde, subjecting the resulting mass to heat under pressure in the presence of a catalyst, separating the resulting caoutchouc-like conversion product from the other products of the conversion operation, and treating the caoutchouc-like conversion product with a water-insoluble metallic soap.

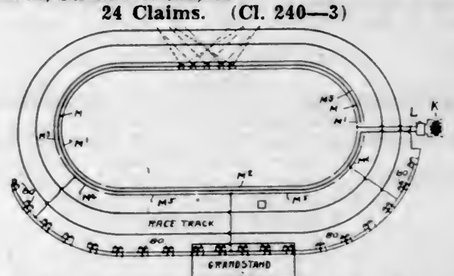
17. The method of converting starch to a caoutchouc-like material characterized by carrying out the conversion treatment of the starch in the presence of formaldehyde and magnesium under a pressure in excess of the atmospheric pressure and under a moderate condition of heat.

1,983,733
METHOD OF MAKING CHROMIC SALT SOLUTIONS
Frederick W. Binns, Quincy, Mass., assignor to Virginia Smelting Company, Portland, Maine, a corporation of Maine
Application November 14, 1932, Serial No. 642,588
8 Claims. (Cl. 23—117)

1. The process of preparing a basic chromic salt solution which comprises the step of introducing liquid sulphur dioxide into an aqueous solution of a chromic salt characterized by having a lower specific gravity than does liquid sulphur dioxide, and capable of reacting with the latter to form basic chromic sulphate.



1,983,734
RACE TRACK ILLUMINATION
George F. Cahill, New York, N. Y.
Original application January 17, 1934, Serial No. 706,903. Divided and this application May 4, 1934, Serial No. 723,936
24 Claims. (Cl. 240—3)

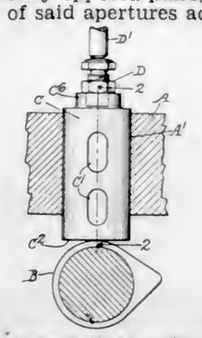


1. The method of lighting a field for the conducting of sports or contests for spectators at night, including as a part thereof a grandstand for spectators, in such a manner as to save electric current, increase visibility and reduce the strain upon the eyes of spectators, which consists in (*a*) lighting, from the general direction in which spectators in the grandstand are looking, the part of the field near to and in front of the grandstand brightly, and another part of the field less brightly, when no action is taking place upon the field or when action is taking place near to the grandstand only; (*b*) lighting more brightly said less brightly-lighted part of the field, when action is taking place thereon or may be about to take place thereon, from a direction other than the said general direction in which the spectators are looking, and such that rays of light so directed may fall into the eyes of spectators in the grandstand; and (*c*) putting out the lights from said other direction which light more brightly the less brightly-lighted part of the field and throw their light into the eyes of spectators in the grandstand, when action has ceased to take place in such less brightly-lighted part of the field.

1,983,735
TAPPET
Webster D. Corlett, Oak Park, Ill., assignor to Standard Screw Company, Hartford, Conn., a corporation of New Jersey
Application October 5, 1932, Serial No. 636,412
4 Claims. (Cl. 123—90)

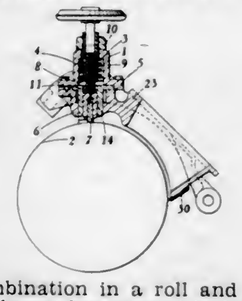
1. A valve tappet for engines comprising a hollow cylindrical member closed at each end and means for raising lubricant by said tappet, said means comprising the closure for one end of said tappet, the cylindrical wall being relatively thin and integrally united with the substantially thicker end walls, said cylindrical wall being provided with a plurality of relatively large cooling and lubricating apertures extending there-

through, the apertures being disposed in substantially diametrically opposed pairs, there being at least one pair of said apertures adjacent to each



end wall of the tappet, the apertures adjacent opposite ends of the tappet being in free communication with each other through the hollow interior of the tappet.

1,983,736
REFINING MILL OF THE ROLL AND ADJUSTABLE BREAST BAR TYPE
Henry Edward Cox, Bristol, and John Rowland Torrance, Bath, England
Application January 22, 1932, Serial No. 588,066
In Great Britain January 31, 1931
6 Claims. (Cl. 83—22)

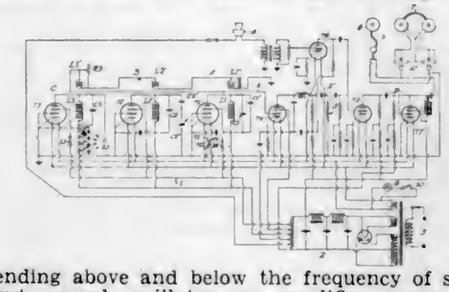


1. The combination in a roll and breast mill comprising a breast bar support including a fixed part and a movable breast bar housing, a breast bar in said housing, a normally positive adjusting screw bearing against said breast bar housing, a member in screw threaded relation with said screw, a normally unyielding spring interposed between said member and said fixed part, and additional spring means normally tending to draw said breast bar housing into bearing relation with said screw, whereby the bar can be brought into the desired working setting with relation to the roll with little or no pressure between the surfaces thereof.

1,983,737
EAR EXERCISING DEVICE
Joseph P. Davenport, Detroit, Mich., assignor to George W. Yeoman, Detroit, Mich.
Application July 7, 1933, Serial No. 679,346
8 Claims. (Cl. 174—177)

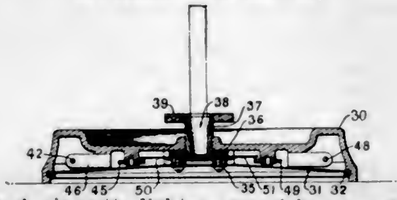
1. A device of the character described comprising an oscillator adapted to produce a constant audiofrequency tone, thermostatic means for automatically varying the frequency of said tone, and means amplifying said audiotone and for feeding said tone to a human ear.

4. A device for creating audible vibrations for measuring the hearing range of a human ear, said device comprising a rectifier, an oscillator connected to said rectifier and adapted to supply oscillations thereto at a constant frequency, a second oscillator connected to said rectifier, means for adjusting said second oscillator to a plurality of frequencies arranged in steps above and below the frequency of said first named oscillator, a third oscillator connected to said rectifier, means for infinitely varying the frequency of said third named oscillator through a frequency range ex-



tending above and below the frequency of said first named oscillator, an amplifier connected with said rectifier for amplifying the audiofrequency component produced by beating together the oscillations of said oscillators, and a reproducer connected to said amplifier for converting the audiofrequency component into audible sound waves.

1,983,738
CIGARETTE LIGHTER
Lincoln K. Davis, Brockton, Mass.
Application June 29, 1931, Serial No. 547,471
12 Claims. (Cl. 219—32)



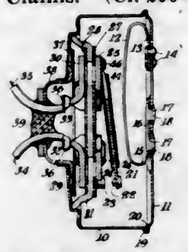
12. A cigarette lighter comprising a container having a chamber with an opening in one wall to receive the end of a cigarette and to act as an air inlet to and the only effective exit from the chamber, air heating and cigarette igniting means mounted in the chamber for igniting the end of an inserted cigarette and for heating and expanding air within the chamber and forcing heated air out through the inserted cigarette, and a switch for controlling the circuit through the heating and igniting means.

1,983,739
RAZOR STROPPER
Harry L. Dazey, Clayton, Mo.
Application March 2, 1932, Serial No. 596,204
4 Claims. (Cl. 51—65)



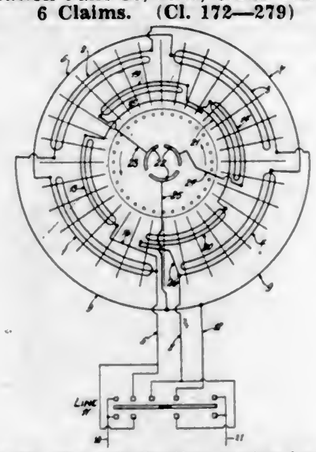
1. In a device of the class described, the combination of a frame, rollers mounted at opposed points in the frame, a rocking shaft intermediate of said rollers, means for connecting a blade with said rocking shaft, reciprocating stropping devices mounted above and below said frame, flexible members connecting said stropping elements and operating on said rollers, a handle for imparting movement to one of said frames and thereby moving the other frame in the opposite direction, and a resilient bar connected with one of said frames and bearing against the rocking shaft for actuating said rocking shaft to bring the blade supported thereby into alternate engagement with said stropping elements.

1,983,740
THERMOSTAT
Edward J. Deary, Brooklyn, N. Y., assignor to Automatic Fire Alarm Company, New York, N. Y., a corporation of New York
Application May 8, 1934, Serial No. 724,541
10 Claims. (Cl. 200—142)



1. In a thermostat of the character disclosed, a fuse spring, an exposed heat collector having an opening therethrough, said spring being bent into engagement with said exposed heat collector and having an opening registering with the opening in the heat collector and fusible material extending as a rivet through said aligned openings and whereby the presence of said rivet closing the openings indicates the restrained condition of the fuse spring and the absence of such rivet indicates a released condition of the fuse spring.

1,983,741
MULTISPEED SPLIT PHASE MOTOR
Clinton H. Dederick, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application June 30, 1930, Serial No. 464,721
6 Claims. (Cl. 172—279)



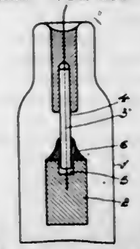
5. A split phase induction motor having main windings on the primary, auxiliary starting windings each displaced from a main winding, leads for said main windings and said auxiliary windings to connect the same to a power circuit, means for changing the connection of the leads to the power circuit to reverse the polarity of some of the main windings and some of the auxiliary windings to change the speed characteristics of the motor, the arrangement of said means and said leads being such that the starting windings for each speed characteristic are conductively connected to the power circuit, and an automatic cut-out adapted to disconnect all of said starting windings from the power circuit when connected for either speed characteristic after the motor has attained a predetermined speed.

1,983,742
DOOR BADGE OR FUNERAL INSIGNIA
Kenneth T. Dicks, Broadlands, Ill.
Application March 2, 1934, Serial No. 713,668
6 Claims. (Cl. 40—125)



2. A door badge comprising a supporting plate having an opening therein, flanges projecting rearwardly from said plate around said opening, shoulders extending inwardly around said opening, a sheet of glass to the rear of said shoulders, a plate having raised insignia thereon to the rear of said glass and spacing members between said glass and said plate of a depth greater than the height of said raised insignia, said spacing members being concealed behind certain of said shoulders, and means for holding said plate in position.

1,983,743
ELECTRIC DISCHARGE TUBE
Pieter Wilhelm Dobben, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 22, 1929, Serial No. 349,149
In the Netherlands April 19, 1928
4 Claims. (Cl. 250—27.5)

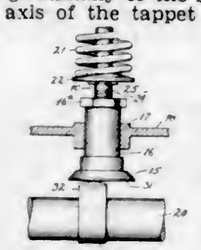


1. A gas filled electric discharge tube comprising a plurality of electrodes, supply wires therefor, a short glass tube surrounding each of said supply wires and sealed to the stem of the tube, and a ceramic mass of high melting point surrounding and in intimate contact with at least one of the said supply wires, the said mass being at one end sealed to the said glass tube, and a second ceramic mass of high melting point baked on the supply wire at the other end, said two ceramic masses being sealed to each other for preventing the passage of bombarding particles to the joints protected by the ceramic masses.

1,983,744
RECIPROCATING VALVE
Herman Dock, deceased, late of Guadalajara, Mexico, by Clarence L. Moyer, Merion, Pa., I. Hazleton Mirkil, Philadelphia, Pa., and Fidelity-Philadelphia Trust Company, Philadelphia, Pa., executors
Application November 22, 1933, Serial No. 699,142
2 Claims. (Cl. 74—55)

1. A valve structure including a rotatably mounted valve tappet having a lower face, a cam

shaft below said tappet, and a cam on said cam shaft offset longitudinally of the shaft from the center of the axis of the tappet and having a



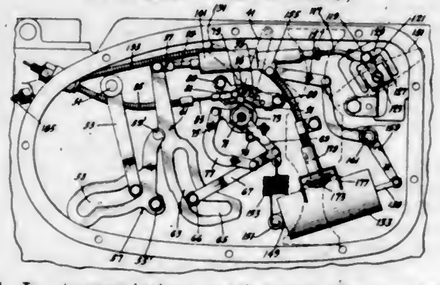
transversely arcuate periphery, the arc of the periphery being central of the width of the cam, said cam contacting with said tappet.

1,983,745

ROLLER TYPE TRANSMISSION CONTROL

John Dolza, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 10, 1933, Serial No. 656,145
11 Claims. (Cl. 74—336.5)



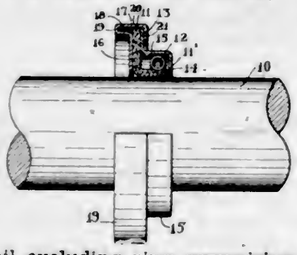
1. In transmission mechanism for vehicles, ratio changing means, a speed responsive member, a manually operable member, a differential lever, connections whereby the speed responsive member and the manually operable member may move said ratio changing means through the instrumentality of said lever, adjustable means to change the leverage of said members upon said lever, said adjustable means constituted by the provision of a slot in said lever and a fulcrum movable in said slot, said lever also having a slot in the form of an extension of said first slot into which said fulcrum member may be moved to thereby make possible the rotation of the differential lever to shift the ratio changing to effect relatively high driving ratio.

1,983,746

GREASE EXCLUDING RING

Martin D. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut

Application January 17, 1934, Serial No. 706,956
2 Claims. (Cl. 288—1)



1. An oil excluding ring comprising a flexible packing member having an approximately cylindrical part and an annular part, a pair of annuli clamping the annular part therebetween, said cylindrical part extending through and beyond one annulus, and a return bend integral with the annuli forming a bead extending opposite from the cylindrical part and increasing the external bearing surface.

1,983,747

PADLOCK

Andrew Gahagan, New York, N. Y., assignor, by mesne assignments, to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut

Application November 6, 1928, Serial No. 317,639
14 Claims. (Cl. 70—108)



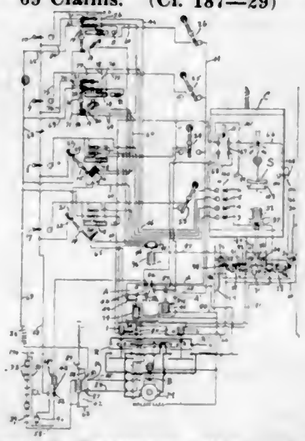
14. In a padlock, the combination with a body, of a shackle received in openings in the body, a lock cylinder mounted in the body, a bolt of circular shape seated upon the cylinder, said bolt having its axis concentric with the axis of the cylinder and normally lying within the outline of the cylinder, means interconnecting the bolt and cylinder for rotation together and for limited movement of the bolt independently of the cylinder to engage the bolt with the shackle, said means comprising a recess provided in the bolt, and means within said recess and acting between said bolt and cylinder to resist movement of the bolt independently of the cylinder.

1,983,748

INTERCEPTING PUSH BUTTON CONTROL SYSTEM

Ernest L. Gale, Yonkers, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa., a corporation of Pennsylvania

Application August 6, 1926, Serial No. 127,522
65 Claims. (Cl. 187—29)



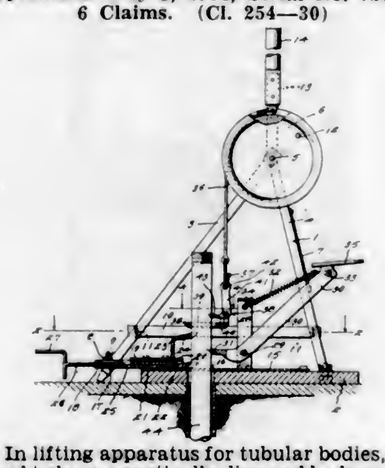
1. In a push-button system of control for intercepting the car, the combination with the car, car gate contactors, push-button controlled circuits and apparatus to effect automatic stops in succession at landings toward which the car is moving by pressing the buttons corresponding thereto only once for any one direction of car travel at any time prior to the car reaching such landings, and means to render the hoisting operation inoperative unless and until said car gate contactors are opened and closed subsequently to each of said automatic stops.

1,983,749

HOISTING APPARATUS

Ernest E. Garrick, Outlook, Mont.

Application May 8, 1934, Serial No. 724,604
6 Claims. (Cl. 254—30)



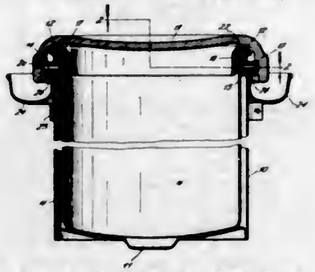
4. In lifting apparatus for tubular bodies, a base formed to have a vertically disposed body extended therethrough, a jaw member slidably mounted on said base for engagement with a tubular body, a jaw member oscillatably mounted upon the base for engagement with a tubular body at the opposite side of the first jaw, an arm forming an extension of said oscillatable jaw, means at the outer end of the arm for applying pressure thereto to effect the raising of the oscillatable jaw, resilient means connected with the outer end of said arm and normally urging the same to swing in a direction to move the oscillatable jaw into operative position, and means disposed above the jaws for effecting the engagement and lifting of the tubular body.

1,983,750

CLOTHES DRIER

George M. Gibson, Waterloo, Iowa

Application May 8, 1931, Serial No. 535,853
2 Claims. (Cl. 100—50)



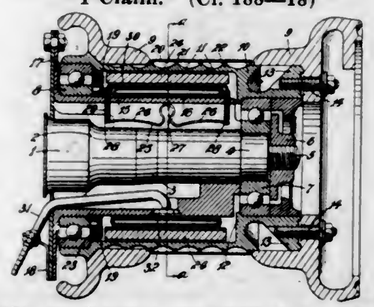
1. In a device of the class described, the combination of an open topped receptacle having its top edge extended inwardly and also having a rib extended inwardly near its top edge, a flexible bag having an enlarged rib at its upper edge inserted between said rib and the inward extension of the top edge to limit the up and down movement of the said enlarged rib on the flexible bag, a rigid sealing flange detachably mounted on the top of the receptacle and projected downwardly into the upper end of the bag, and means for holding the sealing ring against upward movement, for the purposes stated.

1,983,751

WHEEL BRAKE

Ernest Frederick Goodyear, Moxhall Park, Wishaw, and Joseph Wright, Stoke Park, Coventry, England, assignors to Dunlop Rubber Company Limited, London, England, a British corporation

Application May 4, 1933, Serial No. 669,294
In Great Britain June 4, 1932
1 Claim. (Cl. 188—18)



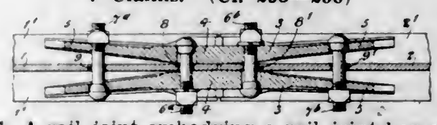
Brake mechanism comprising a plurality of brake shoes movable radially outwards, a non-rotating cylindrical support, an outer revolving tubular braking member, a distensible annulus carried on said support and actuating said shoes outwardly into engagement with the inner diameter surface of said revolving tubular braking member, the outer diameter surface of which is formed with air channels defined by projections a pair of tire retaining flanges positioned on said projections and a tube supporting liner disposed between the tire flanges and having annular ribs on its under surface seated upon the projections formed on the outer diameter surface of the rotatable braking surface.

1,983,752

RAIL-JOINT AND BAR THEREFOR

Richard F. Greenwood, New York, N. Y., assignor to Standard Equipments, Inc., a corporation of Maryland

Application November 12, 1931, Serial No. 574,492
Renewed May 4, 1934
7 Claims. (Cl. 238—258)



1. A rail-joint embodying a rail-joint bar embodying a relatively rigid medial section having at its outer surface inclined faces and end sections of relative flexibility having inclined faces varying in angularity from the inclined faces of the medial section, the inclined faces of said medial section extending outwardly from a vertical plane perpendicular to the base of the rail and the inclined faces of the end sections extending inwardly from the vertical plane perpendicular to the base of the rail, and bolt holes in said faces to cause the same to move into parallelism.

1,983,753

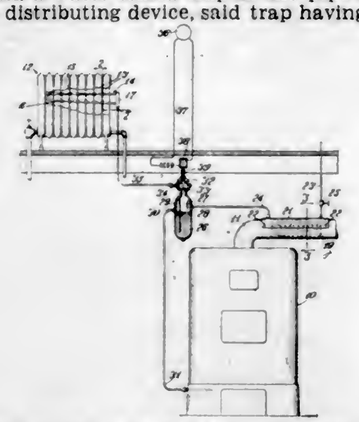
HUMIDIFYING SYSTEM

Carl Hagen, Park Ridge, Ill.

Application March 1, 1930, Serial No. 432,428
4 Claims. (Cl. 237—1)

1. In combination, a distributing device for emitting steam into heated air currents, a flash steam generator-superheater having a water

supply pipe, a pipe leading to the distributing device and a water sealed trap in the pipe leading to the distributing device, said trap having steam



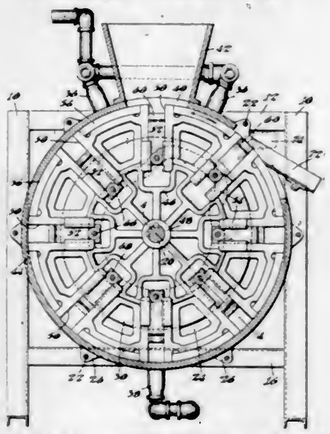
inlet and outlet ports, a water outlet port, a water sealed baffle-plate interposed between the steam ports and water outlet port and a valve interposed between the steam inlet and outlet ports.

1,983,754
REFRIGERATING METHOD AND MACHINE

Bicknell Hall, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del., a corporation of Delaware

Application May 20, 1931, Serial No. 538,649

31 Claims. (Cl. 62—114)



1. The method of freezing food products, which consists in moving a measured volume of the same as a unit across a refrigerating surface and in contact therewith.

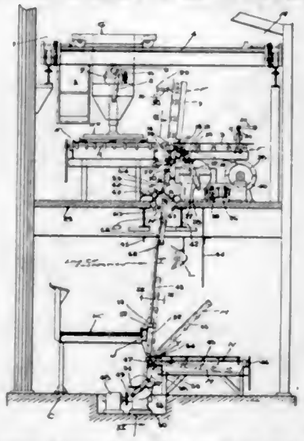
1,983,755
APPARATUS FOR HANDLING AND INSPECTING PLATE GLASS

Herman S. Heichert, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application March 9, 1934, Serial No. 714,836

9 Claims. (Cl. 214—1)

1. In combination in a plate glass handling and inspection apparatus operating between an upper and a lower floor in which the upper floor is provided with a transfer slot, a tilting transfer frame on the upper floor pivoted along one edge adjacent the slot and provided at such edge with a retractable toe for supporting the glass plate when the frame is tilted to an upright position, a tilting transfer frame on the lower floor pivoted along one edge which lies beneath the slot so that the two frames when in upright position are in substantial alignment, a pair of upright guide frames which extend between the two floors, a carrier mounted for vertical movement on the guide frames and adapted to receive and support the lower edge of the glass plate when the toe on the upper floor transfer frame is retracted, a toe



on the lower floor transfer frame adjacent the pivoted edge thereof adapted to engage the lower edge of the glass plate when the carrier approaches its lower limit of movement, and an inspection station opposite the line of movement of the glass sheet between the transfer frames positioned so that the operator thereon may inspect the area of glass lying above the end of the lower transfer frame.

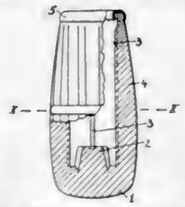
1,983,756
HANDLE GRIP

August Hessmert, Brugge, Germany

Application May 9, 1934, Serial No. 724,750

In Germany May 13, 1933

2 Claims. (Cl. 208—126)



1. In a handle-grip more particularly intended for the handle-bars of cycles and the like, an internally provided projection of polygonal cross-section forming part of the grip body and entering the mouth of the handle-bar tube only by strong pressure, a grip-sleeve the inner diameter of which is greater than the outer diameter of the handle-bar tube and parallel leading ribs offset to the arms of said internally provided projection and ending short of the mouth of the grip.

1,983,757
METHOD FOR CASTING MASSIVE STRUCTURES

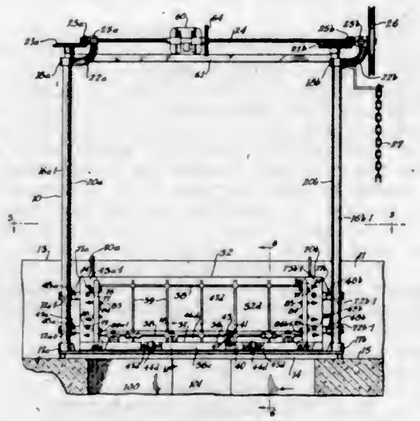
Harry J. Hick, Alliance, Ohio, assignor to The Machined Steel Casting Company, Alliance, Ohio, a corporation of Ohio

Application June 7, 1932, Serial No. 615,844

1 Claim. (Cl. 25—155)

The method of making massive hollow cast structures of plastic material by the use of

inner and outer mold members, which includes casting the structure of plastic material between the inner and outer mold members, elevating the cast structure together with the outer mold



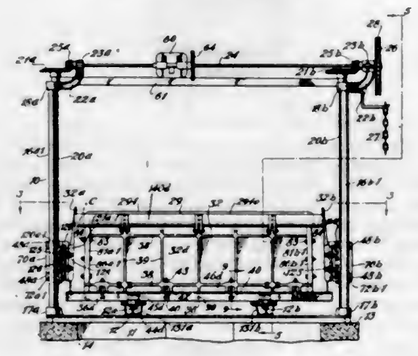
members to be entirely above the inner mold member after the plastic material has attained an initial set, and then elevating the outer mold members as a unit to be entirely above the cast structure.

1,983,758
APPARATUS FOR CASTING MASSIVE STRUCTURES

Harry J. Hick, Alliance, Ohio, assignor to The Machined Steel Casting Company, Alliance, Ohio, a corporation of Ohio

Application July 11, 1932, Serial No. 621,788

6 Claims. (Cl. 25—130)



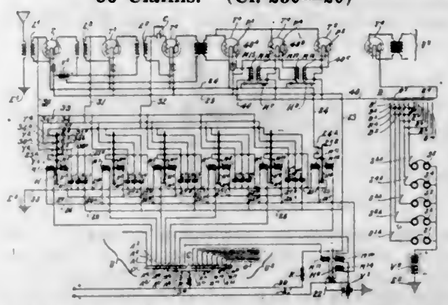
1. Casting apparatus including an inner car and an outer car, the cars being adapted for being selectively separated from and assembled with each other, each car including independent supporting means, mold members on each car, the mold members on the cars forming a mold cavity therebetween when the cars are in assembled position, one of the cars constituting a supporting car and being adapted for supporting engagement with the material of a structure cast in the mold cavity, and the supporting car being arranged for bodily elevation with the cast structure above the other car.

1,983,759
AUTOMATIC SELECTING AND DISTRIBUTING SYSTEM FOR RADIO RECEPTION

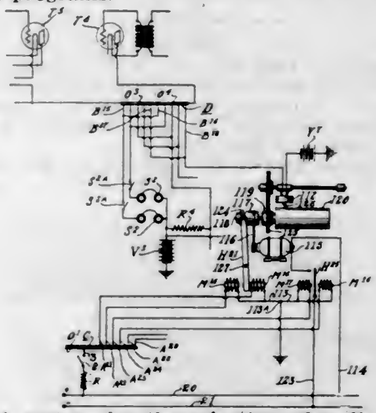
Robert L. Houston, New York, N. Y.

Application May 3, 1926, Serial No. 106,185

36 Claims. (Cl. 250—20)



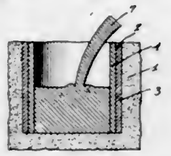
1. A machine for the selection and distribution of radio programs, comprising a radio receiving station and a code tape, in combination with means automatically controlled by said tape for selecting and distributing one or more broadcasted programs.



18. A system for the selection of radio programs at a predetermined future time comprising a radio receiving station having tuning means, means operating the tuning means, selecting mechanism for the operating means including at least one actuating member and one cooperating member, the members being spaced from each other proportional to a predetermined time interval, amplifying means for the receiving station, mechanism controlling the amplifying means including at least one actuating member and a cooperating member spaced therefrom a distance proportional to a predetermined time interval, and time controlled means moving one of the members of the selecting mechanism and of the controlling mechanism at a fixed rate of speed into cooperating relation with the other member at predetermined future times to tune the radio receiving station to the desired program and amplify the program.

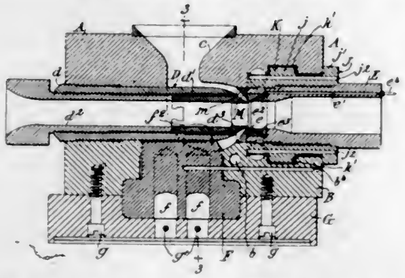
24. A system for the distribution of radio programs comprising a radio receiving station having a plurality of output sections, a pluralty of listening stations adapted to be connected therewith, and means automatically increasing and decreasing the number of output sections connected to the receiving station upon a predetermined increase and decrease respectively in the amount of electrical energy drawn by the listening stations.

1,983,760
PROCESS OF MAKING COMPOSITE METALLIC ARTICLES
Stephen L. Ingersoll, Chicago, Ill., assignor to Ingersoll Steel and Disc Co., Chicago, Ill., a corporation of Illinois
Application June 27, 1932, Serial No. 619,423
6 Claims. (Cl. 29—188)



4. The process of forming a composite metal article which comprises placing a composite metal shell into a mold, said shell having an inside surface of one metal backed by an outside surface of another metal integrally welded thereto, spacing the shell from the bottom of the mold, pouring molten metal of the same character as the inside surface metal of the shell into the shell and allowing the cast metal to overlie the end edges of the shell.

1,983,761
WELDLESS DIE BLOCK FOR EXTRUSION PRESSES AND METHOD OF EXTRUDING
Conrad C. Jacobson, Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 12, 1932, Serial No. 628,459
7 Claims. (Cl. 207—10)



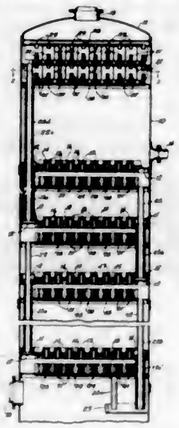
1. A die block comprising an extrusion chamber having a core therein which causes the extruding metal when charged into the die-block to divide when encircling said core, there being a region of mergence of said metal on one side of the core and electric heating elements in the die block adjacent the region of mergence for raising the temperature of the extruding metal in proximity thereto to its fusing temperature, whereby to cause said metal to homogeneously unite.

4. A die block for a cable sheath extrusion press having top and bottom halves, each of which at its opposite sides, at a distance from the abutting faces of the halves, is formed with a tapered shoulder directed away from the abutting faces, channel-like clamping members having walls which taper outwardly from the bottom of the channel engaging over said tapered shoulders on the die block halves on the same side of the die block, and means securing said clamping members to said respective top and bottom halves for holding them together against separation under internal pressures.

5. A split die block comprising a die holder having a supporting ring mounted within the die block and adapted for limited radial movement with relation to the die block, and a ring of softer metal than either the die holder or the die block, disposed between said supporting ring and die block, for preventing scoring or cutting of the die block and taking up the thrust of said supporting ring as the die holder is moved therein.

6. The method of extruding lead and the like metals into tubular form through a die block having a core which comprises charging the metal in a congealed state under pressure into an extrusion chamber around the core at substantially right angles to the axis of the core, thereby causing the metal to divide as it encircles the core and raising the temperature of the metal in the chamber only in proximity to its region of mergence around the core to render said metal plastic or viscous whereby to cause said metal to homogeneously unite, and then cooling the reheated portion of the tube to approximately the temperature of the diametrically opposite portion of the tube before said tube reaches the extruding die.

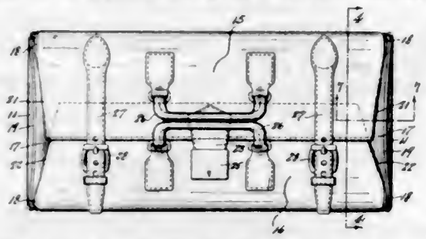
1,983,762
FRACTIONATING APPARATUS
Meinhard H. Kotzebue, Tulsa, Okla.
Application September 12, 1933, Serial No. 689,104
5 Claims. (Cl. 261—114)



1. In fractionating apparatus, a plurality of spaced trays each provided with a plurality of tubes, the tubes of each tray being in register with the tubes of the adjacent tray and the adjacent ends of said registering tubes being spaced from and in direct communication with each other, means for circulating gases through said tubes, means in the tubes of one tray for causing whirling movement of the gases passing therethrough, and baffle means surrounding the discharging end of each tube having the whirl-causing means.

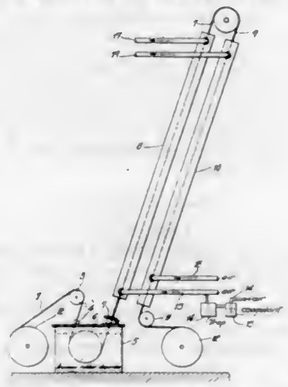
1,983,763
TRAVELING BAG
Samuel Lacher, New York, N. Y., assignor to K. Kaufmann & Co., Inc., a corporation of New Jersey
Application January 3, 1934, Serial No. 705,063
7 Claims. (Cl. 190—48)

1. In a traveling bag, the combination with a body having side and end walls, top closure flaps extending from said side walls, gusset members extending from said end walls and joined by their side margins with the ends of said top closure flaps, and said top closure flaps each being of a width exceeding one-half the width



of the bag top whereby one flap overlaps the other when closed together.

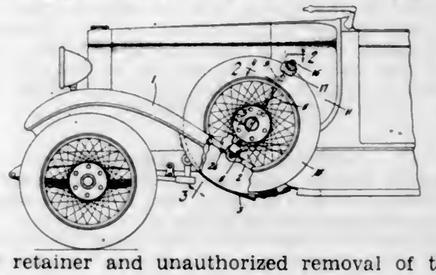
1,983,764
METHOD OF COVERING WIRES, THREADS, AND FILAMENTS WITH RUBBER COMPOSITION
Frederick Henry Lane, Evelyn William Madge, and Edward Arthur Murphy, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British corporation
Application February 11, 1932, Serial No. 592,435
In Great Britain February 16, 1931
10 Claims. (Cl. 91—68)



1. A process for coating a filamentary article which comprises drawing said article upwardly through the surface of an aqueous dispersion of coating material to form a coating of said dispersion on the surface of said article, exposing said coating to a coagulating medium to coagulate and set the dispersed particles of said dispersion sufficient to resist distortion and sticking of said coating, and then drying said coating.

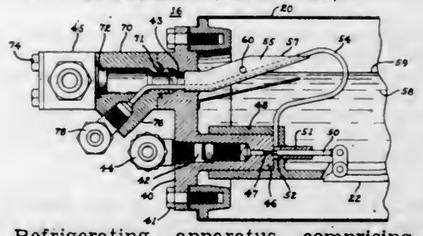
1,983,765
FENDER WELL WHEEL LOCK
Thomas W. Loring, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 20, 1928, Serial No. 300,869
10 Claims. (Cl. 70—90)

1. In a motor vehicle, a fender having a tire receiving well, characterized by a bracket carried by the fender beside the well and having a T-shaped head, a tire retainer detachable from the head and having one arm adapted to extend adjacent the inner periphery of a tire positioned in the well and having a second arm adapted to hook under one leg of the T-shaped head, and a lock controlled latch carried by said retainer and movable under the other leg of said T-shaped head to prevent detachment of



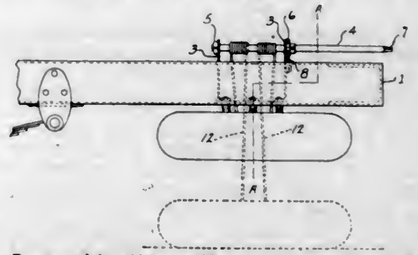
the retainer and unauthorized removal of the tire.

1,983,766
REFRIGERATING APPARATUS
David E. Maccabee, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application March 30, 1929, Serial No. 351,361
Renewed January 17, 1934
13 Claims. (Cl. 62—115)



1. Refrigerating apparatus comprising in combination an evaporator including one or more horizontal passages providing refrigerant evaporating surfaces, a second evaporator below the level of the first mentioned evaporator and including a gas and liquid separating chamber and evaporating surfaces in open communication therewith, means responsive to the level of liquid in the second evaporator for supplying volatile liquid refrigerant to the first evaporator, the evaporating surfaces of the second evaporator being below the liquid level therein, the first evaporator being adapted to evaporate a portion only of such liquid, and means for draining liquid and conducting gaseous refrigerant to the second evaporator.

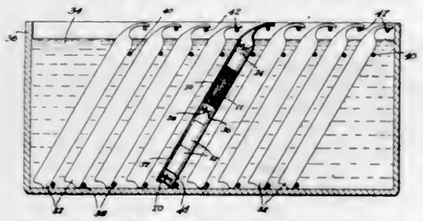
1,983,767
SPARE TIRE AND WHEEL CARRIER
George Mueller, Cincinnati, Ohio, assignor to The Le Blond-Schacht Truck Co., Cincinnati, Ohio, a corporation of Ohio
Application December 21, 1931, Serial No. 582,259
2 Claims. (Cl. 224—29)



1. In combination with an automotive vehicle chassis, a support mounted on said chassis, having an aperture and spaced holes adjacent the edges of said aperture, elevating means mounted

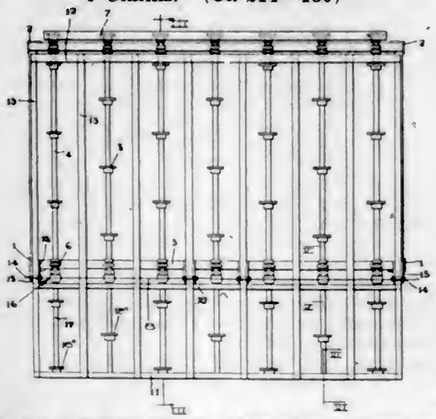
on said support and comprising a member movable up and down through said aperture and means on the lower part of said member to liftingly engage with a central part of a wheel, and means engaging respective holes of the support and with respective central portions of the wheel, to support the wheel when the wheel has been lifted into elevated position.

1,983,768
ART OF REFRIGERATION
Karl B. Norton, Manchester, Mass., assignor to Frosted Foods Company, Inc., Dover, Delaware, a corporation of Delaware
Application November 5, 1931, Serial No. 573,163
12 Claims. (Cl. 62—104)



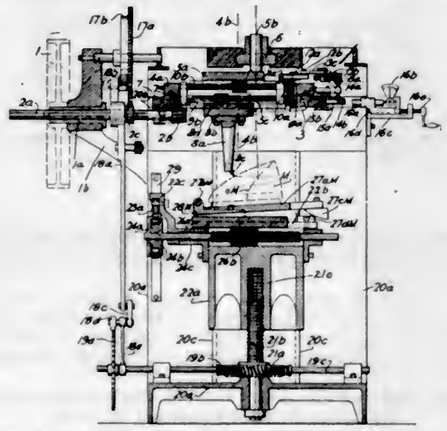
8. Apparatus for freezing food products, comprising portable heat-conductive plates adapted to hold the products therebetween, and a collapsible and water-tight covering for the plates, the covered product-holding plates being adapted to be submerged with the interposed food products in a liquid refrigerant.

1,983,769
RECEIVING TABLE FOR GLASS SHEETS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application October 6, 1933, Serial No. 692,506
6 Claims. (Cl. 214—130)



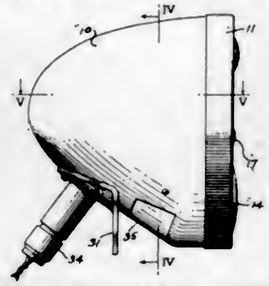
1. A receiving table for glass sheets, comprising a series of parallel spaced rolls, means for driving the rolls, a tilting transfer frame at the side of the runway pivoted on an axis parallel to the longitudinal center line of the runway at approximately the level of the rolls and comprising a series of arms spaced apart so that when the frame is in horizontal position, the arms will be between the rolls, an abutment at the ends of the arms mounted for movement toward and from such ends and adapted to engage and support the edge of the glass sheet carried by the frame when it is in upright position, and means operated by the movement of the frame for moving the abutment away from the ends of the arms when the frame is swung to horizontal position.

1,983,770
MACHINE FOR GENERATING DIES OF IRREGULAR SURFACE
John F. Pagendarm, San Francisco, Calif., assignor to American Woodlite Corporation, a corporation of California
Application May 26, 1930, Serial No. 455,692
23 Claims. (Cl. 90—31)



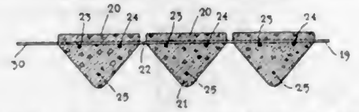
22. In a machine for generating quadric surfaces, either internal or external, on a work piece, a planing tool having a shank terminating in a cutting point, means for moving the tool in predetermined elliptical paths, means for actuating the tool, whereby the cutting point may describe true ellipses on the work piece, and means by which the magnitude of one or both of the elliptical axes may be progressively varied in a predetermined manner.

1,983,771
REAR LAMP FOR VEHICLES
John F. Pagendarm, Oakland, Calif., assignor to American Woodlite Corporation, San Francisco, Calif., a corporation of California
Application July 17, 1930, Serial No. 468,597
2 Claims. (Cl. 177—392)



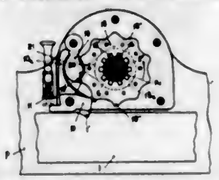
2. A rear lamp for vehicles comprising an open faced cup shaped housing provided with an opening for illuminating a license plate, a cover for the open face having openings for a stop light, backing light and tail light therein, a partition member extending from the cover towards the back of said housing, means for securing said partition member to the cover in a position separating the license plate opening and tail light opening from the stop light and backing light openings, a lamp bulb mounted on the partition in a position to project light through said license plate and tail light openings, a second lamp bulb mounted on the partition, a hoodlike reflector member completely overlying said second lamp bulb and substantially filling the housing on one side of the partition, said partition and reflector member forming a compartment that is closed except at the front adjacent the cover, said compartment being of a shape to reflect rays from said second mentioned lamp upwardly through said stop light opening and downwardly through the backing light opening, means for detachably securing said reflector member to said partition member, and means passing through the rear of said housing and engaging said partition member for holding the device in assembled relation.

1,983,772
CONCRETE MAT
Wesley R. Pierson, Minneapolis, Minn.
Application September 2, 1932, Serial No. 631,451
9 Claims. (Cl. 61—38)



1. A mat comprising a plurality of slabs arranged in juxtaposition, said slabs being substantially triangular in cross section and being arranged in inverted relation with their bases uppermost and the vertexes extending downwardly therefrom and engaging the ground and means for connecting said slabs together at their bases.

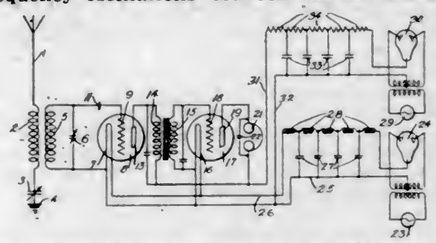
1,983,773
COMBINATION LOCK
Giuseppe Prina, Turin, Italy
Application January 3, 1934, Serial No. 705,066
In Italy January 4, 1933
2 Claims. (Cl. 70—53)



1. A combination lock, comprising a bolt, a plurality of spring-pressed pawls for locking said bolt in its closed position, a plurality of cams, one for each pawl, adapted to release the latter from the bolt, a plurality of wheels on each of which is fixed in an adjustable angular position one of said cams, said wheels being provided at the rim with notches, a spring-pressed indicating pawl which snapping into said notches during the rotation of the wheel, indicates the degree of rotation of the wheel, a pin for operating said bolt, a tubular member rotatably mounted and axially displaceable on said operating pin and a dowel fixed to said tubular member and adapted to be engaged by notches cut on the periphery of the central hole of each wheel for carrying the latter along in rotation to release the corresponding pawl from the bolt.

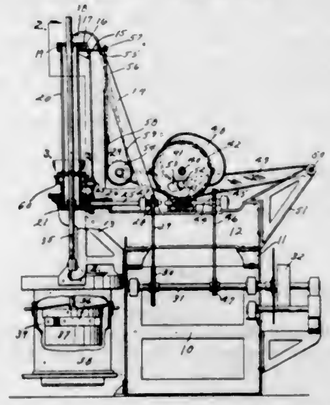
1,983,774
SUPPLY SYSTEM FOR VACUUM TUBES
Michael I. Pupin, Norfolk, Conn., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application February 4, 1924, Serial No. 690,586
1 Claim. (Cl. 250—27)

A radio system adapted for use from power mains comprising in combination a plate circuit, a filament circuit and means for by-passing audio frequency oscillations between the terminals of



the filament circuit comprising a large capacity condenser connected across the filament terminals.

1,983,775
CONCRETE PIPE MAKING MACHINE
Charles C. Quinn and Harley Edgerton, Boone, Iowa, assignors to Quinn Wire & Iron Works, Boone, Iowa, a corporation of Iowa
Application December 9, 1929, Serial No. 412,803
12 Claims. (Cl. 74—22)



1. In a device of the class described, a support, a vertical tubular shaft rotatively mounted therein having oppositely arranged longitudinal slots, a packer shaft slidably mounted axially in said tubular shaft, a tappet block rigidly secured to said shaft, said block having rollers for engaging one edge of each of said slots, the contact surfaces of said rollers and slots being in a plane projecting through the axis of said shaft, means for moving said tappet block longitudinally of said tubular shaft, and means for rotating said tubular shaft.

1,983,776
ELECTRICAL CONNECTER FOR TOY ELECTRIC RAILWAYS
Leon W. Rosenthal, New York, N. Y.
Application April 9, 1932, Serial No. 604,275
1 Claim. (Cl. 173—324)



A resilient one piece sheet metal electrical connecter for a toy railway rail comprising a metal plate having one end thereof bent upwardly to form a flanged jaw, a U-shaped cut defining a tongue intermediate the length of said plate, said tongue being bent to form a flanged jaw opposing

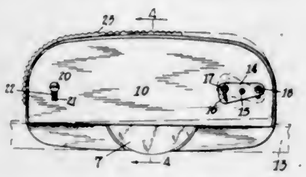
said first jaw, a second U-shaped cut adjacent said first cut and defining a second tongue, said second tongue being bent upwardly at one end thereof from said plate and being bent downwardly at a point intermediate its length toward said plate, a loop formed at the remaining end of said plate and having a portion overhanging said second tongue, an aperture in said overhanging portion, said aperture being positioned over said second tongue member, whereby said overhanging loop and said second tongue member comprise a clamp for electrical connecters.

1,983,777
RAIL CONNECTER FOR TOY RAILWAYS
Leon W. Rosenthal, New York, N. Y.
Application May 19, 1933, Serial No. 671,801
1 Claim. (Cl. 173—324)



In a toy electric railway, the combination with longitudinally abutting rails having base flanges, of a stamped connecter formed of resilient metal, said connecter comprising a yoke and two flanged arms engaging said rail flanges, one of said arms being substantially longer than the other and being bent inwardly toward said yoke to form a loop, a U-shaped slot cut in the rounded side of said loop, and the metal tongue defined by said slot being bent outwardly, whereby the curved portion of said loop and said tongue form a connection for power supply leads.

1,983,778
COMBINED STRAIGHT EDGE AND PAPER TRIMMER
Edward Rosenquist, Oakland, Calif.
Application September 19, 1932, Serial No. 633,825
2 Claims. (Cl. 164—84)



1. In a trimming tool of the class described, an operating handle, a rotatable cutting disc recessed into one face of said handle, a guide member adjustably mounted on and hinged by said handle against the face of said cutting wheel, means cooperating with said handle and said guide for adjusting the depth of the cutter, and a straight edge associated with said guide member to guide the handle and cutting disc in a true line.

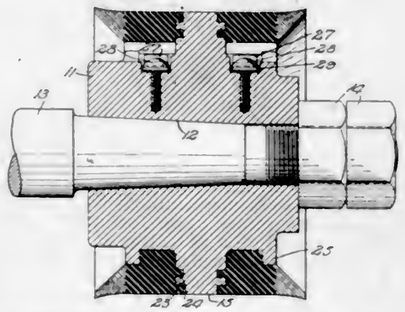
1,983,779
POST BINDER FOR LOOSE LEAF SHEETS
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application February 10, 1933, Serial No. 656,049
10 Claims. (Cl. 129—12)

10. In a loose leaf binder, a support having sheet holding posts mounted thereon, a hollow clamping member slidable over said posts, spring actuated post gripping plates pivoted within said member, a rigid slide movable longitudinally within the latter and carrying rigid cams which cooperate with the gripping members to elevate



and lower them, and a key operated lock within said member and substantially flush with the latter for locking said slide against movement when said plates are in lowered position.

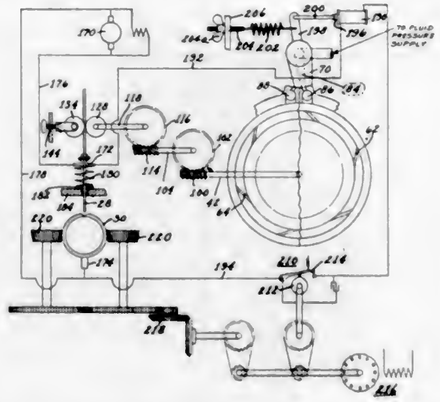
1,983,780
PISTON
John M. Shimer, Wilkinsburg, Pa., assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa., a corporation of Pennsylvania
Application October 20, 1931, Serial No. 569,887
8 Claims. (Cl. 309—31)



1. A pump piston comprising a body comprised of substantially non-flexing material having a laterally projecting circumferential collar thereon and a detachable packing ring comprised in part of non-flexing material and in part of flexing material surrounding the body, said collar and the non-flexing portion of the ring having interengaging mortise and tenon portions to form an annular labyrinth sealing the junction between the collar and the ring.

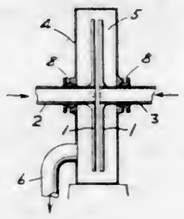
1,983,781
CONTROL OF ARC WELDER HEAD
Leo C. Shippy, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 20, 1932, Serial No. 618,207
40 Claims. (Cl. 219—8)

18. In an arc welding apparatus, the combination of an electrode; a device for feeding the electrode toward the workpiece; means for causing the feeding device to feed the electrode at a rate varying with the gap between the electrode



and the workpiece; and means for periodically interrupting the operation of said first means.

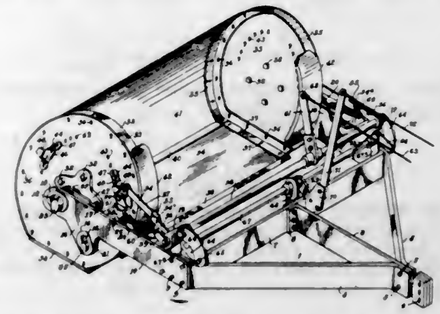
1,983,782
EMULSIFIER
Leslie P. Shropshire, Chester, Pa., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application September 15, 1932, Serial No. 633,331
1 Claim. (Cl. 259—9)



An emulsifier consisting of two series of radiating spokes arranged in spaced confronting relation for relative rotation about a common axis, means for rotating said elements, a drum enclosing said rotating elements with space between it and said elements, hollow shafts for introducing fluids into the drum through the centers of the rotating elements, means for applying pressure to the fluids, and an offtake from the drum arranged between the centers and ends of the spokes.

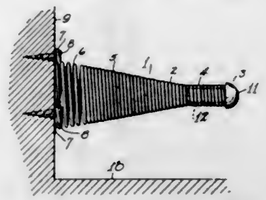
1,983,783
EARTH MOVING SCRAPER
James S. Stewart, Sidney, Ohio, assignor to The Slusser-McLean Scraper Company, Sidney, Ohio, a corporation of Ohio
Application November 29, 1933, Serial No. 700,282
5 Claims. (Cl. 37—140)

1. In a device of the type described, a bowl, a bit secured to said bowl, an inner frame in which said bowl is pivotally mounted, a towing frame outlying the inner frame, and formed with oppositely disposed axial slots and below the latter, with upwardly inclined slots, bearings for the bowl projecting from the inner frame into the axial slots in the towing frame, studs projecting from the inner frame into the upwardly inclined slots in the towing frame, stop means to prevent the bowl from turning as a wheel when it is



drawn forward by the towing frame, and lever means for preventing an upward movement of the inner frame when the bowl is drawn forward in a loading position.

1,983,784
FLEXIBLE DOORSTOP
Robert C. Watkins and Joseph May, San Francisco, Calif.
Application September 30, 1933, Serial No. 691,662
1 Claim. (Cl. 16—85)

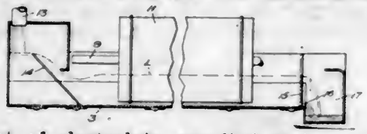


A door bumper comprising a wire formed into a cylindrical coil, the loops of the coil contacting with each other, a rubber button having a shank threaded into the cylindrical portion, the wire being formed into a frusto-conical portion, the loops of the conical portion for the greater portion of its length contacting with each other, whereby a door stop is formed that is rigid in the direction of its axis but flexible when struck from the side, a few loops adjacent to the base of the conical portion being spaced from each other for allowing the bumper to be compressed slightly when struck a blow in the direction of its axis, and means for securing the bumper to a support.

1,983,785
ELECTROLYTIC APPARATUS
Richard A. Wilkins, Beverly, Mass., assignor to Industrial Development Corporation, Boston, Mass., a corporation of Maine
Application August 30, 1930, Serial No. 478,903
13 Claims. (Cl. 204—5)

1. Apparatus for producing sheet metal by electrodeposition comprising a plurality of cells electrically connected in series having insoluble lead anodes and moving cathodes, means for circulating electrolyte in contact with a body of electrolyte replenishing material and through said cells in parallel, means for interrupting the flow of electrolyte through one or more of said cells while continuing the flow of electrolyte for those cells

in contact with said body of replenishing material, and overflow means for maintaining the



amount of electrolyte supplied each remaining cell substantially constant.

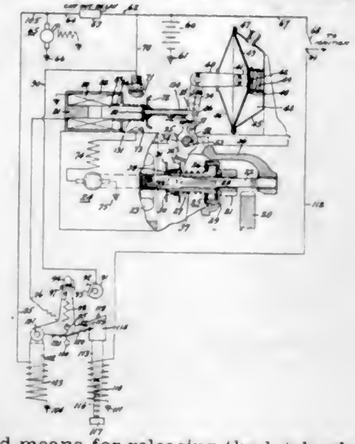
1,983,786
THERMOMETER
Erich Bandoly, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 15, 1932, Serial No. 637,975
7 Claims. (Cl. 73—52)



2. In a thermometer, a case, a hollow connecting piece fastened to said case, an integral hollow stem and bulb chamber fastened to said connecting piece, the junction between said stem and said bulb chamber having a tapered wall portion, a capillary tube terminating in a bulb having an expansible medium therein, said capillary tube being mounted in said case and said stem with said bulb positioned in said bulb chamber in spaced relation to the inner surface thereof, a conducting medium in said bulb chamber surrounding said bulb, sealing means engaging said tube and the tapered wall portion, a hollow sleeve surrounding said capillary tube and having its upper end adjustably fastened to said connecting piece and having its lower end engaging said sealing means to compress the same against the tapered wall portion.

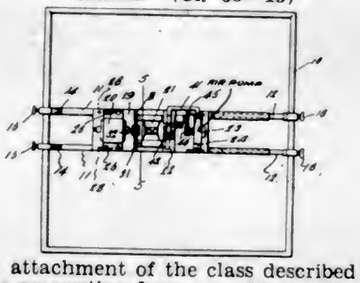
1,983,787
ENGINE STARTING APPARATUS
Ralph Bertsche, Jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 9, 1931, Serial No. 573,950
16 Claims. (Cl. 290—38)

1. Engine starting apparatus comprising, in combination, a starting device, an engine gear, a movable gear driven by the starting device and connectable with the engine gear, a spring for causing the starting device gear to be meshed with the engine gear and the starting device to operate, means operating in response to self-operation of the engine for stressing said spring in order to demesh said starting device gear, a latch for holding the spring in a stressed condi-



tion, and means for releasing the latch when engine starting is required.

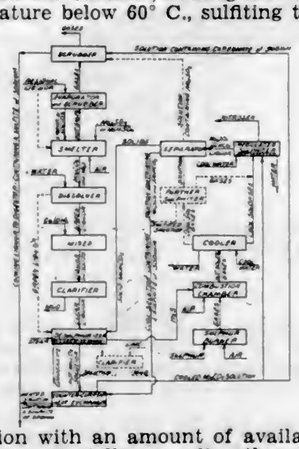
1,983,788
ATTACHMENT FOR WASHTUBS
Joseph Frank Brennan, Yeadon, Pa.
Application April 3, 1934, Serial No. 718,853
2 Claims. (Cl. 68—15)



1. An attachment of the class described comprising a supporting frame provided with means for engaging opposite walls of a tub to support the frame transversely of the tub, a platform slidably mounted on the supporting frame, an agitator shaft extending vertically through the platform, bearing means for the agitator shaft, said agitator shaft being hollow, an agitator blade mounted on the lower end of the shaft and having an air passage extending therethrough in line with the agitator shaft, and a discharge passage for the air passage opening at opposite sides of the blade; a pump for supplying air mounted on the platform having a discharge conduit leading therefrom, a swivel connection between said discharge conduit and the upper end of the agitator shaft, and means common to the agitator shaft and said pump for simultaneously driving the same.

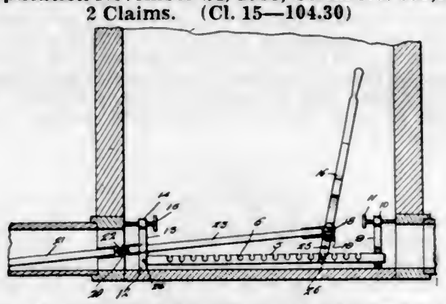
1,983,789
PRODUCTION OF PULP AND TREATMENT OF RESIDUAL LIQUORS, ETC.
Linn Bradley, Montclair, N. J., and Edward P. McKeefe, New York, N. Y., assignors to Bradley-McKeefe Corporation, New York, N. Y., a corporation of New York
Application January 23, 1928, Serial No. 248,960
Renewed May 3, 1934
21 Claims. (Cl. 23—129)

1. A method of producing solid sodium bicarbonate and a solution containing sodium sulfite and sodium bicarbonate which comprises treating a solution containing sodium sulfid with available carbon dioxide in amount not materially exceeding the amount required to convert sodium sulfid into carbonate of sodium, heating the solution to drive out the resulting hydrogen sulfid from the solution, cooling the solution to a temperature below 60° C., sulfiting the result-



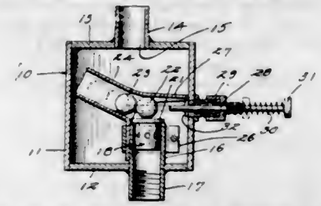
ing solution with an amount of available sulfur dioxide not materially exceeding the amount required to convert all of the carbon dioxide of the carbonate of sodium into sodium bicarbonate, maintaining a concentration of the solution such that solid sodium bicarbonate is precipitated, and separating the resulting precipitated sodium bicarbonate from the sodium sulfite solution.

1,983,790
SEWER ROD BOOSTER
Elbert J. Brooks, Sparta, Wis.
Application November 24, 1933, Serial No. 699,595
2 Claims. (Cl. 15—104.30)



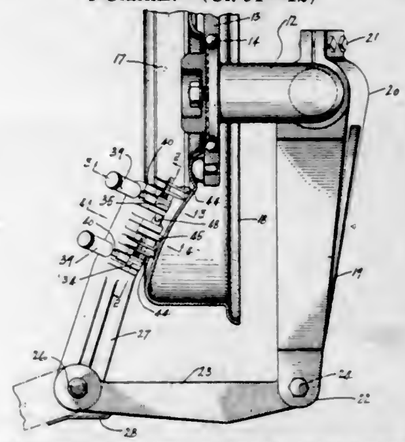
1. An apparatus for use in a manhole for the manual movement of a sewer rod or rods, comprising a base bar having openings with contracted mouths in its upper edge, Y-shaped members having divergent arms with threaded openings in their outer portions and screws bearing in said openings and adapted to be set against the masonry of a manhole to hold the base bar against rolling; one of said members being secured adjacent one end of the base bar, and the other member having an opening in its lower portion receiving the base bar, whereby said member when canted by action of its screws will be clamped to the base bar, a lever having a portion removably arranged in one of the openings of the base bar and also having an open intermediate portion, a saddle in said intermediate open portion of the lever and adapted to seat a coupling member on a sewer rod, and a cross pin connecting the saddle and lever and adapted to engage the coupling member of a sewer rod for the movement thereof by the lever, said saddle being pivoted on said cross pin.

1,983,791
AUTOMATIC SAFETY VALVE
Donald C. Carver, Charleston, W. Va.
Application November 10, 1932, Serial No. 642,109
1 Claim. (Cl. 137—153)



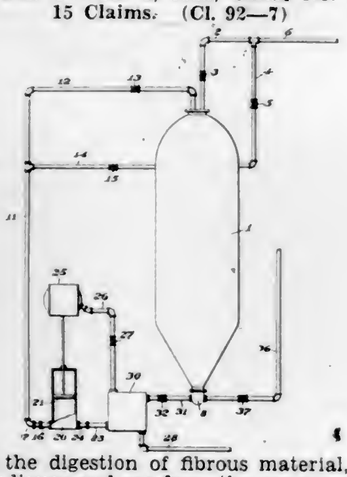
A safety valve, comprising a housing having an intake port and an outlet port, a cylinder communicating with the intake port and having a valve seat at the upper end thereof, a hollow valve slidable in the cylinder and maintained in open position by the normal pressure of the fuel supply line, said valve having a plurality of discharge ports therein, a guide member supported above the cylinder and inclined to the top of the valve, a hood disposed above the cylinder and inclined to the top thereof, a locking member movable in said guide member and adapted to gravitatingly move downwardly into wedging engagement between the hood and the top of the valve upon reduction of the fuel pressure in the cylinder, means movable in said guide member for gravitatingly forcing the lock and member across the top of the valve and wedging the locking member between the hood and the valve, and means disposed intermediate the top of the cylinder and said hood to manually move said locking member into released position, said locking member engaging the periphery of the valve when the pressure is normal and the valve is in fully opened position and being held in released position by said valve.

1,983,792
MEANS FOR STRIPING
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 28, 1929, Serial No. 374,364
3 Claims. (Cl. 91—12)



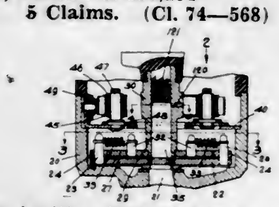
1. A striping instrument for painting a plurality of stripes comprising a standard having a pivoted arm formed with a plurality of notches, a roller in one of the notches, a plurality of pumps in the remainder of the notches, and a driving connection between the roller and the pumps.

1,983,793
METHOD AND APPARATUS FOR THE PRODUCTION OF PULP
Thomas L. Dunbar, Watertown, N. Y., and George E. Fulton, Masson, Quebec, Canada, assignors to Chemipulp Process, Incorporated, Watertown, N. Y., a corporation of New York
Application October 5, 1932, Serial No. 636,312
15 Claims. (Cl. 92—7)



1. In the digestion of fibrous material, withdrawing liquor and gas from the upper part of a digester and returning said liquor and gas together to the lower part of the digester in a pulsating stream.

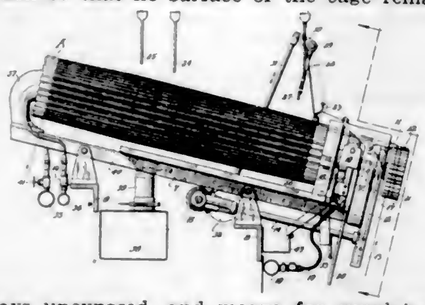
1,983,794
IGNITION TIMER
John T. Fitzsimmons, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich, a corporation of Delaware
Original application November 18, 1927, Serial No. 234,100. Divided and this application July 11, 1931, Serial No. 550,164
5 Claims. (Cl. 74—568)



3. In an ignition timer having a cam rubbing block, the combination of a hollow driven shaft supporting a cam, said shaft having a passage leading from the interior thereof to the rubbing block-engaging-surface of the cam, a drive shaft received by the hollow shaft to form a chamber, said drive shaft extending across the passage of the driven shaft, and a fibrous body saturated with lubricant located within the chamber, said drive shaft retarding the flow of the lubricant from the chamber to the cam surface.

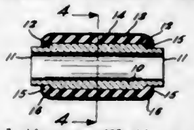
1,983,795
ART OF RAYON MANUFACTURE
William H. Furness, National Park, N. J., assignor to Furness Corporation, Gloucester, N. J., a corporation of New Jersey
Application June 20, 1931, Serial No. 545,761
24 Claims. (Cl. 18—8)

1. In combination with a spinneret, a rotating cage adapted to receive the thread and advance it in the form of a helix therealong, means for leading the thread to the cage with a traverse motion so that no surface of the cage remains



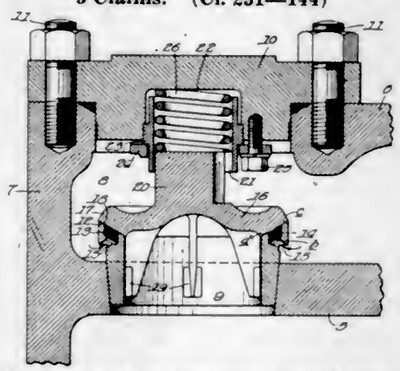
always unexposed, and means for supplying a liquid to the cage.

1,983,796
OSCILLATING PIVOT JOINT
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 30, 1932, Serial No. 626,990
3 Claims. (Cl. 287—85)



3. A metal-isolating oscillating pivot joint unit adapted to connect two relatively oscillating members, comprising: an inner pivot pin, an elastic non-metal bushing surrounding said pin, and an outer metal sleeve, said bushing being under high initial radial compression, said pivot pin having a bearing portion of slightly less length than the bushing, said bearing portion terminating in outwardly facing shoulders, and said sleeve being longer than said bearing portion and holding the ends of said bushing compressed against said shoulders.

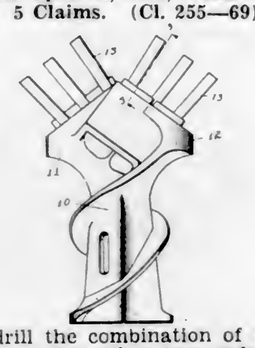
1,983,797
PUMP VALVE
Edgar E. Greve, Bellevue, Pa., assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa., a corporation of New Jersey
Application April 11, 1929, Serial No. 354,293
5 Claims. (Cl. 251—144)



1. In a pump valve assembly, a cylindrical valve seat member having at one end an enlarged end portion, said enlarged end portion affording an end seating face with a packing element receiving

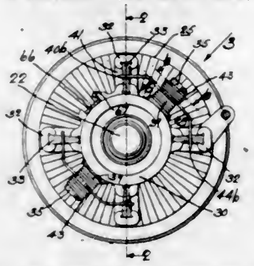
recess, said seat member being provided with a passage entering said recess at its bottom for conducting pressure fluid to the recess.

1,983,798
DRILL HEAD
Lester C. Hardsocg, Ottumwa, Iowa, assignor to Hardsocg Manufacturing Company, Ottumwa, Iowa
Application April 24, 1933, Serial No. 667,685
5 Claims. (Cl. 255—69)



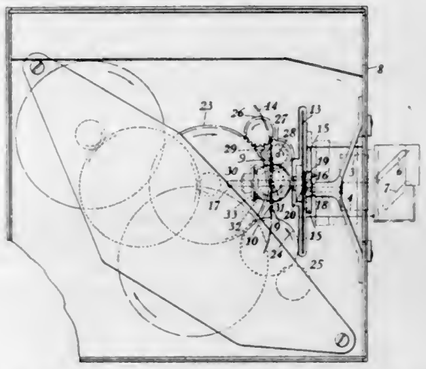
1. In a drill the combination of a drill head having a tapered opening, two wedges seated in said opening side by side, each wedge having a flat face and being formed with a rib projecting outwardly from said flat face and a bit mounted in said opening between and in engagement with the ribs of the said wedges, and whereby when the wedges and bit are forced into said tapered opening the side edges of the bit are clamped between said ribs.

1,983,799
BRUSH RIGGING
Walter D. Harrison, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 23, 1932, Serial No. 594,645
1 Claim. (Cl. 171—324)



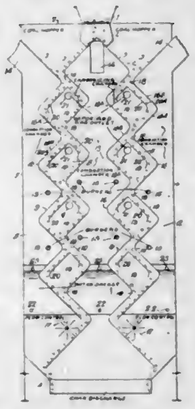
A brush rigging for plane, annular commutators comprising, in combination, a hub member by which the rigging is mounted, at least one pair of box-type brush holders extending radially therefrom and adapted to support brushes for movement toward said commutator, a post extending radially from said hub and located midway between the brush holders of a pair, and a pair of similar coil springs having their coiled portion mounted on the post and each having an inturned end received by an arcuate notch in the post and a free arm extending adjacent a brush holder to urge a brush therein toward the commutator, the arcuate notches in the post being so spaced apart that the springs can be located upon the post with their free arms adjacent and their inturned ends remote from each other, whereby the operative length of the two free spring arms are substantially equal.

1,983,800
CINEMATOGRAPH CAMERA
Albert George Hillman, London, England, assignor of one-half to Colourgravure Limited, London, England
Application May 25, 1933, Serial No. 672,862
In Great Britain January 21, 1933
11 Claims. (Cl. 88—16.4)



1. A cinematograph camera for producing colour sensation records, comprising a multiple windowed gate, a film track, an optical light beam dividing and directing system composed of plane non-refracting reflectors and co-operating matched lenses through which the component beams are transmitted to a common focal plane to produce a plurality of images from the same aspect of view on the picture areas exposed through said gate, at least one of said reflectors being rotatably mounted about an axis parallel to the plane of the gate, means for rotating said reflector for effecting fine adjustment of the images in the direction of the length of film and means for maintaining the desired adjusted relationship, and means for moving on the film to an extent permitting a re-exposure of the same picture area through the same or like colour filter.

1,983,801
CARBONIZER
Rudolph J. Hillstrom, Marshfield, Oreg.
Application December 1, 1928, Serial No. 323,075
3 Claims. (Cl. 202—124)



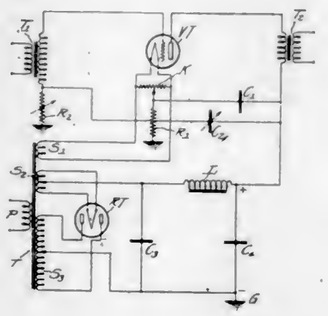
1. In a carbonizing apparatus, in combination: a vertical shell having a carbonizing chamber

therein, said carbonizing chamber having a plurality of alternate expanded and contracted portions; V-shaped hoods within the expanded portions adapted to change the direction of flow of coal passing through the carbonizing chamber; vapor and gas offtakes within the hoods; a coal hopper attached to the top portion of the shell and adapted to admit coal to the carbonizing chamber; a water jacket externally attached to the lower portion of the carbonizing chamber for cooling the carbonized residue; flow-control means in the lower portion of the shell for withdrawing the cooled carbonized residue; and burners located within the shell adjacent the contracted portions of the carbonizing chamber.

1,983,802
AMPLIFIER SYSTEM

Benjamin F. Miessner, Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 2, 1929, Serial No. 337,148
16 Claims. (Cl. 179—171)



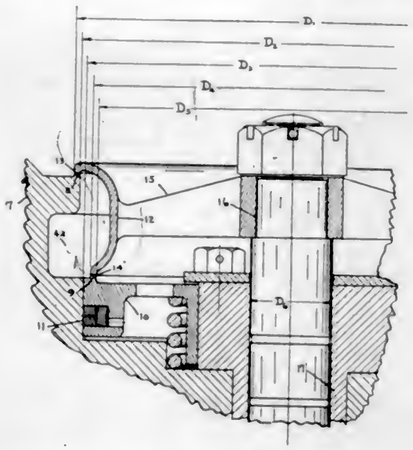
1. In a signal current amplifying system including an amplifier tube having grid-filament and plate-filament circuits, a source of uni-directional pulsating current, one terminal of which is connected to the plate of said tube, and the other terminal of which is connected through a resistance to the filament of said tube, means within said plate-filament circuit for impressing excess pulsations from said source across said resistance, connections between said grid-filament circuit and said resistance whereby the average potential of said grid is maintained at a known value relative to that of said filament, and means for impressing on said grid pulsations from said source of a phase opposite to that of said excess pulsations.

1,983,803
STEAM ENGINE VALVE

Herman G. Mueller, Erie, Pa., assignor to Skinner Engine Company, Erie, Pa., a corporation of Pennsylvania

Application February 6, 1932, Serial No. 591,367
5 Claims. (Cl. 121—185)

1. The combination of a double beat valve head having two annular valve head seats spaced apart axially; and a valve body having valve body seats receiving the valve head seats, one of said seats being yieldingly mounted and subject to closing steam pressure, the unbalanced areas of the valves in a seating direction assuming the seating surfaces to be included in the unbalanced

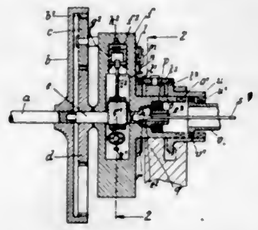


areas being at least twice as great as the seating surfaces of said valve seats.

1,983,804
EPICYCLIC GEARING, INTENDED PARTICULARLY FOR POWER DRIVEN VEHICLES

Carl Mathys-Müller, Zollikerberg, Switzerland

Application July 27, 1933, Serial No. 682,501
In Germany August 6, 1932
5 Claims. (Cl. 74—293)

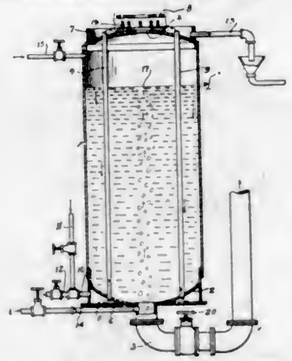


1. A variable gearing for the transmission of power comprising in combination a driving shaft, an orbit wheel thereon, an epicyclic wheel meshing with the orbit wheel, a carrier for said epicyclic wheel, a sun wheel engaging said epicyclic wheel, an independent auxiliary shaft carrying said sun wheel and disposed coaxially with relation to said driving shaft, the epicyclic wheel carrier being mounted on said auxiliary shaft, automatically variable braking means adapted to act between said epicyclic wheel carrier and the epicyclic wheel, said braking means including a cylinder carried on said wheel carrier and a piston operating in the cylinder, the cylinder having a liquid outflow opening, centrifugally actuated means controlling the flow of liquid through said opening and carried on the epicyclic wheel carrier, an eccentric carried by the auxiliary shaft and adapted to operate the piston in accordance with the rotational movement of the epicyclic wheel carrier, a driven shaft, a reversing gear rotatably mounted on the wheel carrier, and means whereby the wheel carrier may be either coupled directly with said driven shaft or through said reversing gear.

1,983,805
GAS AGITATED CRYSTALLIZING AND CURING TANK

Joseph J. Munson, Houma, and Gilbert L. Pace, Montegut, La.

Application December 23, 1932, Serial No. 648,689
5 Claims. (Cl. 127—16)

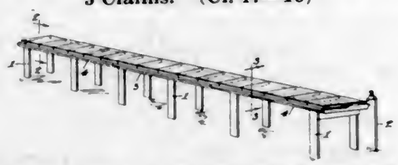


1. Apparatus for curing masseculte comprising a tank positioned with its axis vertical, an open ended shell substantially vertically arranged in the middle of said tank and spaced from the bottom thereof, means for creating an aerated column in said shell, and a series of tubes extending vertically through said tank arranged annularly between said shell and the wall of said tank adapted for the selective passage of hot or cold heat exchanging medium therethrough.

1,983,806
GREENHOUSE EQUIPMENT

William F. Norman, Nevada, Mo.

Application October 14, 1933, Serial No. 693,598
5 Claims. (Cl. 47—18)

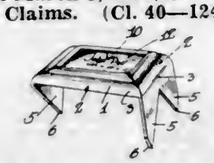


1. Green-house equipment including a bench trough of separable knockdown sections and perforated seedling flats, each section of the bench having its sides turned up and rolled over, each pair of sections having a lip on an end of one section and a fold on an end of the other section, the lip of one fitting the fold of the adjacent section to form a slip joint, the rolled sides joining with the lip and fold respectively to form a continuous trough with a rolled edge, the seedling flats bridging between opposite rolled edges and defining between the trough bottom and the bottom of the seedling flats a space for continuous irrigation throughout the trough.

1,983,807
MARKER FOR GRAVE SITES

William F. Norman, Nevada, Mo.

Application March 3, 1934, Serial No. 713,892
5 Claims. (Cl. 40—124.5)

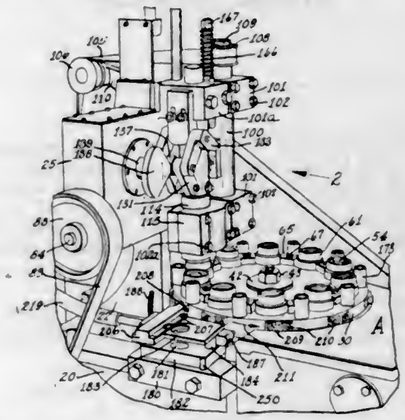


2. A marker for grave sites comprising a body portion having a sight aperture and recessed for the insertion of a card, and having opposite lips, extensions bent from the body portion to form legs, and card securing means supported by the opposed lips.

1,983,808
DISTRIBUTOR ROTOR ASSEMBLING DEVICE

Lora E. Poole, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 15, 1932, Serial No. 637,909
28 Claims. (Cl. 29—33)

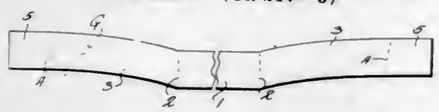


1. A machine for assembling a contact and a segment with a distributor rotor by means of an insert therein comprising, in combination, a workholder floatingly mounted for properly locating a rotor; a rotatable tool for spinning the free end of the insert extending through the contact and segment upon relative movement between said tool and the rotor; and means for effecting relative movement between the tool and the rotor.

12. A machine for assembling a contact member and a segment member with a distributor rotor by means of an insert therein and for shearing excessive length off the assembled segment member comprising, in combination, a rotary conveyor; a plurality of equiangularly spaced workholders floatingly carried by the conveyor, each having a cylindrical periphery and adapted non-rotatably to support a rotor with its axis of rotation coaxial of the axis of the periphery of the workholder; means for indexing the conveyor; a rotating tool for spinning the free end of an insert extending through both members upon relative movement between said tool and an aligned rotor during an intermittent rest-period of the conveyor; means actuated in response to operation of the conveyor indexing means for effecting relative movement between the spinning tool and said aligned rotor; shear members carried by the conveyor, each being journaled about the periphery of a workholder and having a shearing edge which is curved concentrically of the periphery of the workholder; a single shear member cooperating with an aligned shear member on the conveyor to perform a shearing operation upon relative movement between said single shear member and the cooperating shear member during the same intermittent rest period of the conveyor; means actuated in response to relative movement between the spinning tool and a rotor for effecting relative movement between said single shear member and the cooperating shear member; and

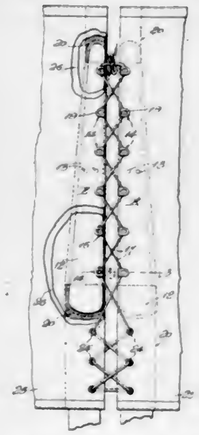
means carried by the movable shear member for urging the assembled segment member into engagement with the other shear member prior to the shearing operation.

1,983,809
GUARD
Arthur E. Rice, Biglerville, and James W. Trew, Gettysburg, Pa., assignors to Rice, Trew & Rice Co. Inc., Biglerville, Pa., a corporation of Pennsylvania
Application March 28, 1933, Serial No. 663,226
3 Claims. (Cl. 217—3)



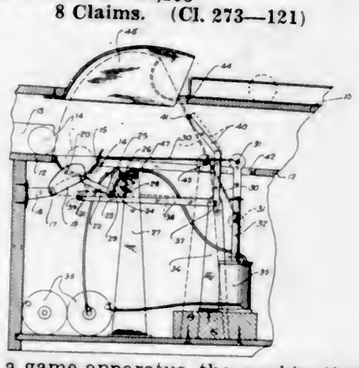
1. A guard for a container having a transverse wall, said guard comprising a substantially U-shaped band, the side members of the band to engage the upper portion of the interior of the side walls of the container and the intermediate member of the band to engage the upper portion of the transverse wall, and means on the outer extremities of the side members of the band being disposed above and inclined with respect to an end wall of the container and exposed for contact with a lid to flex the upper marginal portions of said side members inwardly of the container.

1,983,810
ADJUSTABLE HOOK-LACING CLASP FOR CORSETS AND THE LIKE
Joel A. Rice, New York, N. Y.
Application May 12, 1933, Serial No. 670,773
Renewed May 8, 1934
11 Claims. (Cl. 24—140)



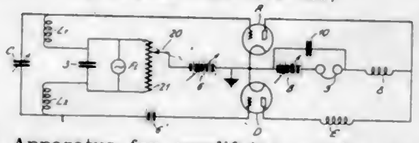
1. In a hook-lacing clasp for corsets and the like, a flat resilient metal outer strip having longitudinally spaced slots, a flat resilient metal inner strip lying permanently at the inner side of said outer strip, and lace-engaging hooks carried by said inner strip, said hooks having shank portions passing through said slots of said outer strip and having bills spaced outwardly from said outer strip, the ends of said strips being slidably engaged to allow relative sliding during flexure, the ends of said slots being spaced from said shank portions to permit such sliding without interference.

1,983,811
GAME APPARATUS
Bon MacDougall, Los Angeles, Calif., assignor to Fred C. McClellan, Chicago, Ill.
Original application June 28, 1934, Serial No. 732,754, Patent No. 1,973,820, September 18, 1934. Divided and this application July 14, 1934, Serial No. 735,105
8 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a member providing a playing surface having a ball exit opening therein; and means actuated by a ball passed through said opening to a level below said playing surface to elevate said ball from said lower level up to said playing surface.

1,983,812
SUPERREGENERATIVE CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 23, 1932, Serial No. 588,316
5 Claims. (Cl. 250—20)

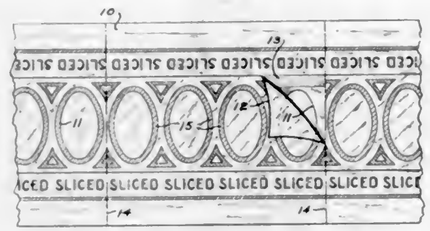


1. Apparatus for amplifying varying electric currents comprising a space discharge device having a tuned input circuit and an output circuit said input and output circuits being coupled so as to produce regeneration, a second space discharge device having an input circuit and an output circuit said last named input and output circuits being coupled so as to produce degeneration, said two input circuits including a common portion and said two output circuits including a common portion, a source of interrupting frequency energy effectively in circuit with the second named space discharge device only for rendering said space discharge device alternately effective and ineffective, said second named space discharge device being adapted to introduce a positive resistance in said tuned circuit during its period of effectiveness to thereby control the effect of the regenerative action of the first named device.

1,983,813
WRAPPER
Shy Rosen, Flushing, N. Y.
Application June 27, 1934, Serial No. 732,555
2 Claims. (Cl. 229—87)

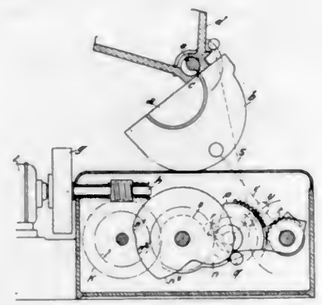
2. A commodity wrapper, comprising a single main sheet of translucent flexible wrapping material having a uniform series of window openings

extending from one end thereof to the other, and a single strip of flexible transparent material of less width and of the same length as the main sheet,



in registry with all of said openings, said strip being permanently attached at its opposite side edges directly to said main sheet.

1,983,814
DRIVE OF MACHINES FOR CASTING STEREOTYPE PLATES
Karl Schaeflein, Bern, Switzerland
Application October 24, 1932, Serial No. 639,311
In Germany November 6, 1931
4 Claims. (Cl. 22—2)



4. In a stereotype plate casting machine, the combination of a melting pot having a valved outlet leading therefrom, a mold adapted for movement toward and away from said valved outlet, rotary actuated cam means having two operative cam surfaces, a toothed segment provided with means operatively associated with said cam surfaces for oscillating said segment, a connection between said segment and the valved outlet, a second toothed segment in mesh with the first toothed segment and a connection between the second segment and the mold.

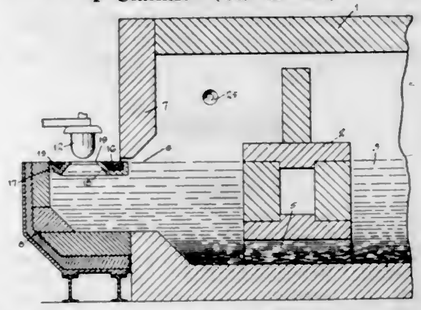
1,983,815
PLANTING TROWEL
Ferdinand Schmiett, Los Angeles, Calif., assignor of one-third to Rosalie S. Jacoby, Los Angeles, Calif.
Application April 24, 1934, Serial No. 722,126
3 Claims. (Cl. 47—57)

1. A planter's trowel having a blade with legends thereon giving the names of flowers at different levels above the lower end of the trowel indicating the depth for planting the flowers referred to in the said legends, said trowel having a tubular handle, and a roll removably mounted in



said handle and bearing legends indicating the seasons for planting different flowers.

1,983,816
HEAT RETAINING FLOAT FOR GLASS TANK FEEDING SHELVES
Franz G. Schwalbe, Toledo, Ohio
Application September 12, 1933, Serial No. 689,112
4 Claims. (Cl. 49—56)

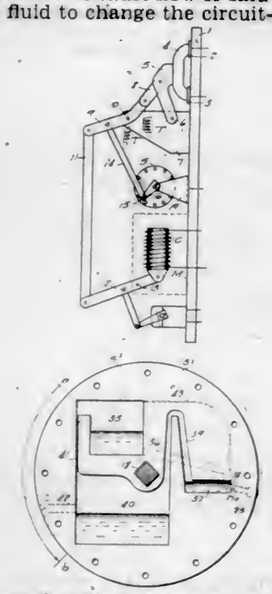


1. In combination with a glass shelf, a refractory member substantially fitting the interior of the shelf and floatable on the surface of the glass in the shelf and having an arcuate glass delivering port, a suction gathering mold, and means for moving the mold circularly along and into the port.

1,983,817
CONTROL SYSTEM
William M. Scott, Tredyffrin Township, Chester County, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application October 24, 1933, Serial No. 694,947
23 Claims. (Cl. 175—294)

1. The combination with a circuit-controlling device operating upon occurrence of an abnormal condition of the circuit controlled thereby, an electro-motive actuating means energizable for resetting of said device, structure for controlling said electro-motive means comprising a reservoir for electrically conductive fluid and contact structure for engagement thereby controlling the energization of said electromotive means, and means for actuating said structure in response to abnormal condition operation of said circuit-

controlling device to cause flow of said electrically conductive fluid to change the circuit-controlling



relation thereof with respect to said contact structure.

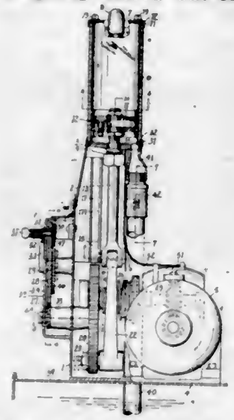
1,983,818
ELECTRIC LAMP BULB CONNECTER
George J. Seiss, Toledo, Ohio
Application February 23, 1933, Serial No. 657,948
1 Claim. (Cl. 173—358)



An electric lamp bulb support comprising an elastic sheet metal strip having a bowed portion and parallel disposed portions, one of the portions having an opening, the edge of the opening formed spirally, the other of the parallel portions depressed to form a recess, an electric terminal and an insulating washer surrounding the terminal, the terminal and the washer located in the recess, the washer insulatingly separating the terminal from the metallic strip and the said terminal adapted to be engaged by the central terminal of the bulb when the base of the bulb is screwed into the opening, the said strip operating to elastically press the contact and the terminal together to maintain the bulb securely in its connected position.

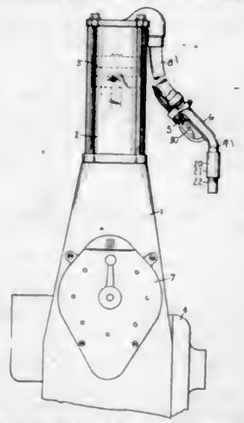
1,983,819
DISPENSING PUMP
Ernest W. Shugart, Kalamazoo, Mich.
Application April 21, 1933, Serial No. 667,177
8 Claims. (Cl. 221—103)

1. In a dispensing pump structure, the combination of a suitable base, an electric motor with a reducing gear mounted thereon, a supporting frame on said base with a pump cylinder base formed thereon, a pump cylinder with discharge at its upper end and with intake at its lower end, a hydraulic piston therein with suitable pump check valve, a piston rod with crosshead cooperating with said pump piston, a gear with pitman connection for actuating said pump piston, a slip clutch between the said gear and the said motor, a discharge pipe from the said cylinder with spring closed cut-off valve, and



an operating lever carried by the discharge pipe with connection to control the switch of said motor whereby the amount of oil fed can be controlled at the nozzle by the stopping of said motor.

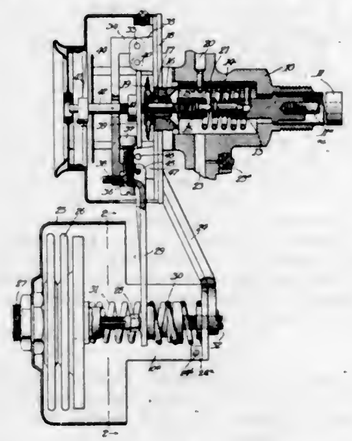
1,983,820
NOZZLE
Ernest W. Shugart, Kalamazoo Township, Kalamazoo County, and Henry Van Dam, Kalamazoo, Mich.
Application January 20, 1934, Serial No. 707,524
11 Claims. (Cl. 221—100)



1. A nozzle comprising in combination, a support terminating in an internally threaded end, an elongated cylindrical head threaded into the end of said support and having an outer end projection of reduced diameter, opposed wall ports spaced from its outer end, an annular external bearing flange spaced above said ports, and opposed internal longitudinal grooves extending inwardly from its inner end and terminating medially thereof, an elongated cylindrical cup fitting within said head for reciprocating longitudinal movement and having opposed wall ports for registry with the wall ports in said head, and opposed external longitudinal tongues extending inwardly from its inner end for coaction with the grooves in said head to prevent relative rotative movement between the head and cup and to limit the outward travel of the cup relative to

the head, a cup retracting compression spring disposed between the bottom of the cup and the bottom of the head to urge the cup inwardly of the head to cover the wall ports thereof, a sleeve comprising an inner cylindrical member having an annular internal bearing flange at its inner end coacting with said head and abutting the end of said support, and an outer cylindrical member threaded within said inner member and having an internal flange at its outer end abutting the outer end of said head and providing an end port fittingly receiving the outer end projection of said head, a sleeve retracting compression spring arranged on said head within said sleeve between the external bearing flange of said head and the internal bearing flange at the inner end of said inner sleeve member for urging said sleeve inwardly of said head to close the end port of said head, and manually regulatable means for supplying fluid to said support under sufficient pressure to first actuate said cup against the force of its retracting spring to register its wall ports with the wall ports in said head and second to actuate said sleeve against the force of its retracting spring to open its outer end port through which the fluid is finally ejected from the nozzle.

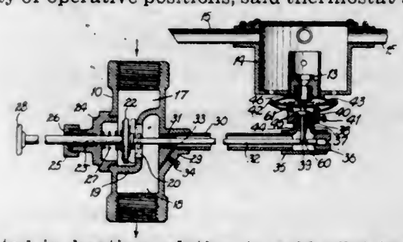
1,983,821
DIFFERENTIAL THERMOSTAT
Morton O. Snediker, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1933, Serial No. 682,803
11 Claims. (Cl. 236—102)



1. In combination, a thermostatic element, a valve operated thereby for controlling a supply of heat, means for controlling the adjustment of said thermostat relative to its valve, said means including a bellows, motion-multiplying means between said bellows and said valve adjustment, and means for varying the ratio of motion multiplication.

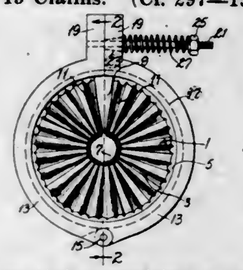
1,983,822
SAFETY DEVICE FOR BURNERS AND THE LIKE
John A. Spencer, Newton, Mass., assignor to The Spencer Thermostat Company, Cambridge, Mass., a corporation of Massachusetts
Application June 17, 1930, Serial No. 461,803
2 Claims. (Cl. 158—117.1)

1. In a gas burner system, a main gas supply line, a spring-closed main valve therein, said main valve being operable completely to cut off flow of gas through said main supply line, a pilot burner, a pilot burner gas supply line connected to the delivery side of said main valve, a pilot valve in said pilot supply line, and a by-pass around said pilot valve, whereby said pilot valve is operable to throttle, but not completely to cut off, flow of gas to said pilot burner, a thermostat having a plurality of operative positions, said thermostat being



located in heating relation to said pilot burner, and means operatively connecting said thermostat to said main valve and to said pilot valve, said thermostat being operable through said means to hold said main valve open against the action of its spring, and to hold said pilot valve closed, when in its hot position, and to permit said main valve to close under the action of its spring, and to open said pilot valve, when in its cold position.

1,983,823
THERMOSTAT
John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application September 6, 1932, Serial No. 631,777
13 Claims. (Cl. 297—15)

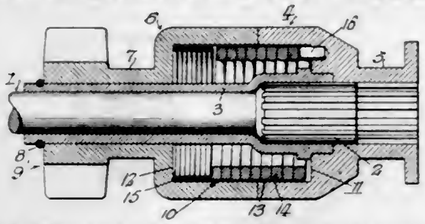


2. A thermostat comprising a radially corrugated disc of composite thermostatic metal, said disc having two positions of stable equilibrium between which positions it snaps in response to temperature changes, during which snapping said disc sets up outwardly directed expansive forces at the periphery thereof, and means mounting said disc and responsive, by movement, to the said expansive forces.

1,983,824
SPRING CLUTCH
William C. Starkey, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a corporation of Indiana
Application January 7, 1931, Serial No. 507,060
10 Claims. (Cl. 192—41)

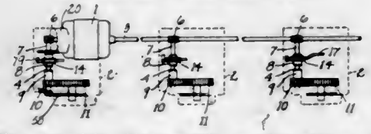
1. A spring clutch embodying therein two relatively rotatable clutch members, a clutch spring embodying therein a main clutching portion comprising a plurality of spring turns and an energizing portion at one end of the main clutching portion, means connecting a part of said main clutching portion with one of said members so as to be rotative therewith, the other member

having a surface arranged to be gripped by said main clutching portion upon a change in its diameter in one direction, the energizing portion comprising at least one complete spring turn directly connected to the end of one spring turn of the main clutching portion and having a normal diameter different from that of and being more resilient than the turns in the main clutch-



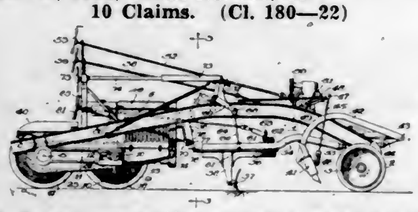
ing portion and made of stock of a cross sectional thickness less than that of the main clutching portion of said spring, said energizing portion of said spring in a relative rotation between the clutch members in one direction operating to clutch against said surface to energize said main clutching portion into clutching engagement with said surface to clutch said two members together.

1,983,825
SWITCH MECHANISM FOR PUMPS
Henry Van Dam, Kalamazoo, Mich.
Application January 20, 1934, Serial No. 707,525
19 Claims. (Cl. 221—101)



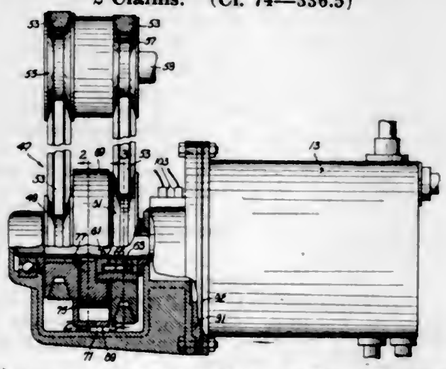
1. The combination with a plurality of fluid dispensing pumps each having a hose terminating in a nozzle, of a driving motor, a normally open manually controlled switch on each nozzle in control circuit relation with said motor, a normally open clutch connecting each pump to said motor, an electromagnet associated with each clutch for closing the same on the closing of said switch, a normally closed switch associated with each pump in control circuit relation with said motor, means associated with each pump and actuated thereby for opening said normally closed switch, and manually controlled means for predetermining the operation of said switch opening means to control the quantity of fluid delivered by such pump.

1,983,826
ROAD MACHINE
Fred D. Wilson, Harvey, Ill., assignor to Western-Austin Company, a corporation of Illinois
Original application October 20, 1928, Serial No. 313,730. Divided and this application September 21, 1931, Serial No. 563,938
10 Claims. (Cl. 180—22)



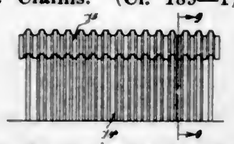
1. In an automotive machine, a frame therefor, steering wheels at the front of said frame and a power plant at the rear of said frame, said power plant being provided with multiple drive wheels positioned in tandem, rocker beams for connecting the drive wheels on each side of the frame, the forward end of each rocker beam being mounted on springs connected to the forward end of the power plant.

1,983,827
TRANSMISSION
Anthony Winther, Kenosha, Wis., and Martin P. Winther, Waukegan, Ill.
Original application September 15, 1933, Serial No. 689,618. Divided and this application March 12, 1934, Serial No. 715,140
2 Claims. (Cl. 74—336.5)



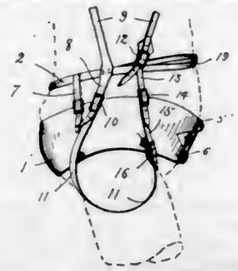
1. A drive operable from a variable speed prime mover, comprising a driving member driven according to prime mover speed, a driven member, a plurality of intermediate drivers for the driven member, each intermediate member having a driving connection with said driving member, but the velocity ratios of said connections being high and low respectively, whereby one intermediate member is driven at a relatively high speed and the other at a relatively low speed, a centrifugal clutch articulating the high-speed intermediate member with the driven member adapted to open at a predetermined high speed and an overrunning clutch connecting the low-speed intermediate member with the driven member, permitting the high-speed intermediate member to normally drive and permitting the low-speed intermediate member to drive under predetermined conditions of high prime mover speeds.

1,983,828
SHEET METAL BUILDING CONSTRUCTION
Joseph A. Wise, Minneapolis, Minn.
Application October 15, 1930, Serial No. 488,761
2 Claims. (Cl. 189—1)



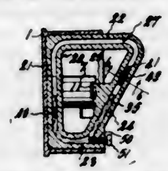
1. A building having a sheet metal, continuous arched roof covering formed with deep corrugations extending circumferentially, sheet metal wall covering having deep corrugations extending vertically, tie rods for sustaining the horizontal component of end thrust, said tie rods being connected to the roof covering near the junction of the same with said wall covering, the span of the arch between walls being in excess of fifteen feet and said wall and roof covering constituting the principal load supporting system and the several corrugations of the roof transmitting equal loads to the supporting walls.

1,983,829
HIP TRUSS
Theodore Ziminski, Duluth, Minn.
Application July 24, 1933, Serial No. 681,879
1 Claim. (Cl. 128—78)



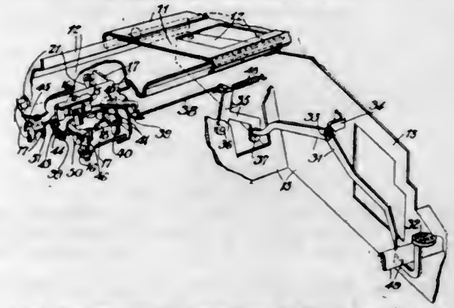
A body harness particularly adapted for the support of an injured hip comprising a relatively wide major belt for engagement about the lower extremity of the torso including the hips, a narrow supporting waist belt spaced above and attached to the major hip belt, leg straps depending from the major belt the ends of which converge to and over the major belt to which they are fixed and also extending to and attached to the waist belt upon the right and left sides thereof, and a shoulder strap extending from the union of the upper termini of a leg strap with the waist band to the diagonally opposite shoulder.

1,983,830
DECELEROMETER
Reginald J. Alden, Fitchburg, Mass.
Application April 2, 1932, Serial No. 602,679
5 Claims. (Cl. 177—311.5)



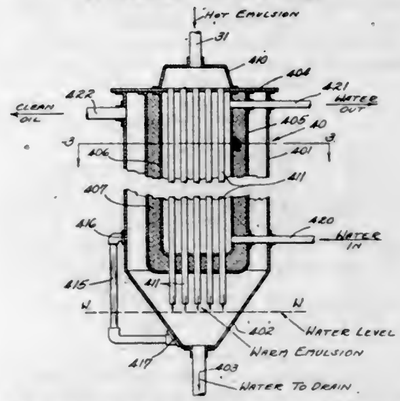
1. An instrument of the character described which comprises a cylindrical casing formed of non-conducting material, said casing being open at the rear and provided on its front face with two spaced window openings, cylindrical members projecting inwardly from said opening, a pane of transparent material and an electric light bulb supported in each of said cylindrical members in alignment with the adjacent window opening, a bar bridging the inner ends of said cylindrical members to retain the panes and bulbs within said members and forming an electrical contact with both said lights, a generally triangular, hollow frame frictionally engaged within the casing intermediate said cylindrical members, means carried by the frame and engaging the bar to retain the latter in place, a quantity of mercury within the hollow of the frame, a contact member extending through the wall of the frame and normally in contact with the mercury and connected in circuit with one of said lights, a second contact member extending through the wall of the frame normally out of contact with the mercury and connected in circuit with the second of said lights and a third contact member extending through the wall of the frame at a point intermediate said first and second contact members, said bar and said third contact member being adapted for connection to a source of electric current.

1,983,831
BACK SPACING MECHANISM
Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a corporation of New York
Application August 17, 1933, Serial No. 685,561
3 Claims. (Cl. 197—91)



1. A typewriting machine having a frame, a platen carriage, a toothed escapement wheel reversely rotative about an up and down extending axis to back space the carriage, a bellcrank pawl for reversely rotating said wheel, a bellcrank pawl carrier upon which said pawl is fulcrumed, said pawl and carrier being fulcrumed respectively to the left and right of the wheel axis on axes parallel to the wheel axis and each having a forwardly extending arm and a leftwardly extending arm, the pawl being fulcrumed on the leftwardly extending arm of the carrier and having a nose on its forwardly extending arm for engaging a tooth of the wheel, a spring connecting the leftwardly extending arms of the pawl and carrier for urging the nose of the pawl to an adjacent tooth of the wheel, stationary means normally engaged with the leftwardly extending arm of the pawl to hold the pawl disengaged from the wheel, a back space key, and means connecting said key with the forwardly extending arm of the pawl carrier for rocking the pawl carrier to cause the pawl to reversely rotate the wheel.

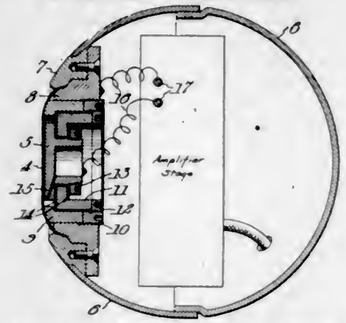
1,983,832
APPARATUS FOR DEHYDRATING OIL AND WATER EMULSIONS
Walter C. Bailey, Norwalk, Calif.
Application September 8, 1931, Serial No. 561,637
6 Claims. (Cl. 196—5)



6. An apparatus for separating oil from an oil and water emulsion, which comprises: means for producing hot emulsion; a shell providing an outer chamber having a closure plate; walls form-

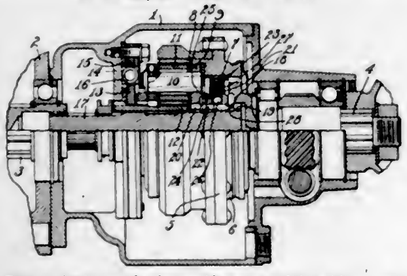
ing an inner chamber supported within said outer chamber by said closure plate; means for circulating a cooling fluid through said inner chamber; walls forming restricted passages extending through said inner chamber to said outer chamber whereby hot emulsion is partially cooled in its downward passage through said passages and is forced into contact with water contained in said outer chamber to effect a separation of the oil and water of said emulsion; means for withdrawing oil from the upper part of said outer chamber; and means for withdrawing water from the lower part of said outer chamber.

1,983,833
ACOUSTIC DEVICE
Stuart Ballantine, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 8, 1930, Serial No. 500,916
4 Claims. (Cl. 179—121)



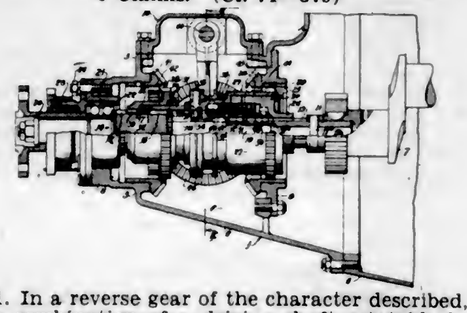
1. In a microphone, the combination with a pick-up device of the type including an exposed diaphragm and an air damping chamber at the rear of said diaphragm, of a spherical housing for said pick-up device having a radius of the order of magnitude of the wave length of sound waves in air at the highest sound frequencies to which the microphone is to respond, whereby the frequency variation of response arising from air damping is reduced by pressure increase due to reflection by said housing.

1,983,834
PLANETARY TRANSMISSION AND SYNCHRONIZER
William B. Barnes, Indianapolis, Ind.
Application August 9, 1933, Serial No. 684,389
4 Claims. (Cl. 74—290)



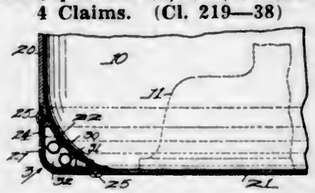
1. In a transmission, the combination with a driven shaft, of a driving member therefor having formed thereon, positive clutch teeth, a ring gear and one member of a friction clutch, a driving shaft, an intermediate shaft axially shiftable relatively to said driving and driven shafts and drivingly connected to the driving shaft, clutch teeth on said intermediate shaft for engagement with the clutch teeth of said driving member, a stationarily mounted sun gear, a plurality of pinions interposed between said sun and ring gears, a mounting for said pinions, means for drivingly connecting said mounting with said intermediate shaft, a second member of a friction clutch resiliently connected to said intermediate shaft and movable by said intermediate shaft into engagement with its cooperating member prior to the engagement of the positive clutch teeth.

1,983,835
MARINE REVERSE GEAR
Clarence H. Barton and Charles Drexler, Indianapolis, Ind., assignors to L. G. S. Devices Corporation, Indianapolis, Ind., a corporation of Indiana
Application April 25, 1931, Serial No. 532,751
9 Claims. (Cl. 74—379)



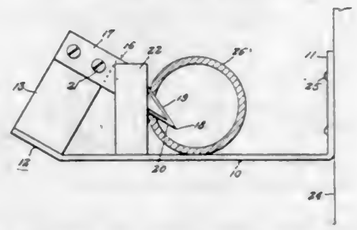
1. In a reverse gear of the character described, the combination of a driving shaft rotatable in one direction, a coaxial driven shaft rotatable in either direction, an overrunning clutch unit shiftable longitudinally of the shafts in either direction and comprising a clutch member connected to be driven by the driving shaft, a relatively rotatable complemental clutch member and a spring between the two clutch members adapted in response to shift of the unit in either direction to change its diameter and to connect the two members for drive one from the other, means between the complemental clutch member and the driven shaft whereby when the unit is shifted in one direction said driven shaft is connected to the complemental clutch member for drive thereby in the same direction as the driving shaft, and reversing gearing between said complemental clutch member and the driven shaft whereby when the clutch unit is shifted in the other direction the driven shaft is reversely driven by said complemental clutch member.

1,983,836
WASHING MACHINE
Anna F. Bergquist, Gardner, Mass.
Application September 29, 1933, Serial No. 691,439
4 Claims. (Cl. 219—38)



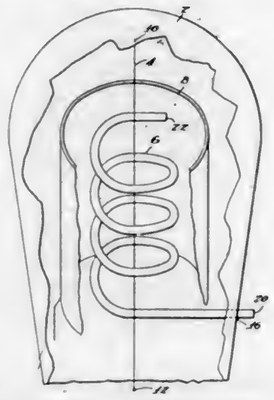
1. In a washing machine, a vertically disposed and substantially cylindrical receptacle in which the washing is performed, said receptacle having a bottom and having an outwardly convex rounded corner portion between the cylindrical side and said bottom, an electric heating unit mounted outside of and adjacent said convex surface, a cover plate secured to said receptacle at said corner portion and enclosing said heating unit, and a layer of heat-insulating material interposed between said cover plate and said unit.

1,983,837
HOSE CUTTER
Louis P. Berwick, Methuen, Mass.
Application October 21, 1933, Serial No. 694,663
2 Claims. (Cl. 164—80)



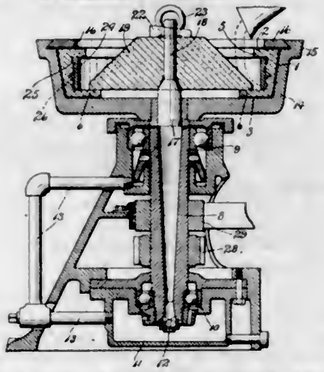
1. As an article of manufacture, a hose cutter comprising a bracket having an end adapted to be secured to a stationary element and a guide spaced from said end and parallel with it between which guide and said end pieces of hose of varying sizes can be placed resting on a surface of the bracket located between said end and the guide, and a knife having an end adapted to penetrate a rubber hose and an edge for cutting the hose, said end projecting at an angle from the center of said guide toward the surface of the bracket on which the hose is supported.

1,983,838
SPACE-CURRENT DEVICE
Edward Lindley Bowles, Wellesley Farms, Mass.
Application May 31, 1930, Serial No. 457,993
3 Claims. (Cl. 250—27.5)



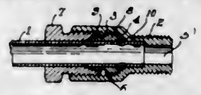
2. A space-current device having a chamber, and a filament, a plate and a hollow control electrode in the chamber, the control electrode being open at one end and closed at the other end, and means for forcing fluid under pressure into the open end of the control electrode to cause the control electrode to vary its position relative to the filament and the plate.

1,983,839
METHOD OF MANUFACTURING A BRAKE DRUM
Charles W. Dake, Grand Haven, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application January 15, 1934, Serial No. 706,693
6 Claims. (Cl. 22—201)



1. The herein described method which consists, in providing a mold for a brake drum ring or flange, rotating the same and depositing a molten mixture of iron and copper therein, wherein the copper does not exceed 15% of the mass and is at least 3% of the mass, and revolving the mold at a sufficient speed to cause a separation of the molten copper and molten iron, the copper of heavier specific gravity than the iron moving outwardly towards the mold.

1,983,840
COMPRESSION COUPLING
Burt E. Dohner, Oakwood, Ohio
Application June 16, 1933, Serial No. 676,152
3 Claims. (Cl. 285—166)

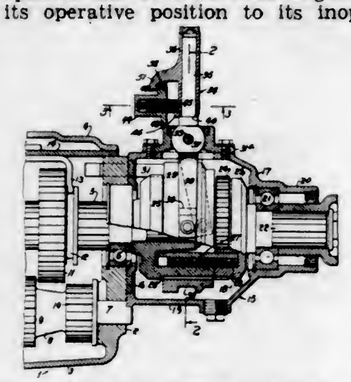


1. A coupling for connecting a fitting to a cylindrical member, a compression nut applied to the cylindrical member for entrance into the fitting, a compression sleeve carried by the inner end of the nut, a ridge on said sleeve, and a sealing ring within the compression sleeve for cooperation with the ridge in providing a leakproof connection, under vibration, between the cylindrical member and fitting when the nut is screwed into the fitting.

1,983,841
LOCK-OUT LEVER MECHANISM FOR FREE-WHEELING UNITS
Charles Drexler, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a corporation of Indiana
Application October 9, 1931, Serial No. 567,791
7 Claims. (Cl. 192—48)

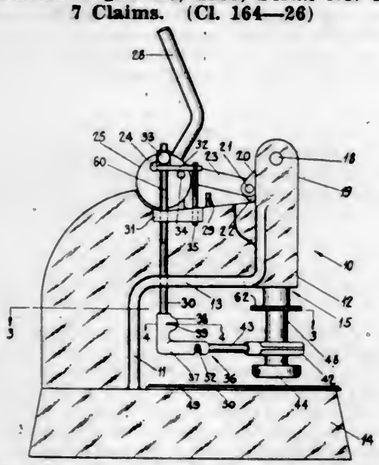
1. A transmission embodying therein a free wheeling clutch including relatively rotatable clutch members and means for operatively connecting them together in a relative rotation in one direction, a collar for locking the two clutch members together for conjoint rotation in either direction shiftable axially on said members from an inoperative position to an operative position.

a hand operated lever for moving said collar in one direction from its inoperative position to its operative position, and spring means operating upon a part of said lever for returning the collar from its operative position to its inoperative



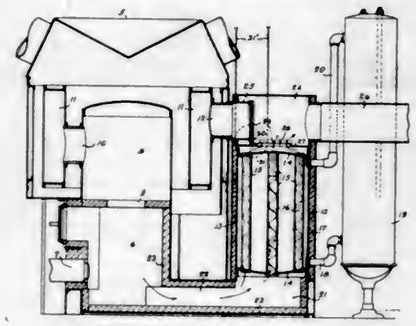
position, said lever including relatively movable lever members which when so relatively moved, will lock said collar in said operative position against the action of said spring means operating upon a part of said lever.

1,983,842
CUTTING PRESS
Abraham Drucker, New York, N. Y.
Application August 18, 1933, Serial No. 685,672
7 Claims. (Cl. 164—26)



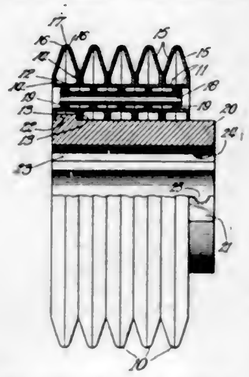
1. In a cutting-press of the character described, comprising an open side frame, a plunger housing, a plunger and a flat base plate, a shaft positioned in spaced relation parallel to said plunger and being slidably mounted, a cutter carrier mounted at the lower end of said shaft and adapted to grip and support a cutting die below said plunger, said cutter carrier being rotatably mounted on said sliding shaft and having means for aligning said plunger and cutting die, a toggle mechanism including a central hinge pin, a link having one end connected to said hinge pin and the other end connected to a pin eccentrically mounted in operative relation with a drive shaft, means for actuating said drive shaft, an arm secured at the upper end of said slidable shaft, and resting on a pin eccentrically mounted in operative relation with said drive shaft for elevating said shaft, said cutting die being constrained by said elevating means to follow the movements of said plunger.

1,983,843
COMBINED FURNACE AND DOMESTIC HOT WATER HEATING APPARATUS
Dirk Eisinga, Glendale, Calif., assignor to National Steel Construction Co., Seattle, Wash., a corporation of Washington
Application November 29, 1932, Serial No. 644,760
7 Claims. (Cl. 126—101)



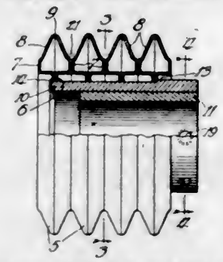
1. In a combined room heating and domestic water heating apparatus; a furnace having a combustion chamber; a smoke pipe; means forming two heat take off passageways connected with said combustion chamber and said smoke pipe at opposite ends; domestic water heater means positioned in one of said heat take off passageways; movable damper means operatively positioned between the smoke pipe and the adjacent ends of said two passageways, and means to selectively move said damper means to close either of said passageways and leave the other passageway open.

1,983,844
SHEAVE
Ralph L. Evenburgh, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Delaware
Application December 7, 1929, Serial No. 412,406
18 Claims. (Cl. 64—17)



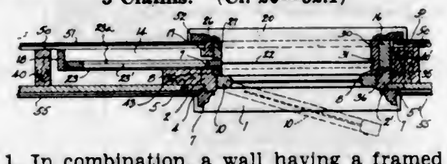
1. A sheave comprising a bound collection of sheet metal discs formed with deflected rim portions and arranged in pairs having their rim portions diverging to provide belt races, said discs having flat central parts at right angles to the sheave axis and being formed between their central parts and rim portions with axially spaced portions providing opposite abutment faces, the abutment face portions of adjacent discs cooperating for positioning the discs and transmitting the compressive strains due to the binding.

1,983,845
SHEAVE
Ralph L. Evenburgh, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Delaware
Application December 7, 1929, Serial No. 412,407
6 Claims. (Cl. 64—17)



1. A sheave comprising a collection of pressed steel discs formed with annular shoulders and deflected rim portions and flat central abutment portions, said discs being arranged alternately face to face and back to back, the confronting discs cooperating to provide belt races and abutting one another adjacent to the belt races and abutting the adjacent discs centrally, the central abutment portions of the discs being short flanges at right angles to the axis of the sheave, and a hub on which the discs are fitted in driving engagement therewith, said hub comprising a sleeve formed at one end to provide an exterior shoulder centrally engaging one of the end discs, and having its opposite end spun over the central portion of the opposite end disc, whereby the discs are bound together and secured in fixed position on the hub.

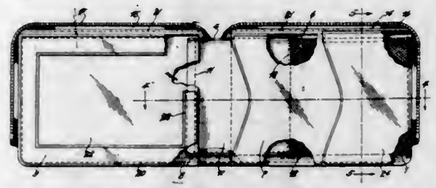
1,983,846
SCREEN AND SASH FRAME
James D. Fuller, Seattle, Wash.
Application June 20, 1932, Serial No. 618,242
3 Claims. (Cl. 20—52.1)



1. In combination, a wall having a framed in opening and a vertical stud of substantially lesser thickness than the wall dividing the opening and disposed close to the outer side of the wall, and a window frame structure fitted in the wall opening between one side thereof and the vertical stud and having a housing formed as a part thereof and extending laterally between the inner face of the said stud and inner face of said wall into the wall opening beyond the stud; said frame also having a jamb at that side comprising spaced sections providing an intermediate open space for passage of a sliding panel from the frame into said housing.

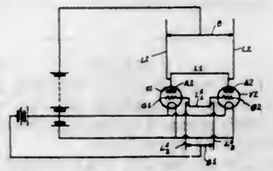
1,983,847
BILLFOLD
Prince A. Gardner, Jr., St. Louis, Mo.
Application August 12, 1932, Serial No. 628,481
1 Claim. (Cl. 150—38)

A device of the character described comprising an outer wall having a transverse foldable portion intermediate of its ends, pocket walls having their lower and outer edges attached to the lower and outer edges of said outer wall respectively and having their inner ends above said lower edges unattached to said outer wall and spaced apart an appreciable distance and forming spaced inwardly open pockets, a panel connected with one of said pocket walls and bridging the space between said respective pocket walls and extending into the opposite pocket and cooperating with said pocket walls and with said outer walls to form an



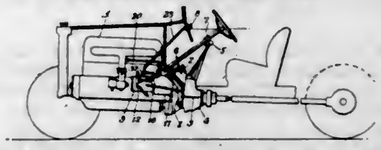
elongated pocket, wall elements attached to the upper and outer edges of said outer wall and extending toward each other beyond the adjacent surfaces of said pocket walls when said outer wall is folded, and fastening means in connection with the edges of said wall elements for holding said wall elements together when said outer wall is folded.

1,983,848
SHORT WAVE OSCILLATION GENERATOR
Ernest Walter Brudenell Gill, Oxford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1931, Serial No. 566,441
In Great Britain October 8, 1930
9 Claims. (Cl. 250—36)



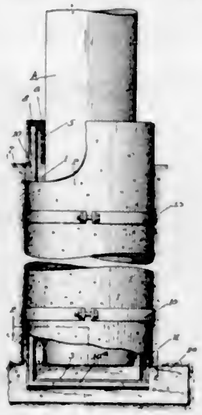
1. In a short wave electron discharge device oscillation generator having an anode and a control electrode, the combination with an oscillatory circuit connected to said anode and control electrodes, of a second circuit in parallel with said oscillatory circuit, said second circuit having a natural wave length larger than that of said oscillatory circuit, but less than twice that of said oscillatory circuit.

1,983,849
ENGINE STARTING SYSTEM
John Good, Garden City, N. Y., assignor to Automatic Motor Stop and Start, Inc., New York, N. Y., a corporation of New York
Application December 4, 1926, Serial No. 152,535
Renewed May 25, 1933
20 Claims. (Cl. 290—28)



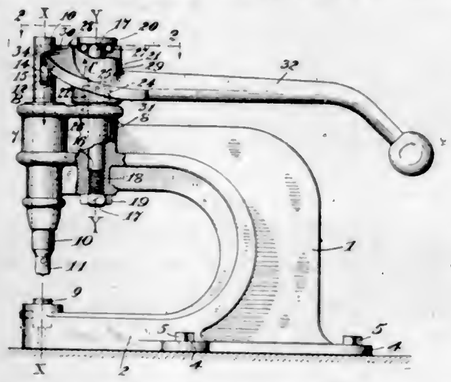
4. In an automobile, the combination of a propelling engine, a cranking device therefor, an ignition switch, a control member adapted to cause actuation of said device and also said switch, and manual means for operating said switch independently of the control member.

1,983,850
POST ANCHOR AND PROTECTOR
John H. Gordon, Riverside, Calif.
Application August 24, 1931, Serial No. 558,984
4 Claims. (Cl. 20—100)



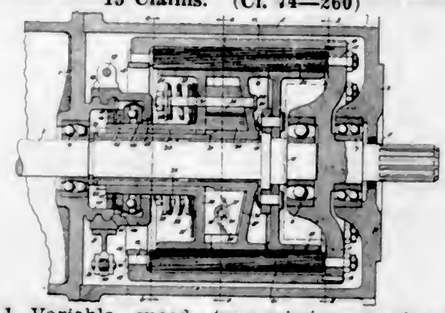
3. In combination, cooperating shells which are arcuate sections of a cylinder closed at their lower ends, said shells being of plastic material formed into the desired shape and allowed to dry and adapted to be then operatively assembled on the lower end of a pole or the like with the side edges of the cooperating shells in abutting relation and forming a closed annulus defining a cylindrical bore, and means for securing the shells in assembled relation.

1,983,851
MANUALLY OPERATED RIVET SETTER
Julius Gualtiere, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a corporation of New York
Application December 27, 1933, Serial No. 704,090
7 Claims. (Cl. 218—1)



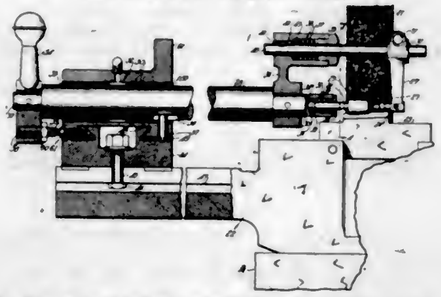
1. A manually operated rivet setter comprising a U-shaped frame, a pair of vertical bosses at the forward end of the upper arm of the frame, an anvil on the forward end of the other arm of said frame, a vertically extending pivot bolt mounted in one of said bosses, a slideable plunger in the other of said bosses and vertically movable over said anvil; a hand operated member rotatable in a horizontal plane on said pivot shaft, a cam on said member in operative connection with the plunger to force the plunger toward said anvil when said arm is swung in one direction.

1,983,852
VARIABLE SPEED TRANSMISSION MECHANISM
Leroy E. Hercher, St. Louis, Mo.
Application March 22, 1934, Serial No. 716,763
15 Claims. (Cl. 74—260)



1. Variable speed transmission mechanism comprising a driven rotary shaft, a transmission shaft in axial alinement therewith, a planetary series of spiral gear members supported by said first shaft, a spiral gear rigid with said second shaft and meshing with said gear members, a pair of spiral gears rotative about said second shaft and meshing with said gear members, means for preventing relative rotation of said pair of gears, and means for moving one of said pair of gears axially from the other to lock said pair of gears and said first gear and said gear members against relative rotation.

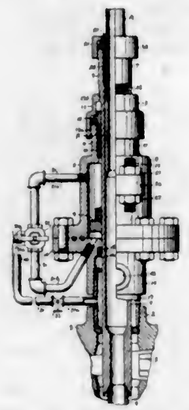
1,983,853
GRINDING MACHINE
Cecil W. Hopkins, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application January 10, 1930, Serial No. 419,961
14 Claims. (Cl. 51—103)



1. In a centerless grinder the combination of a pair of opposed grinding and regulating wheels forming a grinding throat therebetween, the wheels having active peripheral faces inclined one to the other to form a work piece of prescribed taper, a work rest blade within the grinding throat peripherally supporting the work in opposition to the thrust of the grinding wheel during grinding, centers terminally engaging and supporting the work, and means for inserting and withdrawing the centers and work from the grinding throat to place the work on and remove same from the blade.

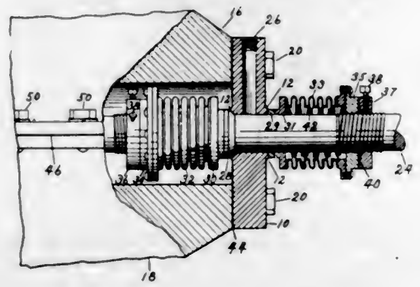
1,983,854
WELL PRODUCTION APPARATUS
James H. Howard and Joseph H. McEvoy, Jr., Houston, Tex., assignors to J. H. McEvoy & Company, Houston, Tex., a corporation of Texas
Application November 6, 1931, Serial No. 573,324
5 Claims. (Cl. 166—15)

1. In well apparatus: a casing; a casing valve mounted on said casing; a sectional tubing in said casing, the lower section of said tubing being anchored in said casing below the path of said valve, the upper section of said tubing extending upwardly from said lower section through said valve; a cylinder mounted on and above said valve; a piston connected to said upper section of said tubing and reciprocable in said cylinder; a pipe communicating with the upper and lower



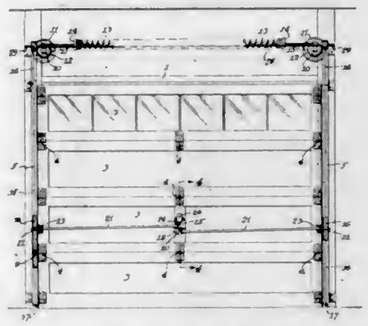
portions of said cylinder and with said casing and having an outlet; and a control valve to control the flow of fluid from said pipe into said cylinder below and above said piston and through said outlet, to cause movement of said upper section of said tubing out of the path of said casing valve and into contact with the lower section of said tubing, successively.

1,983,855
SHAFT SEAL
William F. Jenkins, Hammond, Ind.
Application October 30, 1933, Serial No. 695,862
5 Claims. (Cl. 286—11)



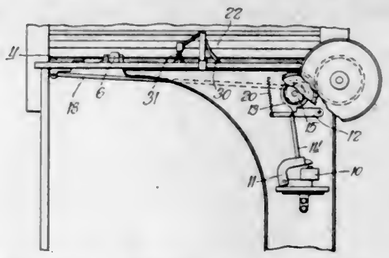
1. A shaft seal capable of being positioned on the outwardly extending portion of a shaft, comprising a relatively fixed reversible fitting having a concave working surface on each face thereof, metal diaphragms encircling the shaft and rotatable therewith, closures on each end of each diaphragm, a sealing ring freely rotatable and slidable on the shaft on each side of said fitting, one surface of each ring co-acting with a concave working surface of the fitting and the other surface co-acting with one of the closures to form a gas-tight seal, and means for maintaining an adjusted pressure on the rings and their bearing on the shaft, said means including a spring within each metal diaphragm.

1,983,856
SPRING COUNTERBALANCE FOR VERTICALLY SLIDABLE DOORS
Clarence G. Johnson, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind., a corporation of Indiana
Application October 6, 1931, Serial No. 567,243
2 Claims. (Cl. 20—20)



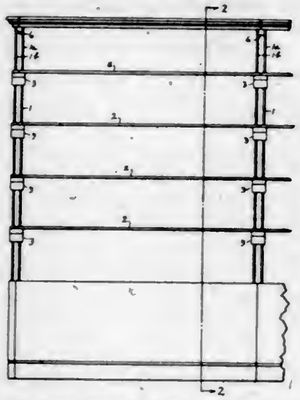
1. The combination with a door frame, of a vertically slidable door received in said frame, pulleys mounted on said frame above said door, a spring disposed between said pulleys, cables connecting opposite ends of said spring to the adjacent pulleys, cables connected to said pulleys and to said door at points adjacent to the lower edge thereof, and an elongated member passed through said spring and having its opposite ends anchored to said frame.

1,983,857
ELECTRIC MAGNETIC TRIPPING DEVICE
James Kagan, Chicago, Ill.
Application July 16, 1934, Serial No. 735,383
13 Claims. (Cl. 164—62)



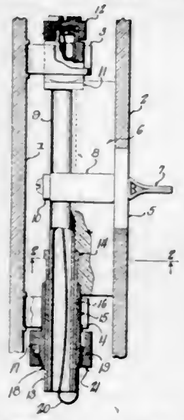
9. An electric magnetic tripping device of the character described comprising an electric switch fixed to the cross-feeder and adjustable on the same to act as a stop or gauge for the blank sheets, said switch being operated by said sheets striking a pivoting pawl on the switch, an electric magnetic coil energized when the switch is closed by the blank sheets, tripping means actuated by said coil, said tripping means releasing a clutch to couple a driving means to the cross-feeding mechanism which thereby moves the cross-feeder forwardly carrying the blank sheets to a second set of scoring knives, whereby at the limit of the forward movement of the cross-feeder the blank leaves the said cross-feeder, thereby releasing the pawl of said switch and opening the circuit as the cross-feeder moves backward to its normal position, the said tripping means again engaging the clutch to uncouple the cross-feeder mechanism until a second sheet strikes the pawl on said switch.

1,983,858
DISPLAY STAND
Orin E. Karnes, Caldwell, Tex.
Application April 11, 1933, Serial No. 665,484
5 Claims. (Cl. 248—19)



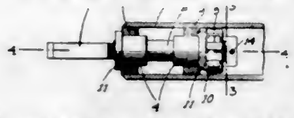
3. In a display stand, the combination with a post, and a pin extending transversely through said post, of a shelf bracket having a post section and a shelf section; said post section having hooked arms to engage said pin and to bear downwardly on said pin and an apron to bear against said post; said shelf section comprising a single piece of metal bent into a rectangular shape and having hooked arms to engage said pin and to bear upwardly against said pin and to bear downwardly against said apron.

1,983,859
FUSE STRUCTURE
William D. Kyle, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 24, 1929, Serial No. 402,041
3 Claims. (Cl. 200—127)



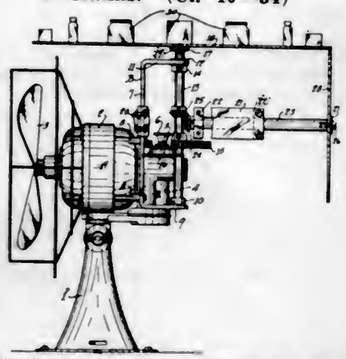
1. A fuse structure comprising a main fiber tube having open ends, an upper contact member secured to said tube and extending across the upper end of said tube and communicating with the interior of said tube, a phenol condensate sheath molded around the lower portion of said fiber tube and extending partway only along said fiber tube, a lower contact member surrounding said phenol condensate sheath, said lower contact member being out of communication with the interior of said tube, and a fuse element positioned within said fiber tube and normally connecting the upper and lower contact members.

1,983,860
DRAFT CONNECTION FOR IMPLEMENTS
Robert G. Le Tourneau, Stockton, Calif.
Original application November 29, 1932, Serial No. 644,783. Divided and this application September 1, 1933, Serial No. 687,812
1 Claim. (Cl. 280—33.44)



A draft connection comprising a hollow solid-faced beam forming a tongue, longitudinally spaced bearing blocks secured within the beam and forming a closed chamber therebetween, one such block being at the outer end of the beam, bushings removably mounted in the blocks, one bushing being removable from the outer block from the outer end thereof and the other bushing being removable from the inner block from the inner end thereof, a draft spindle turnably mounted in and extending beyond the bushings, a thrust nut on the inner end of the spindle engaging the adjacent bushing, said beam having an opening adjacent but beyond the inner block of sufficient size to receive the nut and adjacent bushing.

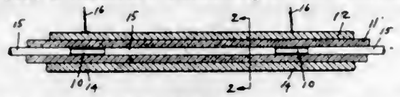
1,983,861
ROTARY DISPLAY APPARATUS
Julian Maas, St. Louis, Mo.
Application November 14, 1931, Serial No. 575,021
5 Claims. (Cl. 40—34)



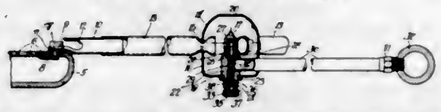
1. A display apparatus comprising, in combination, a rotatory article-carrying display member, a rotatory indicia-carrying display member co-actuable with the first display member, and means including a motor-driven mechanism of the oscillatory fan type for affording both support and motivation of said display members.

1,983,862
SOIL WARMING DEVICE AND METHOD OF MANUFACTURING SAME
Leslie G. Maness and Austin H. Osgood, Portland, Oreg.
Application July 12, 1932, Serial No. 622,034
3 Claims. (Cl. 219—19)

2. A soil warming element including an elongated heating element composed of a resistance wire having alternate sections thereof plated with a metal having less electrical resistance than does the metal in the resistance wire, an electrical insulation surrounding said wire, and a moisture excluding shield surrounding said insulation, said element providing a source of warm spots along its length at fixed distances from each other for the purpose of heating only those portions of a plant row occupied by plants.

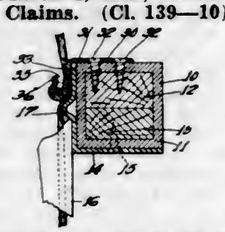


1,983,863
AUTOMATIC LIGHTER
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 17, 1934, Serial No. 726,078
12 Claims. (Cl. 158—115)



5. In combination, a pilot device comprising a tip part having innumerable relatively fine pores for producing with a relatively restricted supply of gas a constant external pilot flame supplied with gas over substantially the entire surface of said tip part whereby to raise with the restricted pilot supply of gas the temperature of the tip part above the vaporizing temperature of the gum particles in the gas and to maintain the flame against being extinguished by gusts of air.

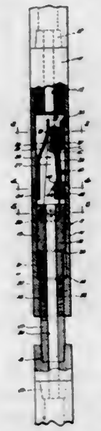
1,983,864
TUBE FRAME FOR AXMINSTER LOOMS
William E. McCleary, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 4, 1931, Serial No. 520,047
5 Claims. (Cl. 139—10)



1. In an Axminster tube frame having thereon a yarn spool and tuft yarn tubes spaced from the spool, a clamping element located between the spool and the yarn tubes, and extending transversely of the yarn tubes, and resilient means to hold said clamping element against the yarn to apply friction to a plurality of yarns as the same moves from the spool toward the tuft tube, said resilient means mounted directly on the tube frame independently of the yarn tubes.

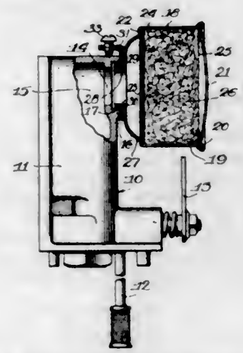
1,983,865
JAR
Ira J. McCullough, Huntington Park, Calif., assignor to James A. Kammerdiner, Los Angeles, Calif.
Application October 7, 1933, Serial No. 692,634
7 Claims. (Cl. 255—27)

1. A well tool of the character described including, two sections connected for limited relative longitudinal movement, and means for releasably holding the sections against relative movement, said means being operable to release the sections upon a predetermined strain being applied to the sections tending to cause relative longitudinal movement between them, said means including, two cooperating parts, one a latch pivotally mounted on one section, the other



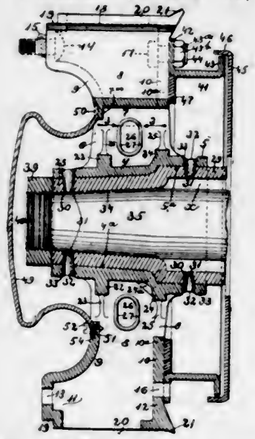
a block releasably holding the latch and pivotally mounted on the other section to pivot on an axis stationary relative to said other section under a strain tending to move the sections longitudinally relative to one another, a spring attached to the block, and means rigidly connecting the spring to the said other section to yieldingly resist shifting of the block.

1,983,866
AIR CLEANER
John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application November 30, 1931, Serial No. 577,877
2 Claims. (Cl. 285—161)



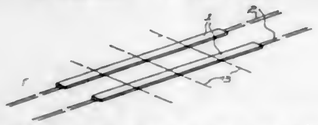
1. A coupling device for detachably coupling an air cleaner provided with a constricted neck to a carburetor, comprising a coupling member provided with a portion encompassing the neck and conformably seating within the air inlet of the carburetor, and a part offset from the encompassing portion and extending exterior of said inlet, and an attaching screw in said exterior part for detachably connecting the air cleaner to the body of the carburetor and permitting ready assembly and removal thereof.

1,983,867
VEHICLE WHEEL
Philip M. Miller and Richard B. Miller, Detroit, Mich.
Application November 23, 1931, Serial No. 576,794
1 Claim. (Cl. 287—53)



In a metal wheel for motor vehicles, the combination comprising a spider member of malleable metal formed with a central tubular portion, a hub proper of relatively hard wear-resisting metal inserted in said tubular portion, tapered studs of hardened metal having a pressed fit in openings formed in said tubular portion and hub for locking them in inseparable relation, the metal of the tubular portion being headed over the top of the studs to ensure against loosening of the latter.

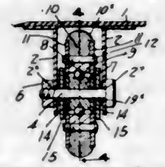
1,983,868
WATERPROOF SHIPPING PACKAGE
Patrick J. Morrisroe, Youngstown, Ohio
Application May 20, 1931, Serial No. 538,639
3 Claims. (Cl. 206—60)



1. A package enclosing a pack of sheets and comprising a waterproof paper wrapping surrounding the pack, corner protectors disposed at the corners of the pack within said wrapping, means adapted to seal the seams of said wrapping, a relatively rigid metallic outer cover comprising a pair of telescopic sections and completely enclosing said wrapping, and rigid stiffening means secured underneath the outer cover adapted to support the package.

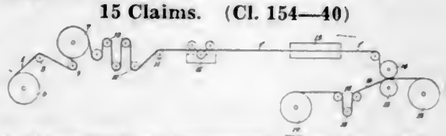
1,983,869
ROLLER SKATE
Robert Montrose Nichol, Medicine Hat, Alberta, Canada
Application June 24, 1933, Serial No. 677,381
1 Claim. (Cl. 208—181)

In a roller skate, the combination with the sole plate and a pair of opposing brackets depending therefrom, of an inner cylindrical race, a washer at each end of the race of slightly larger diameter than the race, an outer annular race and annular plates at each end of the race of slightly smaller internal diameter than that of the outer race, the outer race and plates being respectively in vertical alignment with the inner race and washers, an annular resilient tread clamped between the plates of the outer race, a bolt extending through the brackets,



washers and inner race, washers of larger diameter than the inner washers and also mounted on the bolt and overlapping the annular plates of the outer race, and balls between the inner and outer races.

1,983,870
LAMINATED MATERIAL AND METHOD OF PREPARING SAME
Ulrich Ostwald, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y.
Application February 26, 1931, Serial No. 518,422. Renewed June 12, 1934. In Germany March 4, 1930
15 Claims. (Cl. 154—40)



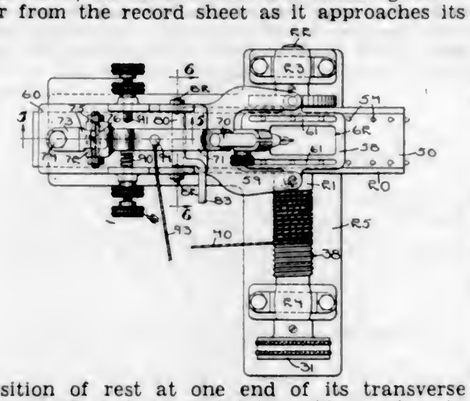
1. A method of laminating a sheet or film of regenerated cellulose to similar or other materials which comprises shrinking said sheet or film, applying a non-aqueous adhesive thereto, and laminating it to the desired material.

1,983,871
METHOD OF LAMINATING
Ulrich Ostwald, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 30, 1931, Serial No. 548,027. In Germany July 19, 1930
12 Claims. (Cl. 154—40)

1. A process of laminating decorated bases to preshrunk sheets or films of regenerated cellulose which comprises rendering the decorations on the base receptive and sensitive to an adhesive, applying an adhesive to at least one of the surfaces to be disposed in contiguous relationship, and subsequently securing the two materials together.

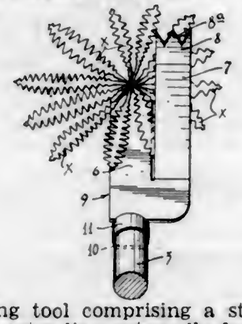
1,983,872
RECORDING DEVICE FOR LOOMS
Oscar V. Payne, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 30, 1930, Serial No. 492,257
6 Claims. (Cl. 234—1)

5. In a device for recording movement of a machine part, in combination, a record sheet, means to move said sheet in one direction in predetermined and definite relation to the movement of said machine part and under the control thereof, whereby a given movement of said record sheet corresponds to a definite associated movement of said machine part, a marking member, means to give said marking member intermittent movements in a direction transverse to said first movement but in the plane of said sheet, and means to lift said marking member from the record sheet as it approaches its



position of rest at one end of its transverse movement and to maintain said member in raised position between marking movements.

1,983,873
WEEDING TOOL
George Pirich, Minneapolis, Minn.
Application June 21, 1934, Serial No. 731,633
2 Claims. (Cl. 55—65)



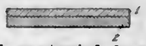
1. A weeding tool comprising a stem, a root cutting blade extending outwardly from one end of the stem, and an arm projecting from same end of the stem in diverging relation to one face of the cutting blade and having its free end portion offset in a direction away from the said face of the cutting blade to afford a weed-extracting rake head, said arm, outward of the stem, being laterally offset from the blade and stem to expose the adjacent face of the cutting blade.

1,983,874
BAR STRUCTURAL TRUSS
Walter M. Pratt, Detroit, Mich.
Application July 18, 1930, Serial No. 468,835
5 Claims. (Cl. 108—23)



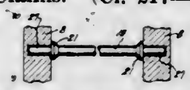
1. In a structural truss, metallic top and bottom chord members extending substantially from end to end of the truss, a plurality of metal bars rigidly connecting said metallic chord members and having end portions projecting beyond one thereof, a third chord member of softer material and of a shape offering greater resistance to lateral buckling than the last-mentioned metallic chord member, engaging that face thereof from which said metal bars project, and means clamping the wooden chord member firmly against its companion metallic chord member, whereby the projecting portions of said metal bars are sunk into the third chord member to unify the latter with the engaged metallic chord member in meeting stresses acting longitudinally or transversely thereof.

1,983,875
LAMINATED MATERIAL
Karl Edwin Prindle, Cleveland, Ohio, assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Application December 10, 1930, Serial No. 501,187
20 Claims. (Cl. 154—46)



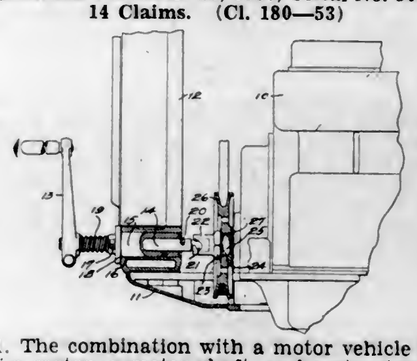
1. A laminated material having at least one lamina consisting of a moistureproof sheet or film of regenerated cellulose secured by a water-insoluble adhesive to the adjacent lamina, the laminæ being substantially coextensive.

1,983,876
SHIPPING CASE
James F. Quirk, Milwaukee, Wis.
Application April 26, 1932, Serial No. 607,556
3 Claims. (Cl. 217—19)



1. In combination, a pair of spaced-apart container walls having pockets therein, and a rod extending between said walls and having its end portions extending into a pair of opposite pockets but terminating a substantial distance short of the inner ends of said pockets, the end portions of said rod, inwardly of the extremities, being formed with shoulders contacting with inner surface portions of said walls.

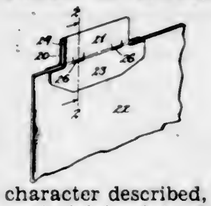
1,983,877
MOTOR VEHICLE
William H. Radford, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 22, 1930, Serial No. 504,024
14 Claims. (Cl. 180—53)



1. The combination with a motor vehicle having a motor, a motor shaft, and a structure including a radiator part and means for supporting the radiator in spaced relationship to said motor, said structure having a passage adjacent the bottom of said radiator into which a crank is adapted normally to be inserted for starting said motor, of a power take-off device comprising a

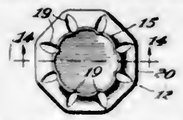
power take-off shaft passing through said passage, means for connecting the power take-off shaft adjacent one end thereof to said motor shaft, and means secured to said structure and in alignment with said passage for providing a journal for said power take-off shaft adjacent the opposite end thereof.

1,983,878
PYROXYLIN PLASTIC TAB
Charles F. Rand, North Tonawanda, N. Y.
Application December 23, 1931, Serial No. 582,787
1 Claim. (Cl. 40—16)



A tab of the character described, comprising a piece of sheet material bent to form two legs, the end portions of the two legs forming attaching portions adapted to be secured to the opposite sides of a card or the like, and the portion of said tab adjacent said bend being adapted to project outwardly from the edge of said card, the outwardly projecting portion of said tab being offset laterally relative to said attaching portions whereby one leg is provided with a ridge perpendicular to the attaching portion of said leg and extending the full length of said tab and adapted to cooperate with the edge of said card to insure the proper positioning of the attaching portions of said legs on opposite sides of said card and insuring the predetermined projection of the other part of said tab beyond the edge of said card, and the outwardly projecting portion of said tab being inclined relative to said attaching portions.

1,983,879
FASTENER CAP
Henry V. Rau, Amityville, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a corporation of New York
Application May 18, 1933, Serial No. 671,659
4 Claims. (Cl. 24—220)



1. A polygonal shaped cover cap for a fastener comprising a unitary sheet metal member having a back portion and an overturned continuous flange portion surrounding a fastener opening, said cap having a definite practical number of sides, valleys in said flanged portion and extending from said opening toward each angular corner formed by the meeting of the polygonal sides.

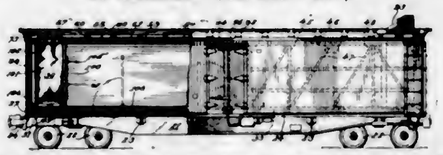
1,983,880
LEGGING
Frank B. Reiss, New York, N. Y.
Application May 12, 1934, Serial No. 725,364
2 Claims. (Cl. 2—80)

1. A bifurcated union garment, comprising a trousers portion extending from hip to foot and a sleeveless waist portion extending from neck to hip, the waist portion having separable shoulder straps, the trousers portion being continuously joined with the waist portion to form a complete covering for the torso and legs of the wearer, the outer side edges of the trousers portion and the waist portion being completely separable from each other from armhole to foot, whereby the



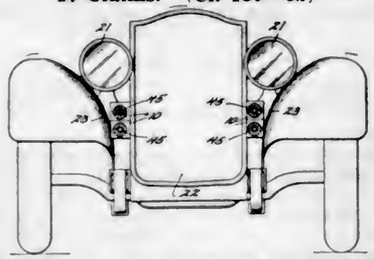
separable shoulder straps and the separable outer side edges of the trousers portion and the waist portion cooperate to permit ease of dressing and of removal and a slide fastener for separatively fastening the separable edges.

1,983,881
STEEL FRAME REFRIGERATOR CAR
Damian L. Reynolds, Hillsborough, Calif., assignor of one-fourth to Luther L. Yates, one-fourth to Loyd E. Cartmill, and one-fourth to James King, all of San Francisco, Calif.
Application April 25, 1930, Serial No. 447,244
19 Claims. (Cl. 105—407)



1. In a refrigerator car, means forming the walls thereof, including a rigid metal framework, and heat insulating material substantially entirely encasing said framework, and so arranged that substantially no part of the framework is in direct contact with conducting material on the exterior or interior of the car.

1,983,882
AUTOMATIC STOPPING MEANS FOR VEHICLES
Myer Rosenfeld, Baltimore, Md.
Application January 10, 1934, Serial No. 706,157
17 Claims. (Cl. 180—82)



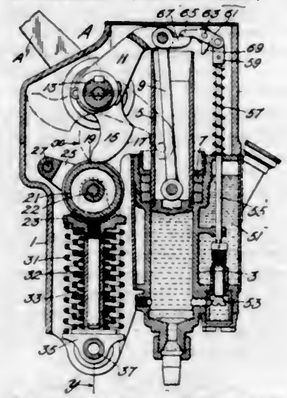
1. Apparatus for controlling vehicles including in combination, a light sensitive cell subject to light from in front of the vehicle, a lens for said cell focusing only light within a definite distance in front of the vehicle onto said cell, control mechanism for the vehicle and means associating the cell and control mechanism to maintain the mechanism inoperative as long as the field of the lens is unobstructed within said definite distance.

1,983,883
LOOSE LEAF BOOK AND METHOD OF MANUFACTURE
Frank S. Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application March 21, 1933, Serial No. 661,909
8 Claims. (Cl. 129—24)



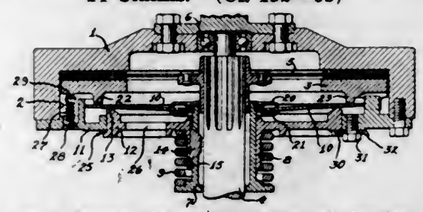
7. In a loose leaf book of the type in which the case is made of cardboard containing panels for covers and back and carrying the usual strips for hinging, lining, and decorative purposes, and all adapted for rapid manufacture in flat case form and subsequent curving of the book back, the combination of the cardboard back panel and comparatively thin and much stiffer sheet metal means fastened to the back panel and covering the area adjacent the ends thereof so as to form a stiff composite laminated unit for the book back, such unit being permanently built into the back panel of the case independently of the metallic loose leaf mechanism, said sheet metal means but not the cardboard element of the back panel having oversize rivet holes provided therein and loose leaf mechanism riveted to said back panel unit through said holes and cardboard element.

1,983,884
HYDRAULIC CONTROL GEAR
Henry Selby Hele-Shaw and Thomas Edward Beacham, Westminster, London, England
Application March 6, 1934, Serial No. 714,334
In Great Britain May 13, 1933
8 Claims. (Cl. 60—54.5)



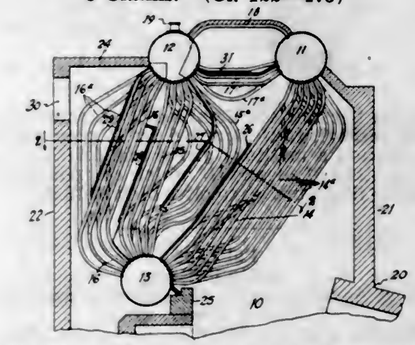
1. Hydraulic remote control apparatus consisting of controlling and controlled stations, a duct connecting said stations and containing a column of liquid, each of the controlling and controlled stations comprising a chamber communicating with said duct, a piston movable in said chamber, resilient loading means tending to move said piston in one direction and automatic compensating means operative between said loading means and said piston to maintain uniformed loading of said piston.

1,983,885
CLUTCH CONSTRUCTION
Charles B. Spase, Syracuse, N. Y., assignor to W. C. Lipe Inc., Syracuse, N. Y., a corporation of New York
Application July 29, 1931, Serial No. 553,745
14 Claims. (Cl. 192—68)



1. In a clutch, the combination of driving and driven elements, a pressure ring rotatable with and shiftable axially of one of said elements, the other of said elements including a friction plate extending between the pressure ring and the opposing surface of the element with which the ring is associated, an axially shiftable throw-out sleeve, motion transmitting and multiplying levers between the throw-out sleeve and the pressure ring, a back plate secured to the element with which the pressure ring is associated, a fulcrum ring mounted in the back plate for coacting with said levers, and a clutch spring interposed between the throw-out collar and the fulcrum ring.

1,983,886
WATER TUBE BOILER
George Summers, Harrow Weald, Harrow, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application March 23, 1932, Serial No. 600,630
In Great Britain March 27, 1931
5 Claims. (Cl. 122—478)

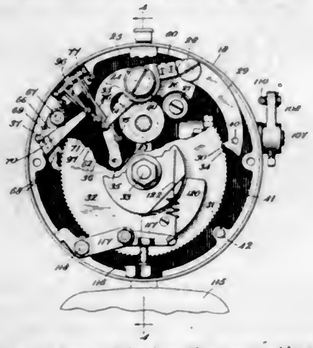


1. A water tube boiler comprising a combustion chamber, an upper steam and water drum connected to a lower mud drum by a bank of tubes arranged in rows extending transversely of said combustion chamber, corresponding tubes in a plurality of said rows having portions projecting forwardly beyond said bank and arranged to absorb radiant heat from said combustion chamber, and a tube arranged to close the lane in said bank left by said projecting tube portions.

1,983,887
RECORDING MECHANISM FOR TRUCK MIXERS AND THE LIKE
George K. Viall, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 12, 1932, Serial No. 598,481
17 Claims. (Cl. 234—36)

1. In mechanism for recording mechanical operations, a movable serrated element; means

for moving said element simultaneously with and in direct relation to the performance of the operation to be recorded; and a member engage-



able with and operable by the serrations of said element, provided with means for producing on a chart a record of the movements of said serrated element.

1,983,888

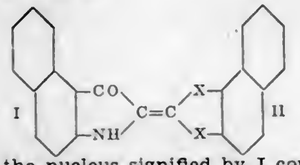
NEW INDIGOID VAT DYESTUFFS

Werner Zerweck and Wilhelm Hechtenberg, Frankfort - on - the - Main - Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 22, 1931, Serial No. 552,555. In Germany August 1, 1930

3 Claims. (Cl. 260—49)

1. The indigoid vat dyestuffs corresponding to the general formula:



(wherein the nucleus signified by I contains an alkoxy radical, that signified by II may contain in 6-position a methoxy group and one X means CO the other X means S) which compounds dye vegetable fibers brown to olive brown shades.

1,983,889

STRETCHER

Harry T. Anderson, New Philadelphia, and Edgar C. Davis, Dover, Ohio

Application October 24, 1933, Serial No. 695,012

7 Claims. (Cl. 5—82)



1. A stretcher comprising a rectangular frame, supporting panels elongated longitudinally of the frame and separable one from the other at the centre of the frame, members connected to the ends of the panels, means connected to the ends of the frame for slidingly supporting the members near the ends of the frame, and means connected to the panels and anchored to the frame for holding the panels in operative positions.

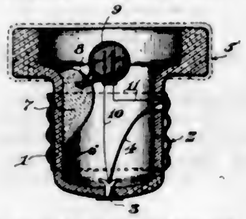
1,983,890

SIGNAL FUSE PLUG

Dale H. Atwater, Santa Fe, N. Mex., assignor of one-half to Gordon Walter Lambert, Santa Fe, N. Mex.

Application February 16, 1933, Serial No. 657,097

2 Claims. (Cl. 200—121)



1. As a new article of manufacture, a fuse plug of the conventional type having a conventional fusible element, a neon lamp having a projection engaging one wall of said fuse plug for supporting the neon lamp within the interior of the fuse plug, said lamp being in electrical circuit and shunted across said fusible element and being of greater resistance than the fusible element to permit the burning of the lamp when the fusible element is broken and prevent the burning of the lamp when the fusible element is active.

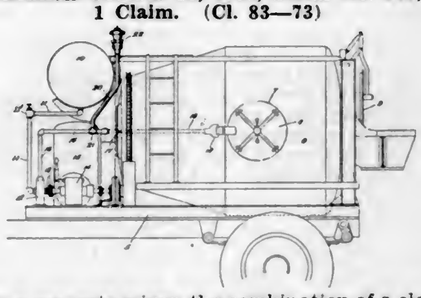
1,983,891

PRESSURE RELIEF APPARATUS FOR CONCRETE MIXERS

Charles F. Ball, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application October 16, 1931, Serial No. 569,322

1 Claim. (Cl. 83—73)



In a concrete mixer, the combination of a closed mixing receptacle; a pressure water supply system including a conduit communicating with the interior of said receptacle, and a control valve for said conduit exterior of said receptacle; a gas vent pipe communicating with the atmosphere and with said water conduit intermediate said control valve and receptacle; and a valve controlling said vent pipe, arranged to permit the escape of gas and prevent the escape of water therethrough, whereby the gaseous pressure within the receptacle is maintained equalized with that of the external atmosphere.

1,983,892

EGG GRADING AND PACKING APPARATUS

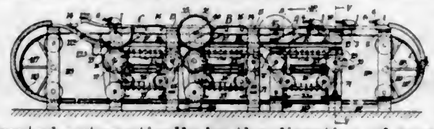
Charles Nathaniel Barton, Wimbledon, London, England

Application October 23, 1933, Serial No. 694,848

In Great Britain October 3, 1932

14 Claims. (Cl. 226—14)

1. An egg grading and packing machine comprising means for feeding a plurality of eggs along a track, means located along said track and operable by eggs of selected weights for diverting said eggs in accordance with the grades into which it is desired to divide them, a compartmented container for receiving said diverted eggs, means for discharging said eggs into said container, means



actuated automatically by the diverting of an egg for feeding an empty compartment of said compartmented container into proper position for receiving the diverted egg and means for releasing said graded eggs from the container when a desired number of eggs has been collected.

1,983,893

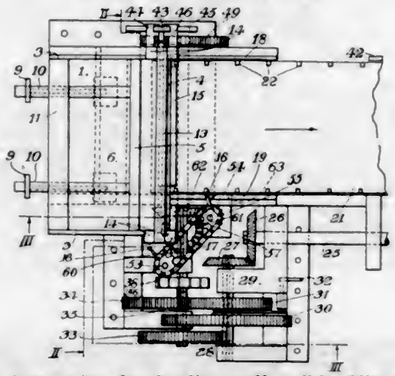
EGG PACKING APPARATUS

Charles Nathaniel Barton, Wimbledon, London, England

Application October 23, 1933, Serial No. 694,849

In Great Britain October 3, 1932

7 Claims. (Cl. 226—14)



1. Apparatus for feeding collapsible fillers into positions for receiving eggs, comprising a magazine for receiving collapsed fillers, means for ejecting said fillers singly on to a platform, a conveyor band for conveying said fillers from said platform into positions for receiving the desired eggs and means for expanding said collapsed fillers and transferring them from said platform on to said conveyor, said means comprising an endless band having projections moving in the plane of the platform and so disposed that during their movement they engage the forward edge of the filler concerned and move it in a direction causing the filler to expand and to rest upon the conveyor.

1,983,894

SYNTHESIS OF CAMPHOR

Ernst K. H. Berger, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1930, Serial No. 498,204

12 Claims. (Cl. 260—133)

1. The process of producing camphor which comprises heating borneol to a temperature between 125° and 200° C. in the presence of a solvent adapted to condense at a temperature below the subliming point of borneol and less than about 10%, based on the weight of borneol, of a calcium hydroxide-copper hydroxide complex adapted under the conditions of the reaction to form a dehydrogenating catalyst, water and alkali.

1,983,895

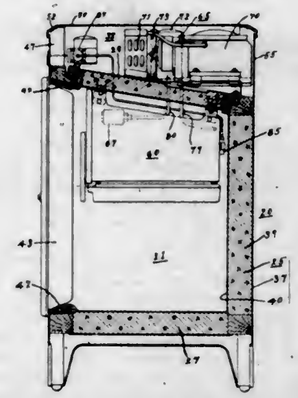
REFRIGERATING APPARATUS

Edward C. Berkdoll, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware

Application October 31, 1930, Serial No. 492,500

Renewed March 22, 1933

15 Claims. (Cl. 62—116)



1. A refrigerator comprising a cabinet having an insulated refrigerated compartment, a machine compartment located above said refrigerated compartment, an insulated partition dividing said two compartments, said partition being continuously inclined downwardly from the front to the back of the cabinet and forming the entire top wall of said refrigerated compartment.

1,983,896

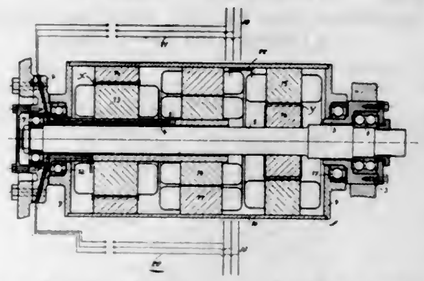
HIGH SPEED DOUBLE-ROTOR MOTOR

Paul Böttcher, Altona-Bahrenfeld, near Hamburg, Germany

Application October 8, 1931, Serial No. 567,688

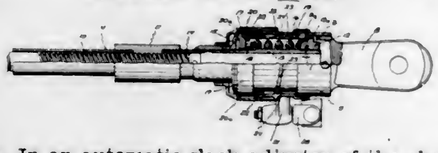
In Germany October 25, 1930

1 Claim. (Cl. 172—280)



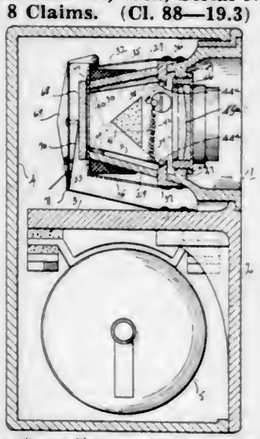
In a double rotor dynamo electrical machine the combination of a first motor unit, a frequency transformer and a second motor unit, each of said motor units and said transformer including a primary member and a secondary member, the primary members of said first motor unit and of said transformer being mounted stationary, means for supplying polyphase currents to said stationary primary members connected in parallel, an intermediate rotor including the secondary members of said first motor unit and of said transformer and the primary member of said second motor unit, means for supplying the currents induced in the secondary member of said transformer to the primary member of said second motor unit, the secondary member of which is mounted on the shaft to be driven.

1,983,897
AUTOMATIC SLACK ADJUSTER FOR BRAKES
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application January 3, 1933, Serial No. 650,021
8 Claims. (Cl. 188—202)



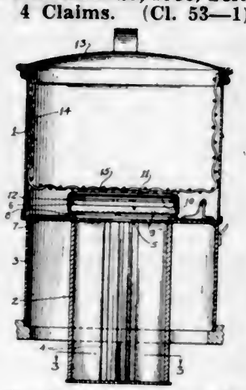
1. In an automatic slack adjuster of the character described for brakes on railway vehicles and the like, a rod mounted in the brake rigging and including two parts having a non-self-locking threaded connection between them, one of said parts being rotatable in both directions, in relation to the other for increasing and reducing, respectively, the slack and adapted to be rotated in the direction for increasing the slack through the tension arising in the brake rigging when braking, means for limiting rotation of said rotatable part of said rod in the direction for increasing the slack at a certain point in the braking movement, said means including a rotatable member on said rod and an actuating device operatively connected to the brake structure and adapted to rotate said rotatable member in the direction of rotation of said rotatable part of said rod for increasing the slack at the application stroke of the brake piston and in the reverse direction at the return stroke of the brake piston, and means for clutching said rotatable part of said rod to said rotatable member at the rotation of said rotatable member in the reverse direction, that is in the direction, for reducing the slack.

1,983,898
IDENTIFICATION CAMERA
Harry H. Cole, Eagle River, Wis., assignor of three-fourths to August H. Meyer, Oshkosh, Wis.
Application June 20, 1932, Serial No. 618,216
8 Claims. (Cl. 88—19.3)



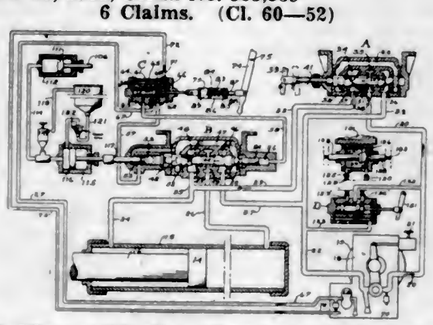
1. In an automatic camera, in combination, a shutter, comprising hinged shutter blades, a magnetic yoke disposed about said blades, a helix within the yoke for setting up a magnetic field about said yoke, the yoke and shutter blades forming a substantially closed magnetic circuit when the shutter blades are in open position, a circuit in said camera controlling the energization of the helix, and automatically operated means disposed within the circuit to alternately open and close the same to produce a succession of photographic exposures.

1,983,899
STEAM COOKER AND LIKE APPARATUS
George C. Creasy, Gretna, Va.
Application December 28, 1933, Serial No. 704,316
4 Claims. (Cl. 53—1)



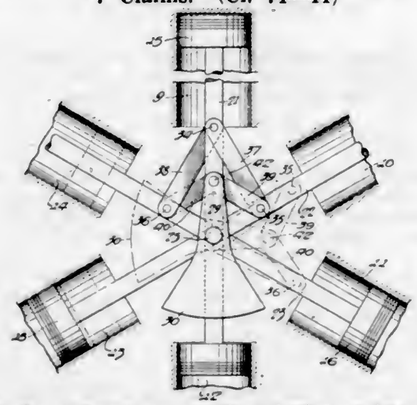
1. Water heater or culinary device comprising a vessel, a steam generator unitary with the lower part of said vessel having longitudinally corrugated sides adapted to be exposed in heat exchanging relation to a source of heat, the upper part of said generator communicating with the space within said vessel through an opening smaller than the cross sectional area of said generator, whereby steam will be projected upward into said vessel with appreciable force.

1,983,900
HYDRAULIC DRIVE FOR MACHINE TOOLS
Walter Ferris, Milwaukee, Wis., and John P. Ferris, Fountain City, Tenn., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Original application April 15, 1927, Serial No. 183,960. Divided and this application December 30, 1931, Serial No. 583,889
6 Claims. (Cl. 60—52)



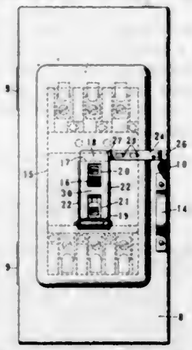
2. The combination of a reciprocating member, hydraulic means for driving the same, a reversing valve for said hydraulic means, hydraulic means for operating said valve, a pilot valve for controlling said reversing valve, means normally responsive to movement of said member for operating said pilot valve to thereby normally effect continuous reciprocation of said member within a predertermined range, means for adjusting said last named means to permit movement of said member beyond said range, means responsive to movement of said member to a predetermined point beyond said range for arresting movement thereof, and means responsive to movement of said member to said predetermined point for operating said pilot valve.

1,983,901
POWER TRANSMISSION DEVICE
William L. Frampton, Lincoln, Nebr.
Application January 31, 1933, Serial No. 654,499
7 Claims. (Cl. 74—44)



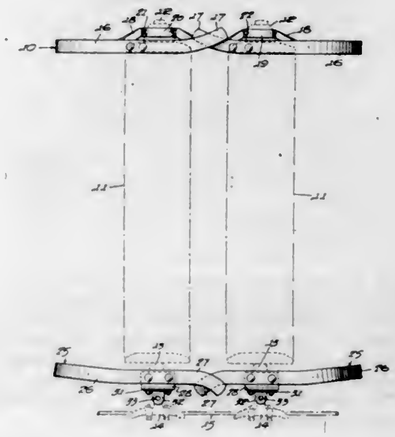
1. In a power converting device, a two part main shaft, a plurality of pairs of opposed cylinders along said shaft at different angles, pistons in said cylinders, a connecting rod connecting each pair of opposed pistons, linkage connecting said connecting rods, said linkage consisting of a contra shaft mounted to turn as a whole about the axis of said main shaft and simultaneously about its own axis.

1,983,902
SAFETY SWITCH
Charles E. Hanny, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application June 19, 1934, Serial No. 731,238
10 Claims. (Cl. 200—44)



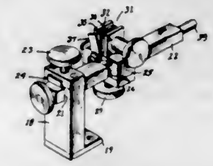
2. A safety switch including a box having a cover hinged at one edge and a catch at another edge, switch mechanism in the box having an operating handle projecting through the cover when the cover is closed, a locking plate hinged to the cover and coacting with the operating handle to prevent its movement, and a latch bolt carried by the cover and coacting with both the cover catch and the locking plate so that when the cover is closed and the plate is locked the switch cannot be actuated and the catch cannot be released.

1,983,903
PROTECTIVE APPARATUS FOR DOUBLE STRING INSTALLATIONS
Kent A. Hawley, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application May 13, 1931, Serial No. 537,174
11 Claims. (Cl. 173—318)



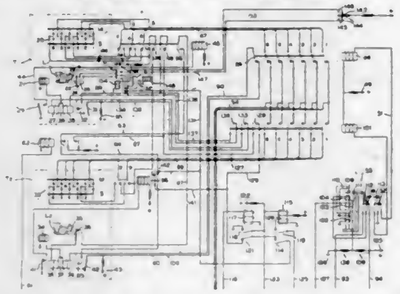
1. In combination with a pair of insulator strings for suspending a conductor from a grounded support, protective means comprising separate electrodes mounted at the upper ends of the respective strings in electrical connection with the ground and cooperating with each other to define in effect a single continuous electrode extending outwardly about both strings, and separate coacting electrodes at the lower ends of the respective strings in electrical connection with the conductor and providing with the first named electrodes a path for a flash-over.

1,983,904
TYPE ALIGNING APPARATUS
Ernest W. Hewitt, Stamford, Conn., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 14, 1929, Serial No. 414,187
5 Claims. (Cl. 33—183)



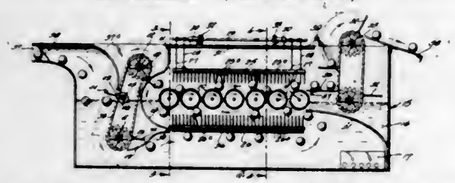
1. A type aligning device for a type bar printing machine in which type bars strike downwardly into a substantially horizontal plane, said device comprising a bracket attachable to said machine in a definite position relative to the striking position of said type bars, said bracket having a guideway therein, a bar extending through said guideway and adjustable lengthwise of itself therein, a frame mounted on said bar and adjustable transversely thereof and a type slug supporting vise carried by said frame.

1,983,905
DIVIDED CHANNEL SYSTEM
Ray Hoover and Frederick C. Collings, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 7, 1932, Serial No. 646,184
16 Claims. (Cl. 178—52)



1. In a telegraph system, a plurality of automatic transmitters, permutation means for normally transmitting from one of said transmitters over a line and automatic means independent of said permutation means, associated with said latter transmitter for interrupting transmission therefrom and causing transmission to continue from another transmitter.

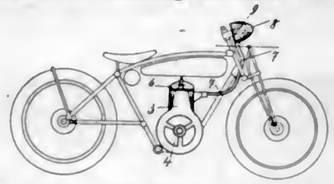
1,983,906
FRUIT WASHING MACHINE
Lloyd Everett Jones, Santa Monica, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 18, 1928, Serial No. 300,525
25 Claims. (Cl. 146—202)



1. A fruit washing machine comprising a receptacle adapted to contain a washing liquid, movable scrubbing elements having portions thereof submerged in the washing liquid and other portions above the liquid, means for actuating the scrubbing elements, means for delivering fruit beneath the scrubbing elements to have scrubbing contact successively with the submerged portions of the elements, and means for elevating the fruit and delivering it to the scrubbing elements to have scrubbing contact successively with the portions of the elements above the liquid.

1,983,907
LIMB HEATER
Martin Lindner, Glauchau, Germany,
Application April 7, 1933, Serial No. 664,930
In Germany March 7, 1932
1 Claim. (Cl. 237—12.3)

An arrangement on motor cycles with air-cooled engines for utilizing and conducting the heated air over the hands and feet of the driver, comprising in combination with the engine cylinder, a hood on said cylinder adapted to catch the heated cooling air from said cylinder, a pipe conduit leading from said hood to the limbs of the driver to be warmed and adapted to deliver the heated air caught by said hood directly in front of the limbs to be warmed, and cups on said conduit surrounding the limbs to be warmed

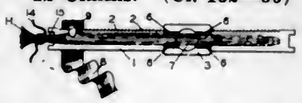


and adapted to guide the heated air delivered by said conduit around the limbs so that the air directly flushes over the surface thereof.

1,983,908
METHOD OF DENICOTINIZING TOBACCO
Ludwig Max Lippmann, Berlin, Germany
No Drawing. Application August 7, 1934, Serial No. 738,864. In Germany April 1, 1931
5 Claims. (Cl. 131—6)

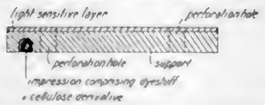
1. A method of denicotinizing tobacco comprising the steps of: fermenting tobacco containing the usual bacteria and submerged in liquid, forcing air in fine subdivision through the liquid, continuously adding acid to the extent necessary to neutralize the amino bases resulting from the fermentation, evaporating the liquid, and drying the tobacco.

1,983,909
HAIR TREATING APPARATUS AND ALSO PROCESS OF PERMANENTLY STRAIGHTENING HAIR ON A HUMAN HEAD
Jay K. Livingston, Tulsa, Okla., assignor of one-fourth to James R. Cole, Tulsa, Okla., and one-fourth to Patent Securities Company
Application June 2, 1932, Serial No. 614,936
Renewed March 5, 1934
12 Claims. (Cl. 132—36)



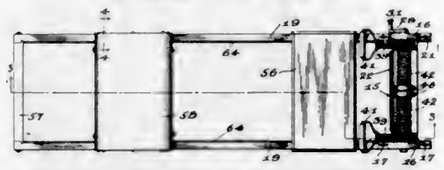
8. The combination of a holding bar for holding hair of the human head thereon, an aligning block slidably mounted thereon, means of holding a strand of hair on said block in longitudinal alignment with said bar while sliding said block on said bar.

1,983,910
INSCRIPTION BEARING FILM AND INK FOR MAKING SAME
Hermann Lummerzheim, Dessau-Ziebigk, and Eduard Schnitzler, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application July 19, 1928, Serial No. 294,053
In Germany August 12, 1927
8 Claims. (Cl. 95—1.1)



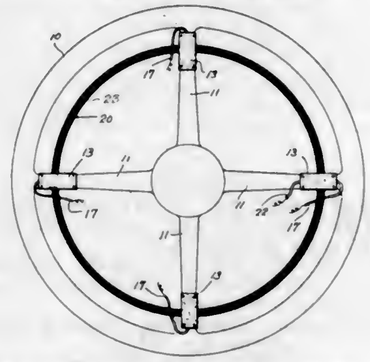
1. Photographic raw film comprising a support and on the front side of said support a photographic emulsion, the rear side of said support bearing photographically printable inscriptions consisting of a dye in combination with a colloid both having deeply penetrated the inner strata of the support, said dye in combination with said colloid being fast to the action of the liquids which are used in the subsequent treatment of the film.

1,983,911
EXERCISING APPARATUS
Valentine C. Luppert, Williamsport, Pa.
Application December 10, 1931, Serial No. 580,138
14 Claims. (Cl. 272—83)



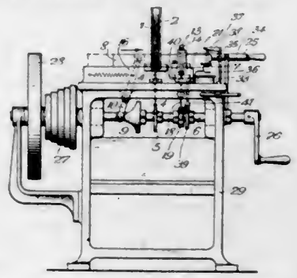
1. An exercising device including a rotatable shaft, coil springs surrounding the shaft, one of said springs being wound from right to left and the other being wound from left to right, pulley means rotatably mounted on the shaft, said springs being operatively connected to said shaft and to the pulley means for causing winding of the springs when the pulley means is turned in one direction, tape means wound about the pulley means and adapted to be pulled by the operator for rotating the pulley means in said direction, and means for circumferentially adjusting the shaft for simultaneously and equally tensioning said springs.

1,983,912
HORN CONTROL DEVICE
Homer Blair Luyster, Black Diamond, Wash.
Application October 30, 1933, Serial No. 695,906
1 Claim. (Cl. 200—59)



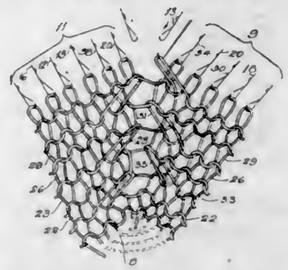
In combination with a steering wheel, a plurality of radially extending blocks of insulating material supported by the wheel and spaced inwardly of the rim thereof, each block having an elongated chamber therein, and each block having elongated openings in its sides communicating with the chamber, a metal ring of less diameter than the rim of the wheel and having portions passing through the openings of the blocks, whereby the ring is slidably supported by the blocks for movement in its own plane, a spring in the inner part of each chamber contacting the ring, said springs holding the ring concentric to the rim of the wheel, and a spring contact in the outer end of each chamber, said ring being adapted to be moved manually into engagement with a spring contact to close a circuit.

1,983,913
METHOD OF AND MACHINE FOR CASTING TYPE PATRICES
Paul Marti, Winterthur, Switzerland, assignor to the firm Schweiz. Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland
Application December 14, 1933, Serial No. 702,397
In Switzerland December 24, 1932
3 Claims. (Cl. 199—47)



1. Process for producing individual setting machine patrices comprising moving a carrier plate provided with restoring cams to a casting position and into a mold, casting a patrice on the carrier plate, removing the patrice from the mold, and carrying the patrice to a collection point.

1,983,914
LEG STUMP SOCK
John A. McCann, Burlington, N. J.
Application April 7, 1932, Serial No. 603,783
2 Claims. (Cl. 66—70)

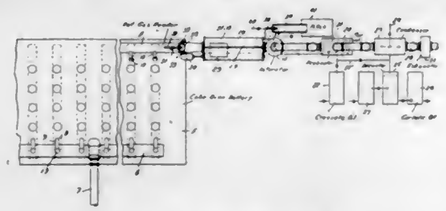


1. The method of widening during the production of fabric upon a knitting machine having parallel banks of needles, consisting in lifting the last loop cast off from one needle, second in line from the end of one bank of active needles, carrying said loop across a loop upon the next adjacent needle at the end of that bank of needles, and casting it on to the next adjacent and theretofore idle needle in the same bank, as a new stitch.

1,983,915
DISTILLATION OF TAR
Gregory Edward McCloskey, South Orange, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application August 6, 1930, Serial No. 473,329
5 Claims. (Cl. 202—30)

1. The method of distilling tar which comprises collecting fresh hot coal distillation gases from the ovens or retorts of a coal distillation plant, burning a portion of these gases while they are still at a high temperature after their production, and still contain tar constituents in vapor form, blending the resultant hot combus-

tion gases with another portion of the coal distillation gases which are still hot after their formation so as to produce blended gases of higher temperature than said coal distillation gases, bringing the blended gases into contact



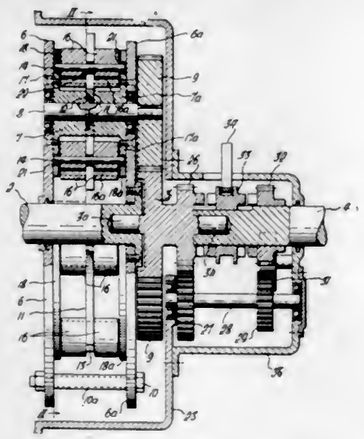
with tar so as to distill off oils therefrom and then cooling the resultant gas and vapor mixture to form a distillate containing both constituents originally present in the tar distilled and constituents originally contained in the hot coal distillation gases.

1,983,916

VARIABLE SPEED POWER TRANSMISSION MECHANISM

Henry McGill, Canterbury, Melbourne, Victoria, Australia

Application October 10, 1933, Serial No. 693,032
In Australia May 27, 1933
11 Claims. (Cl. 74—260)



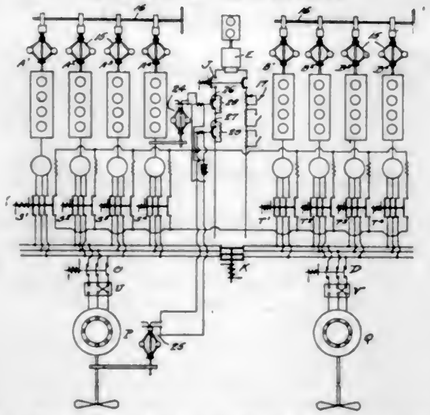
1. Variable speed power transmission mechanism, comprising a rotary driving member, a driven member in the form of a sun pinion, one or more planet pinions revolvable with the driving member and meshing with the sun pinion so that the load or torque resistance of the latter tends to rotate each planet pinion in a forward direction as would cause it to roll around the sun pinion, and a plurality of masses revolving with the driving member and adapted to move along a path which is eccentric to the respective planet pinions, the eccentricity of this weight path extending substantially tangentially to the orbit of the planet pinions and in the direction of rotation of the driving member, said masses being connected to the planet pinions so that the resulting centrifugal force continuously opposes forward rotation or rolling of the planet pinions around the sun pinion.

1,983,917

METHOD OF CONTROLLING ELECTRIC DRIVES FOR SHIPS

Georg Mitzlaff and Robert Bruderlink, Mannheim, Germany, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company

Application March 7, 1932, Serial No. 597,374
In Germany March 7, 1931
15 Claims. (Cl. 172—8)



1. The method of controlling a ship-propulsion system of the type including a propeller motor and a plurality of power units for energizing said motor, each unit including a prime mover and a generator driven thereby, characterized in that, during any principal switching operation, the excitation is interrupted of all of those generators the operation of which is affected by the switching operation.

11. A ship-propulsion system comprising a propeller motor, a plurality of power units for energizing said motor, each unit including a prime mover and a generator driven thereby, means for selectively connecting one or more of said generators to said motor, and means active upon the initiation of any principal switching operation for de-energizing the excitation of the generators affected by the switching operation.

1,983,918

MANUFACTURE OF WATER-REPELLENT PAPERS OR PAPER ARTICLES SIZED WITH WAX DISPERSIONS

Oscar F. Neitzke, Belmont, Mass., assignor to Bennett, Incorporated, Cambridge, Mass., a Corporation of Massachusetts

No Drawing. Application August 6, 1932, Serial No. 627,811
5 Claims. (Cl. 92—68)

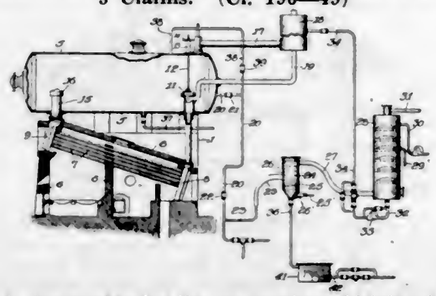
1. In the production of papers of high water-repellency containing but a small percentage of sizing material, including wax, those steps which comprise incorporating into paper-making stock an amount of water-dispersed, solid wax and a stabilizer for said dispersed wax to constitute such wax and stabilizer but a small percentage of said stock, running the resulting stock off on a paper-making machine equipped with a dry end and running at a speed such that the resulting paper is delivered in dry condition from the dry end at much lower than its maximum water-repellency, and subjecting the paper in the condition that it leaves the dry end for at least a few minutes to a temperature distinctly above the melting point of the wax but below the scorching temperature of the paper, thereby causing the wax content to become thoroughly fluxed and coalesced on the fibers and enhancing markedly the water-repellency of the paper.

1,983,919

DISTILLATION OF HYDROCARBON OIL

Max G. Paulus, Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind., a corporation of Indiana

Application October 11, 1930, Serial No. 488,120
5 Claims. (Cl. 196—49)



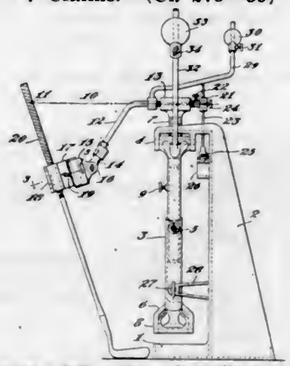
1. Apparatus for the conversion of higher boiling hydrocarbon oils into lower boiling ones that comprises a chamber in which the oil is adapted to be maintained at cracking temperature under superatmospheric pressure, means for withdrawing vapors from said chamber, a flash chamber formed with a conical bottom and adapted to be maintained under pressure materially lower than that in said first named chamber, means for withdrawing residue from said first named chamber and passing it directly to said flash chamber, means for withdrawing vapors from an upper part of the flash chamber, an outlet line extending from the conical section of the flash chamber and adapted for the withdrawal of residue therefrom, a propeller element mounted within said conical section and adapted to produce movement in the residue substantially transverse to the path of the residue flowing to said outlet line to thereby prevent substantial deposition and accumulation of coke in the conical section in the path of the outflowing residue.

1,983,920

GOLF SWING DEVICE

Donald W. Perin, Greenfield, Mass., assignor to Robert W. Higgins, Greenfield, Mass.

Application January 6, 1932, Serial No. 585,011
7 Claims. (Cl. 273—35)



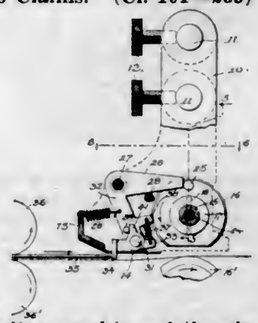
1. A device of the class described comprising a support, a member mounted for movement in a predetermined path relative to said support, clamping means pivotally connected to said member, said clamping means being constructed and arranged to hold the shaft of a golf club in a manner to swing about a transverse axis adjacent to its handle portion, and means associated with said clamping means and member movable in a predetermined path for effecting coordination between their respective movements whereby to constrain the travel of the head of said club to a predetermined path.

1,983,921

CANCELING MACHINE

Ernst Persson, Brooklyn, N. Y., assignor to International Postal Supply Company, Brooklyn, N. Y., a corporation of New York

Application April 21, 1933, Serial No. 667,272
3 Claims. (Cl. 101—235)



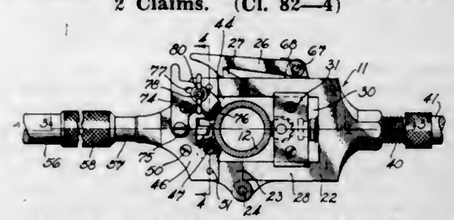
1. A canceling machine of the class described wherein a constantly rotating shaft is impositively connected to a printing member; an abutment on said member; a bell crank lever fulcrumed on the machine, one arm of said bell crank normally serving as a stop for said abutment; a feeler lever fulcrumed on the other arm of said bell crank, said feeler lever having a finger portion normally disposed forwardly of its fulcrum and the printing member in the path of matter passing to said printing member and arranged to rock said bell crank out of engagement with said abutment when said finger portion is moved by said matter; and means for returning said bell crank to its normal position after the forward edge of said matter has passed said finger portion.

1,983,922

PIPE GROOVING TOOL

Frederick H. Ruppel, Pasadena, Calif.

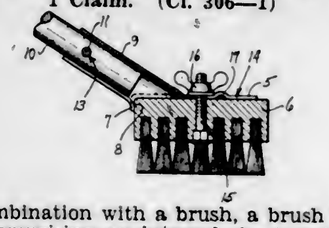
Application November 22, 1932, Serial No. 643,819
2 Claims. (Cl. 82—4)



1. A device of the character described for grooving the exterior of a cylindrical member, including: a body comprising cooperating parts adapted to be placed around the cylindrical member; means for securing said parts together around said cylindrical member; handle means extending from said body for rotating same upon said cylindrical member; roller means carried by said body, there being ridge means formed on

said roller means for engaging said cylindrical member to form a circular track therein to limit the axial movement of said body on said cylindrical member; means for causing said roller means to engage said cylindrical member; a grooving cutter carried by said body; and means for feeding said cutter into engagement with said cylindical member so that said cutter will form grooves therein in consequence of the rotation of said body.

1,983,923
BRUSH HOLDING CLAMP
Harry L. Stevens and Anton Weber, Spokane, Wash., assignors to Neo Brush Holder Corporation, Spokane, Wash.
Application January 9, 1933, Serial No. 650,874
1 Claim. (Cl. 306—1)



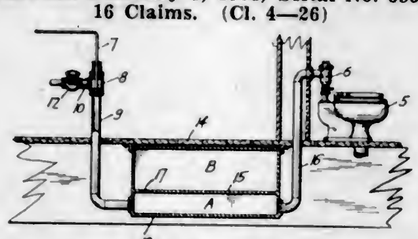
In combination with a brush, a brush holding clamp comprising an integral sheet metal body member consisting of a flat horizontal fin portion having a longitudinal central open end slot therein, an upstanding boss formed in the metal on each side edge of the slot, a flange depending from the rear edge of the fin portion and arranged to embrace the upper rear edge portion of a brush, a rearwardly and upwardly slanting tubular handle receiving socket member extending from the central slot and from the rear edge of the fin portion and depending flange, a bolt arranged to pass centrally through a brush that is installed against the bottom of the fin portion with its side edge engaging the depending flange, said bolt passing upwardly through the rear end of the central slot between the tubular handle socket member and the two bosses on the edge of the slot, and a nut installed on the upper end of the bolt with its edges engaging said bosses whereby the depending flange is drawn tightly against the brush that is installed therein.

1,983,924
ROAD RAIL
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application August 8, 1932, Serial No. 627,863
1 Claim. (Cl. 25—118)



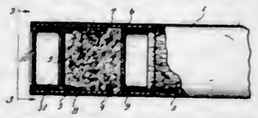
Road rail equipment including a rail having a base flange adapted to be bedded at a side of a roadway to provide the principal vertical support for the rail, said rail further having a head part adapted to support road construction machinery, and means for securing the rail in its bedded position as against transverse displacement including a stake, a pair of plates secured to the rail and extending rearwardly therefrom, the plates being spaced to embrace a stake and further being apertured to pass wedges, one in front of and one in back of the stake, and a pair of wedges constituting the sole means of attachment of the rail to the stake, said wedges projecting through the apertures in the plates and being located in a common horizontal plane close to the base flange so as to connect the rail to the stake with freedom for relative tilting or angular deflection about the point of engagement of the wedges on the stake, whereby, when construction machinery is being carried, the consequent deflection of the rail is accommodated without tilting or loosening the stake.

1,983,925
FLUSHING SYSTEM
William S. White, Denver, Colo.
Application February 4, 1933, Serial No. 655,162
16 Claims. (Cl. 4—26)



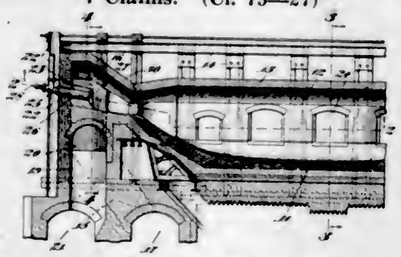
1. A system for flushing a toilet or the like, provided with a flush-valve, comprising in combination with a source of water-supply, a reservoir and an air-compression chamber communicating for the passage of water from one to the other, a pipe connecting the reservoir with the flush-valve, a pipe connected with the same reservoir and having a valve-controlled air-intake, and a jet connected with the source and extending into the last-mentioned pipe.

1,983,926
CONSTRUCTION OF CIGARETTES AND THE LIKE
Martin Zirmer, Portland, Oreg.
Application December 6, 1932, Serial No. 645,900
1 Claim. (Cl. 131—52)



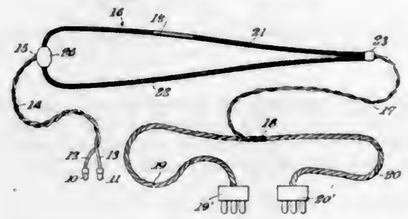
A filtering cartridge to be used with a tobacco roll of the class described comprising a casing adapted to intimately engage with one end of the tobacco wrapper, a pair of linen fabrics disposed in spaced relationship within the casing, soft fibrous material disposed between said fabrics, and a silk fabric disposed within the casing in spaced relation with the linen fabrics.

1,983,927
OPEN HEARTH FURNACE OPERATION
Quincy Bent, Edward F. Entwisle, and Vincent J. Pazzetti, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application June 12, 1930, Serial No. 460,752
7 Claims. (Cl. 75—27)



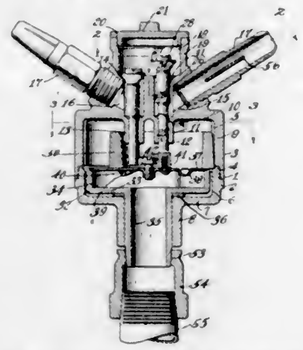
1. In an open hearth steel process, the steps of melting down by burning a gas injected into the furnace with sufficient velocity and density to give a flame sweeping directly over the charge, and refining by burning a gas of composition changed to lower the thermal value and to increase the density thereby to maintain the charge sweeping character of the flame.

1,983,928
AUDIPHONE CABLE
Margery Brown, Vedado, Habana, Cuba
Application January 25, 1934, Serial No. 708,174
2 Claims. (Cl. 179—107)



2. An audiphone cable comprising a plurality of cooperating electrical conductors, a portion of the length of said conductors being formed into a necklace-like loop, an ornamental flexible tubing encasing said necklace-like loop, and a pendant-like clasp affixed to said tubing at the point where said electrical conductors enter said tubing.

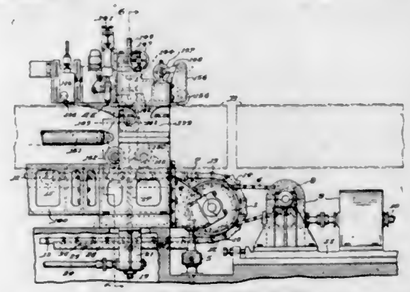
1,983,929
SPRINKLER
Guadalupe Buelna and Henry Eugene Jeremie Vacher, Santa Barbara, Calif.
Application October 19, 1931, Serial No. 569,710
7 Claims. (Cl. 299—67)



1. In a sprinkler of the character disclosed comprising a water conveying and jetting device, a casing, means within said casing and acted upon by the water jetting device to rotate said casing, a sprinkler nozzle carried by the casing, a cam, and a poppet valve operated by said cam to alternately open and close communication between the casing and said nozzle during a given rotation of said casing.

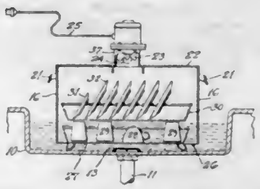
1,983,930
METHOD OF AND APPARATUS FOR WELDING TUBULAR ARTICLES
Carl Carlsen, Youngstown, Ohio
Application April 30, 1930, Serial No. 448,455
6 Claims. (Cl. 219—6)

1. In a welding machine comprising means adapted to progressively weld the longitudinal seam of a tubular blank, means for raising the welded seam to an annealing temperature and means for thereafter working the heated metal of the seam comprising a pressure roller disposed outside the blank, a pressure roller disposed inside the blank, and means for yieldingly pressing the inner roller against the wall of the blank oppositely to the pressure exerted thereon by the outer roller.



6. The method of producing electrically welded pipe from open seam tubular skelp which comprises the steps of progressively welding the open seam surfaces together by the application of electric current and pressure thereacross, heating only the material of the seam to a temperature approximating the critical range by passing an electric current through said material and immediately thereafter applying working pressure to opposite surfaces of the annealed metal to reduce the grain structure of the annealed metal.

1,983,931
DISHWASHING MACHINE
Haskell C. Carter, Portland, Oreg.
Application April 24, 1931, Serial No. 532,441
2 Claims. (Cl. 141—9)

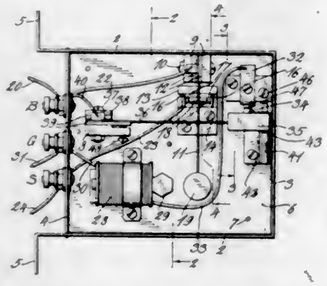


1. A dish washer comprising a kitchen sink having a sloping bottom, in combination with an elongated rectangular box structure having a completely open under side, and having means for holding said box structure in spaced relation to said sink, and means for exhausting air from the upper end of said box which is otherwise closed.

1,983,932
THEFT ALARM FOR AUTOMOBILES
Charles W. Clark, Denver, Colo., and Richard Rupert, Kansas City, Mo., assignors to The Electric Alarm Co., Inc., Denver, Colo., a corporation of Colorado
Application May 2, 1930, Serial No. 449,281
2 Claims. (Cl. 200—90)

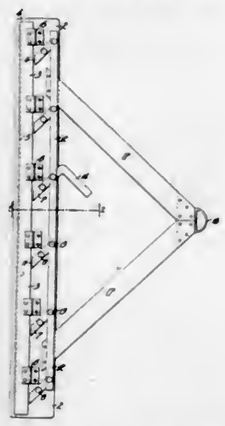
1. A device for controlling the operation of an electric circuit, comprising, in combination, a base, an electromagnet secured thereto, a pendulum having its upper end attached to the base and having its lower end provided with a weight, the pendulum being formed in part by a strip of resilient material and normally held in a prede-

termined position by the action of the resilient strip, the upper end of the strip being rigidly attached to the base so that it must flex when the weight is moved, a switch contact carried by the pendulum, another switch contact carried by the base, the two contacts being normally out of contact but so positioned and spaced that they will engage for the purpose of closing an electric circuit, when the pendulum is vibrated beyond a certain amplitude, a portion of the pendulum being of magnetic material and serves as an armature,



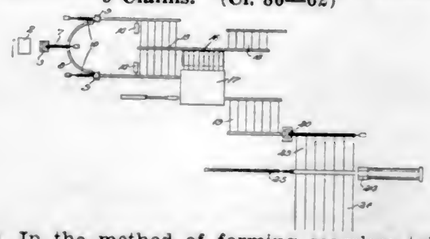
the electromagnet having a pole piece, the distance between the armature and the pole piece being sufficient to permit the pendulum to vibrate with sufficient amplitude to bring the electric contacts into circuit making position, the electromagnet when energized exerting a force on the armature which flexes the resilient portion thereof, whereby when the electromagnet is deenergized the pendulum will begin to vibrate, thereby closing and opening the electric circuit controlled by the contacts.

1,983,933
CLAMP
James T. Coleman, Emeryville, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware
Application November 18, 1931, Serial No. 575,698
3 Claims. (Cl. 254—83)



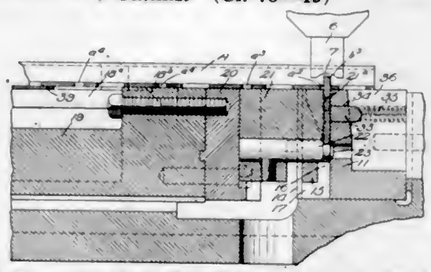
1. A clamp comprising a pair of pivotally connected jaw plates, a plurality of arms pivotally mounted on one of said plates and adapted for movement into clamping engagement with the other plate for holding said jaw plates together, and means connecting said arms for movement together.

1,983,934
METHOD AND APPARATUS FOR MAKING SEAMLESS TUBES
John U. Devine, Struthers, Ohio
Application July 18, 1931, Serial No. 551,597
9 Claims. (Cl. 80—62)



1. In the method of forming seamless tubes, the steps comprising subjecting the product of a pilger mill to a piercing operation and then rolling the same in a plug mill.

1,983,935
MECHANISM FOR FORMING INSULATOR BRACKETS AND THE LIKE
Charles Fassinger, Pittsburgh, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 7, 1930, Serial No. 473,681
9 Claims. (Cl. 78—49)

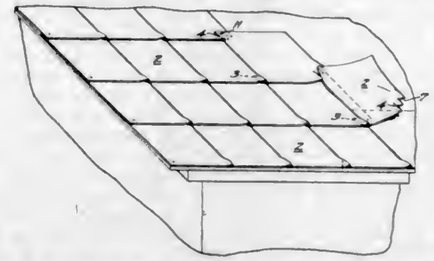


2. In a machine for the purpose specified, a stationary die adapted to receive and hold a flat sheet metal blank having a tongue at one end thereof in a vertical position with the tongue projecting above the top of the die, a reciprocating die movable in a direction normal to the plane of the sheet metal blank and arranged to cooperate with the first die to fold the edges of the blank inwardly to form vertically extending side flanges thereon, a plunger reciprocable in a direction at right angles to the second die and adapted to upset the tongue portion of the blank, said first two dies being arranged to clamp the blank against endwise movement during the upsetting operation, and means at the top of said stationary and movable dies below the lowermost limit of movement of said plunger for supporting a base member in such position that the tongue of said blank may pass through an opening in said base member and be operated upon by said plunger without substantial distortion of the base member.

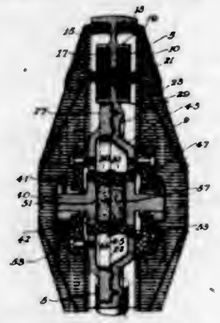
1,983,936
SHINGLE
Dozier Finley, Berkeley, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware
Application August 25, 1930, Serial No. 477,626
7 Claims. (Cl. 108—7)

1. In a roof comprising a plurality of substantially rectangularly-shaped shingles having

locking means at one corner and a receiving slit at an adjacent corner, a course of said shingles laid with one corner of each shingle overlapping the slitted corner of an adjacent shingle so that the overlapping corner abuts the slit, and a similarly laid course of said shingles overlying the first mentioned course so that the locking means of each shingle in the overlying course engages with the slit of a shingle in the underlying course.



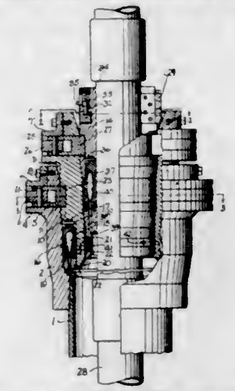
1,983,937
TRANSLATING DEVICE
Emile C. Guedon, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 5, 1931, Serial No. 579,235
6 Claims. (Cl. 179—122)



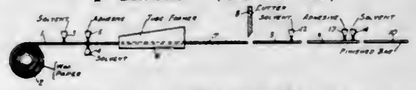
2. In a microphone, a plurality of annular elements, means for holding said elements in contact with each other, one of said elements being provided with a plurality of concentric annular ridges, and the other of said elements being provided with a plurality of cooperating concentric annular grooves, the outermost ridge extending axially of the supporting element more than the innermost ridge whereby, when a planar diaphragm is interposed between said elements and they are brought into approximation through action of the holding means, the diaphragm is first initially stretched by the outermost ridge and groove and thereafter additionally tensioned by the innermost ridge and groove.

1,983,938
CASING HEAD EQUIPMENT
Granville A. Humason and Margia Manning, Houston, Tex.
Application January 23, 1933, Serial No. 653,009
6 Claims. (Cl. 286—16)

1. A casing head having an inner downwardly tapered seat, a bushing shaped to fit therein and seal within said head about an inner pipe, said bushing being split longitudinally and hinged adjacent the upper end thereof, a latching ring lying within a mortised groove adjacent the lower end of said bushing, and divided to allow said bushing to be opened on said hinge and slidable to be moved across the plane of division of said bushing and hold the said bushing in closed position, and means within the contour of said bushing whereby said bushing may be gripped and including operating recesses in opposed sides of said bushing.



1,983,939
METHOD OF MAKING WAXED PAPER BAGS
Abraham B. Kehr, Philadelphia, Pa.
Application November 10, 1932, Serial No. 642,071
4 Claims. (Cl. 93—35)

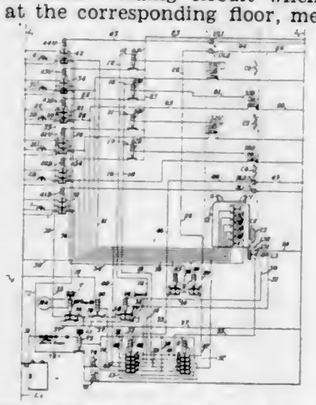


1. In a method of making a bag from a sheet of waxed paper, the steps of applying a wax solvent on the upper surface of one marginal edge of said sheet and on the lower surface of the opposite marginal edge, applying adhesive to the surface of one of said marginal edges and forming the sheet into a tube with the treated surfaces in overlapping relation.

1,983,940
COLLECTOR CONTROL SYSTEM
Frank E. Lewis, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application May 12, 1927, Serial No. 190,780
9 Claims. (Cl. 187—29)

1. In a control system for an elevator serving a plurality of floors, a car, a motor for driving said car, an up motor switch for causing said car to move upwardly, a down motor switch for causing said car to move downwardly, a car calling relay for each floor for causing the car to move to the corresponding floor for movement in an up direction, a car calling relay for each floor for causing said car to move to the corresponding floor for movement in a down direction, normally opened circuits for said relays, an up switch and a down switch at each floor for closing the circuit to the corresponding calling relay, a holding circuit for each of said relays, and means operated by operation of each relay for closing the associated holding circuit, a floor relay for each floor for causing said car to move to said floor, means operable by the operation of either of the calling relays for actuating said floor relay, a switch for each floor normally closed when said car is below the corresponding floor in circuit with said floor relay for closing said up motor

switch, a switch for each floor normally closed when said car is above the corresponding floor for closing said down motor switch, means operable by movement of said car for reversing said switches as the car arrives at the associated floor from either direction, a normally closed stopping switch in circuit with each of said holding circuits, means for opening the normally closed switch for each holding circuit when said car arrives at the corresponding floor, means operated in response to the operation of said up motor switch for rendering effective only the means for opening the holding circuits for said up relays and to the operation of said down motor switch for rendering effective only said means for opening said down relay holding circuits, and manually operable means on said car for operating the car calling relay for each floor dependent upon the position of the car with respect to the floor when said means is operated.

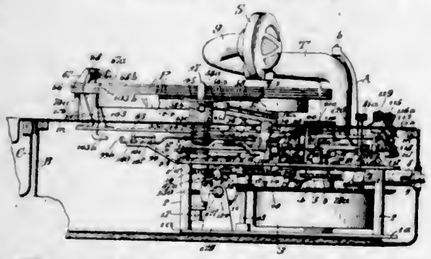


1,983,941

METHOD OF AND APPARATUS FOR MANIPULATING TALKING MACHINE OR PHONOGRAPH RECORDS

Rudolph F. Mallina, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application October 10, 1929, Serial No. 398,740
13 Claims. (Cl. 274—10)



1. The combination with a casing, and a cover hinged to said casing, said cover being movable from closed position into a position at one side of said casing for the reception of played records, of automatic mechanism in said casing, a turntable for supporting a talking machine or phonograph record, means for reproducing sound from said record, and means controlled by said automatic mechanism for passing said record into said cover at the conclusion of the period of sound reproduction.

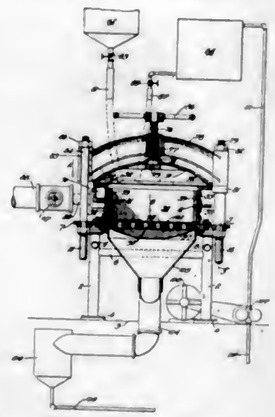
12. The combination with a turntable having a group of talking machine or phonograph records disposed thereon in superposed relation, and a sound reproducing instrumentality movable across the topmost record to reproduce sound while the latter occupies a predetermined level, of means effective after the period of sound reproduction for lowering said turntable and the records thereon from said instrumentality, means for moving said instrumentality laterally toward the periphery of said topmost record and with a given point thereon travelling only in substantially a horizontal plane, means for elevating the group of records, means for removing said topmost record from the group of records under the influence of energy derived from the rotary motion thereof, means for lowering the group of records, means for moving said instrumentality to a position above a point just within the periphery of the now topmost record, and means for elevating the group of records to bring said last named record into engagement with said instrumentality and into sound reproducing position at said predetermined level.

1,983,942

APPARATUS FOR MOLDING MATERIALS

Carl J. Moroney and Sherman C. Meredith, San Mateo, and Kenneth A. Meserole, Burlingame, Calif., assignors to J. D. & A. B. Spreckels Investment Company, a corporation of California

Application December 9, 1930, Serial No. 501,046
20 Claims. (Cl. 107—8)



20. A machine for forming an integral body from particles of sugar and a syrup for cementing together the sugar particles, comprising a mold for receiving the sugar particles and cementing fluid, means for compacting the particles in the mold, and means for effecting the passage of a gaseous fluid through the mass in the mold to distribute the cementing fluid throughout the compacted sugar particles.

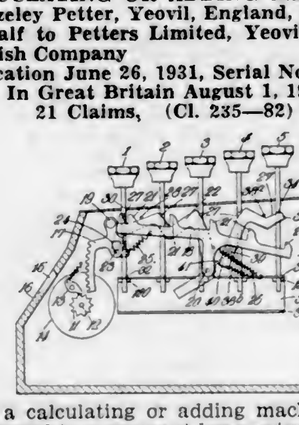
1,983,943

PROCESS FOR CARBONIZING CARBONACEOUS MATERIALS

William W. Odell, Pittsburgh, Pa.

Application December 17, 1929, Serial No. 414,709
9 Claims. (Cl. 202—6)

1. A process for the low-temperature carbonization of solid carbonizable material, which comprises blowing air through a layer of the said material substantially in granular form and of considerable depth at such a rate that the said layer is maintained in a state of motion such that the layer presents the appearance of a boiling liquid, the temperature of operation being at a carbonizing temperature, and withdrawing the carbonized residue.



1,983,944

PRODUCTION OF ANTIRICKETIC SUBSTANCES

August J. Pacini, Chicago, Ill., assignor to American Research Products, Inc., a corporation of Delaware

No Drawing. Application August 13, 1928, Serial No. 299,453
5 Claims. (Cl. 99—11)

2. The method of treating a substance containing appropriate activating material to become anti-ricketic comprising exposing the substance to rays of the corpuscular discharge type in the presence of a catalyst comprising a member of the group chlorine and bromine for accelerating the effects of said rays.

4. The process of treating alimentary products which consists in subjecting the same to low velocity cathode rays and of the order of those emanating from a Lenard tube for a sufficient length of time only to develop vitamin D therein.

1,983,945

CALCULATING OR ADDING MACHINE

Guy Bazeley Petter, Yeovil, England, assignor of one-half to Petters Limited, Yeovil, England, a British Company

Application June 26, 1931, Serial No. 547,101
In Great Britain August 1, 1930
21 Claims, (Cl. 235—82)

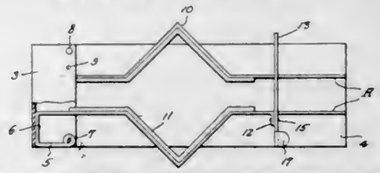
1. In a calculating or adding machine of the type referred to, a segment lever extending along a bank of keys and pivotally mounted substantially midway between its ends, a gear segment carried by said segment lever and means for causing the keys of the bank with which the segment lever is associated on both sides of the pivot on said lever to impart unidirectional motion thereto upon depression of one or other of said keys, means for restraining the rotational movement of the pinion in one direction said gear segment being adapted to engage and rotate the pinion in the unrestrained direction of its movement and to move past the teeth of the pinion or out of operative engagement therewith upon its return movement.

1,983,946

JAR HOLDER

William Arthur Potter, Dayton, Ohio

Application March 14, 1934, Serial No. 715,550
3 Claims. (Cl. 81—3.3)



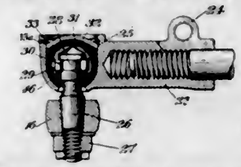
1. A device of the class described comprising a base, an upright at one end of the base, a channel-shaped part at the upper end of the upright, a pair of jaw members, each having an outwardly extending U-shaped portion at one end thereof fitting in the channel, the outer limb being short and means for pivoting the extremity of the said outer limb of each U-shaped portion in the channel.

1,983,947

ROD END JOINT

Hugh M. Rockwell, Freeport, N. Y.

Application April 9, 1930, Serial No. 442,813
7 Claims. (Cl. 287—90)



7. A rod joint comprising in combination a pair of members disposed at an angle to each other and relatively rotatable, one member having a socket and the other member having a stem with the stem disposed within the socket, a bearing member surrounding the stem, and a resilient cushioning member of flowable material disposed within the socket and interposed between the member and the socket, constructed and arranged for automatically centering the stem relative to the socket and permitting a rocking movement of the stem relative to the socket.

1,983,948

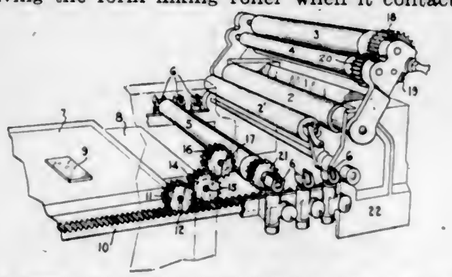
PRINTING PRESS FOR PRINTING WAX CARBON SPOTS ON SHEETS OF PAPER

George A. Rutkoskie, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio

Application October 26, 1934, Serial No. 750,031
7 Claims. (Cl. 101—345)

1. In a printing press for printing spots of wax carbon on sheets of paper, an inking mechanism including a reciprocating ink plate, a rack movable with the ink plate, a form inking roller, and a vibrator roller, a train of gearing including a gear driven by the rack and a gear on the vibrator

roller and the form inking roller for positively driving the form inking roller when it contacts,

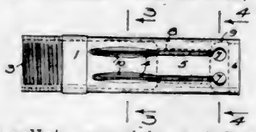


and during its contact with the ink plate and the form.

1,983,949
METHOD OF POLYMERIZING VINYL CHLORIDE
Waldo L. Semon, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 27, 1931, Serial No. 525,881
12 Claims. (Cl. 260—2)

1. The process of polymerizing vinyl chloride which comprises treating vinyl chloride with small proportions of an oxidizing catalyst of polymerization and of a compound selected from the group consisting of formaldehyde, acrolein, unsymmetrical dichlorethylene, trichlorethane and butadiene.

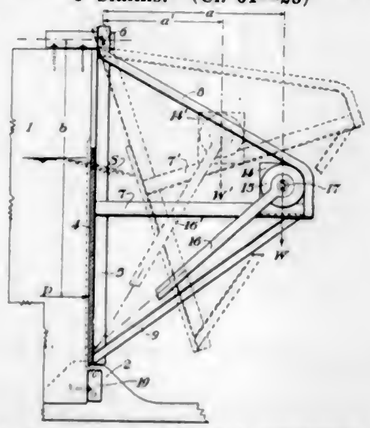
1,983,950
FEED COLLET
Irving H. Sheffer, Detroit, Mich.
Application September 6, 1933, Serial No. 688,366
4 Claims. (Cl. 29—62)



1. A feed collet comprising a tubular body provided at one extremity with means for attachment to an operating member, said body having a plurality of slots formed therethrough intermediately of its length thereby forming a plurality of fingers between them, opposed inwardly projecting gripping members formed on said fingers to engage stock extending through the collet, each slot being of uniform width throughout its length and terminating in an opening of enlarged width at its front extremity, said openings occurring forwardly of said fingers and the front of the body terminating in a collar split by a slot extending forward from one of said openings.

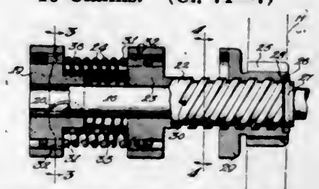
4. A feed collet comprising a tubular body of substantially uniform diameter throughout its length and provided with means for attachment to an operating member, said body having a plurality of longitudinal slots formed therethrough intermediately of its length thereby forming fingers between them, gripping members formed on said fingers and projecting inwardly, the outer longitudinal margins of the slots being chamfered, the portion of the body immediately in front of the gripping members having openings of greater width than said slots formed therethrough in which said slots terminate, and the front of the body terminating in a collar split by a slot extending from one of the openings.

1,983,951
AUTOMATIC WATER GATE
John Cyprian Stevens, Portland, Oreg.
Application January 14, 1933, Serial No. 651,665
6 Claims. (Cl. 61—25)



1. An automatic water gate comprising a gate leaf hinged at the top and actuated by water pressure to swing with respect to an opening in the wall of a water holding structure, a counterweight movably supported on tracks attached to the gate, and means on the gate frame connected with the counterweight for moving the counterweight on said tracks toward the gate-leaf as the gate opens and from the gate-leaf as it closes.

1,983,952
STARTING GEAR
James M. Tatman, Cincinnati, Ohio
Application November 7, 1932, Serial No. 641,509
16 Claims. (Cl. 74—7)



1. A starter gear unit, comprising, a power shaft, a driving collar fixed to said shaft, a pinion mounted on said power shaft, a screw-threaded element for translating said pinion on said power shaft, and intercoiled coil springs disposed about the shaft, each spring having terminals at each end formed to provide eyelets having their axes disposed at right angles to and on the same side of the axis of the coil spring, said springs being arranged so that the eyelets of each spring are oppositely disposed relative to the eyelets of the other of said springs, said nut and adjacent end of said screw-threaded element having integral pins on their respective peripheries for receiving said eyelets.

1,983,953
KNOTTER
Roberts Tatlock, Gastonia, N. C., assignor to Mill Devices Company, Inc., a corporation of North Carolina
Application December 10, 1932, Serial No. 646,725
24 Claims. (Cl. 289—3)

1. A knotter comprising a tying bill, means to rotate said bill, guides to position a pair of threads

across the knotter in spaced substantially straight condition and substantially parallel to a common plane, and means for bringing said threads into contacting crossed relation at a single point of

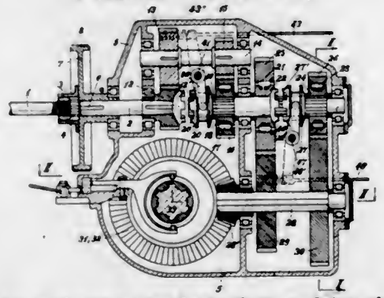


crossing located for engagement by the tying bill and for passage of the tying bill between the threads successively on opposite sides of the point of crossing during rotation of said bill.

1,983,954
MEDICINE AND PROCESS OF PREPARING SAME
Guy C. Taylor, Decatur, Ill., assignor to Flint Eaton and Company, Decatur, Ill., a corporation of Illinois
No Drawing. Application May 20, 1933, Serial No. 672,082
3 Claims. (Cl. 167—57)

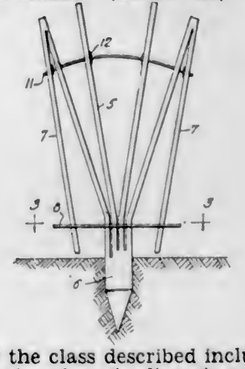
1. A dry, fused mixture in granular form for oral administration and unreactive in the absence of water comprising calcium gluconate, an edible organic acid and a member of the order of sodium bicarbonate capable of reacting in the presence of water with said organic acid to liberate carbon-dioxide and surcharge the water, the calcium gluconate being present in the dry mass in percentage greater than the other members.

1,983,955
CHANGE SPEED GEAR
Alfred Graf von Soden-Fraunhofen, Friedrichshafen, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany
Application May 3, 1933, Serial No. 669,102
In Germany May 17, 1932
2 Claims. (Cl. 74—326)



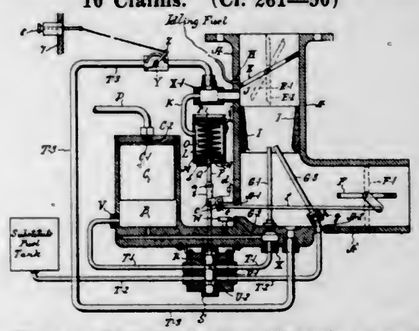
1. In a change speed gearing, a drive shaft, a second shaft substantially in alignment with the drive shaft, means for connecting said two shafts directly, means for driving said second shaft indirectly from the first shaft at a reduced speed, said indirect driving means including an overrunning clutch, said clutch permitting said second shaft to overrun said indirect driving means when said first and second shafts are directly connected, a third shaft substantially parallel to said other two shafts, a first means including an overrunning clutch for driving said third shaft from said second shaft at one speed relative to said second shaft, a second driving means also including an overrunning clutch for driving said third shaft from said second shaft at a higher speed than that produced through said first driving means, and means for putting said second driving means into and out of action, each of said overrunning clutches in the respective drives between the second and third shafts permitting its driving means to overrun one of said shafts when the third shaft is being driven through the driving means including the other of said overrunning clutches.

1,983,956
TRELLIS
Howard D. Wakefield, Warren, Vt.
Application July 14, 1934, Serial No. 735,231
1 Claim. (Cl. 47—47)



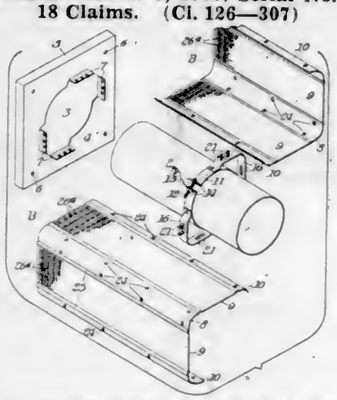
A trellis of the class described including a peg having rising therefrom in diverging relationship a plurality of scarfs, the end ones of which are provided with depending scarfs terminating a distance above the lower end and a brace on the lower part of said trellis adjacent the peg portion, said brace having slots adjacent the ends thereof for the insertion of the depending scarfs and a centrally disposed slot for the insertion of the upstanding scarfs.

1,983,957
CARBURETOR
Richard Drace White, New York, N. Y.
Application May 25, 1933, Serial No. 672,881
10 Claims. (Cl. 261—50)



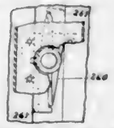
1. In a carburetor having throttle and choke valves and a nozzle, main and substitute sources of fuel, and means for placing the nozzle in communication with the main fuel source at idling and high-speed positions of the throttle and with the substitute fuel source at intermediate speed positions of the throttle, said means being operable by the absence and presence of suction in the space just behind the throttle valve when in the closed position and connecting means connecting said first named means with the choke to actuate the choke simultaneously therewith.

1,983,958
HEAT UTILIZING COVERING FOR STOVE PIPES
August B. Wolbers, Pittsburgh, Pa.
Application December 9, 1933, Serial No. 701,638
18 Claims. (Cl. 126—307)



1. In combination with a stove pipe, an enclosing plural section longitudinally divided perforated covering consisting of interfitting sections supported in spaced relation to the stove pipe each provided with a deflected edge portion engaging an adjacent similar edge portion, and means connecting said edge portions.

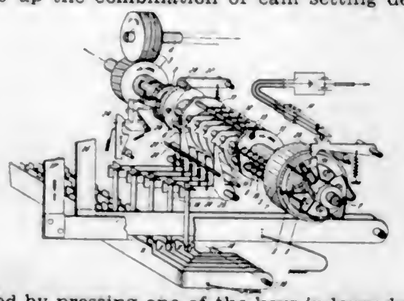
1,983,959
STABILIZER FOR SLIDING CLOSURES
Harry B. Wuebling, Cincinnati, Ohio
Application May 26, 1932, Serial No. 613,777
8 Claims. (Cl. 16—91)



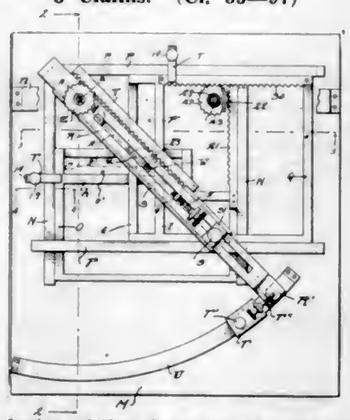
2. In an anti-rattling guide for sliding doors and the like the combination of a guide bar arranged for pivotal mounting on the edge of such door adjacent suitable guide surfaces, anti-friction bearing members at opposite ends of said bar for engagement with suitable guide surfaces, tension means for yieldably retaining said anti-friction members in abutment with said guide surfaces and means for increasing and decreasing the tension while the device is in operative position.

1,983,960
CURRENT IMPULSE TRANSMITTER
Max Amann, Frankfort-on-the-Main, Germany, assignor to H. Fuld & Co. Telephon- und Telegraphenwerke A.-G., Frankfort-on-the-Main, Germany, a corporation of Germany
Application April 30, 1932, Serial No. 608,533
In Germany May 1, 1931
21 Claims. (Cl. 178—79)

1. A key board telegraph apparatus or current impulse transmitter adapted to be actuated by an auxiliary force comprising operating keys, combination bars actuated by said keys, movable cams, means for setting said cams in accordance with the setting of said bars, means actuated by the cams in accordance with their setting and adapted to actuate a contact for impulse transmission; said means for setting the cams in accordance with the setting of the combination bars including means actuated by said bars and intermediate members acted upon by the last-named means and actuating said cams, the said intermediate members being adapted to store up the combination of cam setting determined by pressing one of the keys independently of the others and being so constructed that during the actuation of said means actuated by the cams in accordance with their setting they are withdrawn from the influence exerted on the keys and the influence of the keys.

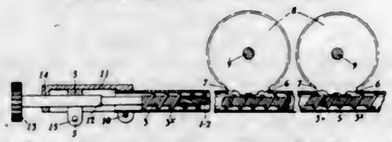


1,983,961
DEVICE FOR PERFORMING TRIGONOMETRICAL CALCULATIONS
Miguel Araujo, Pachuca, Estado de Hidalgo, Mexico
Refiled for abandoned application Serial No. 300,514, August 18, 1928. This application August 29, 1931, Serial No. 560,249
8 Claims. (Cl. 33—97)



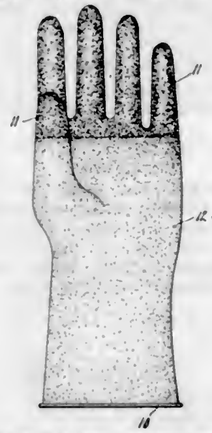
8. A device of the character described including a pair of parallel guides extending in one direction, a pair of parallel guides extending at right angles to the first named guides, a rectangular frame movable in one direction between the first named guides, a rectangular frame movable at right angles to the first named frame and between the second named guides, each of the frames having a slot extending transversely of its path of movement, said slides together defining two sides of a rectangle, a straight edge pivoted on a line intersecting the opposed corners of the rectangular figure defined by the sliding frames and extending across the intersection of said slots, said straight edge being longitudinally slotted, means operatively connecting the two frames and the straight edge at the intersection of said slots and permitting free movement of all of the said elements with relation to each other, rotatable graduated heads, one for each of said frames and one for the straight edge, the first named heads indicating the extent of movement of the frames in one direction or the other, the last named head indicating the movement of the means connecting the straight edge with the frames longitudinally of the straight edge.

1,983,962
POWER TRANSMISSION MECHANISM
William Edward Barber and Henry Archibald Watts, South Farnborough, England
Application July 8, 1932, Serial No. 621,496
In Great Britain July 15, 1931
5 Claims. (Cl. 74—504)



1. A force transmission system having a force transmitting cable composed of inner and outer layers of spirally wound wire, the outer layer including one wire of larger size than the rest to form a spaced spiral rib, force transmitting and receiving members with means to engage said spiral rib whereby rotation of one member displaces the cable longitudinally which latter in turn rotates the other member.

1,983,963
RUBBER PRODUCT HAVING ROUGHENED OR CRINKLED SURFACES AND METHOD FOR PRODUCING THE SAME
Porter Lee Belton and Oscar Leroy Belton, Barberton, Ohio, assignors to Seiberling Latex Products Company, Akron, Ohio, a corporation of Ohio
Application May 11, 1933, Serial No. 670,424
10 Claims. (Cl. 18—58)



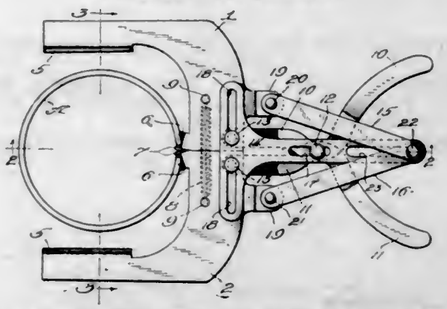
1. That method for producing rubber with a roughened or crinkled surface which comprises partially vulcanizing the rubber to form a skin of rubber over the article, treating said skin of vulcanized rubber with a swelling agent, and then completely vulcanizing the article.

1,983,964
HULL CONSTRUCTION
Alfredo Berardinelli, Genoa, Italy
Application July 28, 1931, Serial No. 553,637
In Italy July 29, 1930
3 Claims. (Cl. 114—79)

1. A hull construction comprising a main framework having longitudinally and transversely extending flanged members, a secondary framework of flanged stringers, and an exterior skin consisting of a plurality of panels formed of thin plates reinforced by said stringers, said panels being fastened to said main framework by securing the flanges of said stringers to the flanges of the adjacent members of the main framework with the faces of the respective flanges in abutting relation.



1,983,965
HOLDER AND EXPANDER FOR PISTON RINGS
Herbert A. Berkman, Chicago, Ill., assignor to Zim Manufacturing Company, a corporation of Illinois
Application April 29, 1933, Serial No. 668,535
8 Claims. (Cl. 29—86.4)

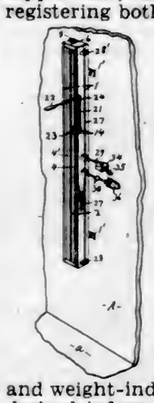


1. A tool for holding and expanding piston rings, comprising two curved fingers adapted to lie in the plane of and on opposite sides of a divided piston ring, said fingers having free ends and base ends which latter ends are normally in contact with each other elements at the base ends of said fingers adapted to extend into the gap between the ends of the ring, the fingers being of such length and shape that when the free ends are swung toward each other about the point of contact of said elements as a center the free ends of said fingers will engage with the periphery of the ring at two points each spaced at least ninety degrees from the said gap, and means to swing the free ends of said fingers into engagement with the periphery of the ring and then spread the fingers apart at their bases.

1,983,966
COMBINATION WEIGHT AND HEIGHT MEASURING DEVICE
John D. Boyd, Chittenango, N. Y.
Application February 17, 1932, Serial No. 593,491
8 Claims. (Cl. 33—169)

1. In an apparatus for determining the theoretical weights of persons according to their height and age, two juxtaposed upright elements having respectively a height-indicating scale and transverse rows of different weight-indicating characters each in line with a different part of the scale, said elements being relatively movable transversely to cause any one of the weight-indicating characters of each row to register with the corresponding part of the scale, and a slide movable along said scale and provided with an offset upwardly projecting post having a head-engaging

member on its upper end, said slide having a pointer portion registering both with the height-



indicating scale and weight-indicating characters to indicate the desired information.

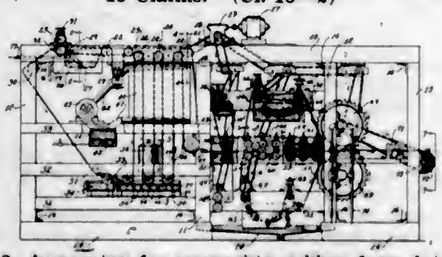
1,983,967

METHOD AND APPARATUS FOR PRODUCING RUBBER

Marion A. Cheek, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application December 31, 1931, Serial No. 584,054

15 Claims. (Cl. 18—2)



3. Apparatus for preparing rubber from latex which comprises means for continuously forming a continuous length of latex, and means for effecting a gradual and substantially uninterrupted syneresis of the rubber of said latex which comprises means for treating said length with a coagulant, means for pressing said length between water-absorptive surfaces, and means for heating said length, said means being arranged to operate successively upon the latex without substantial intervening elapse of time.

1,983,968

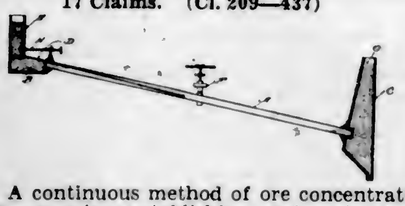
ORE CONCENTRATION

Walter G. Clark, Los Angeles, Calif., assignor to F. R. Feitshans, trustee

Application January 22, 1931, Serial No. 510,549

Renewed June 13, 1934

17 Claims. (Cl. 209—437)



10. A continuous method of ore concentration which comprises establishing and maintaining an elongated mass of finely divided ore at an angle to the horizontal, flowing a current of liquid over said mass in an upward direction and vibrating said mass by means of controlled waves establishing a series of fixed nodes and alternate internodes, said current being of sufficient velocity to carry said lighter particles upward with it past the successive nodes and internodes and finally remove them at the top and said vibrations being of sufficient intensity to cause the heavier particles, under the influence of gravity, to move downward against the current through the series of alternate nodes and internodes to the bottom of the mass where they are removed.

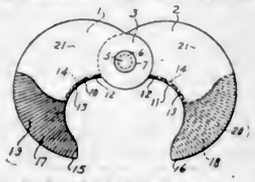
1,983,969

SURGICAL CLAMP

Frederick W. Davis, Dayton, Ohio, assignor to The Umbiliklamp Company, Dayton, Ohio, a corporation of Ohio

Application July 29, 1933, Serial No. 682,810

10 Claims. (Cl. 128—346)



1. A surgical clamp comprising a pair of semi-circular, overlapping and interlocking arms pivotally engaging one another at one end thereof, said arms having inter-engaging serrated locking portions comprising multiple serrations on each arm at their opposite ends to lock said arms in position, said serrations being composed of alternate ridges and grooves, said semi-circular arms forming an area between them in which is located the material to be clamped, the outline of the area remaining the same but varying in size longitudinally and laterally, said outline comprising a pair of intersecting arcs defining a space of varying width and length but having sides of constant curvature and the ends of the space terminating in sharp points.

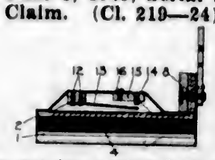
1,983,970

APPARATUS FOR HAIR WAVING

George Decker, Cleveland, Ohio, assignor to The Philad Company, Cleveland, Ohio, a corporation of Ohio

Application June 5, 1929, Serial No. 368,545

1 Claim. (Cl. 219—24)



A heater for use in waving hair comprising a substantially semi-cylindrical hollow casing adapted to partially enclose a wound strand of hair, an electrical heating element within said casing, insulating blocks secured to the casing adjacent one end, lead-in wires from the electrical heating element to said insulating blocks, conductors connected to said lead-in wires enclosed by said blocks, an excrescence on the exterior of the heater casing and open on the side toward said heating element, blocks of insulating material secured to the interior of said excrescence, a bi-metallic strip carried by one of said blocks, an adjustable contact carried by the other of said blocks, said strip and contact being interposed in one of said lead-in wires.

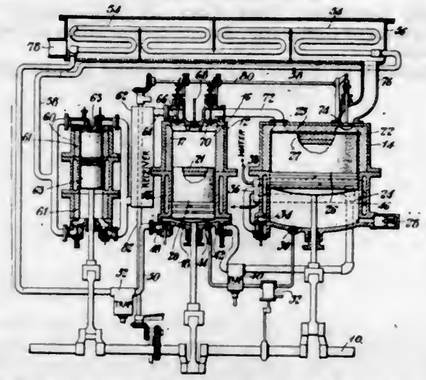
1,983,971

INTERNAL COMBUSTION ENGINE

Henry L. Doherty, New York, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application October 26, 1927, Serial No. 228,716

6 Claims. (Cl. 123—32)



1. In an internal combustion engine, the combination of a combustion chamber having a heat insulating lining, a counter flow recuperator connected to receive hot gases from said combustion chamber, means for cooling air compressed in said compression chamber and for delivering cool compressed air to said recuperator, a second compression chamber, means for delivering hot compressed air from said recuperator to said second compression chamber, means for compressing the air further in said second compression chamber and at substantially constant entropy, and connections for delivering air from said second compression chamber to said combustion chamber at substantially the same temperature and pressure at which it leaves said second compression chamber.

1,983,972

MANUFACTURE OF RUBBER AND ARTICLES THEREOF

Mario Faldini, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy, a company of Italy

No Drawing. Original application June 24, 1931, Serial No. 546,669. Divided and this application July 7, 1932, Serial No. 621,309. In Great Britain August 13, 1930

9 Claims. (Cl. 18—50)

1. A process of the heat-deposition type, hereinbefore defined, for the direct production of rubber or rubber articles, which consists in admixing together an aqueous dispersion of rubber, an aqueous stable emulsion of unsolidified brown substitute and a coagulant of the heat-activated type, so as to produce a heat-sensitized mixed dispersion, and thereafter immersing a heated deposition base into the dispersion to produce thereon by local heating of the dispersion at the surface of the base a layer of compact rubber coagulum.

1,983,973

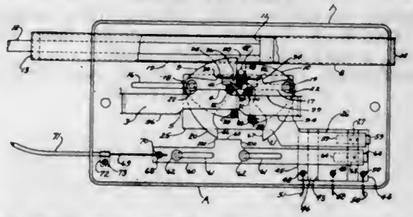
CIRCUIT CLOSER

Edward A. Fingler, Detroit, Mich.

Application October 3, 1931, Serial No. 566,685

15 Claims. (Cl. 200—59)

1. In a signal mechanism for an automotive vehicle, the combination of a track provided with cam surfaces on its upper and lower sides, a pair of oppositely disposed dog members, each of said oppositely disposed dog members being pivotally mounted, each of said oppositely disposed dog members being provided with roller members engaging the cam surface on the lower side of said track, another pair of oppositely disposed dog members, each of said last mentioned dog members being pivotally mounted, each of said last mentioned oppositely disposed dog members being provided with roller members engaging the cam surfaces on the upper side of said track, resilient means for maintaining the rollers of said first mentioned oppositely disposed members in engage-



ment with said track, resilient members for maintaining the rollers of said second mentioned oppositely disposed members in engagement with said track, a piston engaging said first mentioned oppositely disposed dog members, a steering gear, means connecting said steering gear and said piston, stationary switch contact members manually operated means engaging said last mentioned oppositely disposed dog members, said manually operated means being provided with movable switch contacts for engaging said stationary switch contact members, and means suitably mounted to move with said dog members, said last mentioned means being provided with switch contacts adapted to contact said stationary switch contact members.

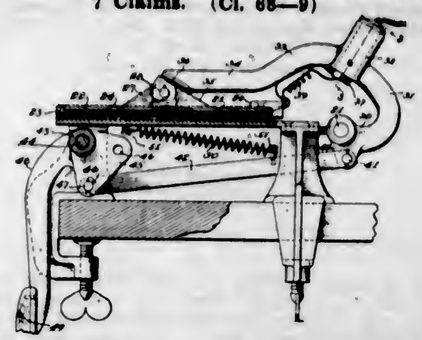
1,983,974

PRESSING MACHINE

Shelley W. Ford, Cincinnati, Ohio

Application January 17, 1934, Serial No. 707,013

7 Claims. (Cl. 68—9)

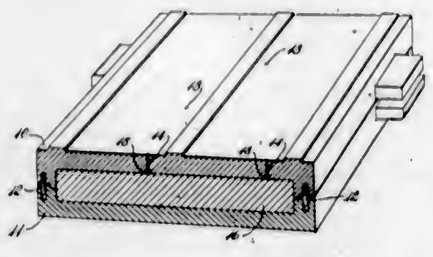


1. A garment pressing machine, comprising a stationary lower pressing member, a rocking arm journaled at the rear of said member and extending forwardly thereover, a movable upper member secured to the free end of said arm, an operating lever pivoted below the forward end of the stationary member and extending forwardly and downwardly from its pivot, and a link connected to said lever and to said arm below its rear bearing to thereby rock said arm and lower said upper member upon rearward movement of said operating lever.

1,983,975
MAGNESIUM BASE ALLOY
John A. Gann, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 9, 1933, Serial No. 684,398
4 Claims. (Cl. 75—1)

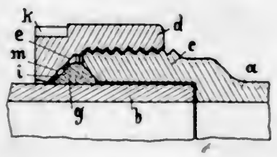
1. A magnesium base alloy containing from 0.1 to 15 per cent of tin and from 0.1 to 5 per cent of manganese.

1,983,976
VENTED MOLD
Benjamin S. Garvey, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 1, 1933, Serial No. 678,591
9 Claims. (Cl. 18—42)



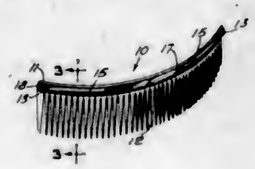
7. In a mold for vulcanizing rubber, a gas-impervious mold body having a recessed venting opening, and a gas-pervious carbon plug closing the opening and terminating flush with the mold face, said plug having a shoulder cooperating with the recess in the opening to prevent outward movement of the plug from its flush relationship with respect to the mold face.

1,983,977
PIPE COUPLING
Carl Geiger, Weende-Gottingen, Germany
Application March 17, 1932, Serial No. 599,551
In Germany April 26, 1930
4 Claims. (Cl. 285—123)



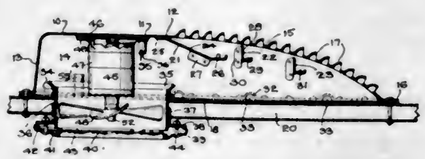
2. A pipe coupling for gas and water pipes of uniform diameter, including a sleeve integral with the one pipe member and formed throughout its full length with a recessed bore to receive the spigot member of the other pipe, a closed packing ring of elastic material, a screw cap enclosing said packing between an inclined internal surface of the cap and an opposite beveled front face of the free end of the sleeve, said packing ring having its free end surfaces inclined in coincidence with the inclinations of the internal surfaces of the cap and of the end of the sleeve, and an annular layer of material of small sliding friction interposed between the inclined internal cap surface and the packing, said annular layer releasing a portion of the packing ring for direct adherence to the interior surface of the cap under strong connecting pressure of the parts.

1,983,978
HAIR DEVICE
Jacob Goodman, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application August 18, 1934, Serial No. 740,398
6 Claims. (Cl. 132—38)



1. In a hair device for making water-waves, the combination of a comb curved in the direction of length, and a detachable spring clasp embracing an end of the comb and having legs extending lengthwise of the comb on opposite surfaces of the upper portion thereof, said comb having on its upper portion means for guiding the spring clasp into operative engagement with the comb.

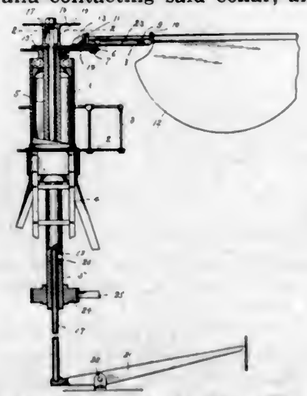
1,983,979
BUS VENTILATOR
Herbert J. Graham, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 1, 1933, Serial No. 678,596
7 Claims. (Cl. 98—2)



1. In a bus ventilator, in combination, a main body member having front, top and side walls, the top wall being tapered downwardly toward the rear thereof so that the rear transverse edge of the top lies substantially in the plane of the bottom edges of said front and side walls, a plurality of transversely extending louvers formed in the tapering portion of said top wall, and a plurality of transversely extending rain gutters arranged below the louvered top wall and in longitudinally spaced relation, the opposite ends of said gutters terminating short of the opposite side walls of the body member.

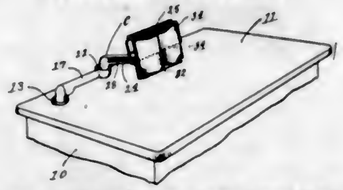
1,983,980
WINDMILL
Adam A. Gray, Duluth, Minn., assignor of one-half to W. P. Soneson, Duluth, Minn.
Application October 16, 1933, Serial No. 693,764
7 Claims. (Cl. 170—27)

1. A windmill comprising a vertical shaft, a collar fixed to the upper end of said shaft, a sleeve upon said shaft, a disc upon said sleeve, directly beneath said collar and extending beyond same, bearings carried by said disc, vane bearing shafts pivotally supported within said bearings and contacting said collar, and means



whereby movement of said collar will rotate said vane bearing shafts.

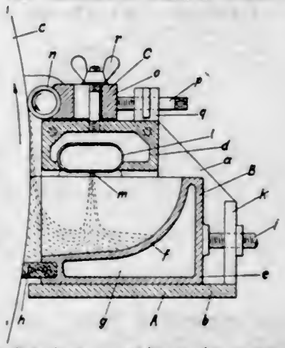
1,983,981
EASEL
Walter M. Hanson, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application July 23, 1934, Serial No. 736,546
4 Claims. (Cl. 45—82)



1. In a device of the class described, a supporting arm having a stud provided with a flat face on one side of its peripheral surface, a supported arm swingably mounted on said stud, an easel having a stud rotatably journalled on said supported arm, said stud having a flat face on its peripheral surface, and a rod interposed between the peripheral surface of the first stud and the flat face of the second stud adapted to be slid to an interposed position between the flat face of the first stud and the peripheral surface of the second stud by the rotation of the easel after a swinging movement of the supported arm.

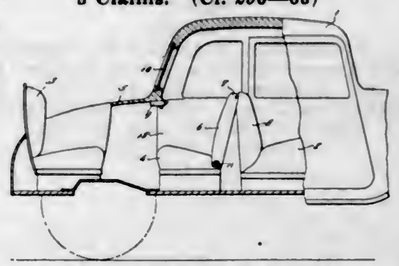
1,983,982
APPARATUS FOR APPLYING LIQUID FATS, FAT EMULSIONS, AND THE LIKE TO A ROTATING DRUM
Rudolf Knollenberg, Lubeck, Germany
Application March 25, 1933, Serial No. 662,816
In Germany April 13, 1932
1 Claim. (Cl. 91—49)

Apparatus for applying liquid fats, fat emulsions, or the like to a rotatable drum in a layer of regulatable thickness, comprising a trough having an open top and an open side, said open side being directed toward the drum so that the trough and drum form an applying chamber, a frame providing a support along which the trough may be slid toward and from the surface of the drum, means for holding the trough at a selected distance with respect to the surface of the drum, said frame including a fixed strut extending across the top of the trough and being of limited dimensions at right angles to the surface of the drum whereby the contents of the trough may be inspected through said open top, an emulsion supply conduit on said



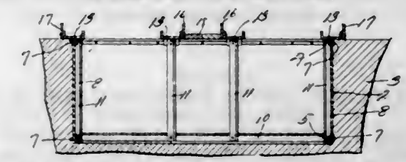
strut and having openings in communication with the trough, a sliding track on said strut, and a smoothing device guided by said track and adjustable therealong toward and from the surface of the drum.

1,983,983
AUTOMOBILE BODY
Louis Larson and Edward Johnstone, Katonah, N. Y.
Application April 3, 1934, Serial No. 718,870
3 Claims. (Cl. 296—63)



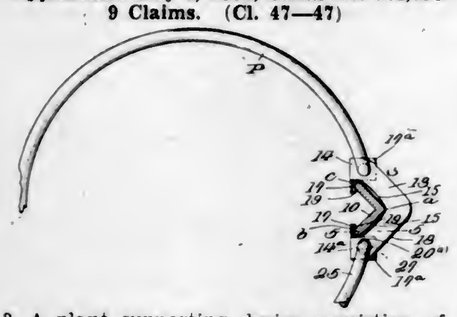
1. In an automobile body having a rear deck, an operator's seat, another seat mounted in the body rearwardly of said operator's seat, and a member hingedly mounted on the operator's seat and adapted to function selectively as a back rest for the second named seat or as a supporting shelf to the rear of the operator's seat, an interengaging latch means on said member and the deck for releasably supporting said member in shelf-functioning position, bridging the space between the deck and the back of the operator's seat.

1,983,984
AUTOMOBILE PIT
Thomas Martin, New York, N. Y.
Application January 19, 1927, Serial No. 162,099
2 Claims. (Cl. 184—1.5)



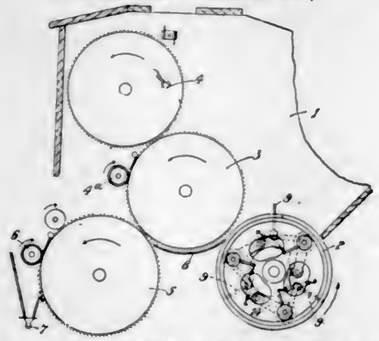
1. A multiple automobile pit comprising a single common chamber, a plurality of spaced trackways overlying a plurality of individual servicing positions in said common chamber and bumper means at the front end of said trackways for guiding the wheels of automobiles thereto.

1,983,985
PLANT SUPPORT
John W. Meixell, Lewisburg, Pa.
Application May 9, 1934, Serial No. 724,793
9 Claims. (Cl. 47—47)



3. A plant supporting device consisting of a stake, a support member having arms straddling said stake, said arms also having depending members engaging said stake, whereby a slidable engagement is provided, and a ring-like plant-engaging member provided with free ends removably engaging said support member and extended forwardly from the stake in such manner that its weight normally cants the support member sufficiently to establish a frictional weight-sustaining engagement between the support member and the stake.

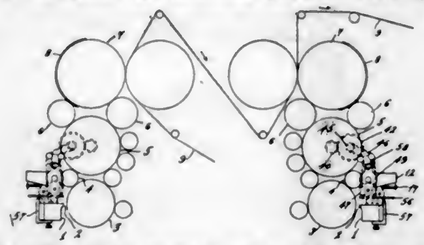
1,983,986
CIGARETTE MAKING MACHINE
Walter Everett Molins and Félix Frédéric Ruau, Deptford, London, England
Application June 1, 1933, Serial No. 673,889
In Great Britain June 10, 1932
6 Claims. (Cl. 131—39)



1. In a tobacco feeding apparatus the combination with a combing element, of a distributor element disposed to receive tobacco from the combing element, a feeding element to feed tobacco from a hopper to the combing element, said feeding element comprising a roller having retractable feeding spikes.

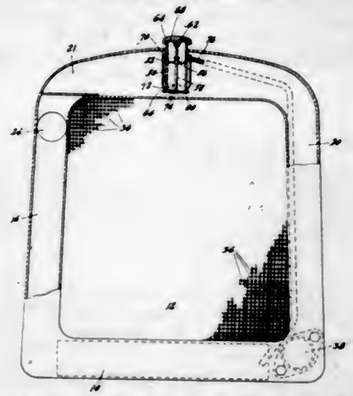
1,983,987
AUXILIARY COLOR FOUNTAIN FOR WEB PRINTING PRESSES
William J. Morrison, Lakewood, and Grover C. Spicer, Lyndhurst Village, Ohio, assignors to The Cleveland Company, Cleveland, Ohio, a corporation of Ohio
Application October 31, 1933, Serial No. 696,052
8 Claims. (Cl. 101—351)

1. The combination with a printing press having an ink rail movable into and out of ink supplying relation with said press of an auxiliary ink fountain mounted adjacent said press



and adapted to supply ink to said press when said ink rail is out of ink-supplying relation with said press.

1,983,988
RADIATOR FILLING DEVICE
Harry C. Mougey, Detroit, Mich., and Charles R. Short, Clermont, Fla., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application September 22, 1927, Serial No. 221,227. Divided and this application June 3, 1932, Serial No. 615,086
8 Claims. (Cl. 257—125)

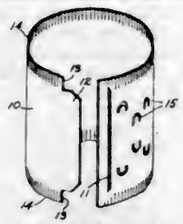


1. In combination with a radiator having a header portion located at its top, a filler tube supported in one of the walls of the header portion and extending into said header portion, a cap adapted to be secured in closing position upon the top of said filler tube, a vent opening associated with said filler tube through which air may escape from the interior of the container during the filling operation, the bottom of said vent opening being located a substantial distance below the top of said header portion, said vent opening being adapted to be sealed by the liquid as soon as the latter rises slightly above the bottom of said vent opening to prevent further escape of air from the interior of the container, thereby automatically providing an expansion space in the top of said header portion, and means associated with said cap to close the top of the vent opening when the cap is secured in closing position upon said filler tube.

1,983,989
STOVE PIPE JOINT
James E. Pallas, San Francisco, Calif.
Application June 7, 1933, Serial No. 674,668
5 Claims. (Cl. 285—197)

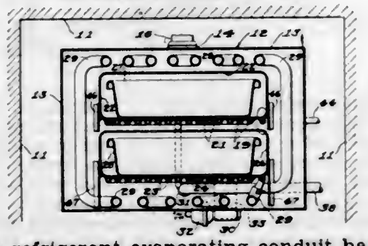
1. A connecter for stove pipe joints comprising a cylindrical sleeve adapted to receive a short section of stove pipe encircling it intermediate its ends, tabs cut from the sleeve to bend outwardly

therefrom and retain said section in a central position on the sleeve, the ends of the sleeve be-



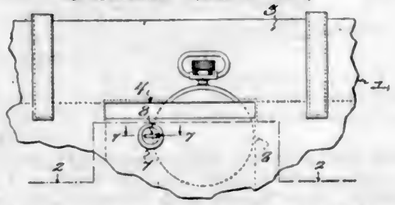
ing insertable into the ends of longer sections of pipe to be joined end to end with said short section.

1,983,990
EVAPORATOR FOR REFRIGERATORS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application April 11, 1929, Serial No. 354,319
Renewed May 4, 1934
12 Claims. (Cl. 62—8)



1. A refrigerant evaporating conduit having a relatively high evaporation capacity disposed in thermal contact with a heat exchanger, a brine solution associated with the heat exchanger, said brine solution being confined to prevent its circulation away from the expansion conduit after becoming heated, and means for controlling the flow of refrigerant through said conduit in response to changes in temperature of said brine.

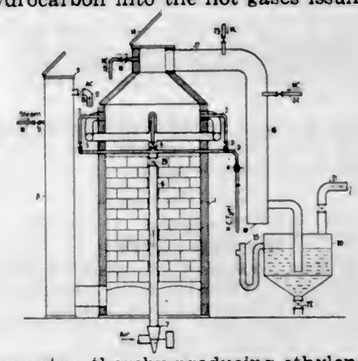
1,983,991
SAFETY ATTACHMENT FOR POCKETS
Charles J. Pokora, Milwaukee, Wis.
Application November 6, 1933, Serial No. 696,821
5 Claims. (Cl. 2—250)



1. In combination with a normally flat pocket having yieldable front and rear walls secured together at their side and bottom edges, an elastic member passing transversely through the walls of the pocket to restrict its opening.

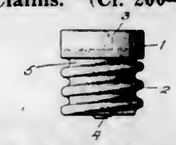
1,983,992
PROCESS FOR THE THERMAL DECOMPOSITION OF HYDROCARBONS
Frederic Marinus Pyzel, Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 18, 1931, Serial No. 557,860
7 Claims. (Cl. 23—212)

1. In a process of producing hydrogen the steps comprising: passing hydrocarbon gas over highly heated refractory material in a converter, injecting hydrocarbon into the hot gases issuing from



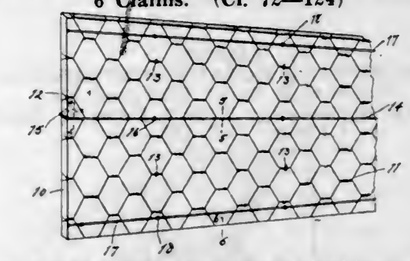
the converter, thereby producing ethylene in the gas stream and subsequently removing acetylene from the gas stream by the use of said ethylene.

1,983,993
ELECTRIC FUSE PLUG
Sverre Quisling, Madison, Wis.
Application October 18, 1933, Serial No. 694,180
7 Claims. (Cl. 200—130)



1. In a fuse plug, a solid threaded insulating body, the lower portion being externally coated with paint containing luminous sulfides of earthy metals with an outer coating of metal capable of fusing to combine and form a dark colored sulfide adherent thereto.

1,983,994
PLASTER BED
John S. Raynor, Holmesburg, Pa.
Application July 9, 1931, Serial No. 549,651
6 Claims. (Cl. 72—124)

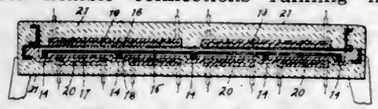


1. A plaster bed comprising a rigid imperforate member, and a meshed member slightly larger than the imperforate member and imposed on one face thereof and having all its margins turned over the edges of said imperforate member to secure the two members together.

1,983,995
APPARATUS FOR DRYING STORAGE BATTERY PLATES
Willard L. Reinhardt, East Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Original application March 7, 1927, Serial No. 173,354. Divided and this application December 26, 1930, Serial No. 504,785
4 Claims. (Cl. 34—12)

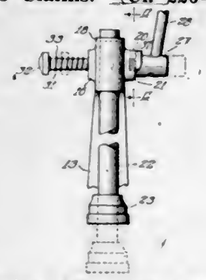
1. In a drying apparatus, a horizontal slot-like chamber, the lower wall of said chamber having

spaced horizontal grooves, a conveyor having endless flexible connections running in said



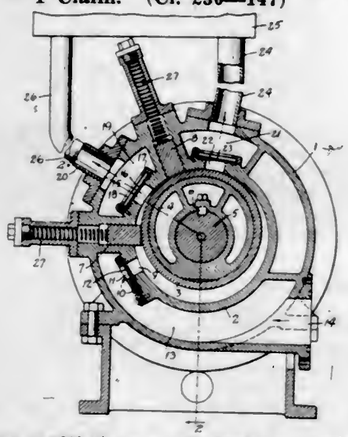
grooves, foraminous material supported upon and secured to said connections, and means for heating the walls of said chamber.

1,983,996
BOTTLE CAPPER
Harold G. Rice, Evanston, Ill., assignor, by mesne assignments, to Indestro Manufacturing Corp., Chicago, Ill., a corporation of Illinois
Application September 1, 1931, Serial No. 560,572
5 Claims. (Cl. 226—84)



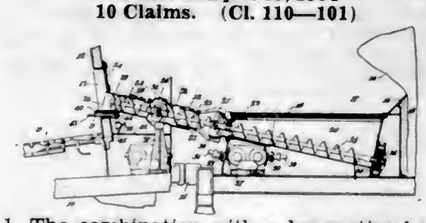
1. In a device of the class described, the combination of a support, a bearing carried thereby, a capping member reciprocally carried by said support and having rack teeth formed thereon, a shaft rotatably mounted in said bearing and having a pinion formed thereon, said pinion being normally in cooperative relation with said rack, a handle carried by said pinion, and means for locking said pinion and capping member in elevated position, said means comprising a resilient member interengaging between said shaft and said bearing and rendered effective or ineffective by movement of said shaft.

1,983,997
MULTISTAGE ROTARY COMPRESSOR
Walter G. E. Rolaff, Kirkwood, Mo.
Application November 17, 1930, Serial No. 496,283
1 Claim. (Cl. 230—147)



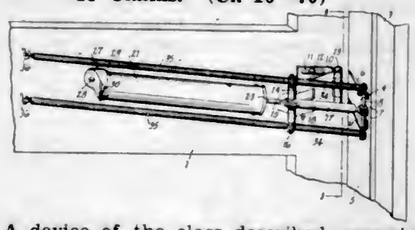
A rotary, multi stage compressor, comprising a cylinder, a rotor of smaller diameter than the cylinder and eccentrically mounted therein for rolling movement over the wall of the cylinder, said cylinder having low pressure suction and discharge ports, a high pressure suction port communicating with the low pressure discharge port, and a high pressure discharge port, and a plurality of blades yieldingly mounted in the wall of the cylinder and cooperating with the surface of said rotor and positioned in the cylinder to separate the low pressure suction and discharge ports from the high pressure suction and discharge ports.

1,983,998
STOKER
Frank P. Roesch, Chicago, Ill., assignor to Standard Stoker Company, Incorporated, a corporation of Delaware
Application April 9, 1927, Serial No. 182,193
Renewed April 19, 1934
10 Claims. (Cl. 110—101)



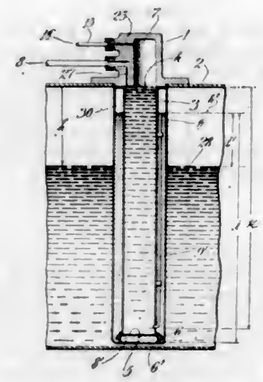
1. The combination with a locomotive having a fire-box provided with a firing opening in its backwall, of a tender, and a stoker adapted to convey and elevate coal from the tender to said fire-box, comprising a conveyor screw substantially straight and inclined throughout its entire length from the tender to the firing opening, a distributor head, said head extending through the firing opening and located below the upper end of the conveyor screw, and a housing for said conveyor screw, one end of which extends to the firing opening.

1,983,999
DOORCHECK
Rome C. Seyforth, Lowell, Mich.
Application October 5, 1933, Serial No. 692,261
13 Claims. (Cl. 16—70)



1. A device of the class described comprising in combination a door casing bracket having horizontal side flanges and intermediate spaced ears, a pin disposed through said flanges and ears, a door bracket provided with means for adjustably mounting upon a door, an arm slotted at its outer end pivotally mounted on said door bracket, a pin on the outer end of said arm, an expansible link comprising a pair of telescoping members, one engaged with said pin on said door casing bracket between said ears and the other with said pin on said arm within said slot thereof, tension springs connected to the ends of said pins, a dashpot cylinder adapted for attachment to a door, a plunger coacting therewith and provided with a plunger rod engaged with said pin on said arm centrally thereof, and tension springs adapted for attachment to a door and secured to the ends of said pin carried by said arm.

1,984,000
LIQUID LEVEL INDICATOR
Glenn L. Sherwood, Niles, Mich., assignor of one-half to Alfred T. Lyman, Chicago, Ill.
Application November 10, 1930, Serial No. 494,662
10 Claims. (Cl. 73—54)



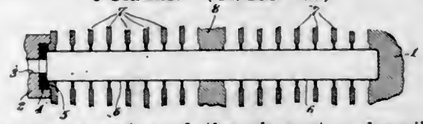
1. In a device of the type described, the combination of a tank, a chamber extending downwardly in said tank and closed at its lower end, suction means opening into the upper end portion of said chamber for drawing liquid from the tank into said chamber, a second chamber also extending downwardly in said tank, a suction conduit connecting the lower end portion of said first-named chamber with the upper end portion of said second chamber and of such restricted size that the conduit is kept substantially filled with liquid while liquid is being drawn by a suction effect through said chambers and is kept substantially filled with air when the supply of liquid in the tank has become substantially exhausted and that when either air or liquid fills the conduit a head of liquid is normally maintained in said first named chamber by the influence of a partial vacuum therein, said second chamber opening at its lower end into the tank, a pressure responsive gauge, and means effectively connecting said gauge with the upper end portion of said first-named chamber.

1,984,001
CLOTHIER'S RACK
Jacob Tanzer, David Smith, and Joseph Arenstein, New York, N. Y.; said Smith and said Arenstein assignors to said Tanzer
Application January 31, 1934, Serial No. 709,076
3 Claims. (Cl. 211—182)



1. A clothing rack having the combination of a pair of posts, a tube projecting from each of said posts, said tubes forming a telescopic structure to provide an extensible rack bar, a flange seated in one of said posts, a rod secured to said flange extending through one of said tubes and having an abutment, and the other of said tubes having means to strike said abutment to limit the extension of said rack bar.

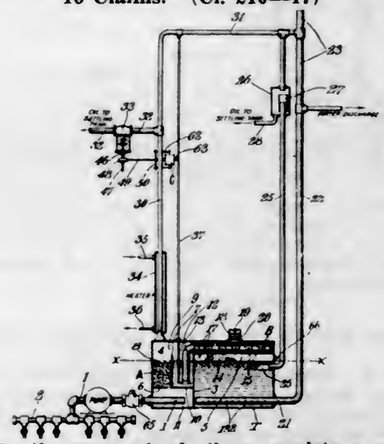
1,984,002
METHOD OF AND APPARATUS FOR CORRUGATING METALLIC TUBES
Marshall H. Ward, Fairfield, Conn.
Application June 23, 1931, Serial No. 546,198
6 Claims. (Cl. 153—73)



1. An apparatus of the character described, including in combination, head members for holding a tubular blank, a plurality of spaced sets of movable dies or forming members with a blank member positioned between adjacent sets and adapted to receive said tubular blank, and means for applying a deforming pressure to said tubular blank whereby a plurality of spaced sets of corrugations are formed in said tubular blank at one operation.

4. A method of forming resilient walled corrugated tubular elements, which comprises, positioning a tube within a plurality of sets of spaced die members and a spacing blank member therebetween, subjecting the tube to internal fluid pressure and external longitudinal pressure, and collapsing the tube into a corrugated tube having an unformed space between the sets of corrugations.

1,984,003
PURIFICATION OF LIQUID
John T. Welsh, Ridgway, Pa.
Application November 21, 1929, Serial No. 408,695
16 Claims. (Cl. 210—47)

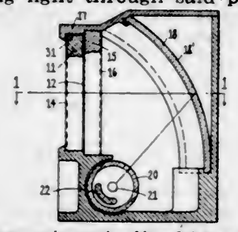


5. In the removal of oil or emulsions or oily matter from water, the step comprising passing the mixture downwardly through a non-filtering mass of solids floating and submerged in oil.

1,984,004
MEANS FOR PRESENTING PICTURES
Ernest Wildhaber, Brooklyn, N. Y.
Application January 18, 1929, Serial No. 333,500
10 Claims. (Cl. 88—1)

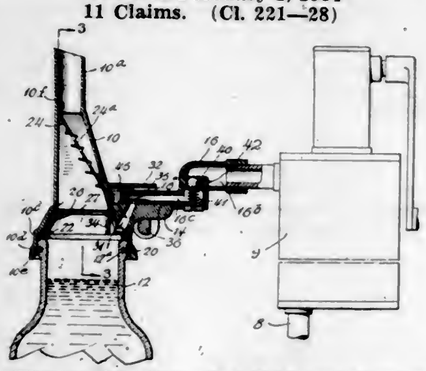
3. In a device for presenting pictures adjacent the surface on which they are recorded, a picture carrier bearing a plurality of pictures recorded on different points of the same picture area, said recorded pictures having the size in which they are to be presented, a refractive element containing parallel cylindrical lens surfaces, means for mounting said picture carrier and said refractive element adjacent each other with said lens

surfaces facing in a direction opposite to the viewing direction of the observers, a source of light for transmitting light through said picture carrier,



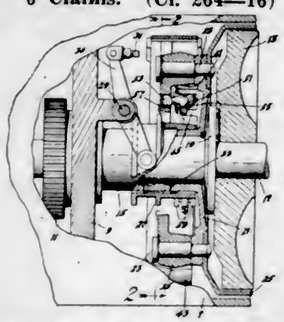
and a concave mirror inclined to said picture carrier and disposed in the path of light between said light source and said picture carrier.

1,984,005
FLUID DISPENSING APPARATUS
Marvin S. Young, Scarsdale, N. Y., assignor, by mesne assignments, to Socony-Vacuum Corporation, a corporation of New York
Application November 6, 1930, Serial No. 493,725
Renewed February 1, 1934
11 Claims. (Cl. 221—28)



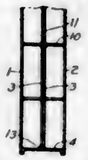
1. The combination of a fluid container with an inlet, a filling nozzle provided with a fluid passage, means for forcing said nozzle into fluid-tight engagement with said inlet, and means, within said fluid passage, for retracting the fluid therein after completition of a filling operation, to prevent dripping from the nozzle upon removal of the container.

1,984,006
HOOP GOVERNOR WITH DOUBLE ACTING WEIGHT
John O. Almen, Royal Oak, and John Dolza, Flint, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 11, 1932, Serial No. 621,764
6 Claims. (Cl. 264—16)



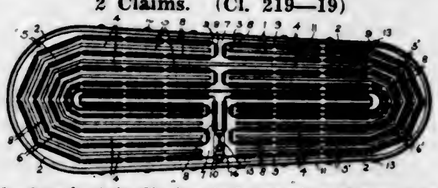
1. In combination, a hoop-shaped spring, a plurality of weights engaging said spring, pivot means for said weights adjacent one end of each, stop pins adjacent the other ends of said weights, motion-transmitting means connected to said weights and rotatable means carrying said pivots and stop pins, and by its rotation producing the pivotal movement of said weights.

1,984,007
UNIT OF INSULATION
Arland Wade Babbitt, New Brighton, N. Y.
Application March 4, 1932, Serial No. 596,762
3 Claims. (Cl. 189—34)



2. The combination with a sealed compartment having substantially parallel walls, of an intermediate partition positioned between said walls and having struts located back to back and extending outward from said partition to engage the parallel walls, said struts pointed at their outer or engaging ends.

1,984,008
ELECTRICALLY HEATED PRESSING AND IRONING ELEMENT
Frank E. Baker, Syracuse, N. Y., assignor of one-half to Louis Will, Syracuse, N. Y.
Application October 18, 1929, Serial No. 400,652
Renewed October 19, 1934
2 Claims. (Cl. 219—19)



1. An electrically heated pressing element having a cross channel intermediate its ends and separate sets of U-shaped channels extending in opposite directions from the cross channel, an imperforate presser plate extending across the open sides of all of the channels, separate sets of tubular insulator sections arranged in the U-shaped channels at opposite sides of the cross channel, and an electric heater wire passed continuously through the tubular insulators of both sets and having its terminals arranged in the cross channel.

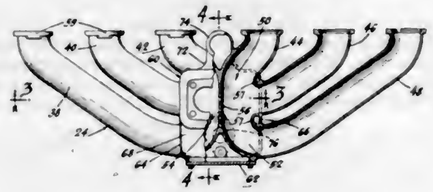
1,984,009
METHOD OF TREATING CHOCOLATE
George Ralph Baker and George Donald Wilson, Willesden Junction, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application July 15, 1932, Serial No. 622,673
In Great Britain July 25, 1931
9 Claims. (Cl. 91—68)



1. The method of treating chocolate for employment as a coating for confectionery which

comprises delivering the chocolate to the goods to be coated in a curtain approximating the thickness of the coating on the goods, temperature treating the curtain on both sides, while passing it over solid starter chocolate so as to promote graining or partial crystallization of both sides of the coating curtain.

1,984,010
ENGINE MANIFOLD
Aurel A. Catlin and Horace W. Asire, Detroit, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1933, Serial No. 652,257
6 Claims. (Cl. 123—52)



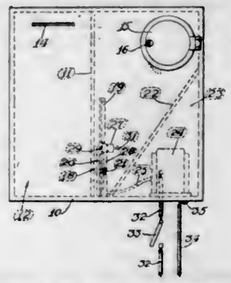
1. In a manifold for multi-cylinder internal combustion engines a partition dividing said manifold into substantially symmetrical halves, a wall at the bottom of the partition on both sides thereof, a plurality of individual arms on said manifold, one arm for each cylinder, the outer ends of all the arms being in a straight line, all of the arms lying in the same horizontal plane and having their axes diverging from the manifold in a fan shaped manner, each of said arms connected with one of said halves, said partition equally dividing said arms into two groups, the flow of gaseous fuel in each group being always in the same direction and over the said wall to decrease turbulence.

1,984,011
GARMENT
Harry A. Cornblum, Cleveland, Ohio
Application May 22, 1933, Serial No. 672,101
4 Claims. (Cl. 2—106)



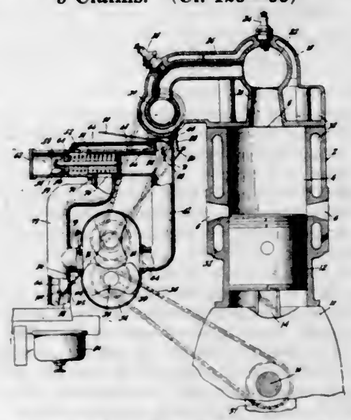
1. In a garment of the character described having a hem formed at the bottom thereof, elastic members disposed within said hem and removably secured to the garment, and means whereby said members may be secured to each other in stretched or unstretched condition, so as to effect at will a shirred or unshirred condition of said bottom, said means comprising fastener elements arranged in pairs on each of said elastic members, with one of said elements in each pair located at the extreme ends of said elastic members.

1,984,012
SAFETY DEPOSIT BOX
John Drenthe, Chicago, Ill.
Application March 24, 1933, Serial No. 662,439
5 Claims. (Cl. 177—316)



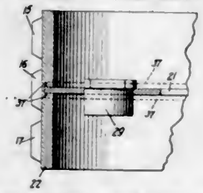
1. A safety storage box or receptacle having a door opening of a size to just admit the insertion of the hand and arm of a person therethrough, a closure therefor, two compartments within the receptacle one of which constitutes a storage compartment and provided with an opening communicating with the other compartment, a shiftable closure for the last said opening and concealed within the receptacle, and means within the receptacle and including a normally open electric circuit, the last said closure being included in said circuit and disposed out of alinement with the said door opening, said circuit being closed by contact of a hand with the last said closure of a person's hand which is inserted through the first said opening, and a switch device also included in said circuit.

1,984,013
TWO-STROKE CYCLE ENGINE
Marion L. Fast, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 9, 1931, Serial No. 528,850
5 Claims. (Cl. 123—65)



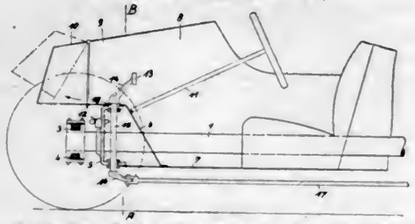
2. In a control for a two-cycle internal combustion engine having a carburetor, an admission valve, and a blower, a first throttle between the blower and the valve, a second throttle between the carburetor and the blower, means to operate said throttles, said means operating said second throttle faster than said first throttle, said means having a lost motion connection with said second throttle whereby said means will at times be operative to move said first throttle without moving said second throttle.

1,984,014
PRINTING INSTRUMENTALITIES FOR TYPEWRITING MACHINES
Charles A. Fuchs, Hollis, N. Y., and Henry Resch, Bayonne, N. J., assignors, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application May 22, 1931, Serial No. 539,182
4 Claims. (Cl. 197—48)



1. In a typewriting machine, the combination of printing instrumentalities including a type carrier, and a hammer to co-operate therewith, said type carrier comprising a type segment composed of molded material, and a metal actuating segment, both segments being curved, and the metal segment being under stress tending to alter its curvature and having two spur-like flanges formed on the curved edge of said metal segment and extending along the entire edge, said flanges extending in opposite directions from the parallel faces of the metal segment and embedded in in the type segment.

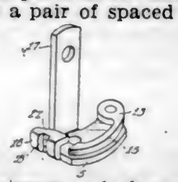
1,984,015
PEDAL ARRANGEMENT FOR VEHICLES
Joseph Ganz, Frankfort-on-the-Main, Germany
Application October 18, 1932, Serial No. 638,339
In Germany October 21, 1931
3 Claims. (Cl. 180—77)



1. A device of the character described comprising a chamber mounted at the front of an automobile, a foot-board in said chamber for supporting the feet of a driver, a wall extending from the top of said foot-board in a substantially horizontal direction, a shaft mounted substantially vertical to and passing through said horizontal wall, a stuffing box provided between said shaft and said wall to prevent the entry of rain, wind, dirt and the like, a lever connected with said shaft and extending at an oblique angle, and a pedal secured to said lever and located above the foot-board and in a position which is substantially in a straight line with the leg of a driver, said foot-board and said lever and associated parts being completely enclosed in said compartment.

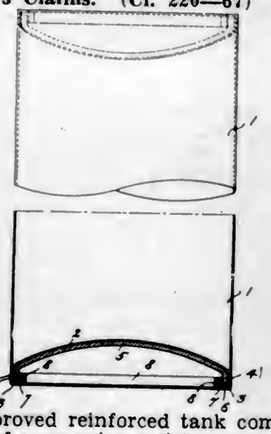
1,984,016
CONNECTER
Walter P. Gisske, Chicago, Ill.
Application May 12, 1932, Serial No. 610,870
5 Claims. (Cl. 173—361)

2. A plug-in connecter for electric cords having a body of insulating material apertured to receive electric conductors, a pair of metal members mounted on said body and having connnecting prongs projecting therefrom, and means for connecting the conductors to said members comprising upturned portions on said members cut away to provide a pair of spaced shoulders with



a hollow therebetween, a lock member mounted opposite said shoulders and having a point swingable past said shoulders into the hollow to force a conductor placed across said shoulders to bend into the hollow.

1,984,017
WATER BOILER
Anthony Joseph Hanlon, New York, N. Y., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application October 17, 1932, Serial No. 638,166
3 Claims. (Cl. 220—67)

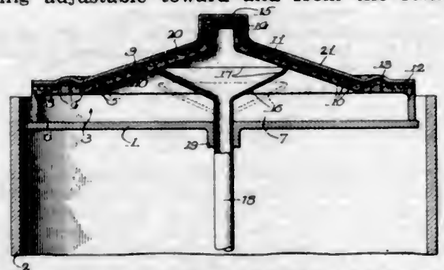


1. An improved reinforced tank comprising a shell made of a corrosion resistant metal, a head made of said corrosion resistant metal and fixedly secured within said shell at each end thereof, said head having an inwardly concave shape, a reinforcing head fitting adjacent to said corrosion resistant metal head and being located outside of said shell, said reinforcing head being made of a strong metal, a flange connected to said shell and formed inwardly around the end of said reinforcing head to hold it in position and a locking ring fitting snugly within each end of said shell against said flange to lock the same in position.

1,984,018
ART OF AND MEANS FOR MAKING SOUND PRODUCING ARTICLES
Jesse B. Hawley, Geneva, Ill.
Application July 20, 1931, Serial No. 551,965
7 Claims. (Cl. 92—57)

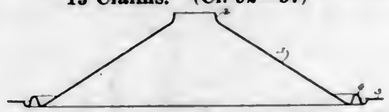
1. In a process of making sound producing articles, the step of producing a predetermined portion of the article by forming a stratum of fibrous material upon a coextensive portion of a porous former while said former is at rest, and completing the article by forming a stratum of fibrous material upon the entire area of said former including the uncoated area thereof and integrating it upon the first mentioned stratum while the former is at rest.

6. A former for making fibrous articles comprising a porous former body having a contoured surface for accretion and integration thereon of fibrous material, and a hollow suction member cooperating with said former body, said member being adjustable toward and from the former



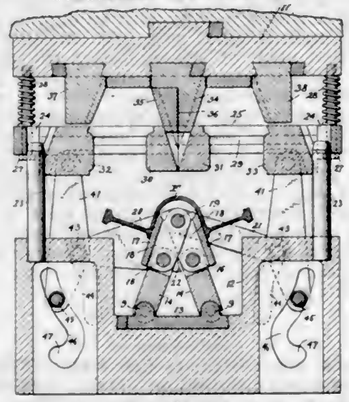
body and so constructed and arranged as to effect fractional accretion and integration of fibrous material on said former body in accordance with its position with respect thereto.

1,984,019
FIBROUS SOUND REPRODUCING DIAPHRAGMATIC MEMBERS AND MEANS FOR AND METHOD OF MAKING THE SAME
Jesse B. Hawley, Geneva, Ill.
Application May 25, 1932, Serial No. 613,486
13 Claims. (Cl. 92—57)



1. A sound reproducing member comprising vibratile and supporting portions of integrated fibrous material, the material of the vibratile portion being so integrated as to be stiffer than that of the supporting portion.

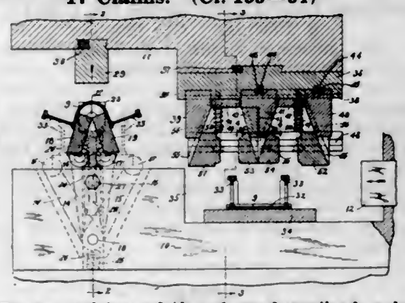
1,984,020
METHOD AND MACHINE FOR FORMING CHANNEL-SHAPED ARTICLES
Howard F. Johnson, Cleveland, Ohio, assignor to The Champion Machine & Forging Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1931, Serial No. 556,828
20 Claims. (Cl. 153—13)



1. In a press for shaping and finishing forgings, a two-part table hinged at the joint, means tending to hold the table folded in an inverted V condition, a two-part plunger positioned above said table, means for lowering said plunger to engage a forging positioned upon the folded table to flatten out the forging and the table, and means for spreading apart the elements of the two-part plunger after the table has assumed its flattened position.

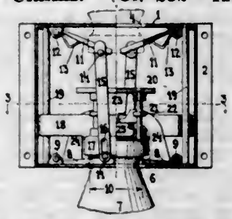
20. The method of forming a channel-shaped article from a blank having a body portion comprising a middle concavo-convex part and flat outer parts arranged at a predetermined angle, which comprises engaging the convex side of the blank against a flat member, engaging the flat outer parts of the concave side of the blank against expansible members hinged together and having bearing surfaces spaced outwardly from the hinge and arranged at the said predetermined angle in order to fit the blank, and causing said flat member and said expansible members to approach each other and said expansible members to swing upon their hinge, whereby the bearing surfaces of the expansible members gradually approach each other while sliding upon the flattening concave part of the blank.

1,984,021
MACHINE FOR FORMING FORGINGS
Howard F. Johnson, Cleveland, Ohio, assignor to The Champion Machine and Forging Company, Cleveland, Ohio, a corporation of Ohio
Application May 2, 1932, Serial No. 608,665
17 Claims. (Cl. 153—34)



1. In a machine of the class described, a horizontal bearing plate adapted to support a forging having spaced side walls in such manner as to permit slight horizontal movement of the forging, a forming die for each outer wall of the forging and a pair of forming dies for the inner walls thereof, means for inserting and withdrawing said pair of dies, an abutment for one of said outer dies, and a ram movable horizontally to press the other of said outer dies toward said abutment and exert force therethrough and through the remaining dies and the walls of the forging to form the latter.

1,984,022
BOTTLE HOLDER
Alfred Lestin, Vienna, Austria, assignor to Adolf Giesl-Gieslingen, New York, N. Y.
Application February 17, 1933, Serial No. 657,217
In Austria February 17, 1932
9 Claims. (Cl. 232—41)



1. In a bottle holder, the combination with a housing, of a locking device for a full bottle, a

second locking device for an empty bottle, and means whereby the second locking device is released by inserting a bottle in the first, while the first cannot be released by inserting a bottle in the second.

1,984,023

PROCESS FOR TREATING DISPERSIONS

Hyman Limburg, Amsterdam, Netherlands, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Application February 20, 1929, Serial No. 341,573

2 Claims. (Cl. 134—1)

1. The step in a process for treating aqueous bituminous dispersions comprising adding to said dispersions an alkali salt of an amphoteric element.

1,984,024

PROCESS FOR TREATING DISPERSIONS

Hyman Limburg, Amsterdam, Netherlands, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Original application February 20, 1929, Serial No. 341,573. Divided and this application July 23, 1930, Serial No. 470,243

6 Claims. (Cl. 134—1)

1. The process which comprises mixing an aqueous bituminous dispersion with a volatile alkaline reagent and with a potential coagulant brought to active coagulating condition upon evaporation of said volatile reagent, applying said treated dispersion in the form of a film and permitting said volatile reagent to evaporate from the film whereby to cause acceleration of coalescence of the dispersed bitumen particles before complete removal of the water from the dispersion film.

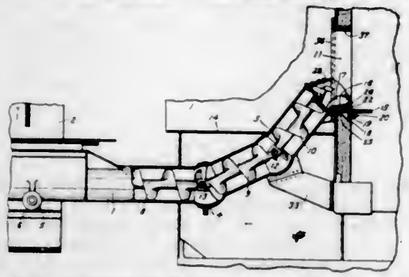
1,984,025

STOKER FUEL DISTRIBUTING APPARATUS

Henry E. Lippert, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application January 23, 1929, Serial No. 334,407

12 Claims. (Cl. 110—101)



1. In a locomotive having a backhead provided with a firing opening, fuel distributing means projecting in said opening, a conduit section in communication with said opening, a screw section in the conduit section for delivering fuel to said opening and discharging it forward to said distributing means, the discharge end of the screw section being tapered to a diameter smaller than that of its remaining portion, and a dividing rib in the path of the fuel for directing the flow of fuel to said distributing means, said rib being positioned beneath the tapered end of said screw and substantially central thereof.

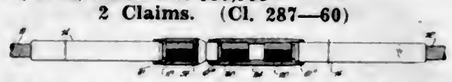
1,984,026

CONNECTER

Thomas J. Little, Riverdale, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Original application January 21, 1931, Serial No. 510,150. Divided and this application January 10, 1933, Serial No. 650,968

2 Claims. (Cl. 287—60)



1. A conductor coupling comprising a pair of terminals with threaded extremities, an adaptor with threads on the interior of the same hand as the threads on one terminal and having a shank with exterior threads of opposite hand to those on the other terminal and a connection sleeve having internal right and left hand threads for engagement with said shank and said other terminal.

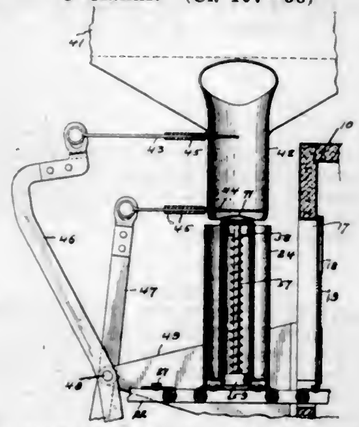
1,984,027

BAKING APPARATUS

George W. Lyons, Hamden, Conn., assignor to The General Mechanical Company, New Haven, Conn., a corporation of Connecticut

Application February 15, 1933, Serial No. 656,830

3 Claims. (Cl. 107—58)



2. In apparatus of the character described; a plurality of molds formed with an outer shell and an inner shell integral with and concentric with each other, each of the moulds being provided with a plunger within the inner shell, a platform within each mould that is fixed to one end of the plunger and extending across the open space between the inner and outer shells, a spring within the inner shell for normally holding the plunger in one of its positions, and means movable within a fixed part for ejecting an article from the mould, comprising a plunger that in timed relation with other parts will enter the inner shell and actuate the first mentioned plunger against the tension of said spring to move the platform within the mould.

1,984,028

WALL OR CEILING CONSTRUCTION

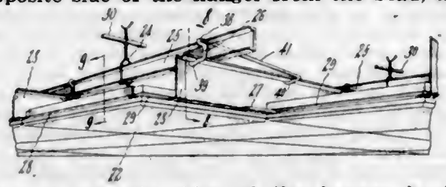
Keith Macleod, Brookline, Mass., assignor to F. E. Berry Jr. & Co. Inc., Boston, Mass., a corporation of Massachusetts

Application May 3, 1932, Serial No. 608,877

8 Claims. (Cl. 72—118)

1. A ceiling or wall structure comprising hangers having a tile supporting bead or flange projecting to one side and a key receiving channel

opening towards the opposite side, a key removably inserted into said channel to project to the opposite side of the hanger from the bead, and



tiles at opposite sides of the hanger having grooves in their edges between their faces adapted to receive said bead and the projecting portion of said key.

1,984,029

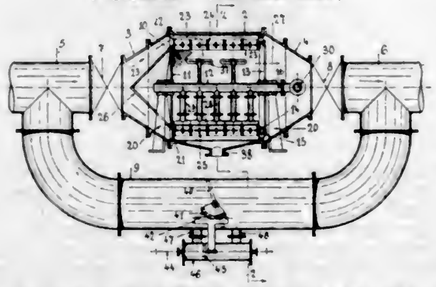
CLEANSING APPARATUS FOR WASTE WATER AND A METHOD OF OPERATING THE SAME

Richard Mensing, Neustadt/Haardt, Germany

Application September 20, 1932, Serial No. 633,999

In Germany January 8, 1931

7 Claims. (Cl. 210—199)



1. In combination in a water purifying apparatus, an enclosing casing, a rotatable sieve drum in said casing, an open and a closed end on said sieve drum, circumferentially spaced plates radiating from said sieve and movable therewith, a central hollow shaft on which said sieve drum ends are rotatably mounted, means for driving said sieve drum, spraying nozzles directing cleansing streams radially through said sieve at one point in the travel thereof, packing means on said nozzles and on the casing opposite said nozzles and packing members on the circumferentially spaced plates co-operating with said packing members on the nozzles and casing and means connecting said nozzle stream to the hollow shaft.

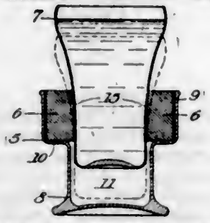
1,984,030

MEANS FOR SERVING COCKTAILS AND THE LIKE

John B. Nixon, Butler, Pa.

Application September 22, 1932, Serial No. 634,348

6 Claims. (Cl. 62—142)



1. In means for serving cocktails and the like, the combination with a container, of a separable preformed block of ice or solid refrigerant having a surface shaped in conformity with a portion of the outer surface of the container adapted to entirely support the container, and a receptacle for the container and block, said receptacle having a block supporting member upon which the block is positioned while in contact with and supporting the container.

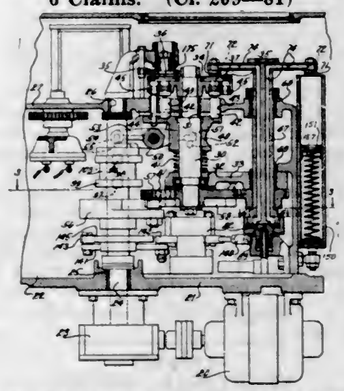
1,984,031

APPARATUS FOR TESTING AND SORTING ARTICLES

Chester A. Purdy, Oak Park, Ill., and Robert E. Park, Jr., Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 8, 1930, Serial No. 494,224

6 Claims. (Cl. 209—81)



1. In an apparatus for testing and sorting articles, a conveying member for receiving the articles, means for testing the articles disposed upon said conveying member, a removing means normally effective for removing the articles tested upon said conveying member, a second removing means for removing defective articles from said conveying member, means responsive to the test of a defective article for rendering said first named removing means ineffective and rendering said second named removing means effective for removing the defective article from said conveying member, and means comprising continuously rotating sequence switches and electromagnets associated therewith for rendering said first named removing means effective whereby an article may be removed from said conveying member by said first named removing means simultaneously with the removal of the defective article by said second named removing means.

1,984,032

FURNACE CHARGER

Emmet C. Reilly and Harley D. Pennington, Pittsburgh, Pa., assignors to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 7, 1933, Serial No. 679,360

8 Claims. (Cl. 214—26)



1. A charging machine for furnaces, comprising a portable platform adapted to be rested upon the floor in front of a furnace, a pair of spaced rails mounted longitudinally of said platform, a truck equipped with side wheels mounted on said platform with said wheels engaging said rails, a charging box support mounted for vertical adjustment on said truck, means interposed between

the truck and said box support for raising and lowering the latter, means connected between said platform and truck for moving the latter longitudinally of the platform, and means mounted on said truck for selectively actuating said box support and truck-adjusting means.

1,984,033
VIBRATION ABSORBER FOR STEERING WHEELS

Thomas Ritchie, Locust Valley, N. Y.

Application July 10, 1933, Serial No. 679,649
1 Claim. (Cl. 74—557)

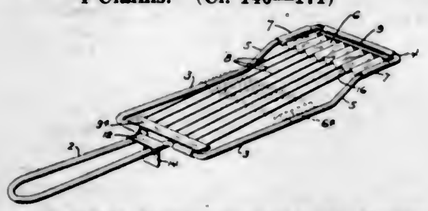


As an article of manufacture, a steering wheel provided with a rim portion having a reduced area covered with vibration absorbing material such as sponge rubber, said covering having end flanges, an outer friction cover on said sponge rubber having the ends thereof contacting said flanges, collars mounted upon and inset in said rim portion adjacent each of said flanges, means whereby said collars may be partially slid over said flanges and the ends of said outer friction covering when the latter becomes worn, and means for releasably locking said collars in positions of use.

1,984,034
VEGETABLE SLICER

John F. Ryan, San Francisco, Calif., assignor to Neway Specialty Manufacturing Company, San Francisco, Calif., a copartnership consisting of John F. Ryan and P. R. McGrath

Application December 20, 1933, Serial No. 703,191
4 Claims. (Cl. 146—171)



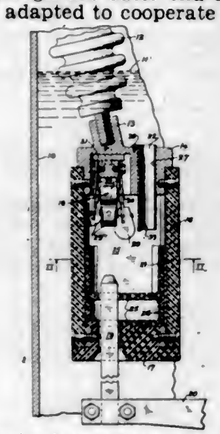
1. A vegetable slicer comprising an elongated frame, a plurality of spaced wires extending from end to end of the frame and forming a support and guide for a vegetable to be sliced, a knife disposed at one end of the frame and positioned crosswise thereof, said knife presenting a vertically corrugated cutting edge with the major portions of the corrugations disposed above the wires to slice the vegetable into a plurality of strips when the vegetable is moved longitudinally on the wires against the knife, a handle on the frame whereby it may be grasped, and a stop member at the inner end of the handle and engageable with a support upon which the vegetable slicer is placed and when engaging said support securing the slicer against endwise movement.

1,984,035
CIRCUIT INTERRUPTER

August C. Schwager, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California

Application May 8, 1934, Serial No. 724,505
5 Claims. (Cl. 200—150)

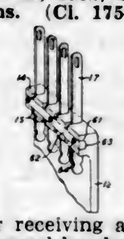
5. In a circuit interrupter of the fluid-break type, the combination of a contact supporting member adapted to be submerged in an insulating fluid, an outwardly disposed annular flange forming an opening through which fluid may circulate, a stationary contact mounted upon said supporting member and extending into the opening provided in said annular flange, an open ended tubular member of insulating material secured to said annular flange and extending outwardly from said stationary contact to form an arc extinguishing chamber, a movable contact extending through the outer end of said tubular member and adapted to cooperate with said stationary contact, closure means at the outer end of said tubular member having a central opening through which said movable contact moves and cooperating with said movable contact to substantially close the outer end of the arc extinguishing chamber formed by said tubular member, and an auxiliary conductor extending into said tubular member and partially closing the opening through said annular flange adapted to conduct an arc formed within said chamber away from said stationary contact and into the gas discharged from said chamber by a decomposition of the insulating fluid therein.



1,984,036
ELECTRICAL INSULATING DEVICE HAVING A TERMINAL THEREON AND A METHOD OF MAKING IT

Harry Schwartzmann, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 12, 1932, Serial No. 637,497
9 Claims. (Cl. 175—21)

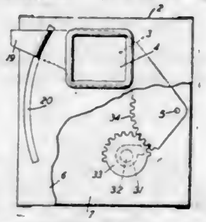


1. In a spool for receiving a winding for an electrical device, a spool head of insulating material having an integral outwardly projecting shelf like extension with a plurality of deep narrow slots therein at right angles to said shelf like extension, a channel extending in said shelf like extension and parallel thereto, ridges integral with said extension extending within the slots, a plurality of flat terminals assembled in said slots and extending through said extension and each having a recess in the inner side thereof for engaging with the ridges in said slots, and another recess in the outer side thereof, and a clamping strip in said channel for engaging with the recess in the outer side of each of said terminals to secure said terminals in the slots in said shelf like extension.

1,984,037
COIN RECEPTACLE COVER

Oscar A. Shann, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 8, 1932, Serial No. 597,498
9 Claims. (Cl. 232—15)



1. A coin receptacle having a coin receiving opening therein, a shutter for said opening, means for locking said shutter in closed position, said locking means comprising a cam controlled by said shutter, a pawl to engage and lock said cam when said shutter is in closed position, and means to hold said locking pawl in unlocked position, said holding means being controlled by said cam to release said locking pawl.

1,984,038
ELECTRICAL CABLE AND CORD

Gilbert B. Shaw and Earl G. Sturdevant, Bristol, and Carleton W. Short, East Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New York

Application May 20, 1933, Serial No. 671,982
8 Claims. (Cl. 173—264)



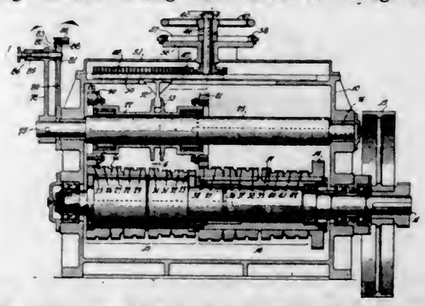
1. An electrical cable or cord having a plurality of electrical conductors embedded in and entirely surrounded by a unitary body of insulating material in predetermined spaced-apart relation, a stratum of different electrically non-conducting material substantially symmetrically disposed within the insulating material separating a pair of electrical conductors and equi-distantly spaced therefrom, said stratum being of substantially less dimension in a plane passing through said pair of electrical conductors than in a plane at right angles thereto whereby separation of the electrical conductors is facilitated without loss of their coatings of insulating material.

1,984,039
CHANGE SPEED GEARING

Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey

Application December 14, 1932, Serial No. 647,161
18 Claims. (Cl. 74—341)

18. A speed change gearing including a series of gears forming a stepped cone, a shaft having its axis parallel to said cone, a bracket mounted to swing on said shaft as a center and presenting a segment gear, a pair of gears of different sizes keyed on said shaft, said bracket having two arms, one on each side of said series of gears, a pinion on one arm meshing with one gear of said pair, a pinion on the other arm meshing with the other of said pair, said bracket and pair of gears being slidable along said shaft to bring either

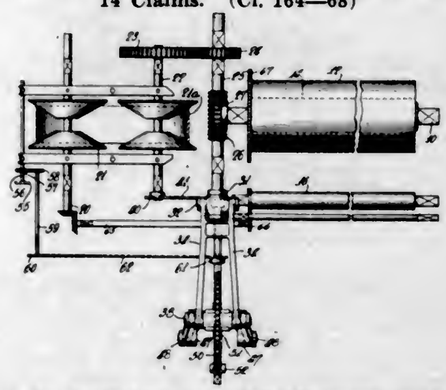


pinion into the plane of any gear of said series, and an elongated pinion meshing with said segment gear and rotatable for swinging said bracket in either direction to bring either of said first mentioned pinions into mesh with the gears of the series in the plane thereof.

1,984,040
CUT-OFF MECHANISM

Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J., a corporation of New Jersey

Application June 5, 1933, Serial No. 674,310
14 Claims. (Cl. 164—68)



1. An apparatus for subdividing continuously advancing sheet material transversely into sections, including a cut-off mechanism movable substantially in the same direction as the material at the instant of cutting, a drive shaft, a driving connection between said drive shaft and said cut-off mechanism, and including a worm and a worm wheel meshing therewith, and means for moving said worm axially during each cycle of operation of said cut-off mechanism for imparting to said cut-off mechanism a varying speed.

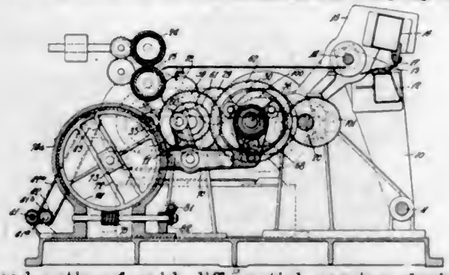
1,984,041
CONTINUOUSLY OPERATING CUT OFF MECHANISMS

Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J., a corporation of New Jersey

Application June 5, 1933, Serial No. 674,311
19 Claims. (Cl. 164—43)

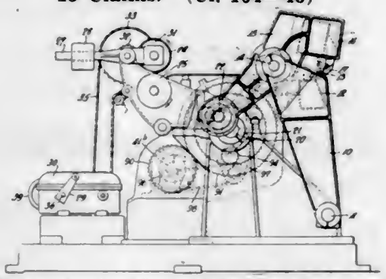
1. An apparatus for subdividing continuously advancing sheet material transversely into sections, including a cut-off mechanism movable

substantially in the same direction as the material at the instant of cutting, a differential gearing for imparting continuous movement to said cut-off mechanism, means for automatically operating said gearing during each successive cycle of operation of said cut-off mechanism for varying the



speed ratio of said differential gearing during each of said cycles, and means operable while the machine is running for adjusting said operating means to modify the variation in speed ratio of said differential gearing during each of said cycles.

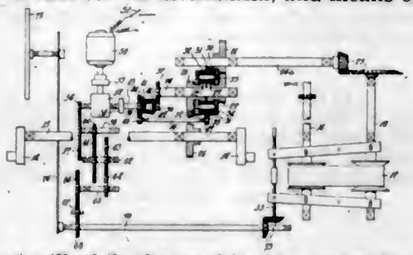
1,984,042
CUT-OFF MECHANISM
Samuel M. Langston, Wenonah, N. J., and Karl Sieg, Philadelphia, Pa., assignors to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey
Application May 12, 1933, Serial No. 670,710
15 Claims. (Cl. 164—43)



1. An apparatus for subdividing continuously advancing sheet material, including a cut-off mechanism, a driving member, a driving connection between said member and said cut-off mechanism for driving said cut-off mechanism through successive cycles at a speed varying from substantially zero with respect to said member up to a maximum and back to substantially zero during each cycle of operation, and means for stopping said driving member at the end of each cycle of operation of said cut-off mechanism when the speed of said mechanism reaches substantially zero.

1,984,043
CUT-OFF MECHANISM
Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Co., a corporation of New Jersey
Application February 15, 1934, Serial No. 711,342
21 Claims. (Cl. 164—49)

1. An apparatus for subdividing continuously advancing sheet material transversely into sections, including a cut-off mechanism movable substantially in the same direction as the material at the instant of cutting, two pairs of intermeshing gears in series for continuously driving said cut-off at variable speeds, one of said pairs being elliptical, means for rotating one gear of each of said pairs in the same direction and the same angular velocity during normal operation of said cut-off mechanism, and means operable at will while the machine is running for angularly adjusting one of said gears in respect to the other.



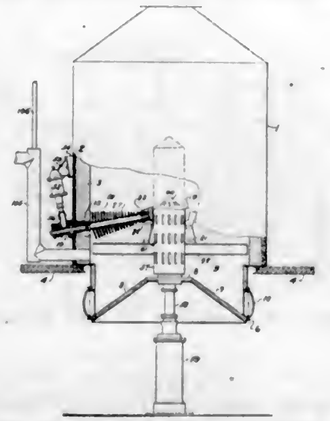
1,984,044
PROPELLER AND METHOD OF MANUFACTURING THE SAME
Heinrich Sukohl, Berlin-Waidmannslust, Germany
Application June 13, 1930, Serial No. 460,902
In Germany June 15, 1929
9 Claims. (Cl. 170—159)



1. The herein described method of manufacturing propellers, which consists in assembling a plurality of solid laminations of a soluble cellulose compound and a plurality of laminations of wood moistened with a solvent for said cellulose compound, said laminations of cellulose compound and wood being alternately superimposed upon one another, combining said laminations by pressure and at a temperature which is not obnoxious to wood while allowing superficial dissolution of said cellulose compound, and coating the said propeller with a medium adapted to combine with said cellulose compound.

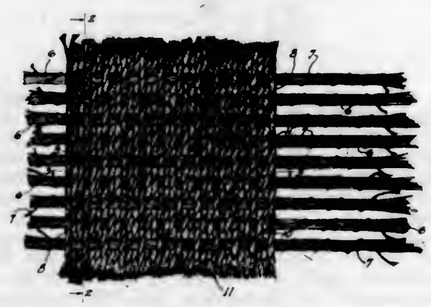
1,984,045
FUEL SUPPORT FOR GAS GENERATORS AND OTHER COMBUSTION APPARATUS
Frank W. Steere, Scarsdale, N. Y., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application November 15, 1927, Serial No. 233,471
9 Claims. (Cl. 126—181)

1. In a combustible gas generator, a grate within the generator adapted to support a fuel bed and comprising a plurality of members positioned radially with respect to the walls of said generator to provide an opening in the grate, a poker member arranged to be moved up through said opening, into the zone of the fuel bed above the gas-making zone and retracted from said zone



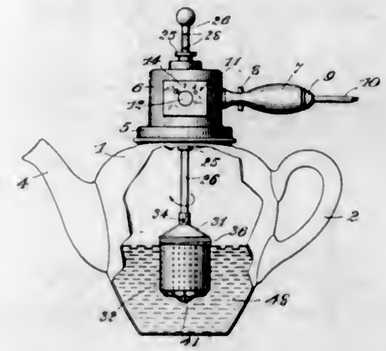
through said opening, and means for moving said poker member and said grate members.

1,984,046
COMBINATION GRASS AND WOOD FIBER RUG
Carl E. Steiger, Oshkosh, Wis., assignor to Deltox Rug Company, Oshkosh, Wis., a corporation of Wisconsin
Application November 14, 1932, Serial No. 642,491
1 Claim. (Cl. 139—424)



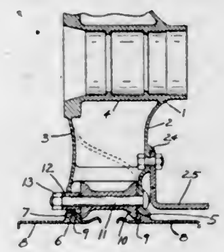
A woven rug, comprising a plurality of parallel weft strands, each being formed of a bunch of wisps of relatively stiff grass, and a plurality of parallel warp strands woven over and under adjacent weft strands and forming projections to project the weft strands, each alternate row of the warp consisting of a pair of independent but closely adjacent similarly laid strands and the strands of said double rows being woven over the weft strands which are passed under by the single warp rows thereadjacent and being woven under the weft strands which are passed over by said single warp rows thereadjacent whereby the projecting portions of the warp rows contact the projecting portions of adjacent portions of adjacent warp rows in diagonally extending lines, the exposed surface portions of the weft strands being in planes inwardly of the projecting portions of the warp strands so that said warp strands form the wearing surfaces of the rug, said warp strands being formed of non-stretching alpha fiber yarn having relatively great tensile strength and abrasion resisting qualities.

1,984,047
BEVERAGE MAKER AND METHOD
Otto Thieme, West Hartford, Conn.
Application June 10, 1933, Serial No. 675,164
12 Claims. (Cl. 53—3)



1. A device of the class described comprising a vessel for containing a liquid, a cover for the vessel, an electric motor supported thereby, a shaft depending from said motor, a foraminous beverage container provided with a screw threaded top, means for adjustably securing said top to said shaft, and control means for the motor for intermittently making and breaking the circuit of the motor.

1,984,048
METAL WHEEL
George Walther, near Dayton, Ohio
Application October 17, 1924, Serial No. 744,139
10 Claims. (Cl. 301—13)

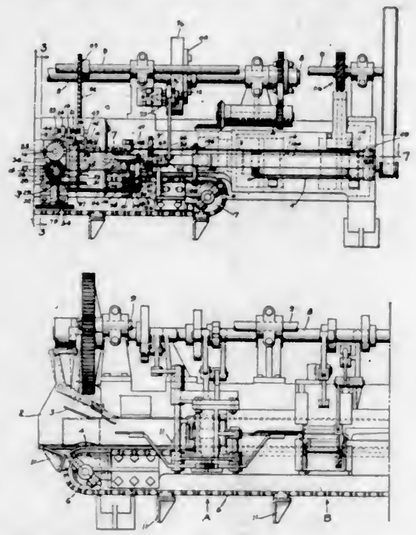


1. A metal wheel comprising a hub and hub extension, two tire rim seats on said extension, one of said seats being formed around its periphery with a single bevel, a tire rim on each seat, separate axial spacing members between said tire rims, and means passing through the axial spacing members for forcing said tire rims against said spacing members.

1,984,049
BAG CLOSING AND SEALING MACHINE
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware
Application June 7, 1932, Serial No. 615,827
23 Claims. (Cl. 93—6)

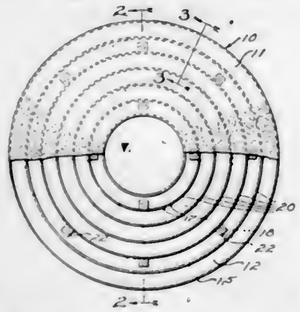
1. The combination with means for transversely folding the walls of an open bag top to close the bag, of means for gumming a surface of a wall of the partially closed bag top and a surface

of a wall of the bag body, and means for folding the gummed surface of the bag top flatly into



engagement with the gummed surface of the wall of the bag body to thereby seal the bag top.

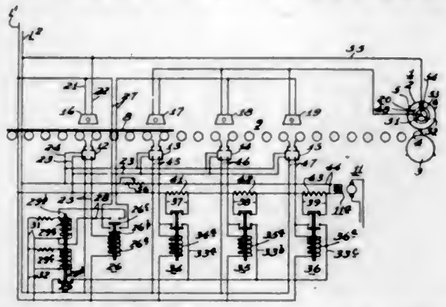
1,984,050
GRINDING WHEEL
Alan P. Beebe, Detroit, Mich., assignor to Peninsular Grinding Wheel Company, a corporation of Michigan
Application January 26, 1934, Serial No. 708,343
9 Claims. (Cl. 51—209)



1. A grinding wheel comprising a backing member including a disc of thin sheet metal and a plurality of annular members of thin strip metal each secured at an edge thereof to said disc and embedded in a disc of abradant material.

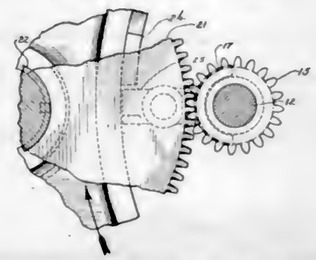
1,984,051
CONTROL SYSTEM FOR FLYING SHEARS
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 6, 1933, Serial No. 688,323
12 Claims. (Cl. 164—68)

1. In combination with means for feeding an elongate web into a flying shear or like work device, means for driving said feeding means, means responsive to the web and shear for varying the speed of the driving means, and other means responsive to the web for controlling



the extent of operation of said speed-varying means.

1,984,052
MACHINE TOOL DRIVING CONNECTION
Dudley B. Bullard, Southport, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application October 22, 1932, Serial No. 639,029
11 Claims. (Cl. 74—339)

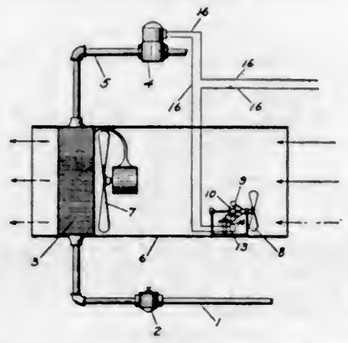


1. In a power-transmitting mechanism, a shaft, a gear translatable and rotatable concentric with said shaft, an even number of clutch teeth upon said gear, an alternate half of said clutch teeth being shorter than the other half, a clutch member fixed to said shaft, said clutch member having clutch teeth of a number and a length equal to the longer clutch teeth on said gear, a second shaft bodily movable with respect to the first mentioned shaft, a second gear upon the second shaft, means for translating the first mentioned gear first to partially engage its gear teeth with the second gear, subsequently to engage its long clutch teeth with the driving side of the clutch teeth of said clutch member and lastly to engage its short clutch teeth with the free side of the clutch teeth of said clutch member whereby the completion of the gear tooth engagement and the clutch tooth engagement occurs simultaneously.

1,984,053
AUTOMATICALLY-CONTROLLED REFRIGERATIVE SYSTEM
Thomas W. Carraway, Chicago, Ill., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application July 7, 1930, Serial No. 465,908
8 Claims. (Cl. 62—2)

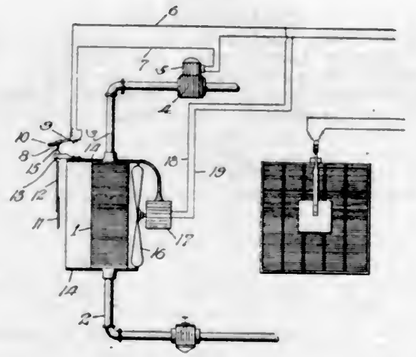
1. A refrigerative system comprising, in combination, a heat exchange unit in a refrigerant circuit; means in said circuit for controlling the flow of refrigerant; means for driving a current of air past said unit; means for directing the air to said driving means; and means in the path

of said directed air on the approach side of said driving means actuated in accordance with va-



riations in the velocity of said air for controlling the said first named means.

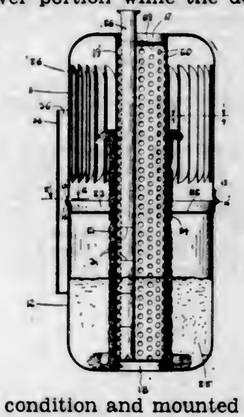
1,984,054
REGULATOR FOR REFRIGERATIVE SYSTEMS
Thomas W. Carraway, Chicago, Ill., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application September 8, 1930, Serial No. 480,594
9 Claims. (Cl. 62—3)



1. A refrigerative system comprising a heat-absorbing element in a refrigerant circuit; means in said circuit for controlling the flow of refrigerant; means on one side of said element for moving air therethrough; and means on the opposite side of said element in the path of the air flow and actuated in accordance with the variations in velocity thereof for controlling the first named means.

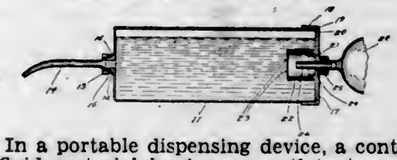
1,984,055
DEODORIZER
Harry Carter, Cincinnati, Ohio
Application August 10, 1934, Serial No. 739,263
2 Claims. (Cl. 299—20)

1. A deodorizer comprising an upper portion having louvers in the s des thereof and a depression in its top, a lower portion forming a reservoir for liquid to be evaporated, a wick extending from within the lower portion to within the upper portion, means to mount the portions in joined relationship on a wall surface, and means in the depression of the upper portion adapted to fill the lower portion while the deodorizer is in



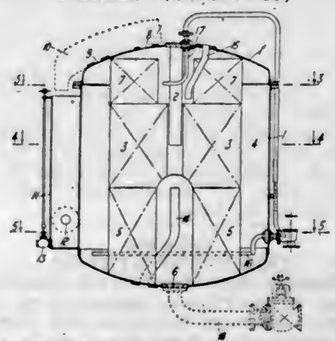
assembled condition and mounted in position on a wall.

1,984,056
APPLICATION OF COVERINGS TO PACKAGES AND THE LIKE
John A. Clemens, Providence, R. I., assignor to Davol Rubber Co., Providence, R. I., a corporation of Rhode Island
Application March 14, 1932, Serial No. 598,694
Renewed October 26, 1933
6 Claims. (Cl. 91—67.4)



1. In a portable dispensing device, a container for fluid material having an outlet at one end thereof, a detachable cap at the other end thereof, said cap having an air inlet, manually operable means for supplying air under pressure to said air inlet, and baffle means in said cap for shielding said air inlet from contact with said fluid material.

1,984,057
APPARATUS FOR SEPARATING LIQUIDS
Bernard Daly Comyn, Glasgow, Scotland
Application August 18, 1932, Serial No. 629,340
In Great Britain August 25, 1931
1 Claim. (Cl. 210—58)



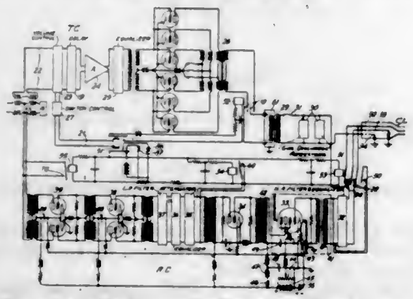
Apparatus for separating the constituents of a mixture of liquids comprising a container presenting an outer chamber for reception of the mixture of liquids, a cover for said container, a plurality of substantially equi-spaced vertical spiral guides for causing the mixture of liquids to

flow spirally in multiple streams from said outer chamber to the centre of said container, some at least of said guides extending to the cover of said container, an outlet in the cover of said container for the lighter constituent of the mixture, and a central outlet in the bottom of said container for the heavier constituent of the mixture.

1,984,058
SIGNALING SYSTEM ADOPTED FOR DEEP SEA TELEPHONE CABLES

Austen M. Curtis, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 29, 1929, Serial No. 382,011
12 Claims. (Cl. 178—63)



1. In a receiver circuit for a path of high attenuation, such as a submarine cable, in which the signal energy is close to the resistance noise energy level, an amplifier having in its initial stage a screen grid discharge tube for producing higher amplification in the signal than would be possible in one stage employing the three-element type of tube, an input transformer for such tube, and means for holding the noise generated in said initial stage substantially to a minimum, comprising means for shielding said stage from electrical and mechanical vibrations, including a damped mechanical mounting for said tube and said transformer.

1,984,059
METHOD OF MAKING COLORED BUILDING BLOCKS

Alessandro O. Dandini, San Francisco, Calif.

No Drawing. Application August 7, 1933 Serial No. 684,084
5 Claims. (Cl. 18—60)

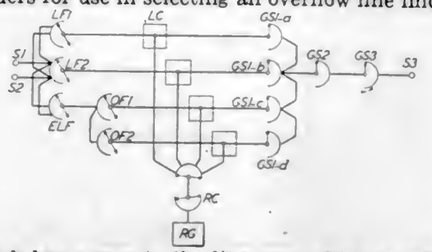
1. A method of making colored building blocks which includes the steps of making a moist mixture of a granular sandy body with a coloring material, coating the inner face walls of a mold with said mixture, pressing a plastic mass into the mold with sufficient pressure to form simultaneously a shaped block and to impregnate faces of the shaped block which are in contact with the inner faces of the mold with the moist mixture with which the inner walls of the mold are coated, removing the impregnated block from the mold, and subjecting the impregnated block to the step of baking by heat.

1,984,060
TELEPHONE SYSTEM

Gerald Deakin, New York, N. Y., and William Hatton, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 6, 1932, Serial No. 609,570
In France August 11, 1931
23 Claims. (Cl. 179—18)

1. In a telephone system, lines, a plurality of line finders for use in extending calls from said lines, overflow line finders for use in extending calls from said lines when a predetermined number of said plurality of finders are busy, secondary finders for use in selecting an overflow line finder



which has access to the line over which a call is being originated, and first selectors one for each of said plurality of finders and one for each of said secondary finders.

1,984,061
NITROCELLULOSE COATING COMPOSITION

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

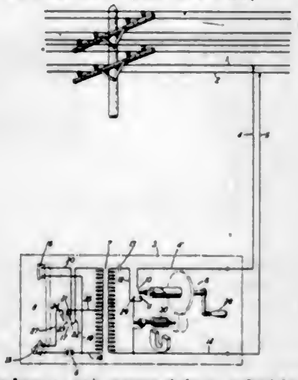
No Drawing. Application June 19, 1926, Serial No. 117,151. Renewed May 6, 1932
4 Claims. (Cl. 134—79)

1. A liquid coating composition containing low viscosity nitrocellulose carried in a vehicle comprising diacetone alcohol, a cracked petroleum viscosity reducer and diluent, and a secondary alcohol homogenizer.

1,984,062
TELEPHONE SET

John W. Foley, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 23, 1932, Serial No. 618,819
4 Claims. (Cl. 179—29)



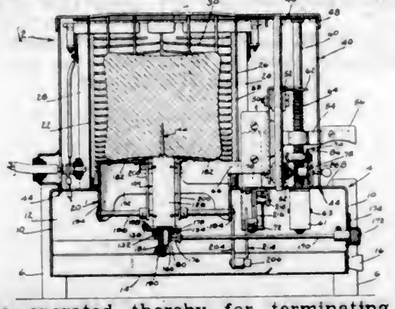
1. A telephone set comprising a bridge circuit to be directly connected to line wires, a handset including transmitter and receiver elements, a local battery, an induction coil inductively connecting said handset to said bridge circuit, and a switch in the handset for changing the effective length of one of the windings of the induction coil, the contacts of said switch being entirely within the circuit of the handset.

1,984,063
AUTOMATIC TOASTER

Maurice H. Graham, St. Louis Park, Minn.

Application October 7, 1931, Serial No. 567,427
52 Claims. (Cl. 219—19)

1. In a bread toaster provided with a heating element, means responsive to the temperature of the inside of a slice of bread being toasted, and

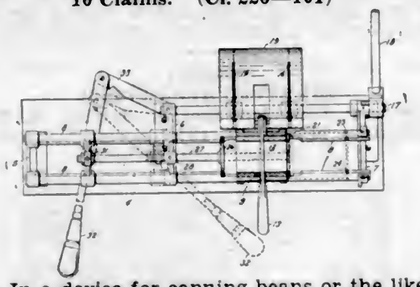


means operated thereby for terminating the toasting of the bread slice.

1,984,064
PACKAGING APPARATUS

Anthony Greco, Santa Clara, Calif.

Application April 18, 1932, Serial No. 605,943
10 Claims. (Cl. 226—101)



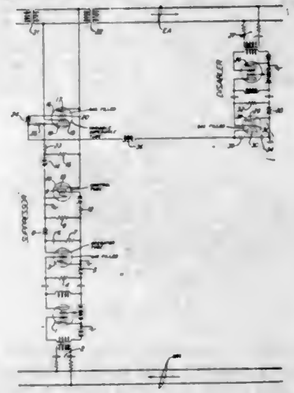
1. In a device for canning beans or the like, a frame, a tubular mold fixed to said frame, said mold comprising a plurality of relatively movable sections, a plunger mounted for movement into the mold for forcing material therefrom into a receptacle positioned adjacent the mold, and a receptacle positioning flange formed on the sections of said mold.

1,984,065
CIRCUIT FOR CONTROLLING TRANSMISSION IN SIGNALING SYSTEMS

Quentin E. Greenwood, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 28, 1933, Serial No. 682,579
3 Claims. (Cl. 178—44)

1. In combination, a transmission circuit, a source of alternating current signal waves, a normally unoperated gas-filled electric discharge device having a cathode, an anode, a grid electrode located between said cathode and said anode, and circuits therefor, the normal high impedance between the cathode and grid electrode being connected effectively in shunt with said transmission circuit, and means for establishing and maintaining at least while signal waves are being received from said source a direct current between the cathode and anode of said device sufficient to reduce said shunt impedance to a low value, said means comprising a three-electrode electric discharge device having its anode-cathode circuit in series with the anode-cathode circuit of said gas-filled device, and adapted to produce a substantially steady anode-cathode current of the required value whenever a direct current voltage above a certain minimum value is applied to its input circuit, and a third electric discharge device supplied with said alternating current signals and operating in response thereto

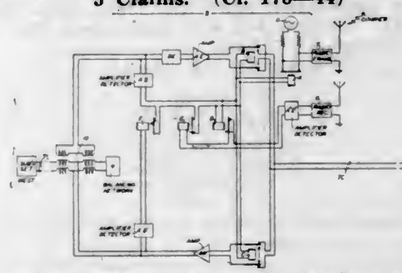


to apply at least said minimum voltage to the input circuit of said three-electrode device.

1,984,066
SIGNAL TRANSMISSION SYSTEM

Oliver B. Jacobs, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 27, 1931, Serial No. 525,644
5 Claims. (Cl. 178—44)



1. A two-way communication system comprising in combination a first terminal station and a second terminal station between which alternate transmission in opposite directions is to be had, a circuit connecting the terminal stations for transmission of signal currents, apparatus effective upon and controlled by the beginning of transmission of signal currents from the first terminal station to send courier current to condition apparatus at the second terminal station for reception of the signal currents, and instrumentalities for causing the courier current to arrive at the second terminal station before the arrival of the signal currents transmitted from the first terminal station, said instrumentalities including a radio link connecting the terminal stations and transmission apparatus for causing the courier current to traverse the radio link.

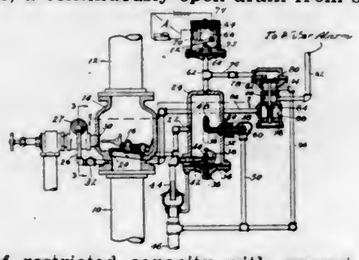
1,984,067
ALARM ACTUATING APPARATUS FOR SPRINKLER SYSTEMS AND THE LIKE

William A. Kennedy, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware

Application January 3, 1933, Serial No. 649,825
5 Claims. (Cl. 169—23)

5. Alarm actuating apparatus comprising a casing and a passage thereto from a liquid supply system; an outlet from said casing restricted

relative to said passage; a valve for said outlet; means responsive to a predetermined pressure developed in the casing for closing said valve; pressure responsive means connected with said casing and adapted, upon rise of pressure therein above said predetermined pressure, to actuate an alarm; a continuously open drain from said cas-



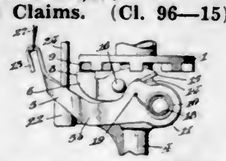
ing of restricted capacity with respect to said first mentioned outlet; and means for selectively positioning said open drain at such a level in said casing as to determine the volume of air entrapped in said casing in accordance with the period in which said alarm is to be actuated after stoppage of flow in said passage.

1,984,068
CARRIER FOR BRAIDING MACHINES

Max Krissiep and Herman Staub, Wyomissing, Pa., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Original application April 15, 1933, Serial No. 666,282. Divided and this application May 8, 1934, Serial No. 724,486

10 Claims. (Cl. 96—15)



1. In combination with a braiding carrier having a rotatable support for a yarn package; a rocking pawl and a lever for controlling the rotation of said package support and means operative to engage the pawl to lock the same against rocking on its axis independently of the lever, to prevent rotation of said package, when a yarn strand breaks.

1,984,069
COMBINATION FASTENER AND CONNECTER

Warren R. Larter, South Orange, N. J., assignor to Larter & Sons, Newark, N. J., a corporation of New Jersey

Application August 19, 1933, Serial No. 685,890

8 Claims. (Cl. 40—10)



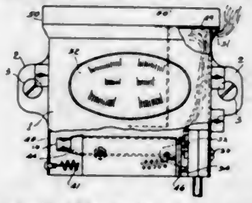
1. In a device of the character described, a pair of complemental sections pivotally connected intermediate their ends for relative movement into and from parallel planes, and each comprising a connecter part on one side of said pivot and a receptacle forming part on the other side of the pivot to separably cooperate with the corresponding parts of the other section when the sections are in parallel planes.

1,984,070
ELECTRIC CIGARETTE LIGHTER AND DISPENSER

Harley H. La Vercombe, Detroit, Mich.

Application April 8, 1933, Serial No. 665,152

12 Claims. (Cl. 312—86)



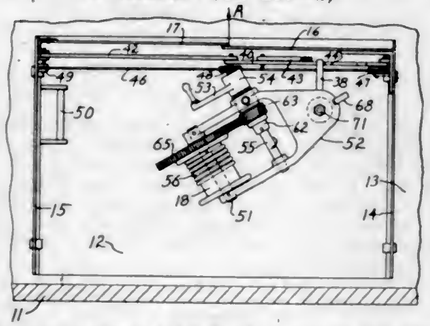
1. In a cigarette dispenser, a housing providing a receptacle for cigarettes, a cigarette lighter carried by said housing, a cradle adapted to receive cigarettes from said receptacle and movable lengthwise towards and away from said lighter, means carried by said cradle adapted to frictionally engage a cigarette in the cradle during lengthwise sliding movement of the latter, and a discharge opening in said housing opposite said lighter and adapted to receive the unlighted end of a cigarette held by said means.

1,984,071
HOISTING APPARATUS

Oscar P. Liebreich, Jackson Heights, N. Y.

Application March 10, 1931, Serial No. 521,420

7 Claims. (Cl. 187—2)



1. In a hoisting apparatus, a hollow standard, a movable mast eccentrically positioned in said hollow standard, an eccentric cap on the upper end of said hollow standard guiding said movable mast in said eccentric relationship with said hollow standard, and having mast non-rotating guide means, notched drive means exterior to the surface of and extending parallel to the axis of said mast, door-operating means in operable relationship with said mast, hoisting means on the upper end of said mast, and means attached to said hollow standard, and in engagement with said notched drive means for operating said movable mast in said eccentric cap, for operating said door-operating means and for lowering said hoisting means.

1,984,072
RUBBER ARTICULATED ENDLESS TRACK

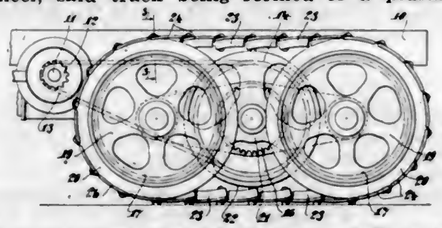
Alfred F. Masury, New York, and Frank J. Kohlberger, Whitestone, N. Y., assignor to International Motor Company, New York, N. Y., a corporation of Delaware

Application September 24, 1932, Serial No. 634,716

5 Claims. (Cl. 305—8)

1. A wheel unit having wheels mounted upon the ends thereof and rotatably connected intermediate its ends to a vehicle frame, an auxiliary

bearing wheel on the unit between the first wheels, an endless track mounted over the first wheels and adapted to engage the auxiliary wheel, said track being formed of a plurality



of similar units, and yielding non-metallic means on the track projecting from opposite sides thereof to engage yieldingly the auxiliary wheel and the surface over which the vehicle passes.

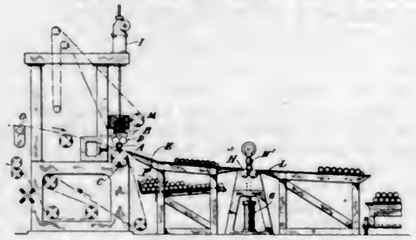
1,984,073
PROCESS AND MACHINERY FOR THE MANUFACTURE OF ASBESTOS-CEMENT PIPES OF A SMALL DIAMETER AND OF LITTLE THICKNESS

Adolfo Mazza, Genoa, Italy, assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application March 18, 1931, Serial No. 523,512

In Italy March 22, 1930

4 Claims. (Cl. 92—66)



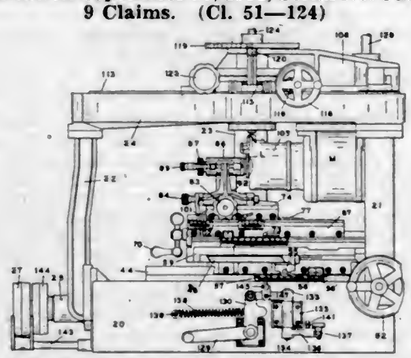
1. In the manufacture of small, seamless, thin-walled pipes of asbestos and Portland cement of wall thickness of the order of one millimeter, the step which comprises winding a wet felt of asbestos and Portland cement around a cylinder and compressing the wound felt at a pressure that is substantially constant during the entire winding process.

1,984,074
LENS GRINDING MACHINE

Joseph J. McCabe, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application September 10, 1931, Serial No. 562,018

9 Claims. (Cl. 51—124)



4. A lens grinding machine comprising an annular abrading tool mounted for rotation on a horizontal shaft, said tool being adjustably mounted to turn about a vertical axis to selectively position the shaft of the tool on opposite sides of a vertical plane passing through said axis, means for selectively holding a lens blank on opposite sides of said vertical plane and means for moving said lens blank in an arcuate path into contact with said abrading tool.

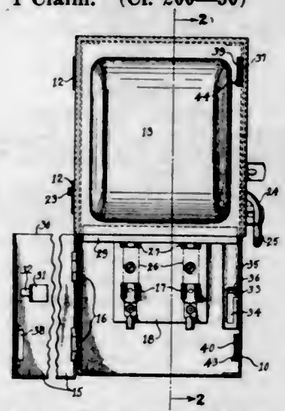
1,984,075
SAFETY SWITCH CABINET

Morris Moreines, Newark, N. J.

Application March 25, 1931, Serial No. 525,072

Renewed October 27, 1934

1 Claim. (Cl. 200—50)



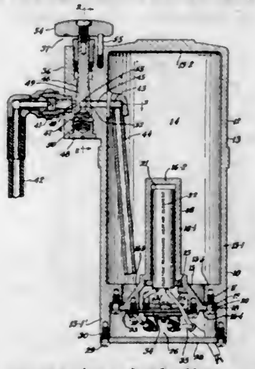
In a safety switch cabinet, a hollow rectangular casing having a main cover hinged to the longitudinal side of the open end of said casing for enclosing a switch, an auxiliary cover hinged to the longitudinal side of the open end of said casing for enclosing a fuse, said main cover having a rabbet flange adapted to project under the edge of said auxiliary cover to prevent the opening of said main cover while said auxiliary cover is closed, and means on said casing for interlocking said switch with said auxiliary cover when the switch is closed to prevent the opening of said auxiliary cover while the switch is closed.

1,984,076
ELECTRIC WATER HEATER

Edward L. Monnot, Canton, Ohio, assignor to The Weber Dental Manufacturing Company, Canton, Ohio, a corporation of Ohio

Application January 6, 1933, Serial No. 650,405

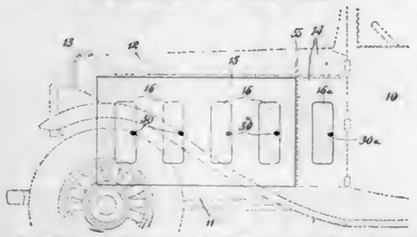
2 Claims. (Cl. 219—38)



1. Valve apparatus including walls having formed therein a plurality of ducts, the ducts including an inlet duct having one end adapted for communicating connection with a source of

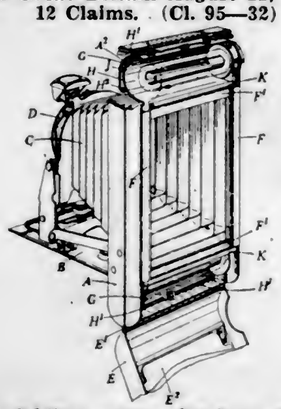
fluid and the like, an outlet duct having one end adapted for communicating connection with a valve controlled syringe and the like, an intermediate duct having one end adapted for communication with the interior of a storage chamber and the like, a valve seat duct, and the other ends of the inlet, outlet, and intermediate ducts communicatingly terminating in the valve seat duct, a valve stem rotatably fitting in the valve seat duct and the valve stem having formed transversely therein a plurality of centrally communicatingly connecting radial ducts, and the outer ends of the radial valve stem ducts being spaced for selective connection some with the valve duct ends of the inlet duct and the outlet duct and some with the valve duct ends of the intermediate duct and the outlet duct.

1,984,077
HINGED CLOSURE
Jacob Morrison, Buffalo, N. Y., assignor to Morrison Steel Products Inc., Buffalo, N. Y., a corporation of New York
Application October 16, 1931, Serial No. 569,258
6 Claims. (Cl. 180—69)



1. A hinged closure of the character described and comprising a wall having a casement flange which is offset at one point to form a pivot socket which is parallel to said flange and to said wall; a door hinged to said wall; and a spring adapted to hold said door in either its open or closed position and connected at one end to said door and provided at its other end with an arm which passes through said offset pivot socket.

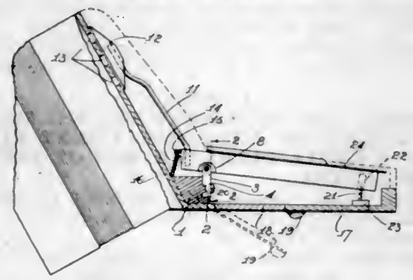
1,984,078
PHOTOGRAPHIC CAMERA
Hugo Nagel, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application August 9, 1933, Serial No. 684,388
In Great Britain August 11, 1932
12 Claims. (Cl. 95—32)



1. In a folding camera having a body and a front connected thereto by an extensible bellows,

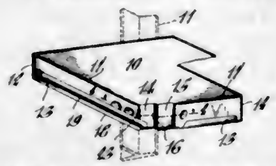
the combination of a spool chamber within the body, and a curved wall partially surrounding the chamber and spaced from the adjacent wall of the body so as to leave a narrow passage through which air may pass freely to or from the bellows from outside of the camera.

1,984,079
KEY STRUCTURE FOR PIANO ACCORDIONS
Reuben Nelson, De Kalb, Ill., assignor to Wurlitzer Grand Piano Company, De Kalb, Ill., a corporation of Illinois
Application August 26, 1932, Serial No. 630,505
4 Claims. (Cl. 84—376)



1. In a piano accordion in combination with a key manual, a mounting rail extending transversely under the keys, an individual fulcrum support for each key comprising an upstanding bracket with an individual fulcrum pin by which the key is pivotally attached to the bracket, individual fastening means for the brackets securing them to the rail at intervals for proper spacing of the keys, said means being accessible from below the keys and individually releasable to permit removal and replacement of any key without disturbing the others, and casing structure extending under the keys enclosing the fastening means, but including a wall section movable to afford such access to the fastening means.

1,984,080
SHELVING
Herbert J. Onions, Warren, Pa., assignor to De Luxe Metal Furniture Company, a corporation of Pennsylvania
Application July 29, 1932, Serial No. 625,686
4 Claims. (Cl. 211—135)



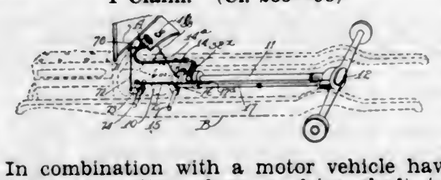
4. A blank for shelving and the like, comprising a sheet-like metallic body scored both lengthwise and crosswise thereof to provide depending side and end flanges, and notches formed adjacent the corners of the blank inwardly of the scorings forming the side flanges to provide resulting extensions coextensive with one set of flanges and spaced from the ends of the companion set of flanges, said extensions forming corner braces and terminating at their free ends in attaching portions engageable in overlapping relation to the faces of said companion set of flanges, the inner portions of said extensions being of a length to span said corner notches.

1,984,081
SPOON
Ferdinand M. Pisculli, Yonkers, N. Y.
Application March 30, 1934, Serial No. 718,265
2 Claims. (Cl. 30—22)



1. A spoon comprising a handle, and a blade carried thereby and including a flat bottom portion having upwardly and outwardly inclined side and rear edges, said side edges decreasing in height toward the front of the blade and decreasing in their inclination from the plane of the flat bottom portion.

1,984,082
SPEED CHANGING DEVICE FOR MOVEMENT REGISTERING MECHANISM
Cyril M. Read, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 8, 1932, Serial No. 591,473
1 Claim. (Cl. 235—95)



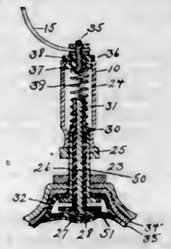
In combination with a motor vehicle having driving connections from a drive shaft to a ground wheel shaft comprising change speed connections for varying the ratio between the revolutions of the drive shaft and the ground wheel shaft, and means for adjusting said connections for predetermined changes of said ratio; a mileage travel register having a primary shaft for driving said register; driving connections to said primary shaft from the vehicle drive shaft, the mechanism of said register comprising connections adjustable for varying the driving ratio between said primary shaft and said vehicle driving shaft, and means for adjusting the same, and operating connections to said adjusting means operatively connected with the revolution-ratio-adjusting means to effect corresponding adjustment of the revolution-ratio-varying means of the mileage register.

1,984,083
MANUFACTURE OF SHEET METAL TUBES
Edmund W. Riemenschneider, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio
Application July 1, 1931, Serial No. 548,106
5 Claims. (Cl. 29—156)



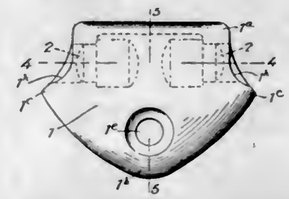
1. The method of making a tube from commercial strip metal having an irregularly varying width, which includes pressure shaping the mill edges of the irregular strip, then curving the irregular strip laterally and abutting and welding its edges together by a yielding pressure to form a tube of irregularly varying diameter, and then working the metal as by cold rolling the tube on a mandrel to straighten and true the same.

1,984,084
TIRE DEFLATION INDICATOR
George B. Rodney, Fayetteville, N. C.
Application August 19, 1933, Serial No. 685,889
2 Claims. (Cl. 200—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electrically operated tire pressure indicator for vehicles having a metallic frame, a pressure responsive switch operatively connected in a circuit including an indicating apparatus, said switch comprising a cylindrical main stem having a flanged extremity and grounded to the frame; a central plunger comprising a stem, threaded at its upper extremity for the reception of an adjustable contact nut, said contact nut having a flanged extremity adapted to serve as an electrical contact surface in conjunction with the upper extremity of the main stem, a cylindrical insulating sheath surrounding the unthreaded portion of the plunger stem and slidably mounted within said main stem, the stem of the plunger terminating at its lower end in a disc, said sheath extending at its lower extremity to cover the upper surface of the plunger disc to insulate the upper surface of said disc from the lower surface of the flange, a cap adjustably fitted to the main stem, and means for retaining said cap in any predetermined position along said stem, a spring interposed between the flange of the contact nut and the top of the cap, and an insulated terminal fitted in the top of said cap conductively connecting said spring to the aforesaid circuit.

1,984,085
EDGE ROAD MARKER
David E. Ross, La Fayette, Ind., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
Application November 16, 1933, Serial No. 698,367
6 Claims. (Cl. 88—1)

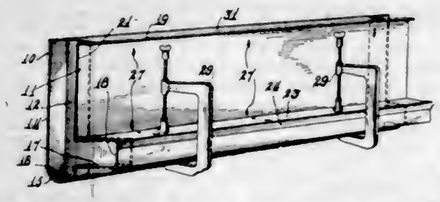


1. An edge road marker comprising a body having a thick longitudinal butt portion at rear and a front portion curving downwardly and outwardly from the butt portion, said butt having an opening in its end the axis of the opening being substantially parallel with the plane of the outer side of the butt portion, and a reflecting lens in said opening adapted to reflect the light of an automobile approaching that end of said butt portion.

1,984,086
METHOD OF PROCESSING PHOTOGRAPHIC ELEMENTS
Harold D. Russell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application September 27, 1932, Serial No. 635,059
4 Claims. (Cl. 95—88)

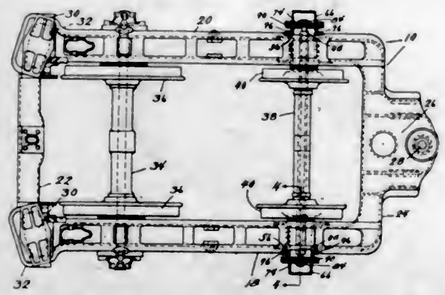
1. A method of processing photographic elements which comprises developing said elements in an alkaline developer, immersing them in a stop bath containing in solution a compound yielding the borate ion, and then fixing the elements in an acid hardening fixing bath containing alum.

1,984,087
MOLD FOR ARTIFICIAL STONE STEPS
John J. Scheel, Detroit, Mich.
Application September 9, 1931, Serial No. 561,924
2 Claims. (Cl. 25—121)



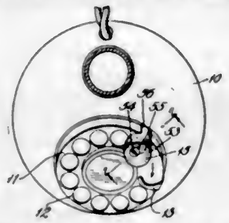
1. A mold of the character described including a substantially L-shaped outer shell having an outwardly curved longitudinal depression on one side adjacent the juncture of the L, an L-shaped inner shell adapted to be arranged over said outer shell, removable end walls arranged between said shells, said end walls spacing the shells apart, a longitudinal flange on one edge of the inner shell cooperating with and overlying a similar flange on the corresponding edge of the outer shell, and clamps embracing said shells adjacent the overlying flanges to secure the assembly together.

1,984,088
TRAILER TRUCK FOR LOCOMOTIVES
Eugene L. Schellens, Ridgewood, N. J., assignor to C-S Engineering Company, Englewood, N. J., a corporation of Delaware
Application October 1, 1931, Serial No. 566,238
13 Claims. (Cl. 105—174)



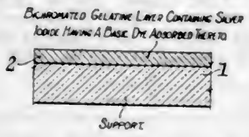
1. A trailer truck for locomotives comprising a truck frame having front and rear wheeled axles and bearing boxes therefor, the boxes for said rear axle being fixed in said frame against transverse movement with respect thereto, the boxes for said front axle being capable of such transverse movement, means connecting said movable boxes for conjoint transverse movement, centering means acting yieldingly on said boxes to hold them in a normal central position in said frame, said front axle being axially movable in its boxes, and said boxes having thrust plates which confront and are axially spaced from the wheels of said axle and limit the axial movement of said axle independently of the boxes therefor.

1,984,089
TELEPHONE LOCK
Samuel Segal, New York, N. Y.
Application April 22, 1932, Serial No. 606,896
11 Claims. (Cl. 179—189)



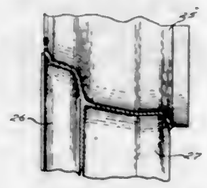
1. In a device for reducing the range of selections of a perforated dial of a telephone, the combination of a member having complementary portions, one constituting an expanded part, and another a reduced part, the parts being integrally connected, the expanded part having a shoulder adapted to seat on the dial about a perforation, the reduced portion being disposed in said perforation and having shiftable means extending beyond the limits thereof, the shiftable means being displaceable upon engagement with the walls of said perforation towards the interior of the member, and subsequently diverging outwardly as to extend beyond the walls of a perforation to prevent the disengagement of the member from the dial and key operative means for bringing said shiftable means towards the member preparatory to its removal from a perforation and means bodily movable with said member and disposed adjacent the peripheral edge of said dial and overhanging the latter to prevent rotation of said member about its vertical axis.

1,984,090
PHOTOGRAPHIC MATERIAL FOR MAKING COLORED PRINTS
Merrill W. Seymour, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application February 29, 1932, Serial No. 595,971
2 Claims. (Cl. 95—7)



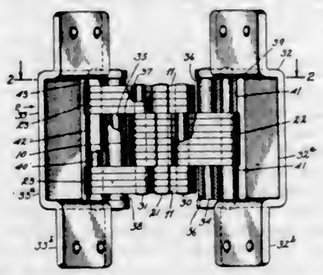
1. A permanently colored light-sensitive layer for use in carbon printing and comprising gelatine, an alkali bichromate and silver iodide having adsorbed thereto a basic dye having the characteristics that it is strongly colored, that it is strongly adsorbed to the silver iodide and is permanently retained in the developed relief image and that it extends the color sensitivity of the layer to all colors of the visible spectrum.

1,984,091
METHOD OF FORMING HUB SHELLS OF VEHICLE WHEELS
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich., a corporation of New York
Application August 18, 1930, Serial No. 476,196
1 Claim. (Cl. 29—159.3)



Those steps in the method of forming vehicle wheel hub shells of the type having concealed attaching means which consist in providing a strip of metal having a laterally projecting flange intermediate the longitudinal edges thereof, fashioning the flange to form attaching portions, hooping the strip to form an annulus with the attaching portions aforesaid extending inwardly therefrom and fashioning the portions on opposite sides of the flange during the hooping operation to a predetermined shape conforming to the desired contour of a hub shell.

1,984,092
LINK UNIT FOR CONCEALED HINGES
Joseph Soss, Roselle, N. J.
Application July 3, 1933, Serial No. 678,858
12 Claims. (Cl. 16—164)



1. A link unit for hinges of the class described involving a comparatively wide link arm and narrower arms disposed on opposed sides of the first named arm and pivoted thereto to provide relative hinge movements of the arms, and all of said arms being composed of a plurality of thin link plates disposed directly one upon the other in common alinement to form laminated arms.

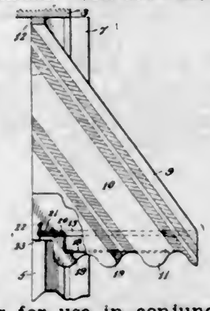
1,984,093
PREPARATION OF CELLULOSE NITRATE-ACYLATE
Cyril J. Staud and James T. Fuess, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application December 31, 1930, Serial No. 505,963
11 Claims. (Cl. 260—101)

1. A process of making a cellulose nitrate-acylate which comprises acylating cellulose in the presence of a liquid nitrating agent selected from the group consisting of NO_2, N_2O_4, N_2O_3, and N_2O_5.

1,984,094
PREPARATION OF BENZYL ESTERS OF CELLULOSE ACETATE PHTHALATE
Cyril J. Staud and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application April 27, 1932, Serial No. 607,883
14 Claims. (Cl. 260—101)

1. The process of preparing a benzyl ester of a cellulose derivative containing a phthalyl group in which group there is a carboxyl group which is either free or combined with a monovalent base which comprises reacting upon the derivative with a benzyl halide in the presence of a tertiary heterocyclic nitrogen base.

1,984,095
AWNING STRUCTURE
Joseph D. Stevens, Baltimore, Md.
Application July 25, 1931, Serial No. 553,158
2 Claims. (Cl. 156—42)



1. An awning for use in conjunction with a frame comprising a sheet of fabric material secured along one edge to the frame and a pivoted rod, said rod being secured to the fabric adjacent the free edge thereof and holding the sheet in extended position when the rod is swung outwardly, said awning including side walls, an apron arranged along and extending from the lower portion of the sheet and below the rod, a stay fastened to said apron having an offset portion rotatably connected to said rod, and means for effecting a rotation of said stay and a resultant movement of the apron when the rod is pivoted upwardly in the raising of the awning whereby the apron will lie compactly folded against the remainder of the awning.

1,984,096
MIXED CHROMIFEROUS AZO-DYESTUFFS AND PROCESS OF MAKING SAME
Fritz Straub, Basel, and Hermann Schneider, Riehen, near Basel, Switzerland, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 6, 1933, Serial No. 696,916. In Switzerland November 7, 1932
10 Claims. (Cl. 260—12)

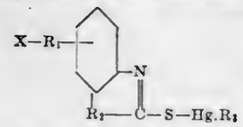
6. Mixed chromiferous azo-dystuffs obtained by causing chromiferous azo-dyestuffs to react in an alkaline medium with such azo-dyestuffs containing metal binding groups which are different from the azo-dyestuffs used for producing the parent chromiferous azo-dyestuffs, which products represent yellow to brown to red to violet-black to black powders, dissolving in water to yellow to red to violet to blue to green to black solutions, and dyeing materials yellow to orange to brown to red to violet to blue to green to black tints.

1,984,097
WATER-SOLUBLE ALKYL-MERCURY-MERCAPTO COMPOUNDS

Karl Streitwolf and Paul Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 13, 1933, Serial No. 666,067. In Germany April 16, 1932
11 Claims. (Cl. 260—13)

1. The compounds of the following formula:

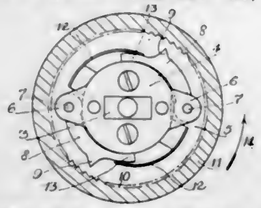


wherein R_1 stands for the radical of an acid group, R_2 for O, S or the imino group, R_3 for an alkyl or cycloalkyl group, and X for hydrogen or an alkali metal, said compounds having an antiseptic effect.

1,984,098
TIME FUSE FOR PROJECTILES

André Varaud, Geneva, Switzerland

Application August 30, 1933, Serial No. 687,517
In Switzerland September 10, 1932
6 Claims. (Cl. 102—36)

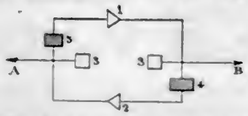


1. In a time fuse for projectiles, a hollow body member having teeth formed on the interior thereof, a driving member in said body mounted for rotation relative to said body member, a centrifugally actuated element carried by said driving member, and means carried by said element adapted to engage the teeth within said body member upon the actuation of said element by centrifugal force due to rotation of said projectile when fired.

1,984,099
TELECOMMUNICATION SYSTEM

Georges Viard, Paris, France, assignor to Lignes Telegraphiques et Telephoniques, Paris, France, a corporation of France

Application October 31, 1931, Serial No. 572,368
In France November 8, 1930
3 Claims. (Cl. 178—44)

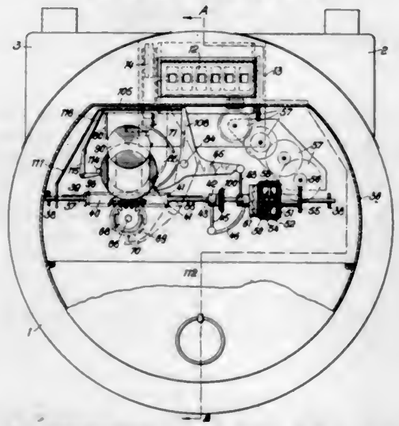


1. The method of multiplex signalling of intelligence over a two-wire telecommunication system, which comprises transmitting a frequency band in each direction, said bands comprising a common frequency range for which balancing networks for duplex signalling are effective and the one band comprising also a side band below the common band and the other band comprising also a side band above said common band, said side bands lying outside the range for which balancing networks are effective, utilising said common band for duplex signalling of intelligence and utilising said upper and lower side bands for one-way signalling of intelligence simultaneously with said duplex signalling.

1,984,100
PREPAYMENT MECHANISM FOR GAS METERS

Friedrich von Schütz, Berlin-Lichterfelde, Germany

Application August 7, 1933, Serial No. 684,051
In Germany August 12, 1932
4 Claims. (Cl. 194—90)



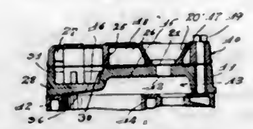
1. A prepayment mechanism for gas meters comprising a shaft, a worm movable lengthwise on the shaft to and from an initial position of prepayment and rotating with said shaft, a worm wheel engaging the worm and operative to move the same lengthwise on said shaft, a differential gear consisting of two sun wheels running loosely on said shaft and two planet wheels provided with axes rigidly connected to said shaft, with one sun wheel having a driving connection with the gas meter to rotate the shaft and the worm thereon, the rotation of the worm against the thrust of the engaged worm wheel operating to move the worm on the shaft away from its initial position, a coin operated lever and mechanism actuated thereby to turn the other sun wheel to rotate the shaft in the opposite direction to move the worm toward its initial prepayment position on the shaft, a second coin operated lever and a pawl and ratchet mechanism operated by said lever to rotate said worm wheel to move the worm toward its initial prepayment position, a rotary coin receiver having two slots for receiving coins of different size and value and operating to move the coins into engagement with the respective coin operated levers to actuate the latter as the receiver is rotated, an actuating element on said shaft, means for coupling said actuating element with said worm when the latter is moved to its extreme position away from its initial prepayment position on said shaft, a gas controlling valve, and mechanism operated by said actuating element for controlling the operation of the valve.

1,984,101
CYLINDER HEAD CONSTRUCTION

James F. White, Detroit, Mich.

Application August 15, 1932, Serial No. 628,952
6 Claims. (Cl. 123—173)

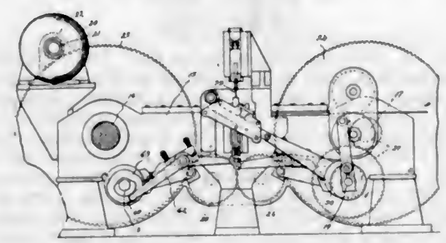
1. A cylinder head formed with a combustion chamber therein having a portion for receiving a charge of fuel and having another portion of relatively large surface to volume ratio arranged to extend over a cylinder of an engine, said head further having a chamber for a cooling medium disposed above the combustion chamber, a partition in the cooling medium chamber extending from one end of the latter to the opposite end of the same in a position to separate the space above the first named portion of the chamber from the space above the second named portion of the latter and having restricted openings therethrough, and means providing for the circulation of a cooling medium through the space above the first named portion aforesaid of the chamber.



1,984,102
APPARATUS FOR FORMING VEHICLE WIRE WHEEL SPOKES

Edwin P. Wilson, Detroit, Mich., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich., a corporation of New York

Application October 12, 1931, Serial No. 568,497
8 Claims. (Cl. 29—34)



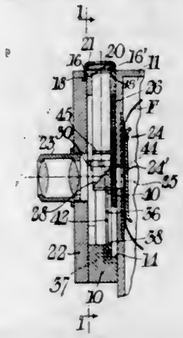
1. In apparatus for fashioning wire spokes, means for holding a spoke blank having an angularly extending end portion in a fixed position with the said end portion projecting beyond the holding means in predetermined relationship to the remaining portions of the blank, a plurality of heading dies successively movable into engagement with the angularly extending end portion for forming an enlargement thereon, and means for moving said dies in a path coincident with the axis of the said angularly disposed end portion.

5. In apparatus for fashioning wire spokes, means for holding a spoke blank having an angularly extending end portion in a fixed position with said end portion projecting beyond the holding means in predetermined relationship to the remaining portions of the blank, means forming an enlargement upon the angularly extending portion including a punch, means for actuating the punch including, a carrier for the punch, means for moving said carrier toward the end aforesaid of the spoke blank, and means for simultaneously moving said carrier in a path transverse to the path of movement aforesaid, said last-named means comprising a cam developed to effect a resultant angular movement of the punch in a direction corresponding to the angulation of the end portion aforesaid of the spoke blank.

1,984,103
REFLEX FINDER FOR MOTION PICTURE CAMERAS

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application July 29, 1932, Serial No. 625,986
6 Claims. (Cl. 88—16)

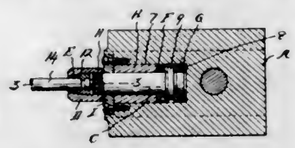


1. In a motion picture camera, the combination with an objective adapted to produce an image upon a film, a rotatable shutter between said objective and said film, a housing provided with a viewing aperture, a member including a reflecting surface adapted in operative position to reflect said image toward said aperture, a closure means movable with said member into open and closed positions with respect to said aperture, and a resilient means for biasing said member and said closure means to inoperative and closed positions, respectively, of a holding means adapted to maintain said closure means in open position and said reflecting means in said operative position against the action of said resilient means, and a trip means on said shutter and adapted to move said holding means for return of said closure means and said member to respective closed and inoperative positions by said resilient means.

1,984,104
BROACH HOLDER

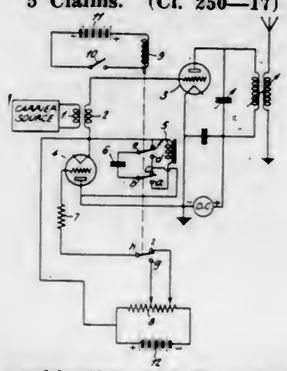
George F. Yager, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a corporation of Ohio

Original application December 15, 1930, Serial No. 502,526. Divided and this application July 3, 1933, Serial No. 678,979
6 Claims. (Cl. 90—33)



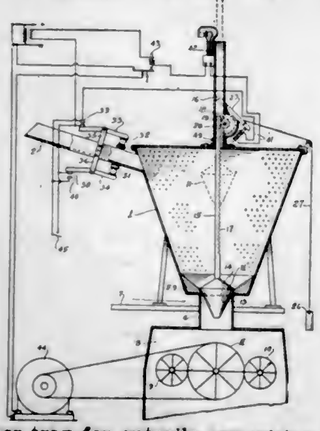
1. Broach holding means including a body having a plurality of laterally spaced sockets therein, spindles in said sockets and provided adjacent their inner ends with annular flanges, thrust bearings on the spindles upon opposite sides of the flanges, sleeves upon the spindles and abutting the outer bearings, and means for retaining the spindles, sleeves and bearings in the sockets, comprising a single plate secured to the body having openings receiving the spindles and constituting abutments for the sleeves.

1,984,105
KEYING
Hans Joachim Zetzmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 24, 1933, Serial No. 686,580
In Germany July 7, 1932
5 Claims. (Cl. 250—17)



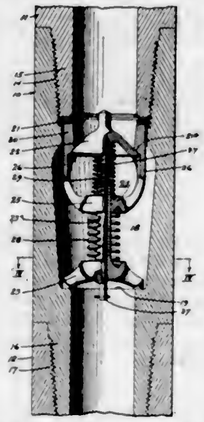
1. The combination of a thermionic repeater tube having input electrodes energized at carrier frequency and output electrodes coupled to a load circuit, of an ionic control tube of the type in which discharge is initiated by a predetermined grid voltage and continues irrespective of the value of said grid voltage until the anode potential reaches a certain value, a connection between the cathode of said discharge tube and the control grid of said repeater, a connection between the anode of said ionic control tube and the cathode of said repeater tube, a source of potential, keying means for applying different values of negative potential from said source to the grid of said ionic discharge tube in different positions of said key, a capacity, a second key actuated simultaneously with said first key, and circuits cooperating with said second key to connect the capacity between the anode and cathode of said ionic discharge tube in one position of said keys, and to reverse the connection of said capacity in another position of said keys.

1,984,106
PROTECTIVE TRAP FOR ENTRAIL HASHERS
William G. Aust, Milwaukee, Wis.
Application April 4, 1933, Serial No. 664,417
11 Claims. (Cl. 192—125)



1. Hasher trap for entrails comprising a hopper having a discharge port in its bottom and a gravity seated valve for closing said discharge port, a plunger rod to which said valve is affixed, releasable means for detaining said plunger rod normally in valve-open position and means responsive to the presence of iron in the entrails at a point anterior to said valve for releasing said plunger detaining means.

1,984,107
DRILL PIPE FLOAT
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application June 22, 1932, Serial No. 618,689
3 Claims. (Cl. 137—69)

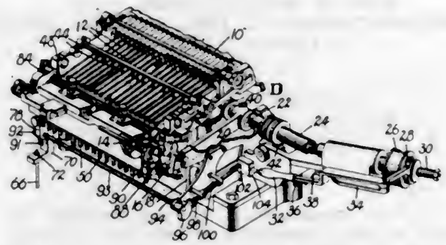


1. In combination with a tool joint having one section with a box formed in its upper end to receive the pin of the uppermost section, the former section being formed with an interior annular shoulder at a substantial distance below the box, a hollow cylindrical valve cage adapted to fit coaxially within said section at the lower end of the box and to have its upper end engaged by the pin when the latter is threaded into the box, said valve cage being open ended and having a valve seat formed at its lowermost end, a guide positioned below the valve cage and coaxially thereof and connected thereto by depending arms, a spider adapted to bear on said interior annular shoulder and having an upwardly projecting trunnion reciprocably engaging a bore in said guide, an upwardly seating valve member cooperating with said valve seat, said valve having a downwardly depending stem reciprocably mounted in said trunnion, an expansion spring between the valve member and said guide, and an expansion spring between said guide and said spider, the former spring requiring less pressure to collapse it than the latter spring.

1,984,108
CERAMIC MANUFACTURE
John I. Bahl, Canton, Ohio, assignor of one-half to Raymond W. Loichot, Canton, Ohio
No Drawing. Application February 27, 1933, Serial No. 658,834
13 Claims. (Cl. 25—156)

1. In a method of making vitreous porcelain products, steps which include making a slip of ceramic materials for forming a ceramic body which vitrifies upon firing, passing the slip through a screen having a fineness substantially within the limits 120 to 150 mesh, forming green ware by subsequent processing of the screened slip, and bung placing the formed green ware for bisque kiln firing.

1,984,109
FASTENING-SUPPLYING APPARATUS
Frederick J. Balcom, Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 8, 1932, Serial No. 627,876
13 Claims. (Cl. 1—39)



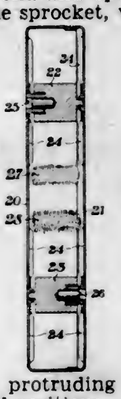
1. The combination with fastening-feeding mechanism having a movable raceway, a discharge device and means for controlling the movement of the raceway, of means movable to transfer fastenings from the feeding mechanism, a member extending to the discharge device and through which the movement of the transferring mechanism is transmitted to said discharge device, and connections to the member between the transferring mechanism and the discharge device for governing the controlling means.

1,984,110
MANUFACTURE OF YELLOW MORDANT DYESTUFFS
Ernst Bodmer and Franz Neitzel, Basel, Switzerland, assignors to the firm Durand & Huguenin S. A., Basel, Switzerland
No Drawing. Application May 12, 1932, Serial No. 610,983. In Germany May 15, 1931
11 Claims. (Cl. 260—124)

10. The herein described yellow mordant dyestuffs as condensation products from a 4- or 3-amino-naphthalene-1,8-dicarboxylic acid compound and an amino-hydroxybenzoic acid compound bearing the amino group in meta-position to the carboxylic group, said mordant dyestuffs constituting yellow powders in the form of alkali salts, easily soluble in water to yellow solutions, having a green fluorescence, giving with concentrated sulphuric acid faintly yellow solutions, which become more intensely yellow on dilution with water, said dyestuffs dyeing the fibre with chrome mordant fast yellow shades and in view of their good resistance to reducing agents, being usable in reduction colour discharge printing.

1,984,111
FILM MAGAZINE
Nils Bouveng, Elga, Setsjabaden, Sweden, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application March 28, 1931, Serial No. 526,027
8 Claims. (Cl. 88—17)

1. A reversible motion picture film magazine comprising a light-tight casing with opposite parallel flat walls, two parallel film cores rotatably mounted within said casing, one wall having an opening axially of one core and the other having an opening axially of the other core; each core having a clutch member within the casing opposite and engageable through the respective opening and a sprocket also mounted entirely within the casing parallel to the cores and having clutch elements at each end and openings in both side walls axially of the sprocket, whereby the magazine is free from protruding parts and may be utilized in inverted positions.

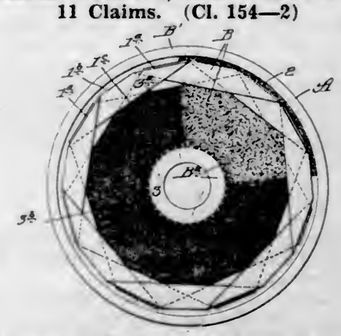


1,984,112
BOLOMETRIC RESISTANCE
Max Buchholz, Cassel, Germany, assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application February 7, 1930, Serial No. 426,737
In Germany February 13, 1929
2 Claims. (Cl. 201—63)



1. In combination with a bolometer for measuring radiant energy, means positioned in the path of the radiant energy including a plurality of groups of spaced flat strips, each group being disposed in a single plane, the strips of each group succeeding the first group registering with the spaces in the preceding group or groups, thereby covering substantially the greater part of the section of the radiant energy path in which the bolometer is positioned, said means being responsive to radiant energy by a change in the electrical resistance of the strips.

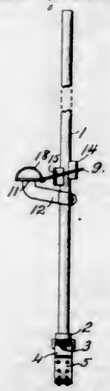
1,984,113
SILENT GEAR AND PROCESS OF MANUFACTURE
William Wesley Carter, Cincinnati, Ohio, assignor to The Formica Insulation Company, Cincinnati, Ohio, a corporation of Ohio
Application October 7, 1933, Serial No. 692,669
11 Claims. (Cl. 154—2)



1. A process for manufacturing gear blanks comprising: producing an assembly comprising a wheel-center comprising binder-impregnated

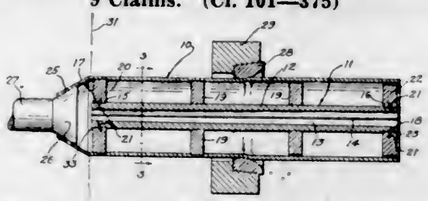
fibrous material and a rim-portion comprising a a polygonally folded binder-impregnated strip of fabric, the lines of folding being substantially chords of arcs of a circle; and molding the assembly under heat and pressure.

1,984,114
STILT
Charles E. Collins, Kansas City, Mo.
Application August 7, 1933, Serial No. 684,008
8 Claims. (Cl. 272—70.1)



1. A stilt having a leg, a foot support movable upwardly and downwardly relative thereto, and two gripping members pivoted to said foot support and disposed respectively at opposite sides of said leg and having gripping surfaces of substantial area which lockingly grip said leg when said foot support is swung downwardly, and which are released from said leg when said foot support is swung upwardly relatively to said leg.

1,984,115
BUILT-UP PRINT ROLL AND METHOD OF MAKING
Charles F. Cooper, Torrington, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application March 24, 1933, Serial No. 662,470
9 Claims. (Cl. 101—375)

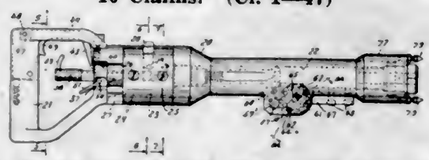


1. In a printing roll, a core, spaced filler rings carried by and rigid with said core, said rings having roughened outer edges, an outer shell of worked metal supported by said rings, and said shell including portions extending into the depressions in the roughened edges of the rings to form a rigid connection between the shell and the rings.

1,984,116
PLASTIC PAINT
Dean De Forest Crandell, Buffalo, N. Y., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
No Drawing. Application January 31, 1931, Serial No. 512,749
4 Claims. (Cl. 134—50)

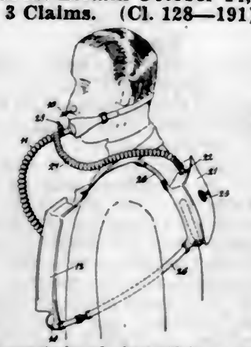
3. A texture paint comprising a binder and crushed mollusk shells in flake form, not more than 30% of which pass through a 200 mesh screen, the quantity of said crushed shells being 20 to 30% of the total constituents of the paint exclusive of coloring matter.

1,984,117
IMPACT DEVICE
Lewis K. Davis, Hampton, N. J.
Application January 2, 1932, Serial No. 584,423
10 Claims. (Cl. 1—47)



1. In an impact tool, the combination of a frame, a piston movable therein for carrying a fastening member, means for receiving a charge of combustible material for generating a gas to actuate said piston, and means for supporting a member for initially retarding said piston whereby said member is shearable transversely by movement of said piston.

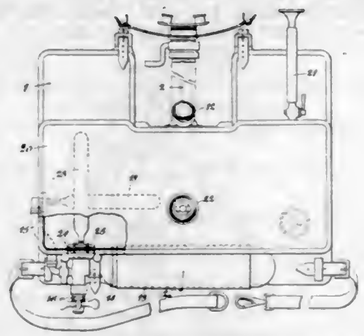
1,984,118
BREATHING APPLIANCE
Robert Henry Davis, London, England
Application December 22, 1931, Serial No. 582,622
In Great Britain October 14, 1931
3 Claims. (Cl. 128—191)



1. A self-contained breathing appliance for submarine use, comprising in combination, an inflatable breathing bag, a mouthpiece, a breathing tube connecting the mouthpiece and breathing bag, means for admitting a charge of respiratory gas to the breathing bag, means for absorbing carbon dioxide from the exhaled air, an inflatable buoyancy bag, an inflation gas inlet to said buoyancy bag, a tube connecting said inlet to the mouthpiece and a two-way valve in the mouthpiece adapted to place the latter selectively into communication with the buoyancy bag or the breathing bag at will.

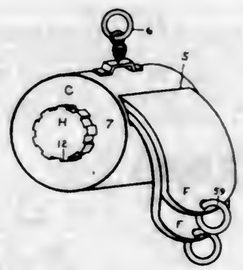
1,984,119
BREATHING APPLIANCE
Robert Henry Davis, London, England
Application December 22, 1931, Serial No. 582,624
In Great Britain October 15, 1931
3 Claims. (Cl. 128—191)

1. A self-contained breathing appliance for submarine use, comprising, in combination, an inflatable breathing bag, a mouthpiece, a breathing tube connecting the mouthpiece and breathing bag, means for admitting a charge of respiratory gas to the breathing bag, means for absorbing carbon dioxide from the exhaled air, an inflatable buoyancy chamber additional to the breathing bag, a passage leading from the breathing bag to the buoyancy chamber and a non-



return valve controlling said passage and permitting flow of gas from the breathing bag to the buoyancy chamber for the inflation of the latter.

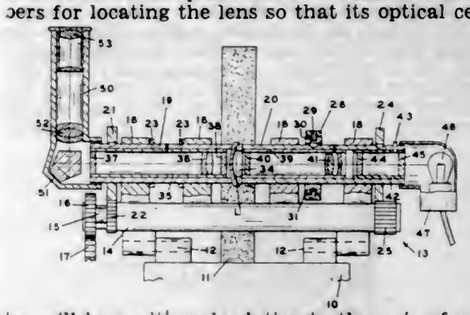
1,984,120
SANITARY RAZOR STROP HOLDER
Rosario Delisle, Dracut, Mass.
Application August 9, 1934, Serial No. 739,091
3 Claims. (Cl. 51—202)



3. The combination in a razor strop housing of a cylindrical casing open at one end, having a strop slot and closed at its other end, said closed end having a perforated concentric pocket with a pin hole at the end; a removable head on the open end of the casing, said head having a pin hole; an assembling pin which passes through said head pin hole and into the pin hole in the pocket and which has a nut on its end for locking the head in place; a perforated drum having an internal hub revoluble on said pin and having a chain recess and axial recesses for the pocket and for a winding spring; a winding spring positioned in said recess, one end being attached to the drum and the other to the assembling pin; and a chain fastened to the drum and positioned in the recess therein.

1,984,121
CENTERING DEVICE FOR LENS MACHINERY
Theodore B. Drescher, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 10, 1932, Serial No. 610,428
7 Claims. (Cl. 51—101)

1. A machine for operating upon lenses having in combination means for holding a lens to be operated upon, said means comprising two cylindrical members one of which is movable relative to the other and optical means within said members for locating the lens so that its optical center will be positioned relative to the axis of said members.

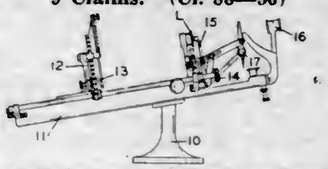


1,984,122
BAG AND METHOD OF MANUFACTURE
Henri Felmann, Chicago, Ill., assignor to Harry Morris, Chicago, Ill.
Application January 3, 1933, Serial No. 649,987
1 Claim. (Cl. 150—32)



In the manufacture of bags, the steps which comprise, assembling a cover and lining with stiffening material therebetween, the cover and lining extending beyond the stiffening material forming marginal extensions, gluing the marginal extensions together to form a stiff rim, sharply folding said rim inwardly, sharply folding the edge of said rim outwardly, and attaching a frame to said edge.

1,984,123
LENS TESTING INSTRUMENT
Leon V. Foster, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 26, 1933, Serial No. 668,052
9 Claims. (Cl. 88—56)

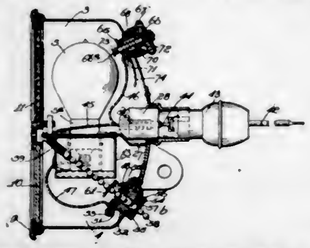


3. In an instrument of the type described, the combination of a bed, longitudinal guide means mounted on said bed to turn about an axis which is substantially parallel to said bed, a target member slidably mounted on said guide means, means on said bed for holding a lens before said target member and scale means for indicating the angular position of said guide means with respect to the horizontal plane of said axis.

1,984,124
ELECTRIC SWITCH
Patrick Foy, Chicago, Ill.
Application December 19, 1928, Serial No. 327,042
4 Claims. (Cl. 200—161)

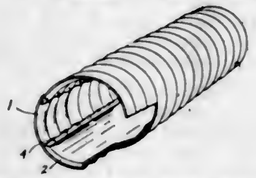
1. In combination with a metallic casing having an aperture in its wall, a switch device com-

prising a metallic member slidably mounted in the aperture and in electrical contact relation to the casing, an insulating member fixed in the casing and having an aperture registering with that of said casing, a substantially annular metallic contact member mounted upon said insulating member around its aperture and spaced therefrom to avoid contact with the metallic



slidable member, and a metallic flange on the slidable member dimensioned to engage said annular contact, together with a spring which normally holds said flange out of such engagement, said slidable member having a portion which extends outside the casing, whereby the member is accessible for actuation to bring its flange into contact with the annular member.

1,984,125
METHOD OF MAKING CULVERTS
Jonathan Roy Freeze, Middletown, and Ralph W. Shartle, Cincinnati, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Original application October 7, 1931, Serial No. 567,461. Divided and this application June 2, 1933, Serial No. 674,057
7 Claims. (Cl. 18—59)

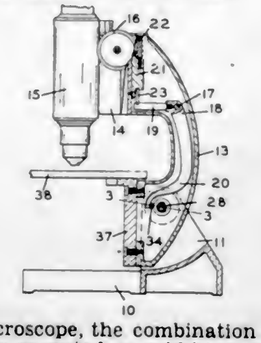


1. A method of filling the corrugations of a corrugated sheet metal culvert, which consists in forming the culvert section, molding a heat-plastic filling therefor having on its one face corrugations to match the corrugations of the culvert section, placing the filling section in the culvert in meshing position as to corrugations, and applying heat to the outside of the culvert sufficient to melt the contacting surface of the filling, wherefore it will bond with the culvert interior.

1,984,126
PREPARATION OF ACETONE-SOLUBLE CELLULOSE NITRO-ACYLATE
James T. Fuess and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application December 31, 1930, Serial No. 505,962
5 Claims. (Cl. 260—101)

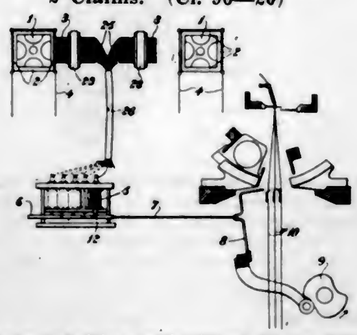
1. A process of making a cellulose nitrate acylate which comprises treating cellulose in a liquid bath comprising an aliphatic acid anhydride and a nitrating agent selected from the group consisting of NO_2 or N_2O_4, N_2O_3 and N_2O_5 and then heating to a temperature of approximately 100° C.

1,984,127
MICROSCOPE
George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 13, 1933, Serial No. 665,974
10 Claims. (Cl. 88—39)



1. In a microscope, the combination of a base, a bracket arm mounted on said base, a lens tube movably mounted at the top of said arm and means for moving said tube, said means comprising a lever pivotally mounted to turn on the upper part of said arm, a pivotally mounted member at the lower part of said arm, said member being in contact with said lever and cam means for moving said member.

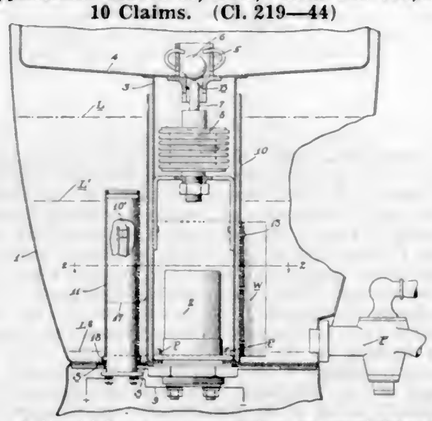
1,984,128
JACQUARD MECHANISM
Harry Goodley, Nottingham, England
Application July 20, 1932, Serial No. 623,669
In Great Britain July 23, 1931
2 Claims. (Cl. 96—20)



1. A lace machine embodying in combination a series of pickers or jacks cooperating with shogged threads in the machine, said pickers being normally held clear of the threads, a cam device operating normally to project the pickers between said threads, a slidable bar connected to and movable with each picker, each bar having a plurality of spaced notches, a series of electro-magnets associated with the pickers, not more than one magnet to each picker, a catch associated with each magnet and jacquard mechanism including a pair of rotary jacquard cylinders, contact plates on said cylinders, perforated jacquard cards traversing each cylinder over said contact plates, spring-influenced contact pins selectively engaging with said contact plates through said cards so as selectively to energize the electro-magnets appertaining to the pickers, one contact pin of each jacquard cylinder being in the electrical circuit of each magnet, and the energizing and de-energizing of each magnet

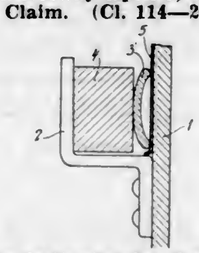
being timed from the two jacquard cylinders so as to determine the degree of inward movement imparted to the pickers.

1,984,129
ELECTRIC BEVERAGE WATER HEATER
Lee B. Green, Lakewood, Ohio, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1934, Serial No. 716,849
10 Claims. (Cl. 219—44)



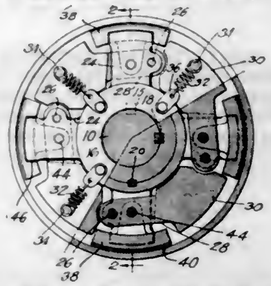
1. A liquid heater comprising an upright can-like heater body having its discharge outlet near its bottom; an upright metallic tubular baffle sealed at its lower end to the bottom of the heater body and spaced from the riser wall of the heater; a cold-liquid receiving cup supported within the heater body with its bottom spaced upwardly from the upper end of the said baffle, the said cup having discharge outlet overlying the upper end of the baffle; means disposed between the bottom of the heater body and the bottom of the cup whereby liquid discharged from the cup is heated and is thereafter caused to flow upwardly within the baffle and the top of the baffle into the annular space between the baffle and the riser wall of the heater body; and a plurality of upright metallic heat-conducting webs fastened to and extending radially outward from the lower half only of the said baffle for increasing the conduction of heat from the baffle to liquid in the lower portion only of the said space.

1,984,130
DEVICE FOR BATTENING DOWN HATCHES
Daniel Wilhelm Halvorsen, Oslo, Norway
Application April 8, 1933, Serial No. 665,205
In Norway April 9, 1932
1 Claim. (Cl. 114—203)



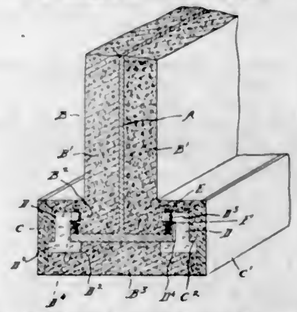
A device for battening hatches, comprising a battening bar of curved shape and formed of elastic material, to maintain effective contact pressure against a battening wedge even when the wedge shrinks, and having channeled edges, and a wedge permanently connected to said battening bar by said channeled edges and held in correct position thereby.

1,984,131
AUTOMATIC CLUTCH
William A. Hamilton, Birmingham, Ala.
Application May 31, 1933, Serial No. 673,780
3 Claims. (Cl. 192—105)



1. Clutch mechanism comprising rotary driving and driven members, the driving member having a plurality of pairs of outwardly extending drive arms, friction blocks adapted for coupling the two members, said blocks having pockets slidably engaging the extremities of said arms, weights having portions extending between each pair of arms and pivoted thereto and operatively connected with said friction blocks, the connection between the weights and the blocks being so arranged that the effect of centrifugal force on the weights is transmitted to the blocks with increased magnitude.

1,984,132
PROTECTED STEEL STRUCTURE AND METHOD OF FORMING THE SAME
Harvey Hanna, Detroit, Mich.
Application July 30, 1932, Serial No. 627,009
7 Claims. (Cl. 72—61)



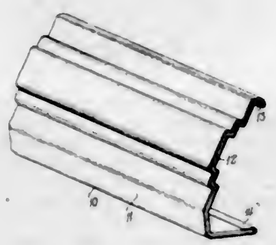
3. The method of protecting flanged metallic members which consists in pre-molding a cement shooting strip, engaging clips with said flange, supporting said shooting strip upon said clips in spaced relation to the edge of said flange and in shooting cementitious material around the unenclosed portions of said flange and in between the same and said shooting strip to complete the protection.

1,984,133
PHOTOGRAPHIC REVERSAL PROCESS AND BLEACH BATH FOR USE THEREIN
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application October 9, 1930, Serial No. 487,501
19 Claims. (Cl. 95—88)

1. The method of avoiding the harmful tanning and precipitating action of a permanganate

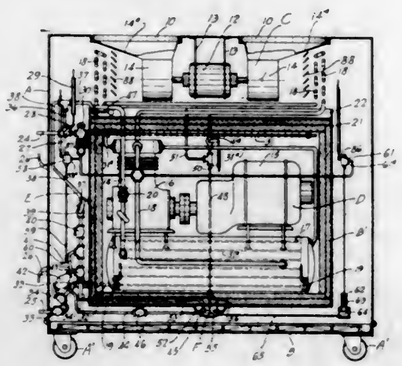
photographic bleaching bath that consists in adding thereto a polybasic inorganic acid other than sulfuric acid which is capable of forming with manganese a complex salt which is relatively unionized.

1,984,134
STRUCTURAL MEMBER
Fred Himmel and Isidore Himmel, New Haven, Conn., assignors to The Himmel Brothers Company, New Haven, Conn., a corporation
Application January 6, 1934, Serial No. 705,528
7 Claims. (Cl. 29—181)



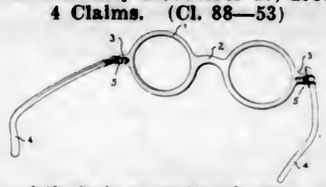
2. A structural member having: an outer surface member of stainless sheet steel having its outer surface burnished; and an inner backing member of aluminum-manganese alloy high in aluminum.

1,984,135
AIR CONDITIONING APPARATUS
Albert J. R. Houston, Omaha, Nebr.
Application September 13, 1933, Serial No. 689,332
14 Claims. (Cl. 257—9)



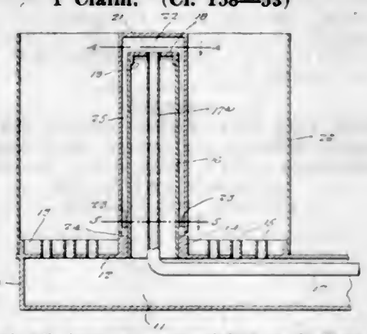
1. In air conditioning apparatus of the character set forth, a casing provided at its bottom with an inlet opening, a removable filter over said opening, an insulation casing supported above said filter, a reservoir supported by said insulation casing, refrigerating apparatus within said insulation casing, cooling coils connected with said apparatus and supported above said reservoir, said casing being provided at its top with an outlet opening above said cooling coils, means for passing air through said casing and out of said discharge opening, means for conducting a cooling fluid to the refrigerating apparatus, and means for discharging together the water collecting in said reservoir and said cooling water.

1,984,136
SPECTACLES
Georg Friedrich Käpernick, Frankfort-on-the-Main, Germany, assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 9, 1933, Serial No. 655,949
In Germany November 17, 1931
4 Claims. (Cl. 88—53)



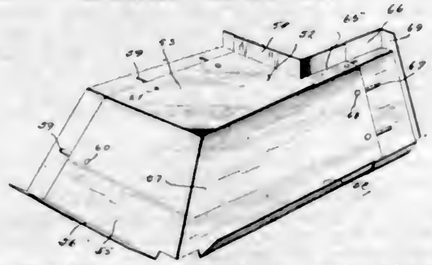
1. An ophthalmic mounting having an adjustable temple comprising a lens holding member having a hinged temple support on its temple side, said temple support having a slideway longitudinally thereof in a direction substantially normal to the axis of the hinge, a temple having a portion to engage the head and having a bar-like side portion fitted and slidably mounted in the slideway so that a portion thereof can be projected forwardly of said slideway when the mounting is held in its position of use and with the portion adjacent its opposite end engaging the head of an individual, said bar-like side portion initially being of a length sufficient to meet the requirements of different individuals as to length of temple, whereby the said bar-like portion may be adjusted to the length required, the excess portion thereof removed and the remaining end shaped to fit the adjacent end of the temple support, and adjustable means for securing the bar-like side portion in adjusted position in the slideway, said bar-like portion being held in aligned relation with the slideway independently of said securing means.

1,984,137
FUEL OIL BURNER
Martin J. Kelly, New Britain, Conn.
Application May 24, 1933, Serial No. 672,682
1 Claim. (Cl. 158—53)



A fuel oil burner comprising a hollow base forming an air chamber, a marginal upstanding flange on the base and the top part of the base having perforations therein communicating with the chamber, a vertically arranged air tube having its lower end connected with the central part of the top part of the base and said lower end being in communication with the chamber, the upper end of the tube being open, a fuel tube passing through the air chamber and having a vertically arranged portion passing through the air tube with its upper end projecting from the upper end of the tube, a cap member having a centrally arranged hole therein receiving the upper end of the fuel tube and to which fuel tube the cap member is connected, said cap member being spaced from the air tube to permit air to escape from the tube, a second vertically arranged tube having its top closed and its bottom open, the closed top of the second tube being spaced from the cap member, said second tube surrounding and being slightly spaced from the first tube to form a passage for the down-flow of air and fuel, the lower end of the second tube being slightly spaced from the top of the base, and means for supporting the lower end of the second tube in spaced relation from the base and from the air tube.

1,984,138
SHOW CASE
Leo W. Kennedy, Detroit, Mich.
Application August 18, 1930, Serial No. 476,185
11 Claims. (Cl. 312—118)

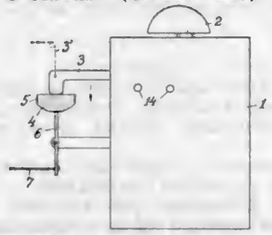


9. In a show case construction, a sham having a front wall and a side wall secured to the front wall to form a unitary construction insertable as a unit into the show case, and means including an upright of the show case structure for holding said sham in position within the show case.

1,984,139
PROCESS OF DRESSING ARTIFICIAL SILK
Theodoor Koch, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application October 18, 1933, Serial No. 694,195. In Germany October 18, 1932
5 Claims. (Cl. 28—1)

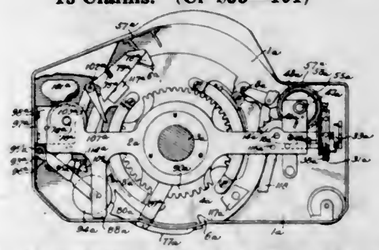
1. A method of protecting artificial silk filaments against the injurious action of products formed from the oxidation of drying oils which comprises first treating the said filaments with a water soluble, hygroscopic, non-volatile organic base of the class consisting of alkylamines, arylamines, and heterocyclic bases, and subsequently applying a sizing agent having contained therein, a drying oil.

1,984,140
AUTOMATIC FIRE AND BURGLAR ALARM
Anton Kohlndorfer, Miesbach/Oberbayern, Germany
Application June 16, 1933, Serial No. 676,102
In Germany May 6, 1932
5 Claims. (Cl. 116—106)



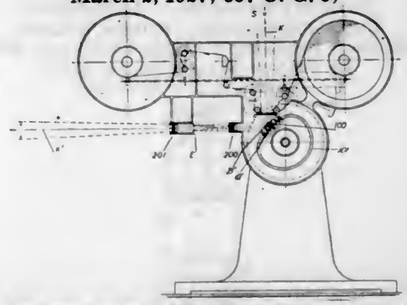
1. Alarm device comprising a signal mechanism, a lever, heat responsive means carried by the latter, a flexible element retaining said lever and the means carried thereby in a condition of unstable equilibrium, and detent means normally supported by the heat responsive means in position to prevent operation of the signal mechanism.

1,984,141
VALUE-STAMPING MACHINE
Erich Komusin, Berlin, Germany, assignor, by mesne assignments, to Johannes Paasch, Magdeburg, Germany
Application June 17, 1929, Serial No. 371,453
In Germany October 14, 1924
13 Claims. (Cl 235—101)



1. A value-stamping machine with a removable registering prepayment key, comprising a main adding mechanism in said machine adapted to be operated only additively so as to be set to the actual cash value of the prepayment, and an adding mechanism in said key adapted to be set to the actual cash value of the prepayment at the same time as the main adding mechanism.

1,984,142
CONTINUOUS PROJECTOR FOR NATURAL COLOR PROJECTION
Wilho A. Kosken, New York, N. Y., assignor to Wilho A. Kosken, Inc., a corporation of New York
Application March 17, 1930, Serial No. 436,563
Renewed May 7, 1934
4 Claims. (Cl. 88—16.4)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a projector for motion pictures in natural color in combination, means adapted to move with continuous uniform motion a film bearing a linear series of sets of positioned images, each image of each set corresponding in black and white to a primary color value of the object from which the image is photographed; means for projecting a light beam through the path of travel of said images and appropriate corresponding color means; stationary plural lens means for combining in said projected beam a number of contiguously grouped images, said number corresponding with the number of images in one of said sets in the form of a combined secondary

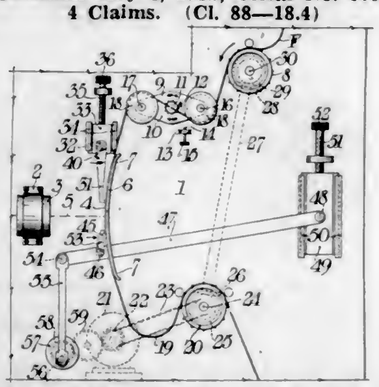
image; a series of continuously moving deflectors compensating for the continuous uniform motion of said film; and means for projecting said secondary image to produce natural color, all said means utilizing the said first mentioned light beam for the true projection of images.

1,984,143

INTERMITTENT FILM MOVING MECHANISM

William A. Kraft, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application May 4, 1932, Serial No. 609,150
4 Claims. (Cl. 88—18.4)



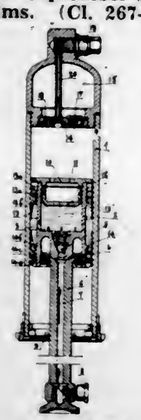
2. In a motion picture pulldown for perforated film, the combination with a curved gate plate, of a hingedly mounted spring pressed locating tooth for locating film on the gate, a back tensioning device for moving a film perforation into contact with the tooth, a pulldown claw mounted to move through a fixed path to engage and release a film perforation and adapted to move film against said back tensioning device, whereby a film perforation may be moved past said locating tooth and may be moved back by said tensioning device to the locating tooth.

1,984,144

PNEUMATIC SHOCK ABSORBER

Eugène Laugaudin, Gentilly, France

Application February 7, 1933, Serial No. 655,662
In France September 26, 1932
5 Claims. (Cl. 267—65)



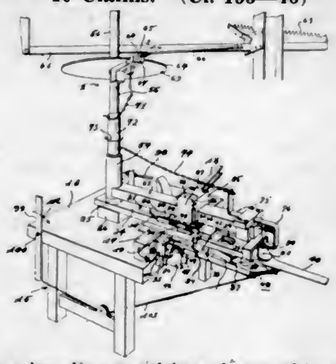
1. A pneumatic shock absorber comprising a cylinder having a closed end, a compensating chamber on said closed end, a leak connection between the said chamber and the cylinder, a duct connection between the chamber and the cylinder and a one way valve on this duct openable towards the chamber, a duct traversing the compensating chamber and having one end adapted for connection to a compressed air supply and leading at its other end into the cylinder, a hollow main piston movable in the said cylinder with peripheral clearance, sealing means such as opposed flexible cup washers spacedly arranged on said piston, whereby an annular chamber is formed between the said piston and the cylinder, the said piston having perforations in its peripheral walls whereby a communication is established between the interior of the said piston and the said annular chamber, the said piston having one closed end connectible to a piston rod and one open end nearer the closed end of the cylinder, and having a duct in the said closed end for connection to a supply of liquid, and a one way valve on this duct openable towards the piston, a perforated plate mounted on the open end of the said piston and a second piston freely movable within the said hollow main piston and adapted to separate a mass of liquid contained in the said hollow piston and a mass of compressed air contained in the cylinder.

1,984,145

POWER BENDING APPARATUS

Chester L. Lewellen, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application July 24, 1933, Serial No. 682,024
10 Claims. (Cl. 153—46)



1. In a bending machine, the combination with a bending fixture movable throughout a predetermined path of travel, of a member mounted for rotation relative to said fixture, means connecting the fixture to said member, power means operatively connected to said member for imparting a rotative movement thereto, means automatically operable to disconnect the power means from the member after a predetermined interval of operation of the latter, and means operable independent of the said last named means to arrest movement of said fixture.

1,984,146

PRODUCTION OF DISODIUM PHOSPHATE

Nils Carlson Lindberg, Crete, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application July 16, 1932, Serial No. 623,009
5 Claims. (Cl. 23—107)

1 In the method of producing purified di-sodium phosphate which comprises producing a solution of di-sodium phosphate by reaction of an acid phosphate with an alkaline sodium compound and heating the completed reaction mixture at controlled concentration and pH until the iron and aluminum impurities have been completely precipitated, and in which the solution is thereafter diluted, the further step which comprises again heating the solution after dilution until iron and aluminum impurities redissolved by the dilution are again completely precipitated.

1,984,147

PROCESS FOR THE PRODUCTION OF CELLULOSE ESTERS AND CORRESPONDING ALKYL ESTERS

Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

No Drawing. Application October 22, 1929, Serial No. 401,631
15 Claims. (Cl. 260—102)

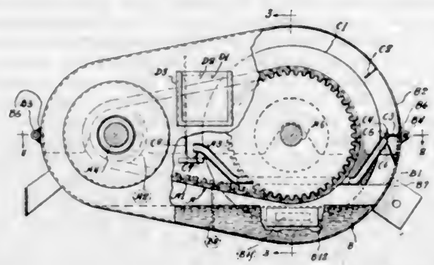
1. In the production of hydrolyzed cellulose acetate from an acetylation bath containing cellulose acetate, acetic acid and an inert organic liquid which with lower aliphatic alcohol will dissolve cellulose acetate, the step which comprises hydrolyzing the cellulose acetate in the presence of a saturated monohydroxy alcohol containing less than three carbon atoms in an amount in excess of that theoretically required to esterify the acetic acid present.

1,984,148

LUBRICATING MECHANISM

Charles B. Morrish, Philadelphia, and William H. Rex, Jr., Willow Grove, Pa., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application December 2, 1932, Serial No. 645,382
16 Claims. (Cl. 184—15)



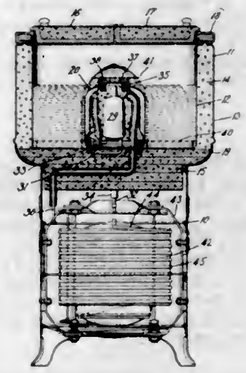
1. In a power transmission device including a pair of shafts having sprockets thereon and having an endless chain threaded about said sprockets, a casing for said chain and sprockets including a lower half having an oil storage compartment in its bottom in alignment with and beneath said chain and sprockets and a lubricating compartment to one side thereof, an oil conductor secured to the lower half of said casing and leading to the inside of the lower strand of the chain and a disk on one of said shafts dipping into said lubricating compartment, a passageway between said compartments having an oil filtering member therein for regulating the extent to which said disk dips into the oil, and means cooperating with said disk for transmitting oil onto said conductor including an upper half of said casing detachably secured to said lower half and having means carried thereby for collecting the oil and transmitting it onto said conductor.

1,984,149

BEVERAGE COOLING APPARATUS

Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 5, 1932, Serial No. 641,391
3 Claims. (Cl. 62—143)



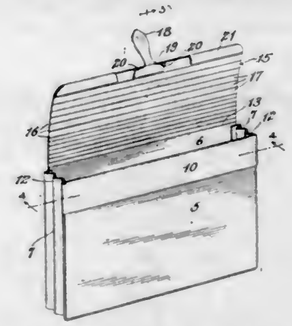
1. A cooling apparatus for bottled beverages and the like including a supporting frame, a thermally insulated tank supported on said frame, a refrigerant evaporator arranged within said tank, means including a float valve arranged within and insulated from said evaporator for controlling the flow of refrigerant to said evaporator, and means supported within said frame for supplying liquid refrigerant to said float valve and for withdrawing gaseous refrigerant from said evaporator.

1,984,150

EXPANSIBLE CONTAINER

Nathan Ottinger, New York, N. Y.

Application March 16, 1934, Serial No. 715,813
7 Claims. (Cl. 150—7)



1. In an expansible container having front and rear walls and expansible means connecting the bottom and opposite end edges of said walls; an external, downwardly opening pocket on said front wall, extending across the outer side thereof, a closure flap extending from the upper end of said rear wall and foldable over the open top of the container and upon the wall of said pocket, said flap embodying means extending longitudinally of the pocket and enabling selected portions thereof of variable width to be inserted upwardly into the pocket, and said means cooperating with the lower edge of the pocket wall to prevent release of the closure flap and retain the same in closely superposed relation to the open top of the container.

1,984,151
ALLOY
Roy E. Paine, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application November 9, 1933, Serial No. 697,318
2 Claims. (Cl. 75—1)

1. A magnesium base alloy containing from 0.5 per cent to 8.0 per cent of silver, the balance being substantially magnesium.

1,984,152
ALLOY
Roy E. Paine, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application November 9, 1933, Serial No. 697,327
2 Claims. (Cl. 75—1)

1. An alloy containing from about 0.5 per cent to about 15.0 per cent of copper and from about 0.5 per cent to about 20.0 per cent of tin, the balance being magnesium.

1,984,153
SYNTHETIC RESIN AND COMPOSITION CONTAINING IT
Gordon D. Patterson, Wilmington, and Roy Allen Shive, Bellemoor, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 26, 1929, Serial No. 402,790
6 Claims. (Cl. 260—8)

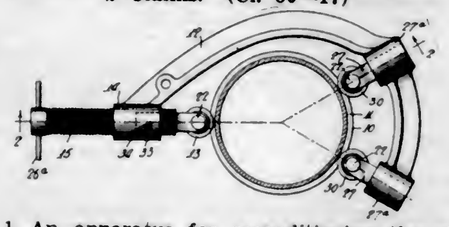
1. A composition of matter comprising the resinous reaction product of glycerol, phthalic anhydride, and a member of the group which consists of drying oils and drying oil acids, litharge in the ratio of from substantially 1–10% of the weight of the resin, and pigment and solvent, said composition drying rapidly and being highly water resistant when laid down in thin films.

1,984,154
CLEANING DEVICE
Salvatore Pilato, Brooklyn, N. Y.
Application January 31, 1933, Serial No. 654,393
4 Claims. (Cl. 15—220)



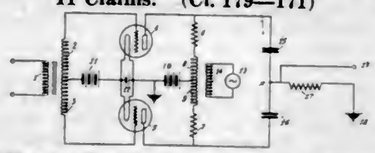
1. A window washing device comprising a flat, stiff handle adapted to be inserted between the sashes of a double hung window and to be substantially rigid against stress parallel to the window panes while allowing flexing transversely to the window whereby the device may be inserted between the sashes, resiliently compressible water carrying means secured to one end of said handle and having opposite flat surfaces adapted simultaneously to rub against the opposite window panes, said water carrying means being thinner when compressed together than the space between said sashes and adapted resiliently to expand against the panes on both sashes.

1,984,155
SWAGING TOOL FOR PISTON RING GROOVES
Carroll W. Prochaska, New York, N. Y., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application May 6, 1932, Serial No. 609,581
2 Claims. (Cl. 80—17)



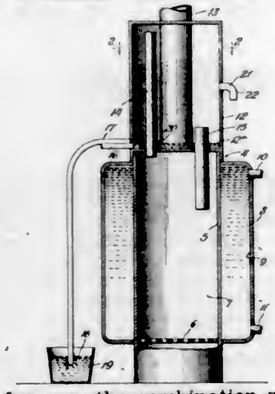
1. An apparatus for reconditioning the circumferential ring groove of a piston, which has been worn to enlarged width, including a frame, a pair of spaced spindles, said frame being provided with spaced apertures for receiving said spindles, means mounted on the inner ends of said spindles for engaging the groove at circumferentially spaced sections and for bearing on the outer periphery of said piston, whereby said frame is guided in a plane parallel to the plane of the groove to be reconditioned when said frame is rotated about the piston, said spindles being free to swivel to permit the means on the inner ends thereof to conform with the circumferential shape of the groove, and a swaging mechanism carried by said frame and adapted to swage the material on one side of the groove to force said material towards the interior of said groove, said mechanism being positioned to engage the periphery of the piston at a section oppositely to said bearing and guide means, said frame having the ends thereof spaced to provide an opening, whereby said frame may be easily straddled in position over said piston, and the groove being reconditioned readily inspected and gauged while said apparatus is in operating position with respect to said piston.

1,984,156
MODULATION SYSTEM
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr.
Application May 18, 1929, Serial No. 364,222
11 Claims. (Cl. 179—171)



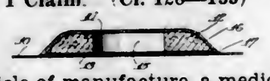
10. The method of eliminating a carrier and transmitting a modulated side band which comprises impressing high frequency energy differentially across two paths, non-linearly impeding at audiofrequencies the passage through said paths differentially, and capacitively coupling a load circuit across said paths.

1,984,157
FURNACE
William Ryan, Chicago, Ill.
Application March 30, 1931, Serial No. 526,531
8 Claims. (Cl. 110—49)



1. In a furnace, the combination with a combustion chamber occupied by hot gaseous fluid produced by ignition of fuel in the furnace, a stack in communication with said chamber, a receptacle closed to said stack, and a pipe normally open to said chamber and opening into said receptacle, said receptacle having an outlet located below the upper end of said pipe and communicating with said chamber, whereby the fluid entering said receptacle gravitates therein through said outlet back into said chamber, said receptacle containing an opening to the atmosphere below the top of said inlet pipe.

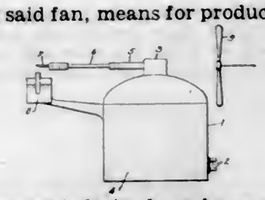
1,984,158
MEDICAL PAD
William M. Scholl, Chicago, Ill., assignor to The Scholl Mfg. Co., Chicago, Ill., a corporation of New York
Application June 10, 1931, Serial No. 543,297
1 Claim. (Cl. 128—153)



As an article of manufacture, a medical pad for application to the human body adjacent an afflicted area and adapted to relieve said area by transferring pressure therefrom to a normal area, said pad comprising a substantially flat member of cushioning material having an adhesive undersurface for attaching said member to a body, said member having a sloping margin, and a flexible covering adhesively secured over said member and extending to the lowermost peripheral edge of said sloping margin to thereby cover the exposed surface of said member when the pad is in use and retain the general shape of said member as the resultant shape of the pad, the lower edge of said covering being cut at such an angle as to lie flat against the body of a user when said pad is in use.

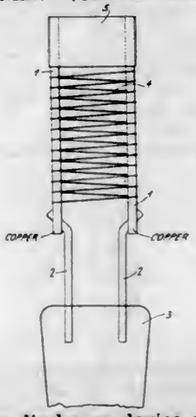
1,984,159
INHALING DEVICE
Theodor Schwedenberg, Berlin-Charlottenburg, and Rudolf Aüerbach, Neuenhagen, near Berlin, Germany, assignors to General Electric Company, Schenectady, N. Y.
Application November 23, 1932, Serial No. 644,114
In Germany November 26, 1931
2 Claims. (Cl. 204—32)

1. A device for producing ionized air for inhalation comprising a fan, a point electrode arranged in front of said fan, means for producing a flow of



steam along said electrode and means for charging said point electrode with a high D. C. voltage.

1,984,160
GRID CONSTRUCTION
Douglas Y. Smith, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 9, 1932, Serial No. 632,297
5 Claims. (Cl. 250—27.5)

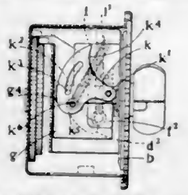


2. An electron discharge device comprising an envelope and a plurality of electrodes including a grid comprising a pair of support rods around which a helical grid wire is wound, and a black coated metal plate carried by said support rods.

1,984,161
COIN CONTROLLED MECHANISM FOR GAS AND SIMILAR METERS
Ernest William Smith, London, and Arthur Charles, Streatham Vale, London, England
Application April 30, 1934, Serial No. 723,270
In Great Britain June 28, 1932
9 Claims. (Cl. 194—72)

1. In coin actuated mechanism for gas and similar meters and other like mechanisms, in which coins inserted into a coin holder are retained by pressure exerted in a direction transverse to that of the movement of the coin entering the coin pocket of the coin holder, which coin actuates an operating member, the combination with a coin holder having a coin pocket, and a coin-actuated operating member, of an element positioned within the coin pocket and presenting a coin-engaging surface through which pressure is directly applied to the coin in the coin pocket, means connecting the said element with the operating member such that the element has a rotational movement of limited range independent of the movement of the operating member, and a spring for exerting through the said element pressure upon a coin within the coin pocket, the said element being so formed that the coin-engaging surface normally occupies a position inclined or transverse to the path of entry of the coin into the coin pocket, such that a coin of the size for which

the coin pocket is intended, in entering the coin pocket, will rotate the element into a position to apply pressure to maintain it in the coin pocket and will move the operating member into an op-



erative position, while a coin of a smaller size will fail to depress the element into the position for retention and will fail to move the operating member into the operative position.

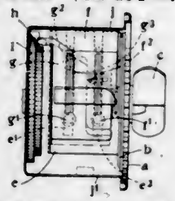
1,984,162

PREPAYMENT MECHANISM FOR GAS AND SIMILAR METERS

Ernest William Smith, London, and Arthur Charles, Streatham Vale, London, England

Original application May 2, 1933, Serial No. 668,950. Divided and this application April 30, 1934, Serial No. 723,271. In Great Britain March 23, 1932

7 Claims. (Cl. 194—72)



1. Coin-actuated mechanism for gas and similar meters adapted for selective actuation by either of two coins, such as a shilling and a penny, embodying a rotary coin holder provided with separate and adjacent coin slots and separate strikers for actuation by the respective coins, said strikers having coin pockets so relatively arranged for coaction with the coins that the striker corresponding to the coin of smaller value is adapted to be independently operated by such coin while the striker for the coin of higher value when actuated thereby causes also the simultaneous actuation of the first striker.

1,984,163

EARTHENWARE BODY

Ira Elmer Sproat, Covington, Ohio, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Continuation of application Serial No. 560,871, September 2, 1931. This application August 24, 1932, Serial No. 630,247

12 Claims. (Cl. 106—10)

1. Semi-vitreous earthenware bodies made from a mixture comprising clay and at least 10% of pyrophyllite.

1,984,164

PROCESS AND APPARATUS FOR PURIFYING AIR VITIATED WITH MERCURY VAPORS

Alfred Stock, Karlsruhe, Germany, assignor to Degea Aktiengesellschaft (Auergesellschaft), Berlin, Germany, a corporation of Germany

No Drawing. Application June 27, 1932, Serial No. 619,518. In Germany June 30, 1931

5 Claims. (Cl. 23—4)

1. The process of purifying air vitiated with mercury vapors, which consists in removing said vapors by means of an adsorption agent impregnated with a halogen.

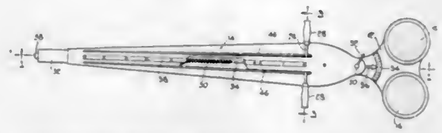
1,984,165

HEALTH APPARATUS

John M. Tolchin, New York, N. Y.

Application February 5, 1934, Serial No. 709,708

16 Claims. (Cl. 272—79)



1. An apparatus of the class described comprising a knee plate, an elongated extension or guide secured thereto, the resulting assembly being adapted to rest flat on the floor, a handle bar extending transversely of and being reciprocable along said extension, the parts being so dimensioned that the user kneeling on the knee plate can move the handle bar from a near position which brings the body into a crouch to a far position which stretches the body at full length.

1,984,166

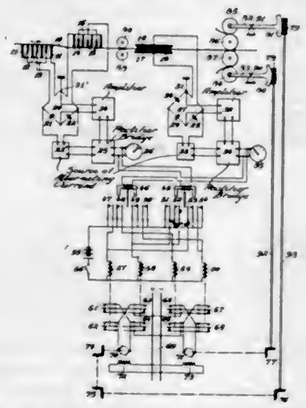
METHOD AND DEVICE FOR DETERMINING THE PROPERTIES OF STRATIFIED OR FIBRILLATED MATERIALS

Hans Walter, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application January 6, 1931, Serial No. 506,858

In Germany April 26, 1930

31 Claims. (Cl. 18—2)



19. In a device for manufacturing by means of four-roller-calenders, tissues gummed on both sides, two condensers located respectively on opposite sides of such tissue and having electrodes arranged in such a manner that the electric field in the dielectric runs entirely or partly in parallel with the plane of said tissue, connected symmetrically in an electric measuring device, means for controlling the thickness of the individual rubber layers, acted on by said measuring device, a measuring instrument indicating differences in thickness of the two layers, and a third condenser having electrodes on opposite sides of the path of said gum tissue whereby the electrical field in the dielectric will run substantially perpendicular to the direction of the rubber layers so that the capacity of said third condenser will be a measure of the thickness of the two rubber layers together.

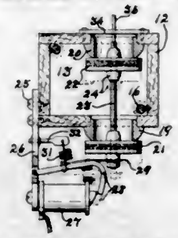
1,984,167

BALANCED VALVE FOR PIPE ORGANS

John F. Wick, Highland, Ill., assignor to Wicks Pipe Organ Co., Highland, Ill., a corporation of Illinois

Application November 8, 1933, Serial No. 697,114

7 Claims. (Cl. 84—335)



1. A balanced valve device for controlling the admission of air from the wind chest to the pipe of an organ provided with means for operating the same, said device comprising a chamber mounted in open communication with the air passage to said pipe, a pair of air ports of substantially equal size on said chamber, a stem and a pair of valve elements secured thereon for said ports, one element opening inwardly with the air pressure to the chamber and the other opening outwardly against the air pressure to the chamber, and a bridge member mounted across the port of said inwardly opening element serving to reduce the size of this port and to act as a guide for said stem.

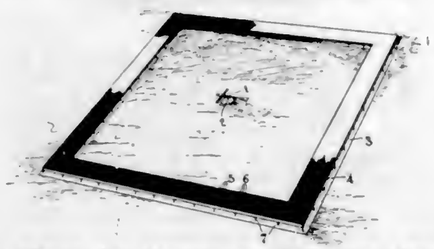
1,984,168

WIND T LOCATOR

Arthur M. Wilhelm, Randolph, N. Y.

Application February 27, 1931, Serial No. 518,846

5 Claims. (Cl. 40—130)



5. Means for locating an indicating device comprising a framing body substantially encircling such device and spaced outwardly therefrom so as to clearly mark and emphasize the device, said framing body being elevated above the ground and having its top surface spaced from the ground throughout, such top surface being foraminous for passing falling matter therethrough, whereby such framing body will have its top surface maintained substantially free and clear of obscurely falling matter.

1,984,169

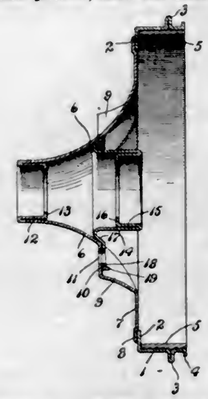
WHEEL HUB AND BRAKE DRUM

Ira A. Wyant, Muskegon, and Charles W. Dake, Grand Haven, Mich., assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich., a corporation of Michigan

Application January 16, 1933, Serial No. 651,876

4 Claims. (Cl. 301—6)

3. A device of the class described comprising a drawn steel hub member progressively enlarging from its outer end toward its inner side and formed with a plurality of spaced apart outwardly extending embossed portions around it, the inner side of said hub member comprising an outwardly extending flange adapted to be located substantially in a radial plane, and an inner hub member



of annular shape comprising a bearing cup having a radially extending portion located against and adapted to be fastened to the inner side of said hub, said embossed portions being located radially outward from the innermost points of contact between the inner side of the hub and the radially extending portion of the cup.

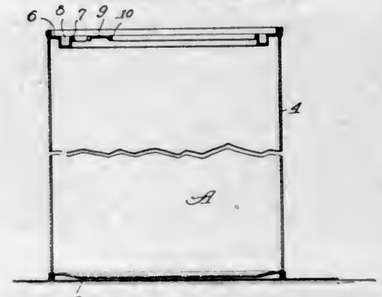
1,984,170

CONTAINER

Arthur A. Archbold, Jr., Berwyn, Ill., assignor of one-half to S. E. Andrews, Chicago, Ill.

Application September 15, 1932, Serial No. 633,356

1 Claim. (Cl. 220—90)



A container for paint and the like, comprising a cylindrical shell having a bottom closure at one end and a crown mounted on the other, said crown being provided with an inner annulus and an imperforate cross bar stamped integrally therewith and positioned to provide a spaced opening for stirring between said annulus and cross bar, said cross bar having a straight edge adapted to return excess paint to the container.

1,984,171

COMPRESSOR UNLOADER

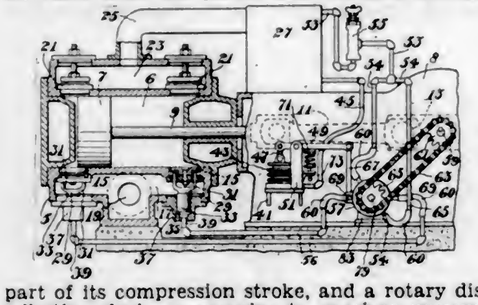
Charles S. Baker, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 20, 1932, Serial No. 638,750

7 Claims. (Cl. 230—25)

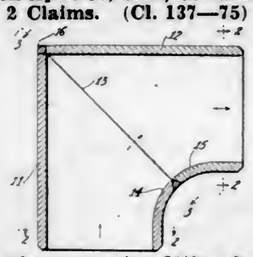
1. In a compressor, a cylinder, a piston reciprocable therein, automatic inlet valves normally opened and closed in response to pressures cre-

ated by reciprocation of the piston, a receiver for pressure fluid discharged by the compressor, individual pressure responsive means for each inlet valve to delay automatic closing of the inlet valve until the piston has traveled through



part of its compression stroke, and a rotary distributing device responsive to receiver pressure to control the distribution of pressure fluid to the said means and thus the duration of said delay.

1,984,172
PIPE BEND
George W. Brownley, New York, N. Y.
Application April 30, 1932, Serial No. 608,412
2 Claims. (Cl. 137—75)



1. An angular connector fitting for connecting lengths of pipe comprising, in combination, two round tubular elements abutting in a plane disposed at an angle to the transverse axis through each tubular element, each of said tubular elements being flared out laterally on one side only adjacent the abutting ends, the tubular elements being positioned relative to each other to provide the connector with a rounded inner corner and an angular outer corner, and a weld jointing the abutting edges of the tubular elements.

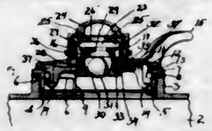
1,984,173
COMPOSITION OF MATTER, ETC.
Charles H. Champion, New York, N. Y., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 13, 1931, Serial No. 537,205. Renewed October 25, 1934
2 Claims. (Cl. 134—18)

1. A new composition consisting of a dry mixture of calcium carbonate, alum and lime, all in a finely divided state, the calcium carbonate being present in preponderating amount, the amount of alum being insufficient to react with all of the calcium carbonate and the proportion of alum to lime varying from about equal proportions to about five times as much alum as lime or more, said dry composition being adapted to be shipped and stored and used in predetermined amounts with water, with resulting reaction of the alum and lime in the presence of the calcium carbonate to form a reaction mixture containing the calcium carbonate in suspension in the reaction products of the alum and lime.

1,984,174
MERCURATED HYDROXY ARYL SULPHIDES
Walter G. Christiansen, Glen Ridge, N. J., and Eugene Moness, Brooklyn, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 2, 1933, Serial No. 674,050
10 Claims. (Cl. 260—13)

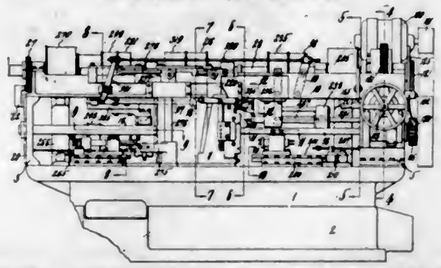
1. Mercurated hydroxy aryl sulphides.

1,984,175
TANK TRUCK FILLING PLUG
George H. Clay and Harry W. Bailey, Kansas City, Mo.
Application October 22, 1932, Serial No. 639,071
1 Claim. (Cl. 220—24)



The combination with a tank having a filling neck, a collar hingedly connected to the tank, a cap for the filling neck larger than and underlying the collar and provided with an upstanding tubular portion swivelled in the collar, the cap and neck having a bayonet wedge-joint connection for the clamping of the former upon the latter, and a hood fitting over and secured to the upper end of the tubular portion of the cap and provided with a depending skirt overlying the said collar to prevent accidental disengagement between the cap and the collar when the latter is operated to withdraw the cap from the neck of the tank.

1,984,176
DOUBLE END AUTOMATIC LATHE
Frank L. Cone, Windsor, Vt.
Application December 9, 1931, Serial No. 579,914
17 Claims. (Cl. 29—38)

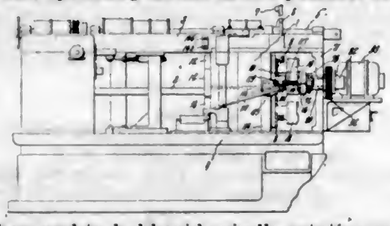


1. In combination, a turret having means for supporting a plurality of pieces of work extending therebeyond at opposite ends, means for grasping the work adjacent to each end, means for simultaneously opening or closing the work-grasping means, means for indexing said turret, tools for operating on the extended end portions of the work at certain of the indexed stations, and means for causing and controlling the operations of said tools.

1,984,177
CHUCKING MECHANISM
Frank L. Cone, Windsor, Vt.
Application May 19, 1932, Serial No. 612,188
20 Claims. (Cl. 29—38)

1. In combination, a work spindle, a chuck on said spindle, means for rotating said spindle, means for opening and closing said chuck, operating means for said chuck opening and closing means, a movable handle member, and operative connections from said movable member to said

means to retain said spindle operatively coupled to said rotating means and said chuck opening and closing means out of operative connection with said operating means in one position of said

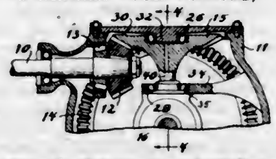


member, and to hold said spindle rotating means disconnected from said spindle, and said operating means operatively coupled to said chuck opening and closing means in another position of said member.

1,984,178
VITREOUS MATERIAL AND PROCESS OF MAKING SAME
Philip K. Devers, Lynn, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 27, 1932, Serial No. 589,310
5 Claims. (Cl. 106—12)

1. An insulating composition having essentially the properties of fused silica but being characterized by improved workability when plastic and decreased brittleness, said composition consisting mainly of silica and containing as constituents about ½ to 1½ per cent of beryllium oxide and about ⅓ to 2 per cent of aluminum oxide.

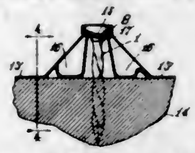
1,984,179
VEHICLE DRIVING MEANS
Alexander S. Diack, Detroit, Mich.
Application July 24, 1933, Serial No. 681,905
6 Claims. (Cl. 74—314)



1. A combined driving and differential construction for automotive vehicles, comprising a resiliently mounted axle casing, driving wheels rotatably carried at its ends by the axle casing, axle spindles for the wheels journaled in the casing, a differential housing portion carried by the casing intermediate its ends and into which the spindles project, a differential mechanism within said housing portion and connected to the shafts and means for driving the differential means including a bevel ring gear journaled on a substantially horizontal axis coincident with the axle spindles, an idler arranged in front of the ring gear and meshing therewith at a point lying on a vertical line extending perpendicularly thru the extended axis of the ring gear, and a driving pinion also arranged partially in front of the ring gear and meshing with said idler.

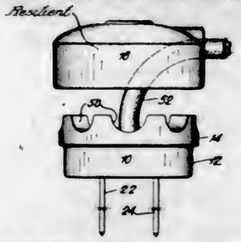
1,984,180
WEATHERPROOF NAIL
William C. Dickson, Evanston, Ill.
Application June 15, 1931, Serial No. 544,388
3 Claims. (Cl. 108—33)

3. A combined fastening and sealing device for ridged metal roofing comprising a nail having a head and a shank, said shank beneath the head being of spiral formation terminating in a point, whereby to enable the nail to be hammer-driven into position through one of the ridges, thereby to have rotation imparted to it during said driving, and a sealing member associated with the head to seal the opening in the ridge of the roof-



ing resultant from the driving of the nail through the roofing, said sealing member being formed of metal softer than that of the roofing and of such size as to conform to and to seal the opening in the ridge of the roofing and to form locking members engaging either side of the ridge of the roofing to prevent reverse turning of the shank.

1,984,181
ATTACHMENT PLUG
Stanley F. French, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application March 24, 1933, Serial No. 662,417
1 Claim. (Cl. 173—361)



An electric attachment plug comprising an insulator base carrying contact prongs which extend outwardly from the front face thereof, a conductor passageway extending through the base between said prongs, and a plurality of grooved portions on the rear face of the base branching outwardly from the conductor passageway and a cap of resilient material tensioned over said base and having a lateral opening therein adapted to be aligned with any one of said grooved portions so as to position the conductor at a selected angular relationship relatively to said prongs.

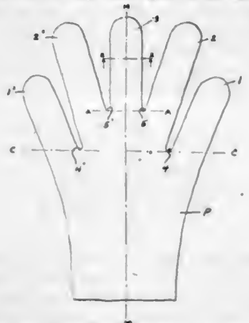
1,984,182
PIGMENT
Albert E. Gessler, Yonkers, N. Y., assignor to Zinsser & Company, Incorporated, Hastings-on-Hudson, N. Y., a corporation of New York
No Drawing. Application July 30, 1929, Serial No. 382,291
18 Claims. (Cl. 134—58)

7. Process of preparing oil-containing material comprising adding a soap forming fatty acid to an oil, forming an oil-in-water emulsion, intermixing therewith a pigment suspension, and then precipitating the pigment particles upon the oil particles.

1,984,183
GLOVE
William H. Gillespie, Oakland, Calif.
Application September 6, 1933, Serial No. 688,314
8 Claims. (Cl. 2—159)

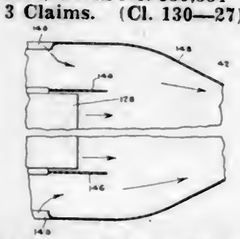
1. A five-fingered glove adapted to the hand of a wearer in which the first and fifth fingers thereof are substantially identical in shape and size and are symmetrically positioned on opposite

sides of a medial line extending longitudinally of the glove whereby the glove is adapted to be



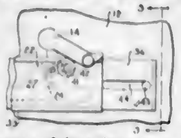
worn in reversed position on the same hand of the wearer without turning the glove inside out.

1,984,184
COMBINE HARVESTER
Carl A. Grasswick, Valley City, N. Dak., assignor of one-third to Mina E. Eggen, Minneapolis, Minn.
Original application March 16, 1931, Serial No. 522,845, now Patent No. 1,897,661, dated February 14, 1933. Divided and this application February 13, 1933, Serial No. 656,554
3 Claims. (Cl. 130—27)



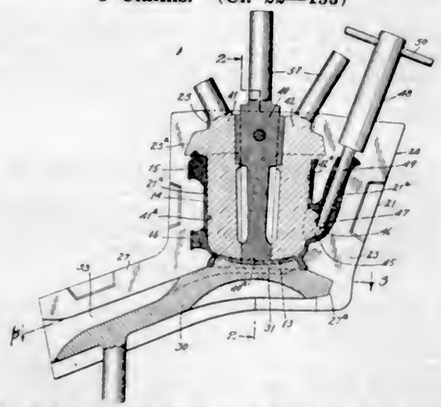
1. In a machine of the class described, the combination of a frame, a threshing cylinder carried by said frame, a housing for said cylinder having a discharge opening in its rear wall, a separator, a tubular conveyor leading from said discharge opening to said separator, and blowing means at the ends of said cylinder which discharge into said tubular conveyor close to the rear of said discharge opening for sucking the threshed material from said cylinder directly into said conveyor and forcing it along the latter to said separator.

1,984,185
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware
Application April 23, 1931, Serial No. 532,154
2 Claims. (Cl. 235—54)



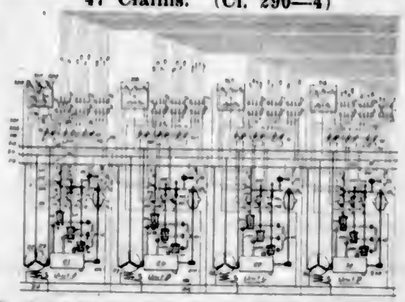
1. In a voting machine having a face plate, a row of candidate indicators on the face plate, a party lever, bars adjacent the rear of the face plate of said machine connected with said party lever, a pin projecting through suitable openings in said bars to operate an indicator, said face plate having a slot for receiving the head of said pin, and permitting normal movement of said bars by manipulation of said party lever, a strip on said face plate, said strip having an opening and being movable to two positions, in one of which said opening registers with said slot to permit removal of said pin from said bars and in the second position said opening is out of registry with said slot, said pin being then retained in operative position by said strip.

1,984,186
PERMANENT MOLD
David W. Haber, Bronx, N. Y.
Application January 19, 1933, Serial No. 652,470
3 Claims. (Cl. 22—153)



1. A die for molding a receptacle for liquids, having a body portion and an integral tubular spout, comprising a pair of mating female die sections having complementary recesses formed with inner surfaces conforming to the outer surfaces of said body portion and spout portion, a central male die section and a pair of male die sections disposed on opposite sides of said central male die section, said male sections being received within the recess formed by said female sections, one of said male sections having a projection extending into that portion of the complementary recesses of said female sections which forms the outer surface of the spout, and a member received between said female sections having a pin portion disposed substantially axially of said portion of said complementary recesses, the end of said spout contacting said projection for molding the opening within said spout.

1,984,187
REGULATING SYSTEM
Arnold P. Hayward, Bellevue, and Thomas E. Purcell, Pittsburgh, Pa.
Application April 19, 1932, Serial No. 606,200
47 Claims. (Cl. 290—4)

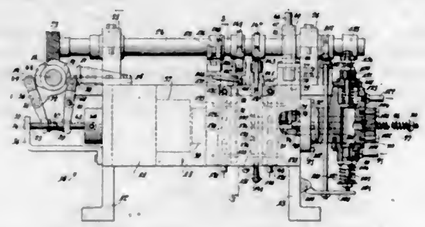


30. A system of program-load control for a plurality of parallel-operated machines comprising equipment, including a control routing device and machine-load-change responsive means associated therewith for transferring in accordance with a predetermined program the control of a load-adjusting regulator from one group of machines to another group upon predetermined conditions of loading of the machines under regulator control.

1,984,188
CALCIUM SULPHITE AND PAPER CONTAINING THE SAME
Gerald Haywood, Westernport, Md., assignor to Industrial Chemical Sales Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 8, 1933, Serial No. 660,032
15 Claims. (Cl. 91—68)

15. As an article of manufacture a paper sheet containing a filler having calcium sulphite as a principal ingredient quantitatively.

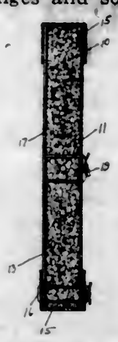
1,984,189
AUTOMATIC DIE CASTING MACHINE
Hugo Hoffmann, New York, N. Y., and Max Luedtke, Wechawken, N. J.
Application December 27, 1932, Serial No. 648,890
7 Claims. (Cl. 22—68)



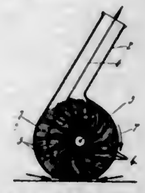
3. A device including a mold having a plurality of sections one of which is movable to close the mold, a container for molten metal, means for supplying heat thereto, a passage intercommunicating the mold and container, a combined valve and measuring means for measuring the quantity of metal flowing into the passage, a piston means in the passage for expelling the metal into the mold and exerting pressure on the metal therein, actuator means for successively closing the mold, causing the measured quantity of metal to be supplied to the passage, and causing the piston means to operate and exert pressure on the metal in the mold, said actuator means opening said mold after the metal therein has solidified, and means for ejecting the article from the mold.

1,984,190
MINERAL FIBER SOUNDPROOF PANEL
Kenneth W. Huffine, Alexandria, Ind., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind., a corporation of Delaware
Application July 27, 1928, Serial No. 295,672
5 Claims. (Cl. 154—44)

1. A preassembled unit comprising a box-like container formed of sheet material and having a closed back and channel-shaped edge sections terminating in inwardly extending flanges defining an open face therebetween, a filling of sound-absorbing material within said container, and a sound-permeable membrane interposed between said flanges and sound-absorbing material and extending over the face of the said filling.



1,984,191
VACUUM CLEANING DEVICE
Carl Kühnel, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application January 6, 1934, Serial No. 705,522
In Germany November 29, 1932
1 Claim. (Cl. 15—8)

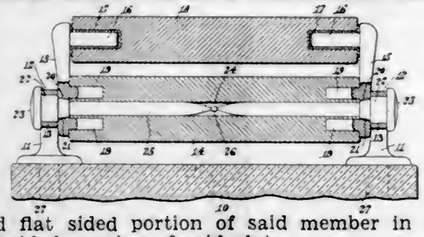


A vacuum-operated polishing brush for polishing surfaces, comprising a cylindrical casing having means for connecting it to a suction tube, and having an opening in its peripheral wall facing and extending substantially parallel with the surface to be polished, a cylindrical brush rotatably mounted in said casing eccentrically of the casing axis, and having a plurality of rows of radially extending bristles sufficiently long to always remain in contact with the casing wall, and a plurality of blades of non-porous elastic material radially mounted on said brush and spaced at suitable intervals between said rows of bristles, said blades being slightly shorter than the bristles, but long enough to always remain at their outer edges in contact with the casing wall.

1,984,192
HINGE CONNECTION FOR WATER CLOSET SEATS AND COVERS
Howard C. Leslie, Milton, Mass., assignor to BRE Manufacturing Co., Hyde Park, Mass., a corporation of Massachusetts
Application April 8, 1933, Serial No. 665,134
10 Claims. (Cl. 4—236)

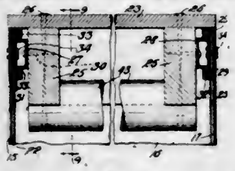
1. In a device of the class described, a pair of supports mounted on a hopper and having their upper ends curved forwardly and provided with alined cylindrical holes extending therethrough; a seat having a rearwardly extending projection; an end plate secured to each side wall of said projection and movable with said seat, each plate having a flat sided opening therethrough; a cylindrical member extending from said seat projection through the hole of each support and

having a reduced flat sided portion fitting said opening; and means for permanently retaining



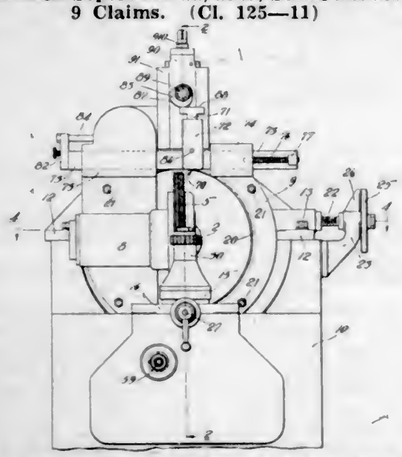
said flat sided portion of said member in the flat sided opening of said plate.

1,984,193
CLOSET OR WARDROBE
Joseph N. Lowe, New York, N. Y.
Application September 1, 1933, Serial No. 687,745
2 Claims. (Cl. 312—144)



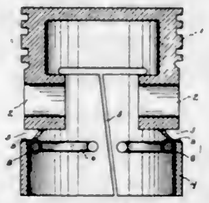
1. A closet or wardrobe, comprising a rectangular body having stiff walls hinged together along vertical parallel lines, one of the walls serving as a door, and detachable rectangular closures forming the upper and lower ends of the closet at right angles to the parallel hinge connections, each closure having a rectangular reinforcing frame beyond which the edges of the closure slightly project, the opposite side edges of each frame having parallel slides, the opposite walls at right angles to the door having transverse parallel guides for engagement by the slides, whereby at the same time that the ends are provided by the closures the closures hold such opposite walls against separation and produce a self-sustaining closet.

1,984,194
GEAR FINISHING GENERATING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application September 21, 1928, Serial No. 307,383
9 Claims. (Cl. 125—11)



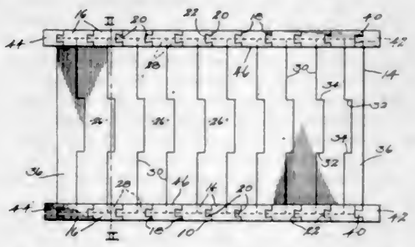
1. In a machine of the character described, for truing an abrading tool having a helicoidal active surface and means for rotating said tool, a truing tool therefor, a carrier for said truing tool arranged to move in a path transverse to the said helicoidal surface, and means for so moving said carrier at a uniform rate comprising a cam rotatable about an axis transverse to said path and having an active face which is an involute curve, and an abutment on the carrier coacting with said cam face.

1,984,195
PISTON SKIRT EXPANDER
Harold O. Mills, Jackson, Mich.
Application November 3, 1932, Serial No. 641,004
5 Claims. (Cl. 309—12)



1. A piston skirt expander comprising an arcuate spring member of arcuate cross section, supporting clips secured to and spaced along said member having transverse overhanging shoulders, a portion of said clips being closely wrapped around said member and extending circumferentially of the same a sufficient distance to resist rotation thereupon, said shoulders being adapted to be supported upon transverse shoulders in the piston and retained in position by the expanding action of the member.

1,984,196
INTERLOCKING CULVERT
Frank J. Moss, Kansas City, Mo.
Application October 26, 1932, Serial No. 639,566
6 Claims. (Cl. 61—16)



1. A culvert of the character described comprising a longitudinally grooved top and bottom; a series of edge-to-edge sections fitted into said grooves to form sides; and a locking rail having means for slidably engaging a section to close each end respectively of said grooves.

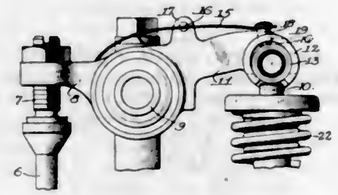
1,984,197
CENTRIFUGAL MOLDING MACHINE
Justus F. Ne Page, Seattle, Wash., assignor to Ne Page McKenny Co., Seattle, Wash., a corporation of Washington
Application August 21, 1931, Serial No. 558,529
11 Claims. (Cl. 25—30)

1. In a centrifugal molding machine, the combination of an annular base track, a plurality of rollers adapted to traverse said track, a rotatively driven upright mold supported by said rollers and arcuate means projecting above said base track



for vibrating said mold through the intermediacy of said rollers.

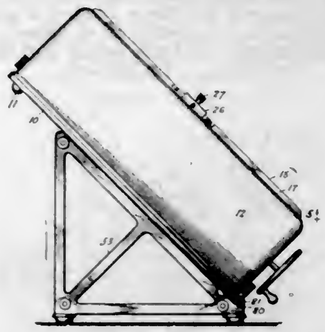
1,984,198
VALVE OPERATING DEVICE
Harry L. Notter, Chicago, Ill.
Application December 5, 1930, Serial No. 500,268
2 Claims. (Cl. 123—90)



1. In an apparatus of the character set forth, the combination of a push rod, a valve rocker, an adjusting screw connecting one arm of the valve rocker and the push rod, a bearing at the outer end of the other rocker arm having an oval shaped opening therein, the largest dimension of which is at an angle to the vertical, a roller mounted in said bearing and having annular grooves therein, a valve stem projecting through the side of the bearing and engaging with the roller, a lug on said rocker, a bifurcated spring having one end engaging with the rocker, a fulcrum passing through the lug and engaging with the bifurcated portions of the spring, and pins on the ends of the bifurcated portion of the spring projecting through holes in the side of the bearing and engaging with the annular grooves in said roller.

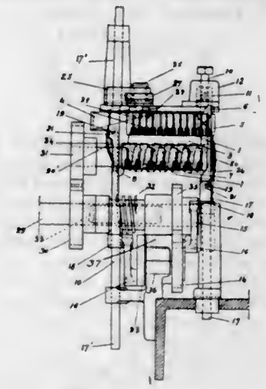
1,984,199
SPREAD SHEET CONTROL MACHINE
Moses E. O'Brien, Brooklyn, N. Y.
Application January 29, 1930, Serial No. 424,432
16 Claims. (Cl. 281—7)

1. In a machine of the character described, a casing having an opening therein through which part of a sheet is exposed, a platen in the opening and independent of the casing for supporting the exposed part of the sheet, guides having grooves therein for the reception of the edges of the sheet at the ends of said platen, curved ends on said guides for directing the sheet toward the interior of the casing, and revoluble anti-friction means within the casing for carrying the ends of the



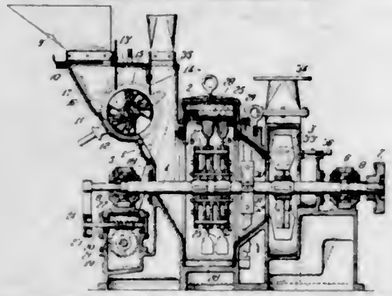
sheet in roll form, and for moving the sheet in either direction across the opening.

1,984,200
CONTROLLING AND GUIDING DEVICE FOR THE FALLER BARS OF GILL BOXES
Robert Schlumberger, Guebwiller, France, assignor to Society "Nouvelle Societe de Construction, ci-devant N. Schlumberger & Cie", Guebwiller, France
Application June 30, 1931, Serial No. 547,952
In France August 13, 1930
7 Claims. (Cl. 19—129)



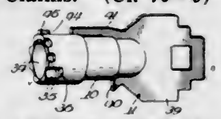
1. A gill box drawing mechanism comprising a table including upper and lower guide tracks, a plurality of faller bars having teeth at their ends, said bars being movable along the guide tracks, toothed propelling wheels oppositely mounted on the table at the rear end of the upper guide track to engage the opposite toothed ends of the faller bars to move said bars forward on the upper guide track, means for propelling the faller bars rearward on the lower guide track, and opposite pinions mounted on the table at the front end of the upper guide to engage the opposite toothed ends of the faller bars as said bars approach the end of their travel on the upper guide track, said pinions operating to retard the forward movement of the bars on the upper guide track to compact the bars on said track and said pinions also operating to guide the bars from the upper guide track to the lower guide track and to the propelling means for moving the bars rearward on the lower guide track.

1,984,201
PROCESS FOR CALCINING GYPSUM
William B. Senseman, Los Angeles, Calif., assignor to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill., a corporation of Illinois
Application March 23, 1928, Serial No. 264,182
9 Claims. (Cl. 222—6)



1. The process of removing water of crystallization or combined water from a solid material, which consists in introducing the material and hot gases into an enclosed space, grinding the material while in said space in the presence of the hot gases, removing the ground material and separating the gases and steam therefrom.

1,984,202
KEY FOR LOCKS
Lyle B. Shinn, Chicago, Ill., assignor to Chicago Lock Company, Chicago, Ill.
Application September 4, 1934, Serial No. 742,522
5 Claims. (Cl. 70—9)

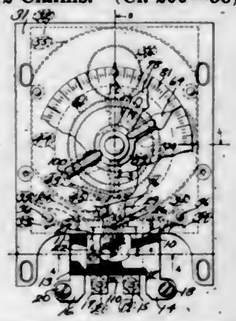


1. As a new article of manufacture, a key for a lock having a barrel and a cylindrically shaped plug rotatably mounted in the barrel and adapted to be locked in place by an annular series of pin tumblers between it and the barrel, said key comprising a cylindrically shaped stem having a central longitudinally extending bore for receiving slidably the outer end of the plug and also having around the bore a comparatively thin annular wall portion with its inner edge and periphery smooth and unbroken and with substantially semicylindrical, tumbler-receiving drillings in its outer periphery leading to its inner edge and forming flat surfaced abutments for operating the tumblers when the stem is slid onto the plug, and a finger-piece at the outer end of the stem.

1,984,203
HARD METALLIC COMPOSITION AND CONTACTS THEREOF
George N. Sieger, Indianapolis, Ind., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application December 12, 1931, Serial No. 580,729
12 Claims. (Cl. 200—166)

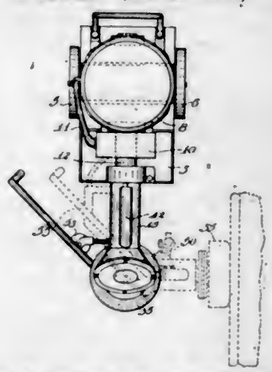
1. An electrical make-and-break contact comprising a composition produced by forming a porous mass of silver and a carbide of one of the hard refractory metals molybdenum and tungsten and incorporating in the pores of said porous mass a binding constituent of silver, the silver in said composition constituting from about 20 to 70 per cent thereof.

1,984,204
CIRCUIT SWITCHING TIMER
Raymond D. Smith, Pleasantville, N. Y.
Application April 14, 1927, Serial No. 183,838
12 Claims. (Cl. 200—38)



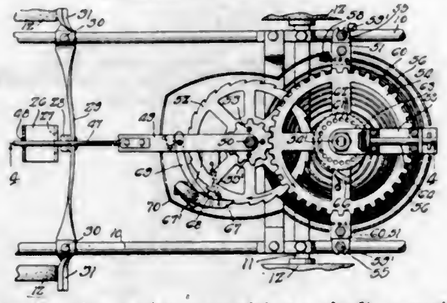
1. Time controlled actuating mechanism embodying in combination, two timers concentrically rotatable in adjacent planes, two switches respectively carrying two operating levers concentrically rockable in adjacent planes corresponding respectively to the planes of rotation of said timers, means permitting the engagement and disengagement of each of said timers with its corresponding switch lever to rock the latter in both directions, and electrical contacts arranged to be alternately closed and opened by respectively reverse rocking movement of each of said switch levers.

1,984,205
TERRAZZO COVE GRINDER
Peter Vinella, Minneapolis, Minn.
Application November 8, 1930, Serial No. 494,308
1 Claim. (Cl. 51—177)



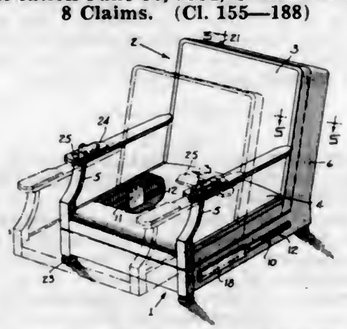
A terrazzo floor grinder, comprising a wheeled support, a drive motor mounted thereon, a housing extending laterally from said motor and secured thereto in adjustable, swiveled relation, said housing having a portion extending at right angles therefrom, drive shafts mounted in said housing and said right angle extension, said shafts being operatively connected to each other and to said motor, a grinding wheel mounted beyond the free end of said lateral extension and operatively connected to said drive shafts, and a pair of handle sockets mounted one on each side of said lateral extension and disposed at an acute angle to the axis thereof, and a handle having an end portion insertible in either of said sockets, said handle having an acute angle bend therein substantially equal to the angle between the axis of said sockets and the axis of said lateral extension.

1,984,206
SPRING MOTOR
Peter Zielinski, Chicago, Ill.
Application December 21, 1932, Serial No. 648,218
4 Claims. (Cl. 185—38)



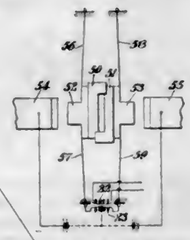
1. A spring motor comprising a shaft; a spring connected for operating said shaft; means for winding said spring; a gear operable by said shaft; a pinion meshing with said gear; a ratchet carried by said pinion; a pawl normally preventing operation of said ratchet by said spring; an oscillatory arm carrying a second pawl arranged to be interposed between said first pawl and ratchet upon oscillation of said arm in one direction to release the first pawl by wedging action and engage said ratchet after slight movement thereof; oscillation of said arm in the opposite direction serving to withdraw said second pawl to release said ratchet and permit said first pawl to re-engage said ratchet; and means for utilizing the oscillations of said arm.

1,984,207
COMBINATION ARTICLE OF FURNITURE
Abraham Ceslowitz, New York, N. Y.
Application June 30, 1934, Serial No. 733,214
8 Claims. (Cl. 155—188)



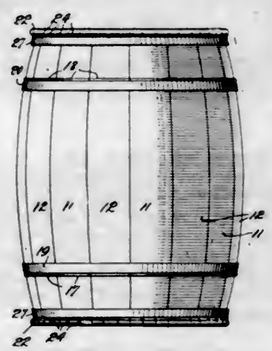
1. A combination article of furniture adapted to serve as a wardrobe and other purposes comprising, in combination, a base member adapted to be supported on a floor and provided with a storage compartment opening upward, and a seat member having a sliding connection to the top of the forward portion of said base member and large enough to cover said storage compartment when slid over it; said base member having an upwardly extending back portion which is hollowed out to form a wardrobe closet, while said seat member also has an upwardly extending rear portion adapted to form a chair back after it has been slid into position to close such wardrobe closet whereby, when the seat member is in position to be sat upon it will close and conceal both said storage compartments, but may be slid away from such normal position to afford access thereto.

1,984,208
SOUND LIGHT RAY INTENSITY CONTROL
Josef Engl, Berlin-Charlottenburg, Germany, assignor to Engl Products Corporation, New York, N. Y., a corporation of New York
Application October 2, 1930, Serial No. 485,908
In Germany July 10, 1930
1 Claim. (Cl. 88—61)



In a light valve, the combination of a diaphragm comprising two cooperating members each of which is provided with a portion of insulating material, said portions cooperating to define a slit, each member being further provided with an electrode, relatively long thin wires for supporting said electrodes for movement toward and away from each other, and a pair of fixed electrodes cooperating with said movable electrodes.

1,984,209
SHIPPING CONTAINER
Frank D. Ferrone, New York, N. Y.
Application March 17, 1931, Serial No. 523,214
2 Claims. (Cl. 220—5)



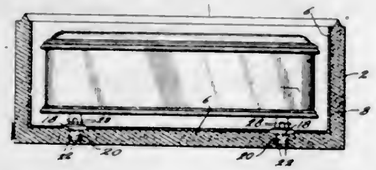
1. A shipping container, comprising a plurality of sheet-metal staves, means for interlocking their edges together to form a surrounding wall which is continuous and unbroken around the inside of one end, a sheet of metal having a rim-portion formed integrally with and springing substantially straight up from the sheet, such rim portion, from its outwardly springing inner wall portion, being outwardly and inwardly rolled and forming an under annual recess, the inner wall of the rim-portion snugly fitting into such continuous and unbroken end of the container, whereby the sheet and rim-portion provide a head for the container, the ends of the staves, individually, having rigid transverse beads located entirely outside of and around the container and successively seated snugly in the recess and locked by the rim, and the body of each stave being tangent to its bead, and means around the head and staves for securing the head and staves rigidly together.

1,984,210
METHOD AND APPARATUS FOR PREVENTING FOAMING OF LIQUIDS
Lewis O. Gunderson, Chicago, Ill., assignor, by mesne assignments, to Electro-Chemical Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application February 8, 1930, Serial No. 427,034
6 Claims. (Cl. 204—25)



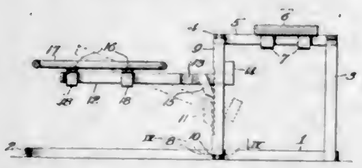
1. The method of preventing and reducing foam in liquids, which comprises inserting a pair of metal electrodes in the liquid, imposing an E. M. F. between the electrodes to thereby cause the production of an electrolyte in the liquid and contacting the foam bubbles with the electrolyte to neutralize the electrical charges contained on the foam bubbles to thereby destroy the foam.

1,984,211
COMBINED LEWIS AND CASKET REST FOR BURIAL VAULTS
Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert W. Haase Co., Forest Park, Ill., a corporation of Illinois
Application November 16, 1931, Serial No. 575,220
4 Claims. (Cl. 72—7)



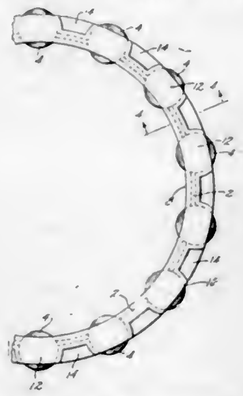
1. A combined lewis and casket rest comprising a metallic body having a substantially flat base and a projecting staple or eye, said base having an integral projecting tapered tenon formed with an enlarged inverted wedge-shaped bottom, said bottom being perforated for the reception of reinforcing rods whereby when said tenon and rods are imbedded in concrete, the device will be anchored thereto.

1,984,212
MILKING STOOL
Niels B. Hansen, Willis, Kans.
Application February 12, 1934, Serial No. 710,827
6 Claims. (Cl. 31—57)



4. A milking stool comprising a frame provided with a seat and a ground-engaging front extension, a frame projecting forwardly from and vertically adjustable on said frame and having parallel spaced side portions and a connecting front portion, and a circular pail receiving frame having a pair of cross bars provided with depending loops slidingly engaging the spaced sides of said frame.

1,984,213
BEARING CONSTRUCTION
Lewis R. Heim, Mount Dora, Fla.
Application August 2, 1930, Serial No. 472,549
5 Claims. (Cl. 308—217)



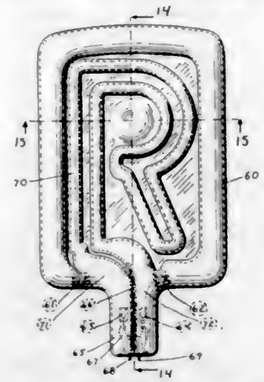
1. In a roller bearing, in combination, a substantially cylindrical shell having parallel slots extending longitudinally thereof, bearing rolls disposed about said shell having a diameter greater than the circumferential width of said slots and each lying partially within one of said slots, end flanges projecting angularly from said shell and integrally indented portions of said flanges disposed between said rolls near the outer edges of said flanges to retain said rolls upon said shell while permitting movement thereof about the axis of the shell against the parallel edges of said slots, said flanges being of metal of substantially uniform thickness and bent between the rolls to form said indented portions.

1,984,214
PROCESS FOR THE LUBRICATION OF SURFACES WHICH ARE EXPOSED TO A HIGH TEMPERATURE
Moritz Joseph Heitmann, Freital, Germany, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Application September 18, 1929, Serial No. 393,581
3 Claims. (Cl. 87—9)

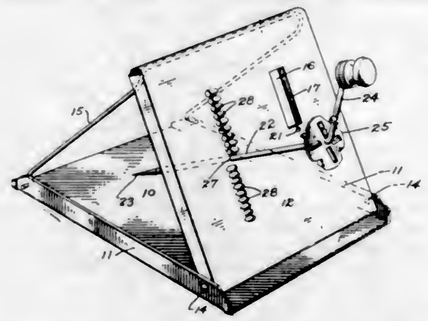
1. The process of lubricating surfaces exposed to high temperatures comprising applying to said surfaces an aqueous dispersion of highly viscous bitumen.

1,984,215
VACUUM VESSEL AND ILLUMINATING DEVICE
Fred Hotchner, Los Angeles, Calif.
Application January 16, 1931, Serial No. 509,253
10 Claims. (Cl. 176—14)

10. A gaseous conduction device consisting of an evacuated envelope containing a gaseous conductor at a low pressure and having a pair of spaced extended walls of vitreous material provided with inwardly extending formations and a barrier member of resilient discharge stopping material positioned between said walls, said formations and said barrier member cooperating to define a tortuous discharge passage between said walls, and means to pass current through said passage.



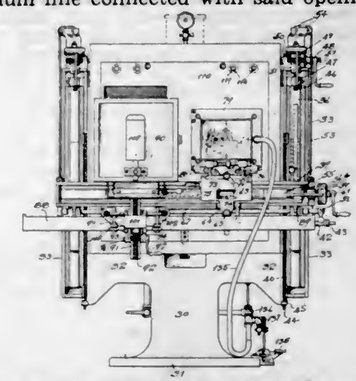
1,984,216
VEGETABLE SLICER AND SHREDDER
Frank H. Howlett, Oakland, Calif.
Application May 18, 1931, Serial No. 538,098
2 Claims. (Cl. 146—166)



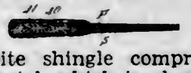
1. As an article of manufacture, a tray, a plate pivotally connected at one end to one end of the tray whereby it may be disposed flatwise within the tray or arranged in an upright position relative thereto, means for supporting said plate in an upright position, said plate having an aperture formed therethrough, a slicing blade secured to the plate contiguous to the aperture, said plate having a guide opening adjacent said aperture, shredding means carried by the plate, said plate being formed with a guide opening adjacent said shredding means, a spindle removably and rotatably engageable with either guide opening and upon which a vegetable may be impaled and nonrotatably held, said spindle having a crank arm at one end thereof whereby a vegetable impaled on the spindle when the spindle is engaged with the guide opening may be revolved.

1,984,217
PHOTOGRAPHIC PRINTING APPARATUS
William C. Huebner, Chicago, Ill.
Application April 29, 1931, Serial No. 533,638
14 Claims. (Cl. 95—76)

1. In a photographic printing apparatus, the combination of a main frame, a plate support carried by the main frame, said plate support having vacuum openings through its surface, and a vacuum line connected with said openings for applying suction to the rear surface of a sensitized plate.



1,984,218
COMPOSITION BUILDING MATERIAL
Lester Kirschbraun, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Original application March 19, 1929, Serial No. 348,297. Divided and this application August 14, 1931, Serial No. 557,032
17 Claims. (Cl. 108—8)



1. A composite shingle comprising a body portion of material, which is plastic at elevated temperatures but substantially hard at normal temperatures, comprising bitumen, fiber, and inert filler and a reenforcing layer of felted fibrous material affixed to the upper part of one face only of the body portion.

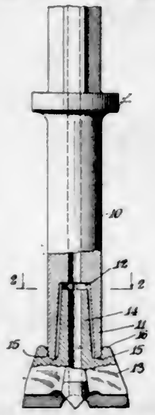
1,984,219
PROCESS AND APPARATUS FOR REDUCING THE HARDNESS OF WATER
Aage Thorkil Krogh-Lund, Copenhagen, Denmark, assignor to I. Kruger A/S, Copenhagen, Denmark
No Drawing. Application May 8, 1930, Serial No. 450,876. In Denmark May 23, 1929
5 Claims. (Cl. 210—16)

1. The process of reducing the hardness of water, comprising the steps of adding a reagent for precipitating the hardening ingredients present, then bringing the water into contact with a substance which promotes the precipitation and settling and then removing the water from contact with the said substance before the main part of the precipitate has been deposited.

1,984,220
DRILL ROD AND DETACHABLE BIT
Charles Lang, Jersey City, N. J.
Application August 11, 1931, Serial No. 556,357
4 Claims. (Cl. 255—64)

1. A device of the kind described comprising a drill rod, a bit, a socket in the end of said drill rod having inwardly converging circumferentially continuous side walls, longitudinal grooves in said socket, a shank on said bit adapted to be forced tightly into said socket and to be firmly secured in said socket solely by virtue of the resulting tight fit, said grooves as-

sisting in the fit of said shank and socket, said end of said drill rod and said bit formed so as to be firmly in contact with each other when said shank is in position in said socket, so that the drilling forces will be transmitted directly



from the end of said drill rod to said bit, and said shank and grooved socket function primarily for holding said drill rod and bit together, and to prevent relative rotation thereof, the socket of said drill being of relatively harder material than the shank of said bit.

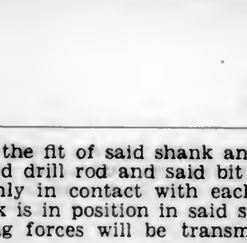
1,984,221

GROUND BASE BLOCK

George F. Lindsley, Milwaukee, Wis.

Application July 30, 1932, Serial No. 626,717

2 Claims. (Cl. 72—0.5)



1. A tile or block comprising a body formed of plastic material, transversely disposed metallic anchor plates embedded in said body and projecting beyond the outer side faces of the body, and ground strips secured to the projecting end of the metallic anchor plates and projecting beyond the outer side faces of the body whereby to form nailing strips and gauges for the thickness of the wall plaster.

1,984,222

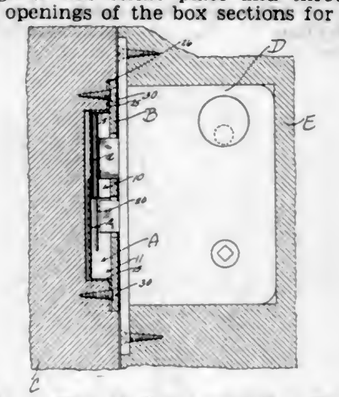
ADJUSTABLE LOCK STRIKE

Arthur G. Lyons, Pennside, and William H. Sterrett, Reading, Pa., assignors to Reading Hardware Corporation, Reading, Pa., a corporation

Application October 15, 1932, Serial No. 638,006

3 Claims. (Cl. 292—340)

1. A strike for locks comprising a box formed of a pair of complementary telescopically connected sections having compartments communicating with each other and with both opening in the same direction, said sections at opposite ends thereof having outwardly extending attaching flanges provided with elongated slotted openings therein, a strike plate having bolt receiving openings therein and at the ends having screw receiving openings therein, and screws for extension through the last mentioned openings of the strike plate and through the slotted openings of the box sections for attach-



ment to a support for assembling the strike plate over the box sections with the latter held in definite relation.

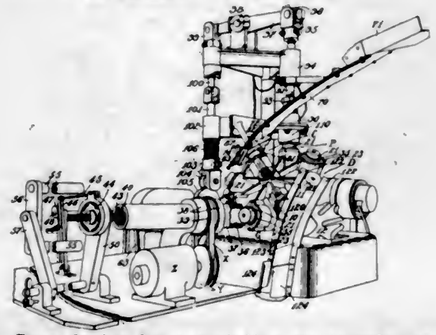
1,984,223

MACHINE FOR APPLYING SEALING ANNULI TO RECEPTACLE COVERS

Lawrence L. Ludington, Muncie, Ind., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana

Application April 8, 1932, Serial No. 604,051

16 Claims. (Cl. 113—80)



1. In a device for associating an annular preformed gasket with a cover cap, a rotary turret, a plunger carried by said turret and axially shiftable on an axis lying at an angle to the axis of the turret, a gasket anvil carried by the turret and surrounding the plunger, means for rotating the turret to carry the plunger through successive stations, cap-retaining means associated with the plunger to retain the cap thereon through a limited portion of the travel of the turret, cap-engaging means for engaging the cap in opposition to the anvil, and means synchronized with the turret for intermittently reducing the axial distance between said cap-engaging means and anvil to cause adherence with the cap of a preformed annular gasket interposed between anvil and cap.

12. Gasket-forming means comprising a rotary tube adapted to receive internally a tube of flexible packing material, means by which said tube may be rotated about its axis to cause a tube of flexible material of suitable diameter placed therein to centrifugally swell into said tube, a plunger mounted in said rotary tube and axially shiftable therethrough, and a cutter shiftable transversely of the delivery end of the rotary tube.

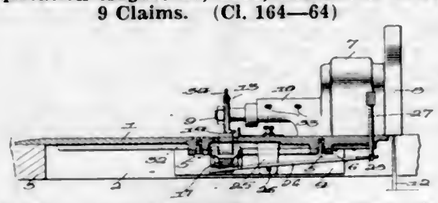
1,984,224

PINKING MACHINE

William T. Maxant, Ayer, Mass.

Application August 17, 1933, Serial No. 685,609

9 Claims. (Cl. 164—64)



2. The combination with an operating plate, an anvil cradle pivotally connected therewith, a roller rotatably supported by the anvil cradle, a spring-plate having a fulcrum on the operating-plate, and having one end bearing against the anvil cradle, and adjustable means connected with the operating plate for regulating the tension upon the plate spring and against the anvil cradle.

1,984,225

AGE HARDENING SILVER OF STERLING OR HIGHER STANDARD

James C. McFarland, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Incorporated, Dayton, Ky., a corporation of Kentucky

No Drawing. Application September 14, 1932 Serial No. 633,116

9 Claims. (Cl. 148—11.5)

7. Sterling silver capable of age hardening to a hardness of from 84 Rockwell B to 94 Rockwell B which consists of pure silver at least 92.5%, copper 2.5% to 7.4% and aluminum .1% to 5%.

8. The process of making sterling silver articles of a hardness of from 80 Rockwell B to 94 Rockwell B which consists in first alloying at least 92.5 per cent silver, from 7.4 to 2.5 per cent copper and from .1 to 5 per cent of a metal selected from the group consisting of aluminum, magnesium, lead, antimony, and beryllium, then fabricating the article to form by known cold working operations, then subjecting the article to a preliminary anneal and quench from about 1150° F. to 1400° F. and finally subjecting the article to an age hardening heat of about 570° F. for about one hour.

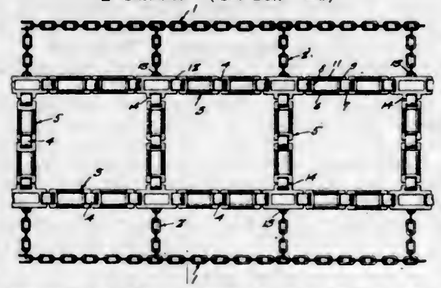
1,984,226

ANTISKID CHAIN

Brainard H. Messersmith, Washington, D. C.

Application May 17, 1934, Serial No. 726,146

1 Claim. (Cl. 152—14)



An antiskid chain comprising side chains, intermediate chains between the side chains and including calk bearing members, connecting strip links securing the calk bearing members in pairs, connecting plate links included in the intermediate chains and connected to the ends of the pairs of the calk bearing members, semi-circular eye members secured to the outer sides of the connecting plate links and U-shaped eye members secured to the inner sides thereof, link cross chains connecting the intermediate chains to the side chains and being secured to the semi-circular eye members, cross chains including calk bearing members connected in pairs, and means for securing the last mentioned cross chains between the intermediate chains and to the U-shaped eye members of the connecting plate links.

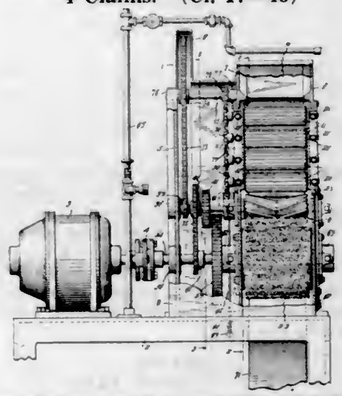
1,984,227

APPARATUS FOR DEFATTING ENTRAILS

William Miller, Kansas City, Kans.

Application October 13, 1931, Serial No. 568,635

4 Claims. (Cl. 17—43)



1. An apparatus for removing fat from the exterior of entrails comprising a plurality of pairs of corrugated rollers, a rotary cutter for cutting the fat from the entrails fed thereto by the corrugated rollers and a pair of rotary brushes adapted to receive the de-fatted entrails from the rotary cutter and to remove the remaining fat therefrom.

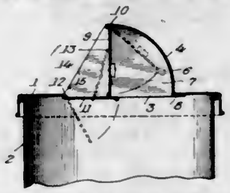
1,984,228

ASH CAN COVER

Vernon A. Morhous, Comstock, N. Y.

Application May 18, 1934, Serial No. 726,394

3 Claims. (Cl. 220—32)



1. A cover for containers comprising a cover-like element provided with an opening, a hood secured to said element and partially overlying the opening, and door elements hinged to said element and hood to cooperate with each other in closing the opening and adapted to permit materials to be passed through said openings by a force against said door elements.

1,984,229

COLLAPSIBLE KITE

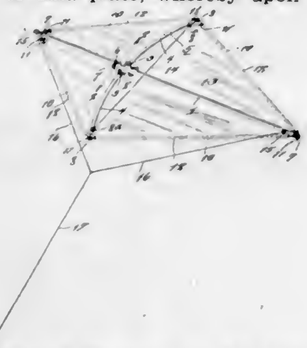
John F. Neary, North Wales, Pa.

Application November 25, 1933, Serial No. 699,772

1 Claim. (Cl. 244—22)

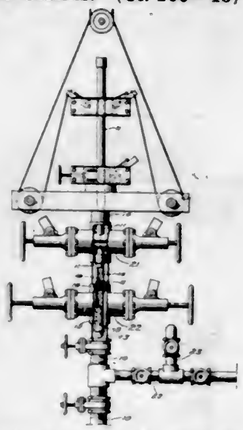
A kite, comprising a frame composed of a central longitudinal stay, a transverse stay, a cover-

ing for said frame, strands in the margin of said covering and connecting the remote ends of both stays, said transverse stay comprising sections, and means comprising an elongated plate slidable on the central longitudinal stay and to which the sections are pivotally connected, spaced loop members encircling said longitudinal stay and connected to said plate, whereby upon moving



said plate in one direction on the longitudinal central stay the frame may be collapsed, and means on the longitudinal central stay for limiting the slidable plate in the other direction on the central longitudinal stay, and a strand connecting the remote ends of the sections of the transverse stay and being drawn taut for bowing the transverse stay, and a bridle and kite cord connected to the kite.

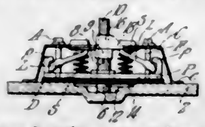
1,984,230
WELL TUBING PLUG
Herbert C. Otis, Shreveport, La.
Application April 13, 1932, Serial No. 605,050
10 Claims. (Cl. 166—13)



1. The combination with well tubing and a screen, of means connecting the screen and the lower end of the tubing including a downwardly facing valve seat, a valve plug engaging said seat, said plug being freely movable from said valve seat to a position below the screen.

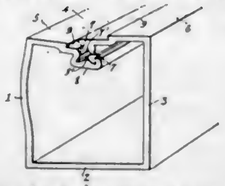
1,984,231
JIG FOR WORKING ON CLUTCHES
Walter G. Parker, North Adams, and Edor E. Bassette, Adams, Mass.
Application October 6, 1933, Serial No. 692,478
1 Claim. (Cl. 29—89)

An apparatus of the class described comprising in combination, a base plate having an upper face against which a clutch assembly having a plurality of adjustable levers may be clamped, a spindle having a main body of certain cross-sectional area extending upwardly from the central part of said base plate and having an upper portion of less cross-sectional area than said body portion to provide a shoulder therebetween, said upper portion of the spindle being threaded, a clamp member slidable on the spindle for bearing on said clutch assembly, screw means on said screw-threaded portion of the spindle for exerting pressure on said clamp



member, a gauge having an outwardly extending part integral therewith to which clutch levers may be adjusted, said gauge being slidable and rotatable on said spindle for overlying levers of a clutch assembly or removable from said spindle, and a plurality of space members of different lengths bored to slide over said spindle and rest on said shoulder thereof whereby the said gauge may be supported for rotation so that its outwardly extending part is disposed at various predetermined distances from the upper face of said plate.

1,984,232
EXTRUDED SHAPES WITH INTERLOCK AND METHOD OF MAKING SAME
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application September 29, 1933, Serial No. 691,556
6 Claims. (Cl. 189—41)



1. A structural element consisting of a strip of metal shaped in tubular form having two longitudinally extending edges adjacent each other, one of said edges having a longitudinally extending dove-tailed mortise, and the other edge having a longitudinally extending expansible tenon, a joint being formed between said edges by the tenon being expanded in said mortise.

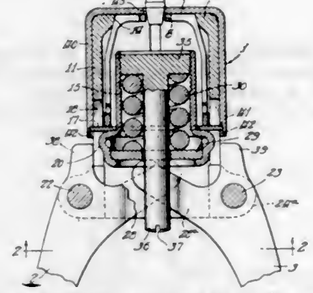
1,984,233
HYGROSCOPE
Robert F. Reed, Norwood, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y., a corporation of Delaware
Application June 2, 1931, Serial No. 541,640
5 Claims. (Cl. 73—24)

3. A hygroscope, comprising, a hollow apertured blade adapted to be inserted between the sheets of a pile of paper, a handle for said blade, a hygroscopic element longitudinally disposed within the blade toward the outer end thereof, said hygroscopic element composed of a moisture sensitive sheet of material readily expansible and contractible, a motion increasing transmission connected to said moisture sensitive element for increasing and converting the movement derived therefrom into rotative movement, an indicating hand connected to and actuated by said transmission, tensioning means in the transmission for maintaining the hygroscopic element in taut condition and the indicating hand in stabilized normal position, and an adjustable marked dial movable relative to the indicating hand for initially setting a mark relative to the indicating hand when the hygroscope is exposed to atmospheric conditions in the room



whereby variations therefrom when the hygroscope is in position of use may be indicated by movement of the indicating hand relative to said mark.

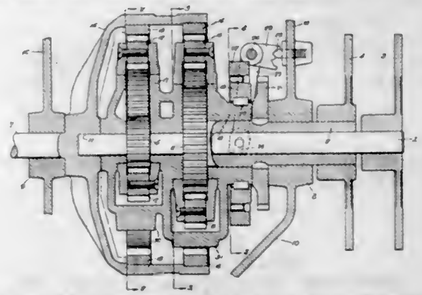
1,984,234
SWAGE
William Schmid, Bronson, Mich., assignor to Harry A. Douglas, Bronson, Mich.
Application December 15, 1932, Serial No. 647,416
7 Claims. (Cl. 81—15)



1. In a swage, the combination of a plurality of jaws arranged about a common center and radially reciprocable; resilient supports for said jaws; cam surfaces on said supports; a mounting for said supports; a member movable relatively to said supports and mounting and engageable with said surfaces to move said jaws, said jaws moving radially inwardly against the resiliency of the supports upon movement of the member in one direction and moving radially outwardly upon movement of the member in the opposite direction; means for moving the member and yielding means interposed between the movable member and the moving means therefor operative upon the jaws encountering a predetermined resistance.

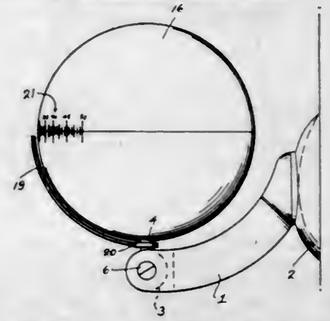
1,984,235
TRANSMISSION MECHANISM
John S. Sharpe, Haverford, Pa.
Application November 8, 1933, Serial No. 697,178
8 Claims. (Cl. 74—282)

1. A transmission mechanism comprising a driven member, internal gear means connected to said driven member, a planetary carrier, a plurality of internal-external gears eccentrically journaled on said carrier and meshing with said internal gear means, a plurality of driving members each having a pinion, said pinions meshing



respectively with the interiors of said internal-external gears, means for independently connecting the driving members with a source of power, and means for controlling the rotation of said carrier.

1,984,236
GRADE INDICATOR FOR MOTOR VEHICLES AND THE LIKE
Sherwood Thomas Smith, Manchester, Conn.
Application March 29, 1934, Serial No. 718,063
3 Claims. (Cl. 33—215)

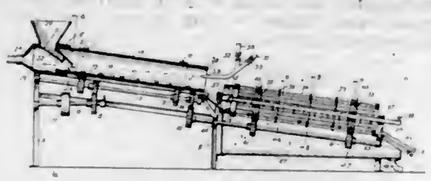


1. A device of the class described comprising a stationary shaft, a spherical member of hollow construction having a hole in its lower part through which the shaft passes, a pinion connected with the central portion of the top part of the spherical member and rotatable around the upper part of the shaft, a segmental gear rotatably supported from the shaft for movement about a horizontal axis, said segmental gear meshing with the pinion, a weight connected to the lower end of the segmental gear, a scale on the exterior part of the spherical member, and a pointer supported from the shaft and cooperating with the scale.

1,984,237
APPARATUS FOR REMOVING SKINS FROM ONIONS
Laurence Cyril Southan, Kensington, near Sydney, Australia
Application September 30, 1931, Serial No. 566,140
In Australia May 1, 1931
4 Claims. (Cl. 146—46)

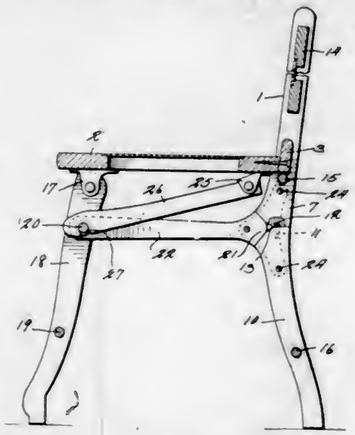
1. Improved apparatus for removing skins from onions comprising, a rotatable cylinder adapted for supply of onions thereinto and to be rotated, means for supplying flame direct

into said cylinder, suctional means for withdrawing therefrom burned particles and prod-



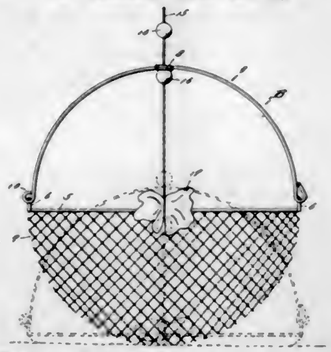
ucts of combustion, and means for subjecting the singed or burnt onions to attrition.

1,984,238
FOLDING CHAIR
Ippokrates Spanopoulos, St. Louis, Mo.
Application August 22, 1933, Serial No. 686,292
1 Claim. (Cl. 155—148)



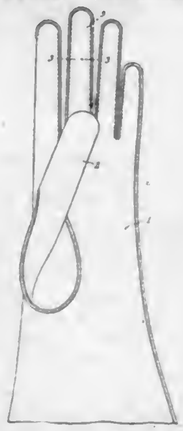
A folding chair, comprising a seat, a back having a pair of upright side posts, the lower ends of which extend beneath the seat, the rear edge of said seat being disposed between said posts, means pivotally connecting the seat to the posts in a plane above the top of the seat, a round connecting the posts beneath the seat and having the bottom face thereof in close proximity with the round when the chair is set up for use, a pair of rear legs each having a portion of its upper end abutting the lower end of a post, a pair of front legs pivotally attached at their upper ends to the underside of the seat at the front of the latter, a round connecting the front legs substantially in the plane of the contacting ends of the upper ends of the rear legs and said posts, said last round having a portion midway of its ends of reduced diameter and having portions immediately adjacent each front leg of reduced diameter, a horizontal arm at each side of the chair having the adjacent reduced end portion of the front round passing therethrough at one end and having its other end abutting the contacting ends of the adjacent leg and post, a triangular plate disposed adjacent the outer faces of the contacting ends of the posts, rear legs and horizontal arms and having pivotal connections with each, and a brace arm disposed centrally beneath the seat and pivotally connected to the undersurface thereof at the rear of the same and having its forward end detachably connected with the reduced central part of the front round.

1,984,239
CRAB NET
Charles D. Starks, Far Rockaway, N. Y.
Application May 22, 1934, Serial No. 726,996
2 Claims. (Cl. 43—7)



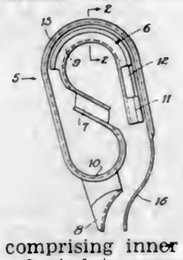
1. A device of the class described comprising a frame, a net depending from the frame, a bail secured to the frame and having an eye, a line extending through the frame, said line being provided with stops one on each side of the eye, said line adapted to have bait secured to the lower end thereof, said frame being provided at opposite sides with upwardly extending eyes, said bail being provided at one end with an eye engaging one of the first mentioned eyes and at the other end with an oblong loop engaging the other of said first mentioned eyes and the loop merging into a downwardly diverging arm terminating in an arcuate portion engaging the frame to hold the bail in upright position.

1,984,240
GLOVE
Irwin Steinberger, New York, N. Y., assignor to Steinberger Bros. Glove Corporation, New York, N. Y., a corporation of California
Application September 26, 1933, Serial No. 691,045
3 Claims. (Cl. 2—165)



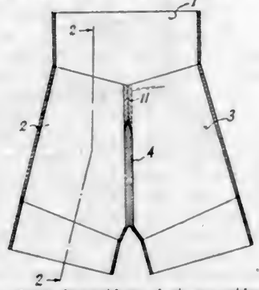
1. A glove comprising a body merging into fingers and a thumb, each of said fingers and the thumb being provided with an over seam for connecting adjacent parts near their outer edges, a binding member having one edge portion secured in place by said over seam, said binding member being fitted over the over seam and adjacent parts of the glove, and an aris seam extending through the other edge portion of the binding member and through adjacent parts of the glove for securing the second edge of the binding member in place.

1,984,241
SELF-BINDING WIRE CLAMP
Carl H. Sumenius, Brooklyn, N. Y.
Application March 12, 1934, Serial No. 715,227
3 Claims. (Cl. 24—115)



1. A clamp comprising inner and outer loop portions each adapted to support on its outer surface a portion of a wire formed into inner and outer loops, the outer loop portion being movable by tension of the wire towards the inner loop portion to clamp the inner loop of the wire between the inner and outer loop portions.

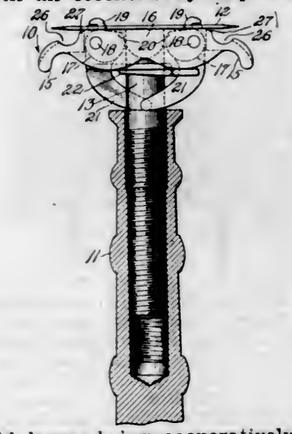
1,984,242
CONDUIT JUNCTION
James E. Trainer, Fairlawn, and Benjamin H. Miller, Wadsworth, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application June 25, 1932, Serial No. 619,213
3 Claims. (Cl. 137—75)



1. In a conduit junction, intersecting branches producing a discontinuation of the normal wall of each branch, a stay plate of greater thickness than the body plate of either branch disposed in the plane of the intersection, the edge of said stay plate being divided to provide a joining edge with the body plate of the intersecting branches of approximately the same thickness dimension as the body plate of the branches, and welding joining the parts only along the edges of approximately equal thickness.

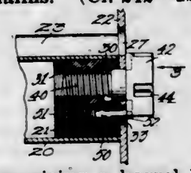
1,984,243
SAFETY RAZOR
Edward R. Wharton, Medford, Mass.
Application August 19, 1933, Serial No. 685,938
8 Claims. (Cl. 30—12)

8. In a safety razor, the combination with a flexible blade having oppositely disposed side cutting edges and formed with two straight longitudinal rows of spaced apart apertures each of which is parallel with and adjacent to one of said edges, of a holder for said blade comprising a guard provided upon its back side with a centrally disposed handle including a manually adjustable element, said guard being formed with two longitudinal slots, one at each side of said handle, and blade-holding mechanism permanently mounted on said guard comprising a pair of levers each having an elongate hub pivotally mounted within one of said slots and provided with a straight row of hooks projecting through the apertures of one of said rows and also provided with an eccentrically disposed heel por-



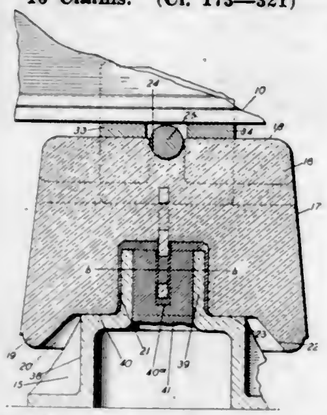
tion, said levers being cooperatively associated with said element and operable by the latter so as to first shift said hooks laterally into blade-holding positions opposite the outer face of said blade adjacent to the apertures thereof and thereafter to force said heel portions against the inner face of the middle zone of said blade thereby to flex the latter transversely in one direction while the side marginal portions of said blade that are outside of said apertures are shifted relatively to said guard in the opposite direction.

1,984,244
YARN SPOOL
William H. Wilson, Burlington, Vt., assignor to Vermont Spool & Bobbin Co., (Incorporated), Burlington, Vt., a corporation of Vermont
Application July 3, 1933, Serial No. 678,881
2 Claims. (Cl. 242—124)



1. A spool comprising a barrel having a solid end portion with a threaded axial opening and a radially offset cylindrical recess parallel thereto, a bushing in said offset recess projecting beyond said barrel end, a spool head having an axial opening and having a radially offset opening positioned to receive the end of said bushing, a clamping screw insertable in said threaded axial opening and having a portion fitting the axial opening in said head, a plunger slidable in said bushing, and a spring in said bushing for said plunger, said screw having an enlarged head with a plurality of cam recesses on the under side thereof successively receiving the end of said plunger as said screw is tightened, said screw being held thereby from substantial backward movement.

1,984,245
INSULATOR SUPPORT FOR POWER RAILS
William C. Banks, Jersey City, N. J.
Application February 6, 1934, Serial No. 709,922
16 Claims. (Cl. 173—321)



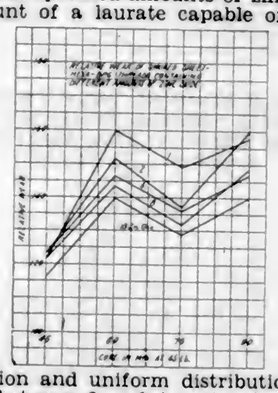
1. In an electric insulator construction for carrying a power conductor, the combination with a holder having a shouldered portion and a neck-like top portion rising therefrom, a head consisting of insulating material adapted to sustain the power conductor and having a recess adapted to fit substantially loosely over and around said top portion while allowing the body of the insulator head to rest upon said shoulder portion, a filler substance adapted to set in the clearances and spaces around the parts within said recess so as to make a permanent connection between said head and said holder, of reinforcing means for strengthening the connection established by said filler, respective portions of said reinforcing means are substantially embedded in said head as well as in said filler.

1,984,246
CAOUTCHOUC-LIKE MATERIAL
Robert Beyer, Brooklyn, N. Y., assignor to Robert Beyer Corporation, a corporation of New York
No Drawing. Application December 14, 1929, Serial No. 414,217. Renewed November 9, 1934
15 Claims. (Cl. 260—6)

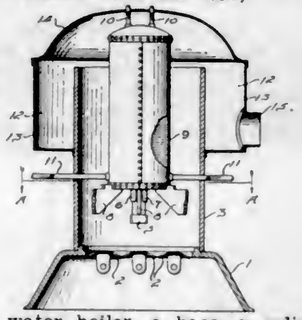
1. The method of making a caoutchouc-like material which comprises subjecting starch in the presence of water and a soluble metallic chloride adapted to form a mucilaginous mass to a yeast fermentation action at temperatures not substantially higher than room temperatures until the starch is converted into a caoutchouc-like material, and recovering the caoutchouc-like material from the resulting mass.

1,984,247
ABRASION RESISTING RUBBER STOCKS
Sidney M. Cadwell, Grosse Pointe Village, Mich., assignor to Morgan & Wright, Detroit, Mich., a corporation of Michigan
Application October 6, 1932, Serial No. 636,613
23 Claims. (Cl. 106—23)

1. A rubber composition suitable for tire treads and having a high abrasion resistance when vulcanized and comprising by weight rubber 100 parts, carbon black at least 25 parts, between 1 and 3 parts of zinc oxide having an average particle size of not more than about 0.2 microns, an organic accelerator which is suitably responsive to activation during vulcanization by said specified amounts of zinc oxide, a small amount of a laurate capable of promoting dissolution and uniform distribution of the zinc oxide, between 3 and 4 parts of sulphur, a rubber softener, and a small amount of a rubber anti-oxidant.

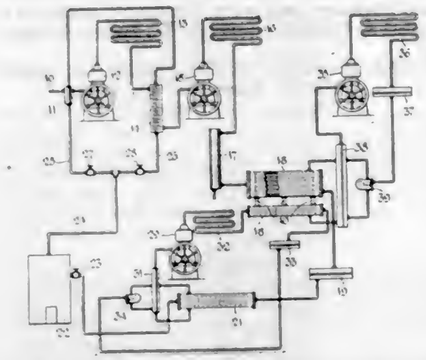


1,984,248
HOT WATER BOILER
Charles F. Carmell, Jackson, Mich.
Application September 17, 1932, Serial No. 633,601
1 Claim. (Cl. 122—234)



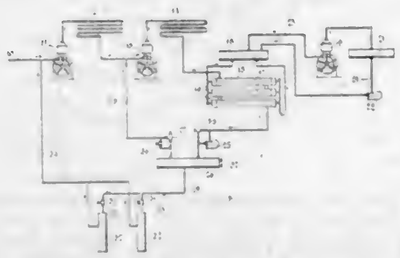
In a hot water boiler, a base, a cylindrical jacket mounted thereon, a series of lugs extending inwardly from the jacket and arranged in pairs, each pair of lugs being spaced apart and providing a vertical channel therebetween, a horizontal supporting lug extending inwardly from the cylindrical jacket beneath each pair of lugs, a bracket having a flanged vertical edge engaging in the vertical channel between each pair of lugs and seating on the respective supporting lug, each bracket extending radially toward the center of the cylindrical jacket, a cylindrical water tank of smaller diameter than the cylindrical jacket and positioned on the brackets, each bracket being also provided with a lug extending upwardly therefrom to engagement with the edge of the water tank and maintaining the water tank in concentric relation in the cylindrical jacket, the brackets supporting the bottom of the water tank above the bottom of the cylindrical jacket and the water tank extending above the top of the cylindrical jacket, a casing secured to the outer wall of the cylindrical jacket above the brackets and forming an annular chamber about the upper end of the cylindrical jacket and a hood mounted on the upper edge of said annular casing and spaced above the upper edge of the cylindrical jacket and the top of the water tank, the annular casing being provided with a flue in the side adjacent the bottom thereof.

1,984,249
PRODUCTION OF SOLID CARBON DIOXIDE
Joseph R. Chamberlain, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application December 16, 1930, Serial No. 502,803
13 Claims. (Cl. 62—121)



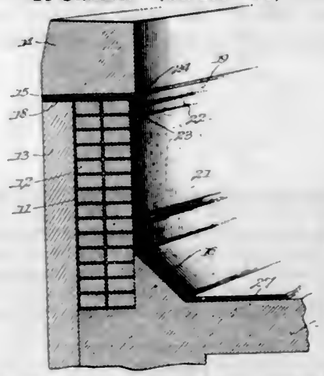
1. In combination, a main closed refrigeration circuit in which carbon dioxide is circulated and to which additional carbon dioxide is supplied; a second closed refrigeration circuit in which a refrigerant is expanded to extract heat from liquid carbon dioxide in the main circuit; a third closed refrigeration circuit in which a refrigerant is expanded to liquefy compressed gases in said second circuit; and means for expanding liquefied carbon dioxide in the main circuit to form carbon dioxide snow.

1,984,250
PRODUCTION OF SOLID CARBON DIOXIDE
Joseph R. Chamberlain, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application March 14, 1932, Serial No. 598,829
6 Claims. (Cl. 62—121)



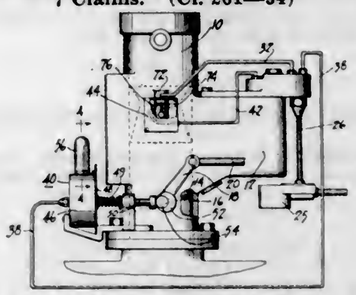
1. A system for solidifying carbon dioxide, comprising in combination, compressing means; a condenser fed thereby; a receiver; means interposed between the condenser and the receiver for protecting the receiver from the pressure existing in the condenser and for assuring the admission of liquefied carbon dioxide alone from the condenser to the receiver; means for maintaining said receiver at a substantially uniform pressure intermediate between condenser pressure and the suction pressure of said compressing means; a solidifying expander interposed in a connection between the liquid space in said receiver and the suction of said compressing means; and means for supplying carbon dioxide to the system.

1,984,251
SEEPAGE PROTECTOR FOR MASONRY BUILDINGS
Allan Cheney, Melrose, Mass.
Application October 21, 1933, Serial No. 694,662
13 Claims. (Cl. 108—26)



3. In a seepage protector for masonry walls and the like, the combination of a series of through-wall flashings of sheet metal embedded horizontally in said wall, said sheets when in assembled relation in said wall providing a continuous sheet metal waterproof flashing from side to side and through a length of said wall, and a separate single length of flexible waterproof siding adapted to overlie a vertical face of said wall throughout the length of said assembled flashing sheets, and means for attaching said length of flexible siding to said flashing sheets.

1,984,252
CARBURETOR
Douglas Collins, Salisbury, N. C.
Application July 15, 1932, Serial No. 622,796
7 Claims. (Cl. 261—34)

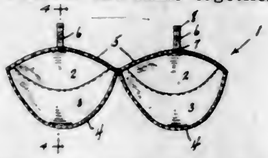


1. In a fuel feed system, a float chamber, an acceleration nozzle, means for supplying fuel under pressure to the float chamber and to the acceleration nozzle, a manually operable valve controlling the flow of fuel to the acceleration nozzle, and means for compensating for variations in the pressure of fuel supplied to the acceleration nozzle.

1,984,253
BREAST PROTECTOR
Thelma L. Cox, West Los Angeles, Calif.
Application July 11, 1934, Serial No. 734,672
1 Claim. (Cl. 128—280)

In a breast protector of the class described, a pair of breast receiving pockets, each pocket being formed of rubberized material and including an elliptically shaped front section, and a

half-moon shaped rear section, said sections being vulcanized together along their lower edges, a binding tape extending over the vulcanized lower edges of said sections of each pocket, an additional binding tape extending across the upper edges of the front sections of the two pockets to connect the same together in juxta-



posed relation with each other, shoulder strap encircling tabs attached to the upper edges of the front sections of the respective pockets to support the breast protector on the body of the wearer in position to receive the breasts, and a separable fastener associated with each tab for holding the same in loop forming relation.

1,984,254

PRESERVATION OF WOOD

Leo P. Curtin, Cranbury, N. J., and William Thordarson, New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

No Drawing. Application July 20, 1933, Serial No. 681,398

14 Claims. (Cl. 99—12)

1. Method of preserving vegetable fibrous materials which comprises impregnating the same with a solution adapted to deposit zinc meta arsenite on exposure to the atmosphere, said solution being composed of arsenious oxid, a soluble zinc salt of a volatile acid in quantity sufficient to react with the arsenious oxid content of the solution to the formation of zinc meta arsenite, free volatile acid in quantity sufficient to prevent premature precipitation of the zinc meta arsenite and an additional soluble metal salt providing an excess of at least one of the ions of said soluble zinc salt.

1,984,255

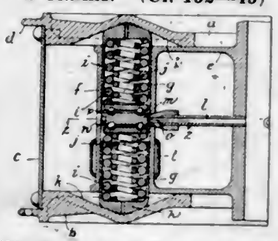
SPRING ARRANGEMENT FOR RESILIENT WHEELS

Herbert Henry Branson Deane, Rugby, England

Application July 19, 1933, Serial No. 681,133

In Great Britain April 14, 1932

2 Claims. (Cl. 152—45)



1. A resilient wheel of the character described, comprising two concentric portions one arranged to slide inside the other in a plane at right angles to the wheel axis, a plurality of slidable and rotatable plungers arranged in the inner wheel portion substantially parallel to the wheel axis and in a projecting position, the outer wheel portion having a concave bearing surface for cooperation with each plunger, a plurality of nested coil springs urging each plunger against its bearing surface, said springs being in different stages of compression and adapted to come successively into operation, a rigid abutment for each set of springs, and an anti-friction thrust bearing introduced between the springs and said rigid abutment.

1,984,256

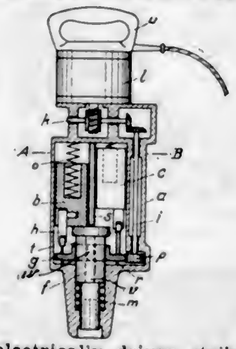
ELECTRICALLY DRIVEN STRIKING TOOL

Richard Dederer, Stuttgart, Germany, assignor to Kapital & Industriewerte A. G., Basel, Switzerland

Application December 22, 1933, Serial No. 703,651

In Germany November 23, 1932

4 Claims. (Cl. 125—33)



1. In an electrically driven striking tool, individual striking bodies, a cam disc for controlling the striking bodies, and a ram carryng the tool itself, the striking bodies being so arranged as to fall upon the ram as the cam disc rotates, each striking body having a cross-section in the form of a sector of a circle and all the striking bodies together forming a cylinder coaxial with the ram.

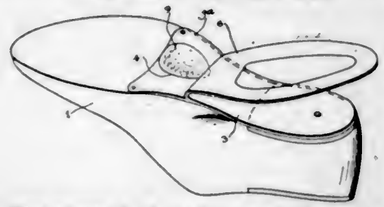
1,984,257

SHOE WITH METATARSAL SUPPORT AND METHOD OF MAKING SAME

Oliver E. De Ridder, Rochester, N. Y.

Application July 5, 1933, Serial No. 679,119

5 Claims. (Cl. 12—142)



3. The method of making a shoe with a shank piece having a rand extension and a flap portion at its front end which consists in securing the shank piece to a last having a depression, and molding in the free front end portion of the shank piece a metatarsal support by means of the said depression, and lasting an upper to the shank piece and the rand without removing the same from the last to incorporate the shank piece and the rand in the shoe during the construction thereof.

1,984,258

TOY

Theodore S. Dowst, Chicago, Ill., assignor to Dowst Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 5, 1934, Serial No. 746,955

6 Claims. (Cl. 46—48)

1. A toy including running gear and body portions, extended and perforated parts disposed adjacent the ends of and forming a part of one of such portions, such parts projecting materially into the area of the other toy portion when such portions are applied to each other, such other toy portion presenting open bearing surfaces lying adjacent the perforations of such ex-



tended parts when such portions are so applied, and axle members disposed adjacent the ends of such portions, such members extending through the perforations of the extended parts and engaging said open bearing surfaces to prevent separation of such portions.

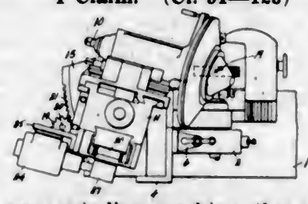
1,984,259

HELICAL GEAR GRINDING MACHINE

Ernest E. Eaton, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia

Application September 14, 1933, Serial No. 689,445

1 Claim. (Cl. 51—123)



In a gear grinding machine, the combination with a base, work supporting, gear rolling and indexing mechanism mounted on the base, a column, a grinding wheel and a spindle therefor mounted in the column, and means for actuating the spindle carried by the column as a unit therewith; of plates interposed between the column and the base and attachable to the column and base respectively, said plates having inter-engaging arcuate guide means and the upper plate supporting the column being movble about an axis along the arcuate guide means, whereby upon movement of the upper plate along the guide means, the column is shifted about an upright axis carrying the grinding wheel and actuating mechanism therewith, and means self-contained with said plates for shifting the upper plate and column about its axis relatively to the lower plate and the base, and for holding the upper plate in its adjusted position.

1,984,260

PROCESS FOR PREPARING LIQUIDS CONTAINING ACTIVE PRINCIPLES OR HORMONES FROM PARATHYROID GLANDS

Norman Evers and Cyril Jack Eastland, London, and James Henry Thompson, Whitton Park, England, assignors to Allen & Hanburys Limited, London, England

No Drawing. Application November 3, 1931, Serial No. 572,878. In Great Britain November 10, 1930

17 Claims. (Cl. 167—74)

1. A process for preparing from parathyroid glands a liquid containing at least one active principle or hormone which comprises the steps of neutralizing an acid-containing extract of the parathyroid glands to a pH value of between about 4.6 and 5.0; filtering off the insoluble matters thrown down and subjecting the filtrate to concentration and if necessary to purification.

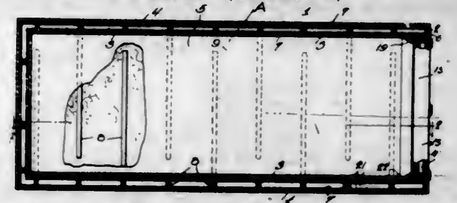
1,984,261

THERMO CONTAINER

Lillian Walker Foy, Egypt, Ga.

Application September 27, 1933, Serial No. 691,208

2 Claims. (Cl. 220—9)



1. A thermo shipping case comprising inner and outer containers arranged in spaced relation and integrally connected at one end of the case forming an air space intermediate the containers and having a sealable opening through which air may be withdrawn to create a vacuum in said space, a covering of insulating material for the inner wall surface of the outer container and the outer wall surface of the inner container, a plurality of spaced metallic heat absorbing brace supports mounted in said space with their alternate ends spaced from the wall of said space to support said covering and form a continuous tortuous passage to permit the complete withdrawal of the air from said space through said opening, and a movable closure for said case.

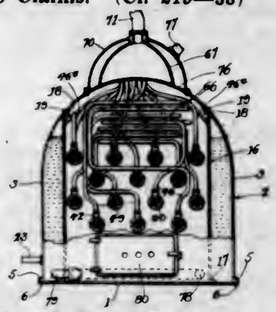
1,984,262

BOILER

Russell P. Glenn, Abilene, Tex.

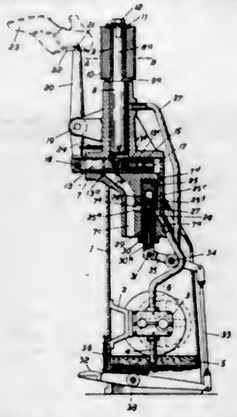
Application February 21, 1934, Serial No. 712,398

9 Claims. (Cl. 219—38)



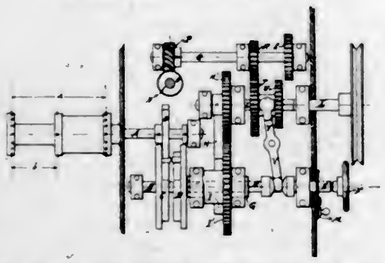
1. In a steam boiler, a firebox having double walls on three sides thereof forming a water reservoir, a plurality of steam generator tubes disposed substantially in a horizontal position within said firebox, each of said tubes communicating at one end with said water reservoir below the normal water level therein and being secured at the other end to an outer wall of the firebox, a plurality of steam transfer tubes arranged in the firebox in substantially horizontal coils above said steam generator tubes, a double walled steam dome above said firebox, each of said steam transfer tubes having one end extending downwardly and communicating with the upper side of one of said steam generator tubes and having its other end communicating with said steam dome, the space between the double walls of said steam dome being in communication with said firebox to receive hot gases therefrom, a flue communicating with said space between said double walls of the steam dome, a steam main communicating with the uppermost portion of said steam dome, and waterproof electric heating elements disposed concentrically within and extending longitudinally throughout substantially the entire length of said steam generator tubes respectively.

1,984,263
MACHINE FOR DELASTING BOOTS AND SHOES
Max Grune, Pirmasens, Germany, assignor to Schön & Cie. A. G., Pirmasens, Germany
Application September 18, 1933, Serial No. 690,004
In Germany December 30, 1932
18 Claims. (Cl. 12—15.1)



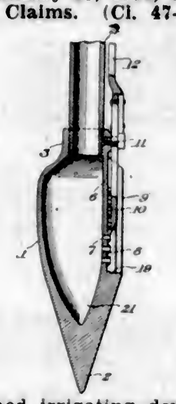
1. In a machine for de-lasting boots and shoes, in combination with the machine frame, a support for a last movably arranged on said frame and on which the shoe to be de-lasted is mounted, a de-lasting tool carried by said frame and movable relatively to said support and the last carried thereby, hydraulic means for pressing the last against the de-lasting tool, and hydraulic means for moving said tool relatively to said last for the purpose of stripping the shoe from the last.

1,984,264
CINEMATOGRAPHIC PICTURE TAKING AND PROJECTING MACHINE
Gualtiero Gualtierotti, Milan, Italy
Application May 19, 1931, Serial No. 538,580
In Italy June 16, 1930
6 Claims. (Cl. 88—18.3)



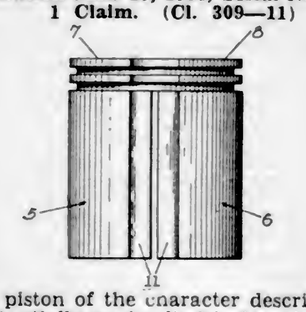
5. In a picture projecting machine, the combination with its film take-up spools of a driving shaft, a film feeding spindle having a film engaging spool thereon, engaging means on said spindle including at least one Maltese cross, a second spindle having a pair of discs fixed thereon and disposed on opposite sides of the Maltese cross and provided respectively with at least one pin, intermeshing gearing between the driving shaft and the second spindle, a speed changing device, means for shifting the disc bearing spindle to alternately cause engagement of the pin on either disc with the engaging means on the spindle and to simultaneously actuate the speed changing device.

1,984,265
COMBINED IRRIGATING DEVICE AND SUPPORT FOR TREES
Harry M. Hamer, Johnstown, Pa.
Application January 15, 1934, Serial No. 706,744
6 Claims. (Cl. 47—49)



1. A combined irrigating device and support comprising a hollow handle to provide a reservoir for liquid, a body connected to said handle and of hollow formation to receive liquid therefrom and adapted to be inserted in the ground adjacent the roots of a plant, said body having perforations to permit the escape of liquid therefrom, and means for opening and closing said perforations.

1,984,266
PISTON CONSTRUCTION
Steven Hibasco, Palo Alto, Calif.
Application June 13, 1933, Serial No. 675,592
1 Claim. (Cl. 309—11)



In a piston of the character described, a pair of substantially semi-cylindrical sections adapted to abut each other, each of said sections having a head substantially semi-circular in area and adapted to over-lap each other, of an expansion ring positioned within said piston, and depressed areas formed lengthwise of said piston at a point adjacent the abutting edges of each of said cylindrical sections.

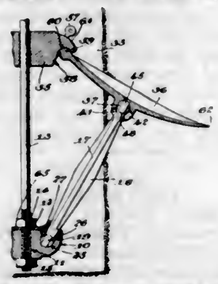
1,984,267
SPOT LOCATING AND DRYING APPARATUS
Joseph R. Holder, Ainsworth, Nebr.
Application June 21, 1934, Serial No. 731,733
10 Claims. (Cl. 68—38)



1. A spot locating and drying apparatus comprising a base, means mounted thereon and co-

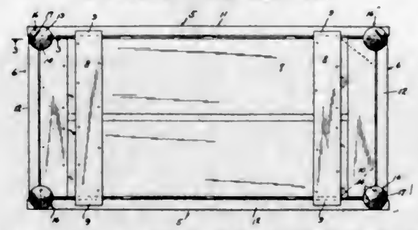
acting therewith to provide an open top chamber, a reflector element seated upon the bottom of and formed with side and end flanges bearing against the walls of said chamber, lamps arranged and supported from an end flange and the side flanges of said reflectors, a downwardly opening reflecting means arranged over each of said lamps, spaced parallel supporting and bracing structures arranged within said element, a transparent closure for the open top of said chamber, and an electrical heating means positioned in proximity to the inner face of said closure and suspended from said structures.

1,984,268
ANCHORING DEVICE
Harry H. Horner, Chattanooga, Tenn.
Application March 17, 1934, Serial No. 716,155
2 Claims. (Cl. 189—92)



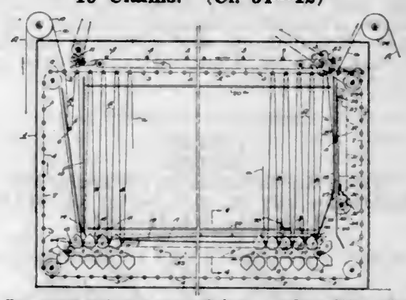
1. An anchoring device comprising a base member, a rod secured axially of the base member, radiating arms pivotally and removably connected to the base member, an elongated dished member for each arm, means for pivotally and removably connecting the outer ends of the arms to intermediate portions of the dished members, the inner ends of the dished members being reduced and rounded, and a removable tamping member having an annular groove at the inner face thereof to receive the rounded ends of the dished members.

1,984,269
FOLDABLE CRATE
Bemis Huggins, Humboldt, Tenn.
Application September 27, 1934, Serial No. 745,784
8 Claims. (Cl. 217—48)



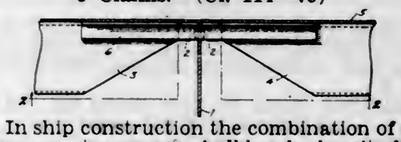
1. In a knock-down crate, a collapsible crate frame embodying spaced parallel side walls and the complemental end walls interposed between the end portions of said side walls, all of said walls being provided with reinforcing rails whose end portions are adapted to come together in abutting relationship when the crate is set up for use, and a plurality of duplicate hinge forming cover retaining units, there being a single unit for each corner portion of the frame structure, and said unit embodying a U-shaped wire staple arranged to bridge the space between the adjacent abutting ends of the complemental rails, said rails having bored passages and the arm portions of the staple extending through and beyond said passages with the free ends clinched against the underside of the rail-ends, the length of the bight portion of the staple being such as to be confined within the spaces defined by the width of said rails, and a cover retaining clip attached to said staple, said clip being adapted to project into the frame in a manner to overlie the cover and serve as a keeper therefor.

1,984,270
WARP DRIER
Alpheus O. Hurxthal and Frederick E. Hurxthal, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application May 26, 1933, Serial No. 673,098
15 Claims. (Cl. 34—12)



1. In apparatus comprising a plurality of supports having material hung in loops thereon, weights in and suspended by said loops, means engaging said weights prior to and during the retirement of each loop for retiring said loops successively, and means yieldingly resisting movement of the weights as effected by shortening of the loops.

1,984,271
SHIP CONSTRUCTION
Joseph William Isherwood, Chislehurst, Kent, England
Application December 8, 1932, Serial No. 646,337
In Great Britain December 19, 1931
5 Claims. (Cl. 114—79)

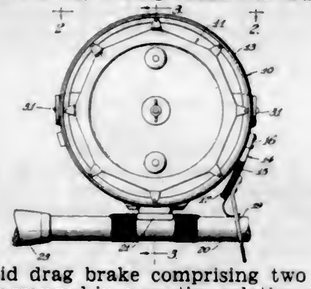


1. In ship construction the combination of shell plating, a transverse bulkhead, longitudinals having ends devoid of attachment to said bulkhead, and back bars fitted to the ends of the longitudinals in the vicinity of said bulkhead, which back bars extend through said bulkhead in continuous contact with and secured to said plating.

1,984,272
FISHING APPARATUS
Herman C. Krohn, Oak Park, Ill.
Application February 1, 1933, Serial No. 654,717
2 Claims. (Cl. 242—84.5)

2. In a fishing apparatus comprising a frame for attachment to a fish pole, means for detachably connecting the frame with the pole, a flanged drum for supporting a fish line, a bearing for rotatably connecting the drum with said frame, said frame being positioned between the flanges of said drum, a grip connected with one

side of the drum, said means being so constructed and arranged as to permit reversal of the frame and the drum with respect to the pole, to make the grip available to right- or left-handed users, a drag brake carried by said



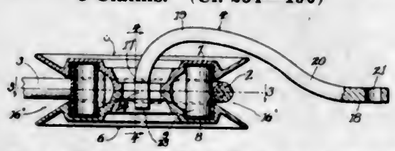
frame, said drag brake comprising two friction elements arranged in operative relation with the flanges of said drum, and a trigger associated with said drag brake and having an opening to receive the fish pole.

1,984,273
RULER
Arthur Kuechenmeister, St. Louis, Mo.
Application July 28, 1933, Serial No. 682,700
9 Claims. (Cl. 33—107)



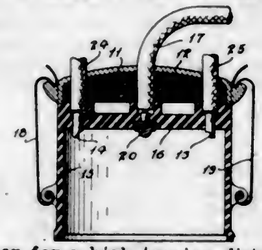
1. In a ruler, a body portion having a channel along one side thereof, both said body portion and the wall of said channel being of sheet metal, and a non-metallic ruling edge having a part thereof along one side located in said channel, the top, bottom and end portions of the wall of said channel being compressed into fixed engagement with corresponding portions of the surface of the enclosed part of said ruling edge, thereby forming a permanent and immovable joint between said body portion and ruling edge.

1,984,274
CLOTHESLINE ANCHORING DEVICE
Chester Librett, New Rochelle, N. Y., assignor of one-half to Nicholas A. Rabelos, New Rochelle, N. Y.
Application March 28, 1934, Serial No. 717,867
8 Claims. (Cl. 254—190)



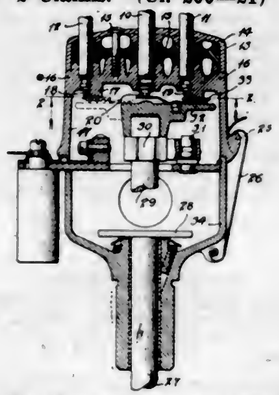
1. In a device of the character described, a pair of opposed cheek plates, said plates having a pair of aligned, opposed annular bearing races formed in their adjacent faces respectively, a series of independent rollers of circular cross section, each extending from one of said cheek plates to the other and having its opposite ends loosely disposed in said races respectively, said rollers being sufficient in number to substantially fill said races, and means to secure said cheek plates together, said cheek plates being spaced from each other radially outwardly from said races to provide a carrier receiving channel.

1,984,275
DISTRIBUTOR
Marion Mallory, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio, a corporation of Ohio
Application May 18, 1933, Serial No. 671,667
3 Claims. (Cl. 200—19)



1. A cover for a high tension distributor comprising a relatively soft rubber pad, high tension wires imbedded in said pad, a casing of relatively hard material protecting the outside surface of said pad, means for clamping the exposed surface of said soft rubber pad against the top of said distributor for the purpose described.

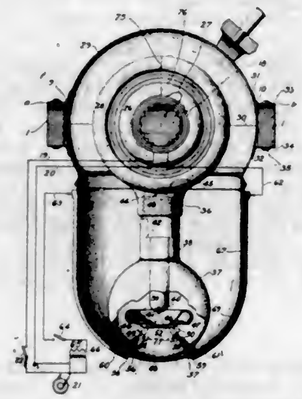
1,984,276
DISTRIBUTOR
Marion Mallory, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio, a corporation of Delaware
Application June 12, 1933, Serial No. 675,387
2 Claims. (Cl. 200—21)



1. In a distributor, the combination with a rotor having a metal blade thereon, of a housing provided with a roof of insulating material, a central terminal constantly connected to said blade, and a plurality of successive outer terminals adjacent the path of the outer end of said blade, said roof being formed with a rail, over the surface of which the blade rides, said rail being arranged to constitute a partition of insulating material between successive outer terminals.

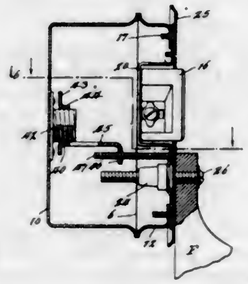
1,984,277
TRANSFORMER AND TRANSFORMER DEVICE
Montford Morrison, Montclair, N. J., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc., a corporation of Delaware
Application October 18, 1923, Serial No. 669,315
Renewed December 27, 1933
4 Claims. (Cl. 250—34)

1. In an X-ray apparatus, a transformer having a high voltage coil, an X-ray tube, means electrically connected with said coil and supporting the anode end of the X-ray tube in juxtaposition with said coil, said X-ray tube comprising a thermionic cathode, means to be connected to ground for



conducting electric current to said cathode, and an electrostatic ground shield surrounding said coil.

1,984,278
ELECTRIC CONNECTING DEVICE
Arvid H. Nero, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application May 4, 1931, Serial No. 534,975
3 Claims. (Cl. 247—20)

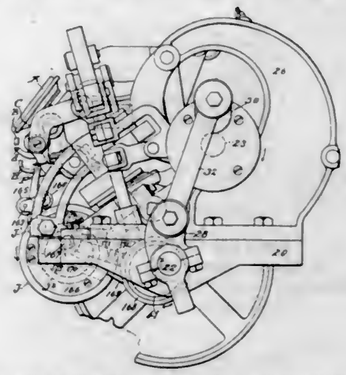


1. An electric receptacle, a yoke carrying said receptacle, in combination with an apertured housing having said yoke secured to it at its front face, a bracket member secured to and supported by the rear of said housing, and screw means for securing said yoke to said bracket, and an internally screw threaded stud on said yoke for supporting an electric translating device, and a face plate covering the mouth of said housing.

1,984,279
SEWING MACHINE TAKE-UP MECHANISM
John Roger Oliver, Medfield, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a corporation of Maine
Original application June 4, 1931, Serial No. 542,048. Divided and this application May 7, 1932, Serial No. 609,827
8 Claims. (Cl. 112—57)

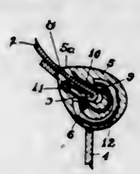
1. In a power operated barbed-needle two-thread stitching machine, a transverse shaft, a work support, a shuttle above the work support

adapted to take an under thread loop from the retracted needle and pass the loop over itself, and a take-up below the work support adapted to give out and take up the under thread, comprising a



disk, a thread guide at the periphery of the disk and means for rotating the disk continuously at variable speed including a crank connected to the disk and a connection from the shaft to the crank.

1,984,280
SPLASH GUARD ATTACHING DEVICE FOR VEHICLE FENDERS
Charles A. Persons, Worcester, Mass., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application February 27, 1932, Serial No. 595,467
7 Claims. (Cl. 280—152)

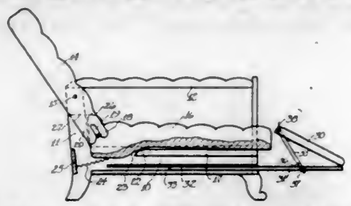


1. A device for attaching a splash guard to a vehicle fender, comprising a lug having a fender engaging clamp embedded therein and a splash guard supporting member extending through said lug on opposite sides of said clamp.

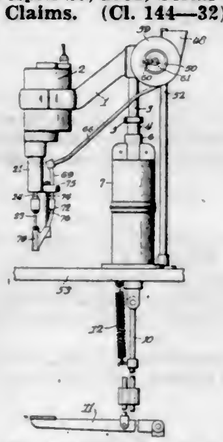
1,984,281
CHAIR
William H. Poggendorf, Rochester, N. Y.
Application November 21, 1932, Serial No. 643,697
1 Claim. (Cl. 155—116)

In a chair, the combination with a frame, a back pivotally mounted intermediate its ends on the frame, a seat slidably mounted in the frame, said seat and back being operatively connected at each side by pin and slot connections whereby a sliding movement is imparted to the seat on pivotal movement of the back, a pair of rails secured to either side of the frame beneath the seat and extending from the front of the frame close to the back of the seat and terminating in cam surfaces disposed at an angle to the direction of sliding movement of the seat, said seat having cam surfaces provided on the underside and at the rear thereof to cooperate with the cam surfaces of the rails to move the rear of the seat vertically as it slides in the frame, said back being formed with an upholstered portion projecting

over the upholstered portion of the seat to form an uninterrupted support for the back of the occupant of the chair in any position of adjustment of the chair.



1,984,282
POWER DRIVEN TOOL
William Harry Ray, Chicago, Ill.
Application April 29, 1931, Serial No. 533,621
6 Claims. (Cl. 144—32)



1. In apparatus for rotating a tool by power, the combination of a rotary member for supporting the tool in position to perform its desired work, a housing enclosing power controlling and transmission devices for rotating said member, a fixed table for the work, supporting and guiding instrumentalities mounted on said table at one side of said tool and whereby said housing is movable vertically to cause axial movement of said tool, means on said instrumentalities to adjust the housing and thereby move the tool up and down, said devices having means operable by said axial movement to open and close the mechanical transmission of power to said tool, and a motor rigid with said housing for operating said devices, movable up and down bodily therewith, said housing and motor being automatically movable upwardly in fixed relation, thereby to release the tool from the work and automatically open said transmission, said tool being a screwdriver, in combination with automatic mechanism for automatically feeding screws to the screwdriver, movable up and down bodily with said motor, with fixed means on said table to operate said mechanism.

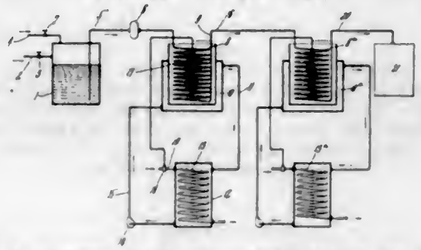
1,984,283
ESTER OF POLYCARBOXYLIC ACIDS
Ebenezer Emmet Reid, Baltimore, Md., and George L. Schwartz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 5, 1931, Serial No. 513,778
11 Claims. (Cl. 260—103)

8. A composition of matter comprising a hydrocarbon aryl mixed ester of a polycarboxylic acid which contains no unsaturated alkyl group, said hydrocarbon aryl mixed ester being selected from the group which consists of aryl ethyl, aryl tolyl and aryl amyl esters.

1,984,284
CELLULOSE DERIVATIVE COMPOSITION AND SOFTENER THEREFOR
Ebenezer Emmet Reid, Baltimore, Md., and George L. Schwartz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application February 5, 1931, Serial No. 513,778. Divided and this application November 4, 1933, Serial No. 696,640
24 Claims. (Cl. 106—37)

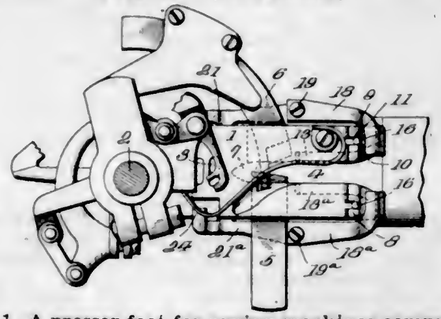
1. A composition comprising pyroxlin and an aryl alkyl mixed ester of a polycarboxylic aromatic acid.

1,984,285
RIPENING OF VISCOSE SIRUP
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application September 25, 1930, Serial No. 484,292
8 Claims. (Cl. 260—100)



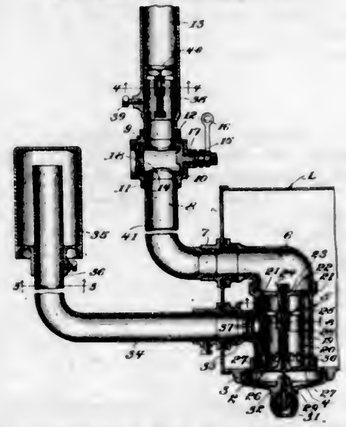
1. A process which comprises heating an unripened viscose sirup to a ripened condition short of gelling, and indirectly cooling the heat-ripened sirup quickly and artificially to a temperature at which the sirup may be kept in ungelled condition for a considerable period of time.

1,984,286
PRESSER FOOT FOR SEWING MACHINES
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application February 6, 1933, Serial No. 655,521
7 Claims. (Cl. 112—235)



1. A presser foot for sewing machines comprising a body portion having a needle opening therethrough and a slot in front of the opening adapted to receive the upturned edge portions of fabric sections for the trimming of the same, said presser foot having a yieldable fabric engaging member at each side of the slot extending substantially from the front end of the presser foot to the rear end thereof, and a yielding auxiliary pressing member located at each side of said slot and extending along the same from the front of the presser foot to a point in advance of the trimming devices and operating independently of the yielding fabric engaging members for controlling the edge portions of the fabric sections in front of the trimming devices.

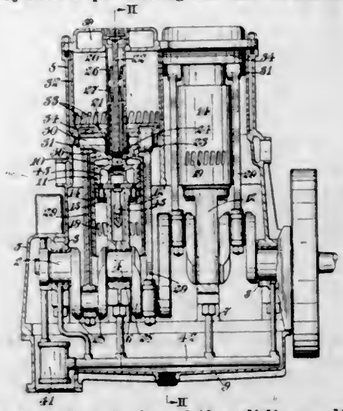
1,984,287
CARBURETOR
Eugene H. Rustin, Brooklyn, N. Y.
Application April 3, 1933, Serial No. 664,245
Renewed April 21, 1934
5 Claims. (Cl. 261—72)



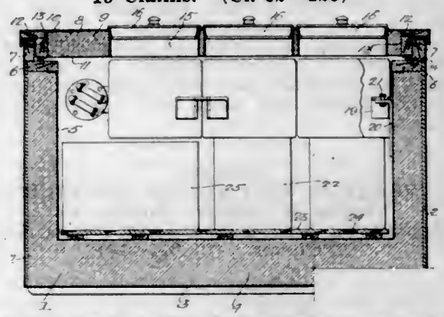
1. In combination with a fuel tank, a mixing chamber mounted in the fuel tank and having communication with the latter, means for regulating the fuel from the fuel tank to the mixing chamber, means for admitting air to the mixing chamber, an outlet manifold connected to the mixing chamber and to an intake manifold of an engine, a suction operated valve between the outlet manifold and the mixing chamber, and means affected by the movement of the suction valve to positively control the fuel from the tank to the mixing chamber.

1,984,288
TWO-STROKE CYCLE INTERNAL-COMBUSTION ENGINE
Philip Keith Saunders, London, England
Application March 3, 1932, Serial No. 596,590
In Great Britain March 19, 1931
4 Claims. (Cl. 123—50)

4. A two-cycle internal combustion engine having a crank case with a fixed cylinder thereon and lateral air pockets opening into the upper end of the cylinder near the top thereof, a sliding cylinder mounted in the outer fixed cylinder and having ports at its upper end for communication with said air pockets when the sliding cylinder is raised, a fixed piston mounted in the crank case and projecting into the sliding cylinder, a crank shaft mounted in the crank case, connecting rods between the crank shaft and said sliding cylinder, charge injecting means carried upon the outer cylinder for communication with the sliding cylinder when the latter is lowered, said outer cylinder having air exhaust ports at its lower end and said sliding cylinder having air exhaust ports at its lower end for communication with the exhaust ports of the outer cylinder when the inner cylinder is raised whereby air compressed in the air pockets may scavenge the interior of the sliding cylinder, said piston and said sliding cylinder providing an air cushion at the lower end of the stroke of the sliding cylinder to check the movement thereof and said sliding cylinder and said outer fixed cylinder providing an air cushion for checking the outward movement of the sliding cylinder.



1,984,289
REFRIGERATING SYSTEM
Harry L. Semans, Pittsburgh, Pa., and Gilbert T. Heddaeus, Wilmington, Del., assignors to Refrigerating Equipment Company, Wilmington, Del., a corporation of Delaware
Application October 7, 1930, Serial No. 487,054
Renewed May 10, 1934
15 Claims. (Cl. 62—126)

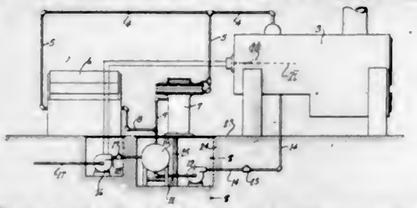


4. In a refrigerating device for ice cream cabinets or the like, an evaporator unit comprising a plurality of adjacent pairs of concentric members having their edges joined together to form a plurality of refrigerant chambers, the outer members of said pairs having openings, the edges of the openings of adjacent outer members being joined together, whereby said chambers are made communicating for the circulation of the refrigerant.

1,984,290
STEAM SYSTEM
Minor W. Stout, Kansas City, Mo.
Application April 25, 1932, Serial No. 607,313
5 Claims. (Cl. 237—67)

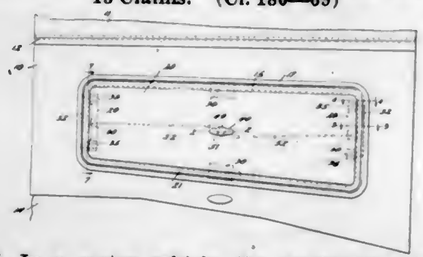
1. A steam installation including a boiler, a plurality of steam consuming units piped to be supplied from said boiler, a condensate reservoir disposed below said units, and piped to receive con-

densate therefrom by gravity, a pump having its intake connected to said reservoir, a conduit from the discharge of said pump to said boiler, a boiler supply pump, control means movable responsively



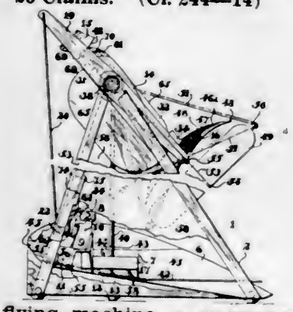
to change in boiler water level for controlling the operation of said supply pump, and a connection from said supply pump, to said condensate reservoir.

1,984,291
MOTOR VEHICLE
Cornelius W. Van Ranst, Detroit, Mich.
Application March 21, 1932, Serial No. 600,344
13 Claims. (Cl. 180—69)



1. In a motor vehicle, the combination with an engine hood having a ventilating opening therein, of a closure member for said opening, means for supporting said closure member for bodily movement toward and away from said opening, said means comprising a toggle connection between said hood and said closure member at opposite sides of the latter, and operating means for simultaneously moving said toggle connections toward and away from a straightened position.

1,984,292
VERTICAL LIFT FLYING MACHINE
Charles W. Waller, Chicago, Ill.
Application June 3, 1931, Serial No. 541,835
25 Claims. (Cl. 244—14)



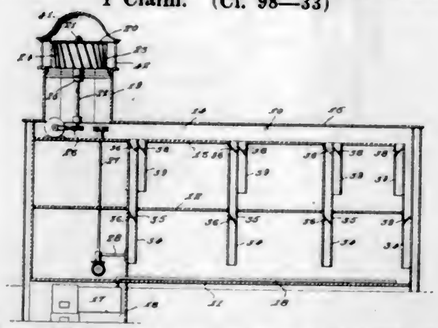
3. In a flying machine, a superposed lifting device having its longitudinal length substantially as long or longer than its transverse span, said device carrying a propeller having its diameter substantially as long as said span, a vertical rudder, a frame and engine disposed below said device, a vertical engine-drive-shaft connecting said engine with a driving pinion in mesh with a driven pinion in mesh with a driven gear secured to a longitudinal shaft carrying said propeller, and said device and propeller adapted of being adjusted in a vertical plane at will.

1,984,293
VEHICLE STEERING WHEEL
William E. Webb, Minneola, Fla.
Application April 4, 1933, Serial No. 664,409
3 Claims. (Cl. 74—557)



1. A finger grip comprising a globule-shaped core, a base for said core and having a groove lying in close proximity to the core, a lubricant applying lining mounted on the core and received in the groove, and a finger piece overlying the lining and received in the groove.

1,984,294
VENTILATING SYSTEM
Dell H. Wesley, Mardela Springs, Md.
Application September 9, 1931, Serial No. 561,929
1 Claim. (Cl. 98—33)

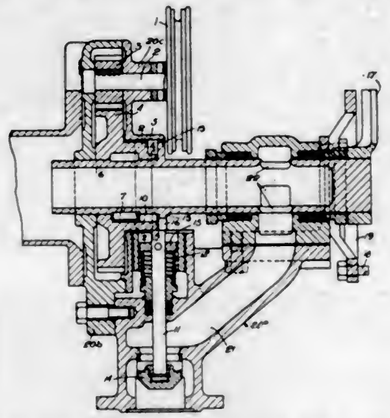


A ventilating system for poultry houses having multiple floors and a heat collecting and conveying compartment beneath the roof thereof, elongated conduits communicating with the lowermost room and the heat collecting and conveying compartment, relatively short conduits establishing connection between the heat collecting and conveying compartment and the upper room, damper valves included within the conduits for controlling the flow of air therethrough from the rooms to the mentioned compartment and between said rooms, and ventilating members exteriorly mounted upon the poultry house and open at their lower ends, the walls of the poultry house having transversely aligned inlet openings for establishing communication between the ventilating members and rooms.

1,984,295
SOOT BLOWER
Carl Axel Arvid Westerberg, Djursholm, Sweden, assignor to Aktiebolaget Superior, Stockholm, Sweden, a joint-stock company of Sweden
Application August 20, 1932, Serial No. 629,727
In Sweden August 21, 1931
4 Claims. (Cl. 122—392)

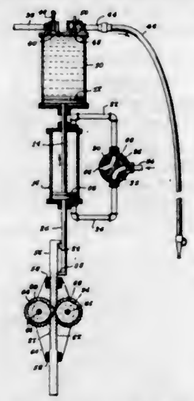
1. A soot blower, including a housing, a rotary blower tube having one end journalled in said housing, means for supplying steam to said housing and blower tube, a steam valve for controlling said steam supply, an actuating member loosely and rotatably mounted on the blower tube, means

for rotating said member, said member having a portion eccentric to the axis of said blower tube and arranged to open said valve upon rotation of said member, means for automatically closing the valve, a cam disk rigidly mounted on said blower tube and arranged to hold the steam valve



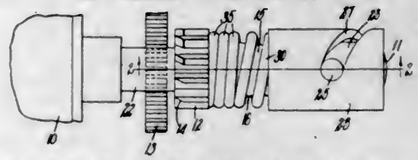
open in all angular positions of said cam disk except one, and coupling means for connecting said actuating member to said blower tube to rotate said tube and to move said disk to a position to hold said valve open after the initial rotation of said actuating member has effected the opening of the valve.

1,984,296
LIQUID-DISPENSING DEVICE
Lawrie L. Witter, Jamaica Plain, Mass.
Application May 21, 1932, Serial No. 612,748
8 Claims. (Cl. 221—102)



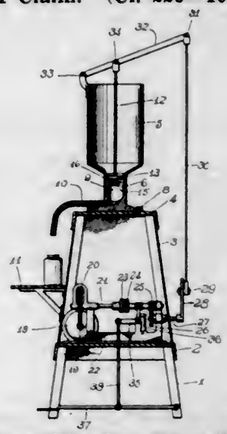
1. A liquid dispensing device comprising a cylinder with inlet and outlet ports, a piston in the cylinder, means for operating the piston, two abutment members, means connecting one of said members for movement synchronously with the piston toward and from the other member, a dial graduated to the value amount of the liquid dispensing capacity of the cylinder at a predetermined price, and means including an index cooperating with the dial graduations for adjusting the second member from an initial position toward the first member along the path of movement thereof, said last named means indicating the money value of the liquid dispensed.

1,984,297
ENGINE DRIVE MECHANISM
Rollin Abell, Milton, Mass.
Application October 22, 1931, Serial No. 570,297
18 Claims. (Cl. 74—9)



1. An engine starter comprising a motor, a rotatable shaft driven thereby, a driving member operatively connected to said shaft to rotate therewith, a driven member spaced apart from said driving member, and a coil spring interposed between said driving and driven members and forming a friction clutch and axial and radial shock absorbing connection therebetween, for the purpose of preventing tooth chipping.

1,984,298
FLUID DISPENSING MACHINE
Hyman J. Aroesty, Rochester, N. Y.
Application February 23, 1932, Serial No. 594,408
1 Claim. (Cl. 226—107)

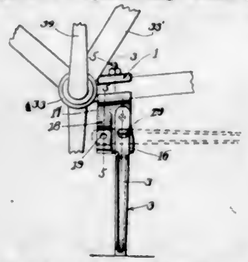


In a filling machine for viscous fluids, the combination with a base forming a casing and a hopper having a neck by which it is supported upon the casing and forming a measuring chamber in its bottom that is gravity filled from the hopper, said measuring chamber being provided with a fixed lateral discharge nozzle also adapted to be supplied by gravity induced flow and leading laterally and downwardly to the side of the base casing, the latter being provided with a filling station support at that point, of a plunger extending vertically through the hopper and provided with a pumping head operating in the chamber, a beam pivoted to one side of the hopper at one end and to the plunger at an intermediate point, a prime mover and transmission gear housed within the casing, and connections between the prime mover and the beam.

1,984,299
BICYCLE STAND
Berry Cohen, Atlanta, Ga.
Application April 19, 1933, Serial No. 666,903
9 Claims. (Cl. 208—79)

1. In a bicycle stand, an apertured clamping member for seating upon a portion of the frame of the bicycle, an apertured head piece for positioning against the lower face of said portion and including an outwardly depending means for

selectively latching a shiftable support therewith in shifted and non-shifted positions, said means having its upper end disposed at the transverse median of the lower face of the head piece and flared outwardly and inwardly, the aperture in said head piece being offset with respect to the aperture in said member, the upper portion of said means being grooved centrally of its inner face, said groove registering with a part of the

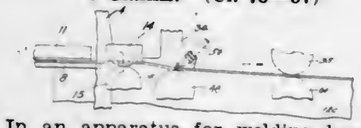


wall of the aperture in the head piece, and a connecting device extending through the aperture of said member and head piece for securing them to said frame portion, said device being inclined with respect to said member and head piece and having its lower part seated in said groove and abutting the lower face of the head piece and its upper part abutting the upper face of said member.

1,984,300
APPARATUS FOR WELDING CYLINDRICAL BODIES

Vernon E. Cornell, Cleveland, Ohio, assignor to Cornell Securities Corporation, Cleveland, Ohio, a corporation of Delaware

Application March 25, 1931, Serial No. 525,154
Renewed March 7, 1934
6 Claims. (Cl. 78—87)



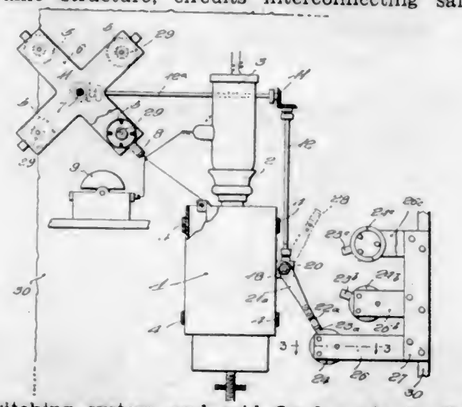
1. In an apparatus for welding longitudinal seams in metallic shells, an elongated support for the shells, means for propelling the shells along the support including driven rollers, for gripping the shell material adjacent the longitudinal edges thereof and propelling the shell along the support, and supplemental driven propelling rollers for discharging said shells from the support, a shoe intermediate said spaced driven rollers to exert a pressure radially first against the edges defining the seam and then progressively circumferentially of the shell whereby the edges of the seam are caused to creep together in contacted relation said shoe comprising a substantially L-shaped hollow member, the base of the shoe terminating at one end in a pair of spaced pressure feet and terminating rearwardly in an inclined heel portion for engaging the shell along the longitudinal edges, and means to fuse the contacted edges.

1,984,301
FREQUENCY ADJUSTING SYSTEM

Louis A. Gebhard and Corric F. Rudolph, Washington, D. C.; said Gebhard assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application April 18, 1930, Serial No. 445,416
8 Claims. (Cl. 250—17)

1. In a high frequency transmission system, electron tube stages having input terminals and output terminals, a multiplicity of tunable circuits, a plurality of fixed output inductance units of different frequency characteristics, contacts extending from each of said fixed inductance units, a selective switch connectible to the contacts of any one of said fixed inductance units, a movable frame structure, input inductance units each having projecting contacts thereon and supported by said movable frame structure, a set of fixed contacts engageable with the contacts carried by the input inductances on said movable frame structure, circuits interconnecting said

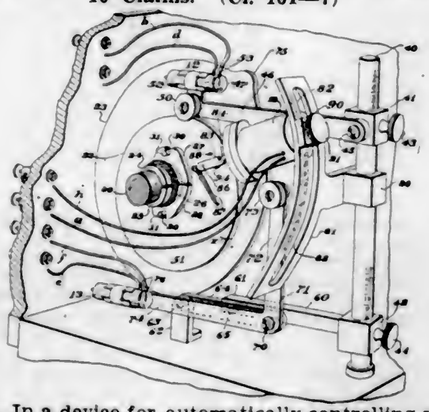


switching system and said fixed contacts, the number of said output inductance units and contacts therefor being one less than the number of said input inductances, and a control system interconnecting said switching system and said movable frame structure for simultaneously shifting said movable frame structure and operating said switching system for the selective operation of said transmitter circuits on a particular signaling frequency, for connecting one of said output coils to said switch for each position except one of said movable frame which connects an input coil to said fixed contacts.

1,984,302
TIME PERIOD CONTROL DEVICE

Reinier P. De Vries, Melrose, Mass., assignor to Revere Sugar Refinery, Boston, Mass., a corporation of Massachusetts

Application July 31, 1931, Serial No. 554,269
10 Claims. (Cl. 161—7)



1. In a device for automatically controlling the timing of the cycle of operation of a centrifugal machine having a wash fluid valve, the combination of cam mechanism having dwell portions and actuating portions, shaft means for rotating said cam mechanism during the cycle of operation to measure the timing of the steps constituting the said cycle, frictional drive means connecting the shaft means and the cam mechanism, cam following means adapted to respond to the configuration of said cam mechanism, means actuated by said cam following means to open the wash fluid valve at a predetermined time after the beginning of the time measuring rotation of the cam mechanism and to close the said valve at a second predetermined time after the beginning of said rotation, means to vary the initial relative positions of the actuating portions of the cam mechanism and the cam following means to alter the first of said predetermined time periods and means to vary the extent of said actuating portions to alter the second of said predetermined time periods.

1,984,303
MANUFACTURE OF ARTIFICIAL SILK

Gustav Hardt, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 4, 1932, Serial No. 636,177
7 Claims. (Cl. 106—40)

1. A cellulose filament, containing a phosphorprotein, oleic acid and triethanolamine.

1,984,304
MANUFACTURE OF ARTIFICIAL SILK

Gustav Hardt, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 4, 1932, Serial No. 636,181
6 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of artificial products comprising a cellulosic spinning solution, about 5% casein and about 5% of a monocyclic terpene of the group consisting of alpha-terpineol, beta-terpineol, gamma-terpineol, terpineol-1, terpineol-4, dihydrocarveol, iso-pulegol, delta-3-menthenol-8 and delta-2 menthenol-1, said percentages being based upon the cellulose content of the solution.

1,984,305
MAKING ARSENATE OF LEAD

Oscar Fred Hedenburg, Pittsburgh, Pa., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application July 12, 1932, Serial No. 622,115
8 Claims. (Cl. 167—15)

1. In a process of producing a lead arsenate, readily wettable by water, the steps of incorporating a small amount of a medium boiling petroleum distillate in an aqueous suspension of lead arsenate before filtration of the lead arsenate therefrom, separating the lead arsenate from the liquid medium and drying it.

1,984,306
IMPREGNATION OF TEXTILES

Franz Hoelkeskamp, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

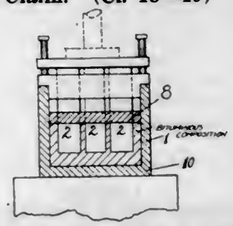
No Drawing. Application August 18, 1932, Serial No. 629,401. In Germany October 10, 1931
4 Claims. (Cl. 91—68)

2. The process of water-proofing textile materials, consisting in successively treating the textiles in an aqueous solution of nickel sulphate and an alkali hydroxide, so that an insoluble precipitate is formed on and in the textile material, drying the textile material thoroughly, and then treating it with a wax-stearine emulsion.

1,984,307
MOLDING APPARATUS

Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application July 28, 1930, Serial No. 471,181
1 Claim. (Cl. 18—19)

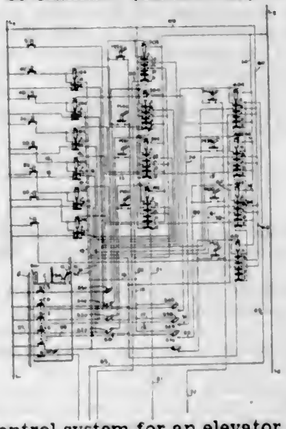


Apparatus for the high pressure molding of articles from plastic material by the extrusion of a portion of said material from a mass thereof, comprising a hollow-mold member having confining means at one end to confine said mass, and a plunger member movable toward said confining means within the mold member to press said mass against said confining means, said plunger member being narrower than the interior of said mold member to leave a space into which a portion of said mass is extruded toward the opposite end of the mold, and a control member movable in said space under propulsion of and presenting resistance to the advance of said extruding portion of said mass, to control the disposition of said extruding portion at the advancing edge thereof, said control member fitting said space loosely enough to tilt and bind against the other members of said apparatus under unequal conditions of propulsion, thereby augmenting its resistance to said advance until said conditions of propulsion are more nearly equalized.

1,984,308
CONTROL SYSTEM

Luther J. Kinnard, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, a corporation of Illinois

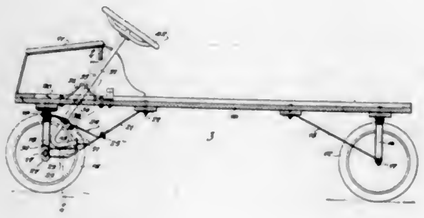
Application June 8, 1927, Serial No. 197,279
68 Claims. (Cl. 187—29)



1. In a control system for an elevator car operable in a hatchway past a plurality of floors, car

and hatchway closures, call means for dispatching said car to each of the floors, for travel in one direction, call means for dispatching said car to each of said floors for travel in another direction, means for causing said car to respond to an operated call means, to stop said car successively at other floors for which call means have subsequently been operated corresponding to the direction in which said car must travel toward said first-operated call means, and, responsive to an operated call means for a floor which the car has passed while traveling toward said first operated call means, for reversing said car after stopping at the farthest floor in said direction for which a call means has been operated, means operated by the opening of a closure for rendering said car inoperative to respond to any call means, and means for preventing said car from responding to a call means for the other direction for a predetermined time after said closure has been closed.

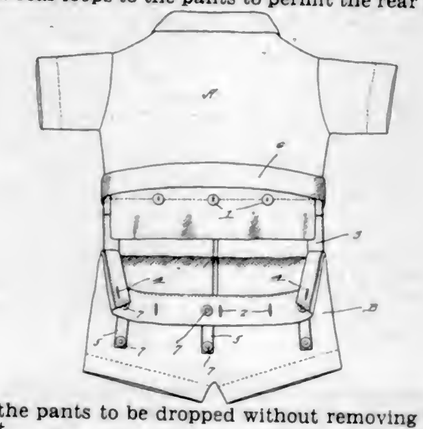
1,984,309
STEERING GEAR FOR VEHICLES
Rudolph Klatt, North Tonawanda, N. Y., assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y., a corporation of New York
Application May 4, 1933, Serial No. 669,348
1 Claim. (Cl. 280—87.5)



A steering gear for a vehicle having a body, and a transverse axle having a longitudinal axis but incapable of rotation about this axis, a bolster rigidly connected with said axle and pivoted midway of its length by a vertical pivot on said body so as to turn in a horizontal plane, including a rearwardly inclined steering post rotatably mounted on said body and provided at its lower end with a crank arm, a yoke having a cross bar arranged lengthwise of the axle and provided with lugs at its ends which receive said axle and which are capable of turning vertically, and a steering arm arranged lengthwise of the post and connected at one end with said cross bar and provided at its opposite end with a lug which is slidable lengthwise on said crank arm.

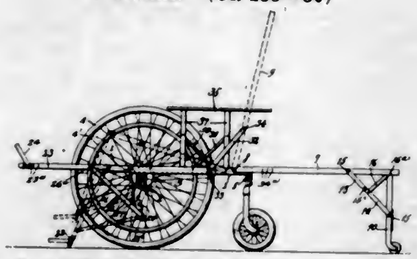
1,984,310
GARMENT
Joseph H. Lakritz, Cleveland Heights, Ohio
Application May 1, 1934, Serial No. 723,384
2 Claims. (Cl. 2—80)

1. A garment of the class described comprising a blouse and pants, said pants having buttonholes in the top thereof, buttons on the lower part of the blouse adapted to pass through the holes for detachably connecting the blouse to the pants, said pants having an opening in each side at the top thereof, some of the buttons and the holes acting to close said openings, a belt, loops at the top of the pants through which the belt passes, and means for detachably connecting portions of the rear loops to the pants to permit the rear part



of the pants to be dropped without removing the belt.

1,984,311
COMBINED ARMCHAIR AND BED DEVICE
Hortensia Lamar and Francisco de P. Moreno, Marianao, Cuba
Application October 11, 1929, Serial No. 399,025
In Cuba May 27, 1929
3 Claims. (Cl. 155—30)

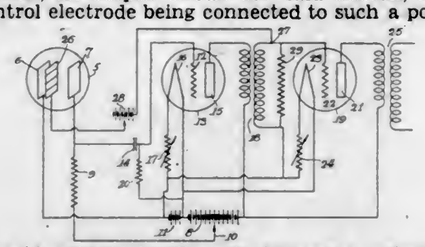


1. A combined chair and bed, comprising a main frame, an axle and wheels carrying the main frame, a frame composed of a seat member, a member adapted to have a horizontal position and when in horizontal position to form a portion of a bed and when in inclined position to form a back, and a foot member, the said seat and bed and back forming members being pivotally connected on adjacent points to the main frame and the foot member being pivotally connected to the seat member, legs pivotally connected to the bed and back forming member, standard links secured to the sides of the seat member and provided with a series of open notches each adapted to engage the axle to adjustably hold the seat member in an inclined position when so desired, braces, and means adjustably connecting the braces to the sides of the foot member and to the free end of said standard links.

1,984,312
PHOTOCELL CIRCUITS
Archie J. McMaster, Chicago, Ill., assignor to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application September 3, 1929, Serial No. 390,009
6 Claims. (Cl. 250—41.5)

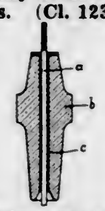
1. In an apparatus of the class described, a photoelectric cell having a cathode and anode and a control electrode, an audion, an input circuit for said audion, said cathode and anode

being connected to the input circuit of said audion, an output circuit for said audion, said control electrode being connected to such a point



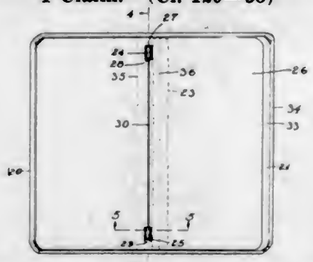
in said output circuit as to impress a potential in phase with the space current of the photoelectric cell upon said control electrode.

1,984,313
SPARKING PLUG
Artur Möhrle, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application May 31, 1933, Serial No. 673,753
In Germany June 24, 1932
12 Claims. (Cl. 123—169)



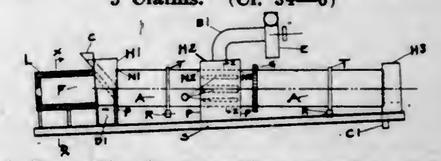
1. In a sparking plug, an insulating body, an electrode, and a heat-resisting water glass cement which sets relatively quickly even when substantially out of contact with air, securing said electrode in said insulating body.

1,984,314
LOOSE LEAF BINDER
Cyrus E. Morehouse, Clifton Heights, Pa., assignor to National Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1932, Serial No. 599,175
1 Claim. (Cl. 129—38)



A loose-leaf book including a pair of flexibly connected covers, and a back intermediate thereof, a pair of opposite, aligned and co-acting sockets intermediate said covers, and secured to one of said covers in proximity to the back of the book, each being spaced inwardly a suitable extent from the opposed edges common to both covers, said sockets being open at their ends nearest to each other and being substantially closed at their ends farthest from each other, a folded, double, loose-leaf sheet having a pair of apertures at the fold thereof corresponding to said sockets and fitting over the same, and a normally substantially straight resilient retainer wire of a length substantially greater than the shortest distance between said sockets, having its opposed ends projecting into said sockets a suitable extent and engaging the fold of said double sheet intermediate the pair of socket-receiving apertures thereof, thereby to retain the same in operative relation to said covers and back.

1,984,315
AGGREGATE TREATING APPARATUS
Theodore H. Morris, Wayne, Pa.
Application October 17, 1931, Serial No. 569,473
5 Claims. (Cl. 34—6)

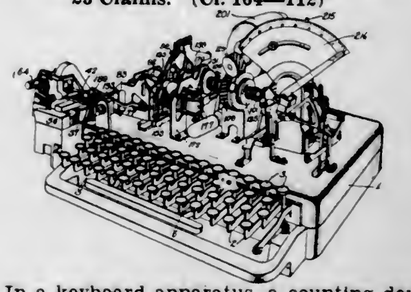


1. In a drier for preparing a paving mixture the combination of a rotatable cylinder provided with an inlet and an outlet for material, a source of heat adjacent said inlet and arranged to project burning products into material within said cylinder, means for introducing cool air to opposite ends of said cylinder, a manually operated device for regulating said air, and an exhausting means between said inlet and said outlet for causing the material at one end of said cylinder to be in a heated condition and the material at the opposite end of said cylinder in a cooled condition according to requirements.

1,984,316
STRIKING MATERIAL FOR MATCHES
Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 19, 1931, Serial No. 569,854
8 Claims. (Cl. 52—28)

1. A match abrasive paint containing nitrocellulose, red phosphorus, a solvent, and incorporating ferrous sulphate.

1,984,317
KEYBOARD PERFORATOR AND COUNTER
Albert H. Reiber and Maurus T. Goetz, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 25, 1932, Serial No. 601,170
23 Claims. (Cl. 164—112)



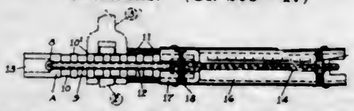
1. In a keyboard apparatus, a counting device comprising a single unit wheel and means to variably control the operation of said unit wheel, a selector mechanism associated with said device, a series of key levers, a corresponding series of code elements, each of said code elements adapted

to be actuated by its corresponding key lever to selectively operate said selector mechanism, and means to effect the storage and subsequent transfer of the condition set up in the selector mechanism to the counting device to permit the subsequent operation of the storing means during the operation of the counting device.

1,984,318
THRUST INDICATING DEVICE

Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 20, 1930, Serial No. 476,519
6 Claims. (Cl. 265—47)

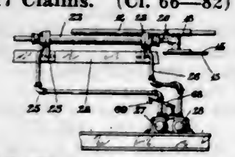


5. In a device of the character described, for use with a track switch and an operating connection therefor having a jaw pin, a thrust indicator comprising a deflection member adapted to take the place of the jaw pin, said deflection member comprising two resilient side members adapted to be moved relatively to each other to a degree varying with the pressure applied thereto, and deformable means for indicating the relative deflection of said side members.

1,984,319
FLUID OPERATED RECIPROCATING MECHANISM FOR KNITTING MACHINES

Max Richter, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application October 1, 1931, Serial No. 566,264
17 Claims. (Cl. 66—82)

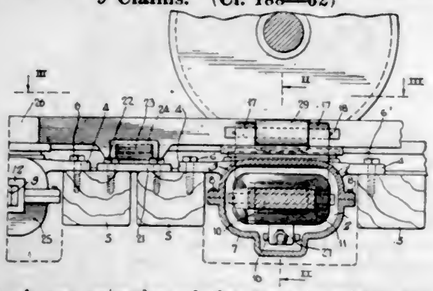


1. In a full fashioned knitting machine having a reciprocable member; a reversible fluid motor operatively connected to said member; a rotatable shaft; and fluid pressure generating means actuated by said shaft for operating said motor in opposite directions to reciprocate said member.

1,984,320
MAGNETIC CAR RETARDER AND SYSTEM OF CONTROL THEREFOR

Oscar A. Ross, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application January 7, 1928, Serial No. 245,141
9 Claims. (Cl. 188—62)

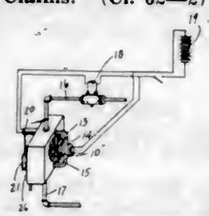


1. A car retarder of the type in which brake shoes disposed along the railway track are adapted to engage the sides of passing car wheels comprising brake shoes, electrically controlled means for operating said brake shoes, movable selecting means for controlling said electrically controlled means and code responsive apparatus for moving the said selecting means.

1,984,321
REGULATOR FOR REFRIGERATIVE SYSTEMS

Louis Schwitzer, Indianapolis, Ind., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware

Application January 26, 1931, Serial No. 511,118
10 Claims. (Cl. 62—2)

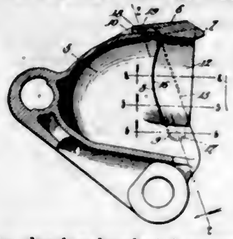


1. A refrigerative system comprising a heat exchanger having connection with a supply of refrigerant; means in said connection for controlling the flow of refrigerant through the exchanger; means for moving air past the exchanger; and a displaceable member for actuating said control means in accordance with the air flow past said exchanger; and a housing extending from said exchanger and adapted to protect the displaceable member while permitting operative movements thereof.

1,984,322
DREDGE BUCKET AND LIP ASSEMBLY

William H. Stires, High Bridge, N. J., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey

Application June 15, 1932, Serial No. 617,467
18 Claims. (Cl. 37—141)



1. A chain dredge bucket having a lip seat, in combination with a separable lip, means on the bucket and cooperating means on the lip and relatively engageable so that the lip may be supported on its end extremities in upraised position and then eased through a circumscribed arc to seating position, and means for securing the lip in operative relation with the bucket.

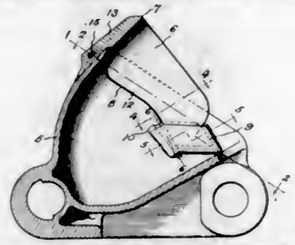
1,984,323
DREDGE BUCKET

William H. Stires, High Bridge, N. J., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey

Application July 6, 1933, Serial No. 679,259
9 Claims. (Cl. 37—141)

1. A dredge bucket comprising a hood having a rim seat and having bearing surfaces obliquely

disposed with relation to said seat, and a lip having downwardly and rearwardly slanted terminals adapted to establish fulcrum relation with

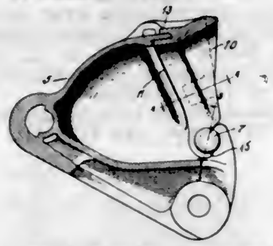


said bearing surfaces whereupon the lip may be swung through a circumscribed arc into tightening seating relation with the rim.

1,984,324
DREDGE BUCKET AND LIP ASSEMBLY

William H. Stires, High Bridge, N. J., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey

Application August 3, 1934, Serial No. 738,365
10 Claims. (Cl. 37—141)



1. A chain dredge bucket combined with a lip in straddling relation with the rim of the bucket, said bucket having opposed hub-like members, and the lip having its terminals constructed and arranged swingingly to engage said hub-like extensions.

1,984,325
MANUFACTURE OF ARTIFICIAL FILAMENTS

Johann Joseph Stoeckly and August Brötz, Teltow Seehof, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 11, 1931, Serial No. 562,412. In Germany November 6, 1930
2 Claims. (Cl. 18—54)

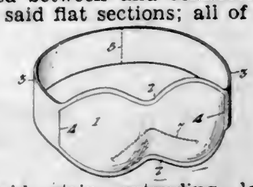
1. In the manufacture of artificial filaments in skein form, the steps of extruding filaments, winding the same upon a permeable fabric detachably secured on a winding reel, the said filaments being wound thereon with a crossing angle such that the wound filaments may be laced, lacing the skeins thus formed, wrapping each skein in the said permeable fabric, washing and after-treating the skeins thus wrapped, oiling and sizing the said skeins and drying the skeins before they are removed from the said wrapping.

1,984,326
LOCKSTITCH KNIT FABRIC AND METHOD OF MAKING SAME

Joseph Titone, Riverbank, N. J., assignor to Neidich Cel-Lus-Tra Corporation, Burlington, N. J., a corporation of New Jersey

Application February 24, 1934, Serial No. 712,713
17 Claims. (Cl. 66—176)

1. In a lockstitch knit elastic fabric, for corseting garments; the combination, in a continuous integrally knit self-edged strip, of a longitudinal series of flat sections of fabric which is elastic both longitudinally and transversely; and a longitudinal series of concavo convex breast pockets of inelastic fabric, having borders of elastic fabric at the opposite edges of said strip, and individually interposed between and connected in spaced relation by said flat sections; all of the threads

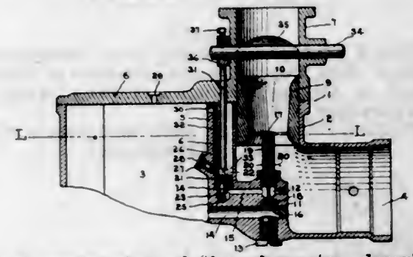


forming said strip extending longitudinally therein, but having lateral interloops forming the lockstitches for preventing any run in said fabric from any hole made therein; some threads in said pockets being discontinuous with respect to the threads in said flat sections and some threads in said flat sections being discontinuous with respect to the threads in said pockets.

1,984,327
CARBURETOR

Henry P. Vaughan, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application September 17, 1930, Serial No. 482,411
7 Claims. (Cl. 261—51)



1. A carburetor of the character described, comprising a casing having a mixing chamber, a throttle valve to control flow from said chamber, an air inlet to said chamber, a fuel nozzle discharge tube positioned in said inlet and discharging upwardly into said chamber, a second nozzle tube positioned in said air inlet and discharging into said chamber, a fuel well, means to supply air to said well, a valve chamber beneath said well and substantially concentric therewith, a partition between said well and valve chamber and having a valve port, a passageway connecting said valve chamber and said second-named nozzle tube, a valve in said valve chamber cooperable with said port, means to supply fuel to said well, and throttle operated means to open said last-named valve.

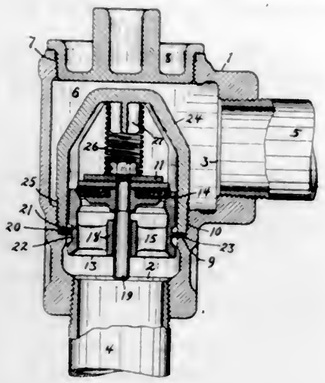
1,984,328
VALVE STRUCTURE

Reuben E. Bechtold, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, a corporation of Indiana

Application September 6, 1932, Serial No. 631,825
2 Claims. (Cl. 251—144)

1. A valve structure consisting of a chambered pipe connection having pipe openings and a hand-hole opposite and alined with one of said openings, and provided with an internal annular gasket seat, a plug for closing said hand-hole, a gasket on said seat, a sleeve having a valve seat and a thin uniformly shaped annular

fin extending radially from its outer wall that rests on said gasket and suspends said sleeve in the chamber of said connection, a yoke having an integral ring threaded in said pipe con-



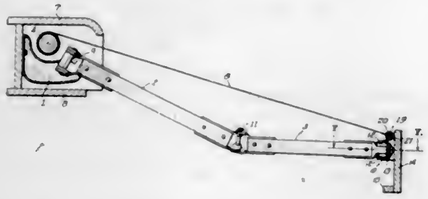
nection to clamp said fin in place therein, a check-valve on said valve seat, and a compression spring compressed between the yoke and valve.

1,984,329

FRONT BOARD SUPPORT FOR AWNINGS

Edwin F. Bell, Topeka, Kans., assignor to Topeka Tent & Awning Company, Topeka, Kans., a corporation of Kansas

Application November 30, 1931, Serial No. 577,891
7 Claims. (Cl. 156—44)



1. The combination in a lateral arm awning, of a plurality of laterally movable arms, a front board at the outer ends of said arms, and a rotatably adjustable connection uniting each of said arms and the board for rotatable adjustment of the latter on its longitudinal axis to change the angle of its face in relation to the plane of movement of the folding arms.

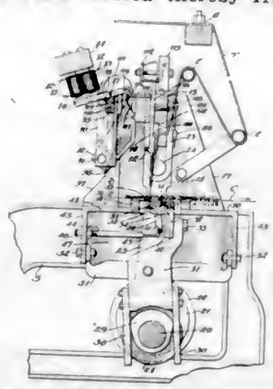
1,984,330

MULTIPLE NEEDLE SEWING MACHINE

Erskine E. Boyce, Gastonia, N. C., assignor to The Boysell Company, Gastonia, N. C., a corporation of North Carolina

Application January 12, 1932, Serial No. 586,204
14 Claims. (Cl. 112—221)

1. In a machine of the character described, a carrier for a plurality of needlebars, means releasably latching the needlebars individually to the carrier for collective movement therewith, a bed for fabric, means for reciprocating said carrier transversely to the plane of the bed, and means operable by movement of said carrier for unlatching one or more of the needlebars to prevent needles carried thereby from piercing



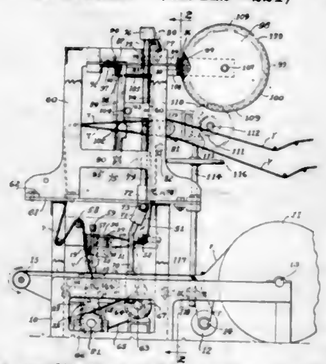
the fabric on the bed when the carrier reciprocates.

1,984,331

CONTROL MECHANISM FOR MULTIPLE NEEDLE SEWING MACHINES

Erskine E. Boyce, Gastonia, N. C., assignor to The Boysell Company, Gastonia, N. C., a corporation of North Carolina

Application April 14, 1933, Serial No. 666,208
15 Claims. (Cl. 112—221)



1. In a multiple needle sewing machine for tufting fabrics, a carrier for a plurality of needlebars, means to reciprocate the carrier toward and away from the fabric, means to selectively latch and unlatch the needlebars to the carrier prior to its movement toward the fabric, said means including a rotatable pattern drum, and means to move the drum a predetermined distance each time the carrier is away from the fabric.

1,984,332

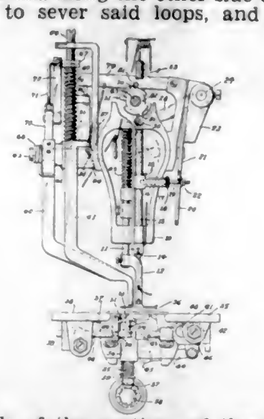
SEWING MACHINE

Erskine E. Boyce, Gastonia, N. C., assignor to The Boysell Company, Gastonia, N. C., a corporation of North Carolina

Application October 31, 1933, Serial No. 696,095
18 Claims. (Cl. 112—79)

1. In apparatus of the character described, a reciprocating needle bar and a needle carried thereby, means to lock the needle and needle bar together whereby the needle will pierce fabric at predetermined times to form loops on one side of the fabric and to unlock the needle from said bar at other times whereby the needle will not pierce the fabric at said other times but will

carry the thread along the other side of the fabric, means to sever said loops, and means to



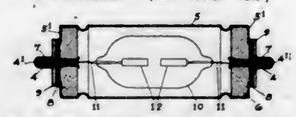
pull the ends of the portions of the thread on said other side out of the fabric.

1,984,333

LIGHTNING ARRESTER

Ainslie T. Carter, Coldwater, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application September 21, 1928, Serial No. 307,471
7 Claims. (Cl. 175—30)



1. In a lightning arrester, an arrester unit, said unit comprising, a hollow open ended shell of conducting material, an end piece of insulating material forming each end of said shell with said conducting material crimped over the outer end of each end piece, a conducting stud spaced from said crimped ends and passing through each end piece and projecting beyond the outer face of each end piece, an accurately formed insulating washer on each stud and bearing flat against said crimped over parts of said shell, and a conducting washer on each stud and bearing flat against said insulating washer, whereby to form an invariable air gap of predetermined size between said conducting shell and said conducting washers.

5. In a lightning arrester, in combination, an open ended metallic shell, a non-conducting head in each end of the shell, a conducting stud projecting out from each head, a washer of conducting material on each stud, and an insulating washer on each stud and electrically insulating each conducting washer from the shell.

1,984,334

MANUFACTURE OF ALCOHOLS

Louis A. Clarke, Fishkill, N. Y., and Leon W. Cook, Roselle, N. J., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 20, 1933
Serial No. 672,041
12 Claims. (Cl. 260—156)

1. The process for the preparation of alcohols which comprises treating a halogen derivative of a hydrocarbon, containing an alkyl group to which the halogen is attached, with a bivalent hydroxide of a metal of variable valence of the zinc group.

1,984,335

METAL COATED FERROUS ARTICLE AND PROCESS OF MAKING IT

Frederick M. Crapo, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a corporation of Indiana

Application August 12, 1931, Serial No. 556,631
8 Claims. (Cl. 91—68.2)



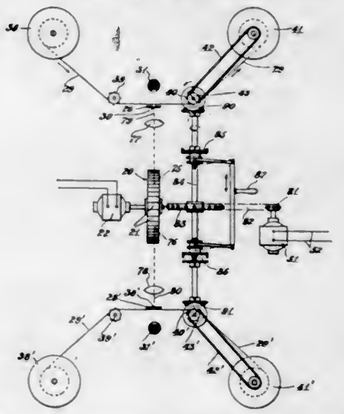
1. A zinc-coated ferrous article, comprising a ferrous base having a hot-galvanized coating of zinc thereon, and over that a second coating of zinc applied by a different process and comparatively pure and free from alloy and comparatively heavy.

1,984,336

TELEVISION METHOD AND APPARATUS

Harold P. Donle, Meriden, Conn., assignor to Radio Inventions, Inc., a corporation of New York

Application June 16, 1931, Serial No. 544,718
4 Claims. (Cl. 178—6)



1. Multiple scanning apparatus including a single light source, optical means for producing two concentrated substantially parallel beams from said source, a single rotating mirror drum reflecting said parallel beams in two opposite directions, a scanning slit in the path of each reflected beam, motion picture films in motion in the path of each beam and light sensitive cells in the path of each of the beams traversing said films, said mirror drum scanning both films in one direction, and said slits and relative motion of the films, scanning both films in the other direction.

1,984,337

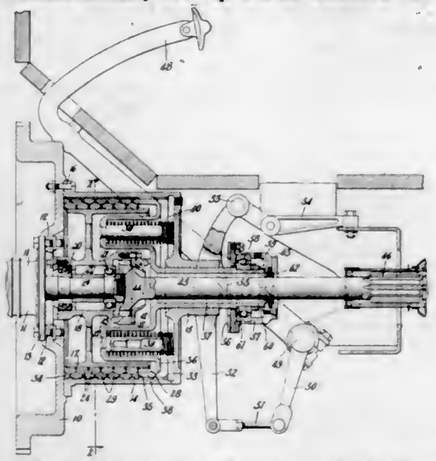
FRICTION CLUTCH

Gustave Fast, Annapolis, Md., assignor to Gustave Fast Engineering Corporation, Annapolis, Md., a corporation of Maryland

Application February 4, 1930, Serial No. 425,758
14 Claims. (Cl. 192—72)

1. In a device of the class described a plurality of outer friction elements formed of forged steel, a plurality of co-operating inner friction elements formed of cast iron, said outer and inner elements having co-operating camming surfaces co-acting at a mechanical advantage, and

means for shifting said surfaces relatively axially to simultaneously set up tensile stresses in all



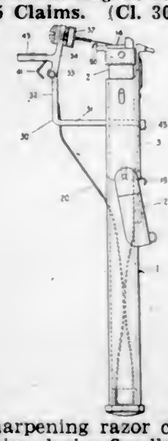
of said outer elements and compressional stresses in all of said inner elements.

1,984,338

SAFETY RAZOR

Leon A. Flinker, Detroit, Mich., assignor of one-fourth to John A. Geismar, Toledo, Ohio

Application January 12, 1931, Serial No. 508,164
Renewed August 10, 1934
15 Claims. (Cl. 30—12)



1. A self-sharpening razor comprising a handle, a sharpening device fixedly supported by the handle in sharpening position, a guard plate, a pivotally mounted blade, means for reciprocating the blade over the surface of said device at a fixed angle, and means for moving said guard plate below the sharpening surface of said device.

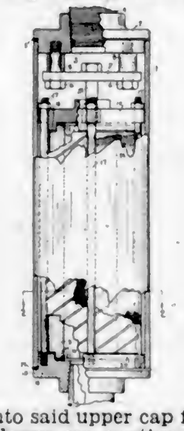
1,984,339

FILTER DEVICE

Clarence J. Freed, George M. Baum, and Frank S. Patterson, Youngstown, Ohio, assignors to Youngstown Research Association Incorporated, Youngstown, Ohio

Application January 9, 1934, Serial No. 705,878
2 Claims. (Cl. 210—165)

1. In a filter device, a casing, a porous member positioned within said casing, an upper cap inclosing the upper end of said porous member, a central opening within said porous member, a lower cap portion fitting on lower end of said porous member and enclosing the lower end of said casing, a central opening in said lower cap portion, an upper cap member inclosing the upper end of said casing, a pair of lug bolts carried on under side of said upper cap member, a bridge member carried by said lug bolts, and a tension lug passing through said bridge member



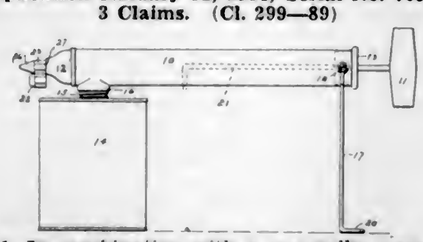
and threaded into said upper cap for the purpose of holding the lower cap portion and the upper cap member in a secure position in relation to the casing, a plurality of bolts for the purpose of holding said upper cap and said lower cap portion securely against the ends of said porous member.

1,984,340

SPRAY PUMP CONSTRUCTION

Alexander Goulard, Westfield, N. J., and Harold G. Olena, Brooklyn, N. Y., assignors to Goulard & Olena, Inc., New York, N. Y., a corporation of New York

Application January 31, 1934, Serial No. 709,162
3 Claims. (Cl. 299—89)



1. In combination with a manually-operated, hand spray pump a container for holding a quantity of liquid to be sprayed by the pump; means for attaching the pump to said container; a wire support pivotally secured to the handle end of the pump cylinder; said support being of a height determined by the height of the container to which the pump is attached so that it, together with the container, will form means for maintaining the pump in a substantial horizontal position when placed on a level surface; and the support being foldable against the pump cylinder when the pump is in use.

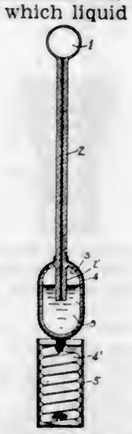
1,984,341

DIRECT READING RELATIVE HUMIDITY INDICATOR

John J. Grebe and Leonard C. Chamberlain, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 5, 1931, Serial No. 579,196
7 Claims. (Cl. 73—24)

3. In apparatus for indicating relative humidity the combination of; a dry bulb comprising a closed chamber and a gas therein; a wet bulb comprising a second closed chamber, a gas therein and means to wet the outer surface of said second closed chamber; a passageway, of which at least a part is transparent, connecting said wet and dry bulbs; a compensatory quantity of liquid interposed between the gases in said wet and dry bulbs, of which liquid at least a portion



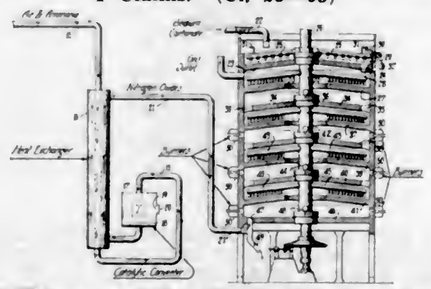
occupies a part of said passageway, and adapted to movement in said passageway such that the meniscus of the liquid portion therein is visible in the transparent part thereof; and a scale in terms of relative humidity positioned adjacent to the visible part of said passageway whereby relative humidity can be read directly therefrom according to the position of the said liquid meniscus in relation to the markings thereon.

1,984,342

PURIFICATION OF SODIUM CARBONATE

Henry D. Hellmers, Westend, Calif., assignor to West End Chemical Company, Oakland, Calif., a corporation of California

Application May 17, 1933, Serial No. 671,523
4 Claims. (Cl. 23—63)



1. The process of treating dry impure sodium carbonate to remove carbonaceous impurities, comprising heating the impure carbonate in dry finely granular form and passing gaseous nitrogen oxide into intimate contact with the heated carbonate, whereby said carbonaceous impurities are oxidized to gaseous form.

1,984,343

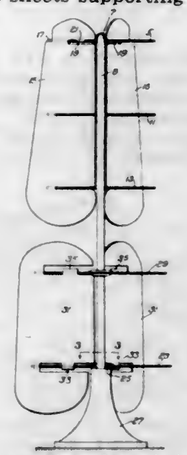
ROTARY DISPLAY STAND

John E. Hines, Saugus, Mass., assignor to Forbes Lithograph Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application April 6, 1932, Serial No. 603,537
3 Claims. (Cl. 211—1.6)

1. A rotary display stand constructed of sheet material comprising a plurality of discs, one having a bearing for supporting it on a spindle and

one or more others having openings to pass the spindle and substantially radially disposed sail-forming sheets common to the set of discs, the discs and sheets being mutually let into one another and the sheets supporting said other discs



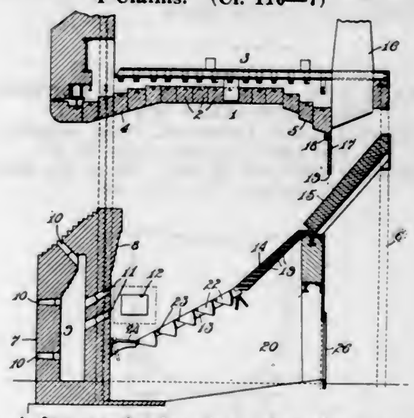
from the said one disc, there being also a tongue and slot connection between each sheet and a disc, the tongue of which extends in a generally up and down direction so that a load on the discs tends to hold said section engaged.

1,984,344

REFUSE BURNING FURNACE

Maurice A. Hofft, Indianapolis, Ind., and Walter M. Squires, Cincinnati, Ohio, assignors to The M. A. Hofft Company, Indianapolis, Ind., a corporation of Indiana

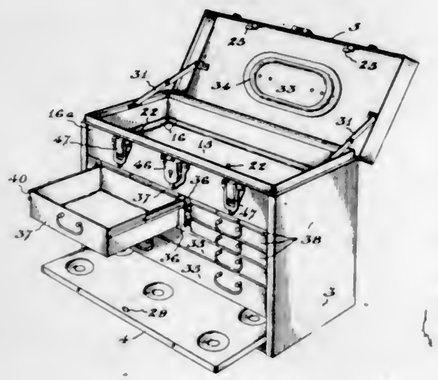
Application December 19, 1931, Serial No. 582,026
4 Claims. (Cl. 110—7)



1. A furnace for burning refuse fuel comprising a grate formed of two sections inclined downwardly from front to rear and slidingly supporting the fuel body from beneath, the first section having a greater inclination than the second section and the angle of inclination not exceeding fifty degrees, and a hearth upon which the fuel is received and slidingly supported from beneath, extending upwardly from the first grate section and at a greater inclination than the first section with the angle of inclination not exceeding sixty degrees, the angle of inclination of said grate sections and hearth being such as to cause an unobstructed continuous forward

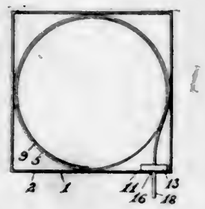
slipping of the entire fuel mass and the space above said grate section being free and unobstructed to permit a continuous unobstructed movement of the fuel mass.

1,984,345
MECHANIC'S KIT
Howard L. Kennedy, Van Wert, Ohio, assignor to Kennedy Manufacturing Company, Van Wert, Ohio, a corporation of Indiana
Application May 31, 1930, Serial No. 458,034
7 Claims. (Cl. 190—4)



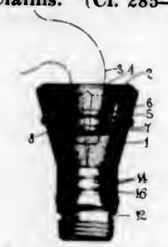
1. In a metal kit, end walls therefor, each comprising a pair of spaced sheet metal panels having flanged sides, the flanges extending toward each other with the flanges of one of said panels abutting against the other of said panels, a portion of one of the flanges of said last mentioned panel being bent parallel with the panel and secured in overlapping relationship with the other of said panels.

1,984,346
MEANS FOR PACKAGING AND FORMING WEATHER-STRIP MATERIAL
Benjamin J. Long, Lakewood, Ohio, assignor to B. Joel Long, Niagara Falls, N. Y.
Application February 28, 1933, Serial No. 659,018
2 Claims. (Cl. 153—10)



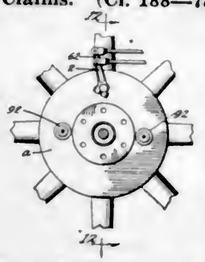
1. In a means for packaging and forming weather strip, the combination of a box adapted to hold a roll of weather-strip material, the box having upright sides, a side of the box having a recess, a cover for the box, the cover having an opening adapted to register with said recess, a die-plate, the die-plate having flanges adapted to engage said box and cover, and the free end of said roll of weather-strip material passing through said die-plate and being adapted to be drawn therethrough and through said recess of the box and opening of the cover.

1,984,347
FAUCET CONNECTION
J. Leroy Sutton, Buffalo, and Joseph Van Walshauser, Kenmore, N. Y., assignors to Sev, Inc., Buffalo, N. Y., a corporation of New York
Application November 3, 1933, Serial No. 696,570
2 Claims. (Cl. 285—81)



1. A detachable coupling for connecting a hose to a faucet, and the like, comprising a unitary elastic body having an outer shell adapted at one end for connection to a hose, the opposite end of the shell having an inwardly extending and self-sustaining end wall of greater thickness, said end wall having a faucet receiving opening therethrough, a faucet gripping sleeve extending inwardly from and integrally carried by the end wall, and a faucet gripping rib on the inner wall of the sleeve and at a point spaced inwardly from said end wall whereby the rib may expand with the inner end of the sleeve over a faucet independently of the shell of the elastic body and independently of said end wall, said sleeve being spaced from said shell whereby the back pressure of the liquid passing through the coupling body will serve to press the rib against the inserted faucet.

1,984,348
BRAKE
Harry D. Van Brunt, Los Angeles, Calif.
Application May 12, 1930, Serial No. 451,604
8 Claims. (Cl. 188—78)



1. In a brake, a brake drum, a carrier plate, primary levers rotatably secured to said carrier plate, a pair of brake shoes carried by the primary levers and whereby when said primary levers are rotated in one direction, said brake shoes are moved into drum engagement, a pair of diametrically opposed secondary brake shoes, secondary levers swingingly secured to the carrier plate, and means whereby movement of the primary levers causes movement of the secondary levers to move all of said brake shoes into drum engagement.

1,984,349
FISHING ROD TIP END
Louis Gurrieri and Salvatore Gurrieri, Canarsie, N. Y.
Application July 7, 1933, Serial No. 679,300
1 Claim. (Cl. 43—24)

A fishing rod tip comprising an eye, a securing ring therefor, a ferrule to which said ring

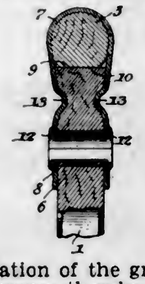
is obliquely affixed, an innermost cap member affixed to the fishing rod end, an intermediate member telescoping said cap member, the said



intermediate member serving as a bearing for the above-mentioned ferrule, and means for the angular adjustment of the ferrule with the fishing rod.

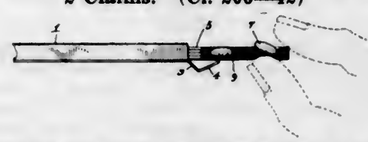
1,984,350
PERMANENT FASTENING FOR T SHAPE HANDLES
Charles W. Halsey and Fred W. Kunath, Evansville, Ind.
Application July 30, 1932, Serial No. 626,980
7 Claims. (Cl. 287—54)

5. In a permanent fastening for T shape handles, the combination with a tongue and a grip which extends crosswise thereof in abutting relationship thereto, of a strap embracing the grip and connected to the tongue, said tongue and strap having holes which are out of register when the grip, strap, and tongue are originally assembled preparatory to being permanently fastened together, said strap being compressibly applied to the grip by a cross fastening forcibly introduced through the non-registering holes in the strap and tongue after the original assembly of the grip, strap, and tongue, thereby bringing said holes into registration and drawing and holding the grip in compressed condition in abutting contact with the tongue, whereby sufficient tension is set up in the strap



to effect deformation of the grip where it abuts the end of the tongue, thereby preventing movement of the grip in relation to the tongue.

1,984,351
CONTAINER
Linn Dale Johnson, Kansas City, Mo., assignor to The Knox Company, Kansas City, Mo., a corporation of Missouri
Application February 25, 1932, Serial No. 595,011
2 Claims. (Cl. 206—42)



1. As a new article of manufacture, a medicinal container, comprising a covering, a tray in said covering, comprising a plurality of superimposed slabs forming an integral body, said slabs provided with pockets formed therethrough, finger-nail receiving excavations only in the upper slab of said tray and at opposite ends of said upper slab, and a lining over the bottom of said tray and closing the inner ends of said pockets.

DESIGNS

DECEMBER 11, 1934

94,013
DESIGN FOR A MEMORIAL PLAQUE OR SIMILAR ARTICLE
David Bank, Minneapolis, Minn.
Application July 30, 1934, Serial No. 52,733
Term of patent 14 years



The ornamental design for a memorial plaque, or similar article, as shown and described.

94,014
DESIGN FOR A MEMORIAL PLAQUE OR SIMILAR ARTICLE
David Bank, Minneapolis, Minn.
Application July 30, 1934, Serial No. 52,734
Term of patent 14 years



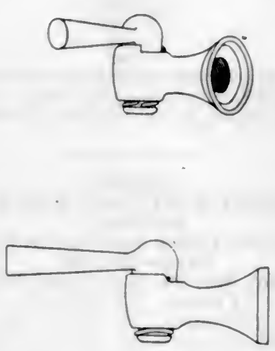
The ornamental design for a memorial plaque, or similar article, as shown and described.

94,015
DESIGN FOR A COMBINED SWITCH KNOB AND ESCUTCHEON PLATE
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application July 5, 1934, Serial No. 52,463
Term of patent 7 years



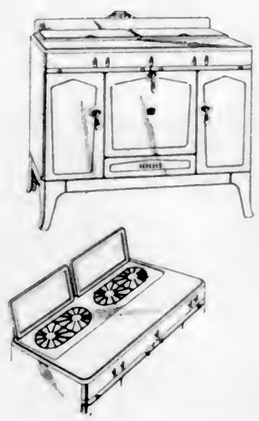
The ornamental design for a combined switch knob and escutcheon plate, as shown.

94,016
DESIGN FOR A FAUCET
William D. Bost, Chicago, Ill., assignor to Orange-Crush Company, Chicago, Ill., a corporation of Illinois
Application August 18, 1934, Serial No. 52,984
Term of patent 3½ years



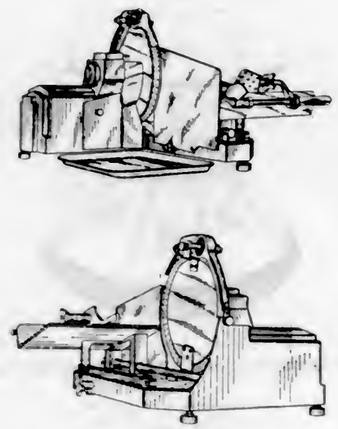
The ornamental design for a faucet as shown and described.

94,017
DESIGN FOR A GAS RANGE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application August 27, 1934, Serial No. 53,087
Term of patent 7 years



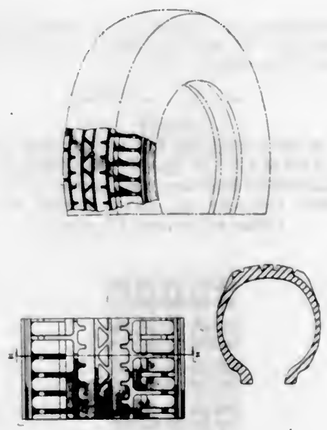
The ornamental design for a gas range substantially as shown.

94,018
DESIGN FOR A SLICING MACHINE
Carroll E. Breaden, Dayton, Ohio
Application September 21, 1934, Serial No. 53,344
Term of patent 14 years



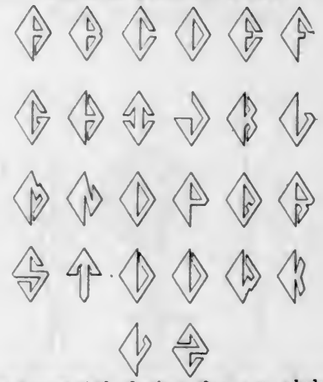
The ornamental design for a slicing machine as shown.

94,019
DESIGN FOR A TIRE
Albert E. Caldwell, Newark, N. J., assignor to Atlas Supply Company, Newark, N. J.
Application August 11, 1934, Serial No. 52,929
Term of patent 7 years



The ornamental design for a tire, as shown.

94,020
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Michael Chernow, Brooklyn, N. Y.
Application February 27, 1934, Serial No. 50,890
Term of patent 7 years



The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

94,021
DESIGN FOR A COMBINED JAR AND CLOSURE
Michael S. Desser, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 5, 1934, Serial No. 53,494
Term of patent 14 years



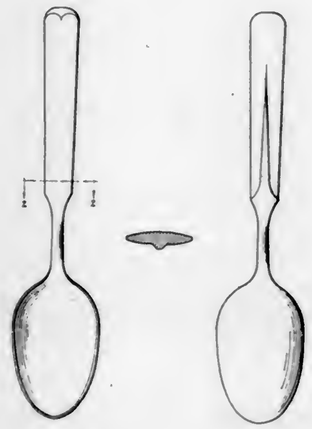
The ornamental design for a combined jar and closure substantially as shown.

94,022
DESIGN FOR A CANISTER
Everett E. Engstrom, White Plains, N. Y., assignor to Metal Package Corporation, New York, N. Y., a corporation of Delaware
Application November 2, 1934, Serial No. 53,853
Term of patent 7 years



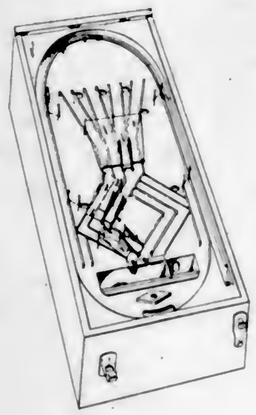
The ornamental design for a canister substantially as shown and described.

94,023
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George A. Feinauer, Providence, R. I., assignor to Gorham Mfg. Co., Providence, R. I.
Application October 11, 1934, Serial No. 53,578
Term of patent 14 years



The ornamental design for a spoon or similar article as shown and described.

94,024
DESIGN FOR A GAME APPARATUS
Louis W. Gensburg, Chicago, Ill.
Application April 27, 1934, Serial No. 51,539
Term of patent 3½ years



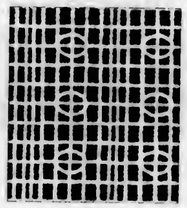
The ornamental design for a game apparatus as shown.

94,025
DESIGN FOR A DISPLAY LAMP
Howard J. Gilman and Thomas E. Mueller, Oak Park, Ill., assignors of one-third to Harry A. Norris, Philadelphia, Pa.
Application September 8, 1934, Serial No. 53,241
Term of patent 7 years



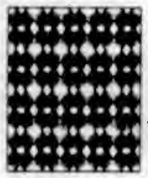
The ornamental design for a display lamp, as shown.

94,026
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Raymond Harvey, New York, N. Y.
Application September 12, 1934, Serial No. 53,264
Term of patent 14 years



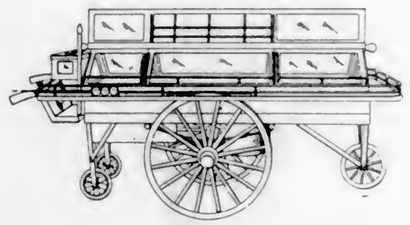
The ornamental design for a textile fabric or similar article of manufacture, substantially as shown and described.

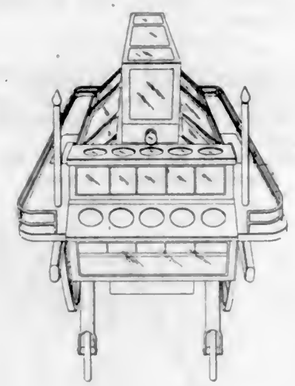
94,027
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Raymond Harvey, New York, N. Y.
Application October 17, 1934, Serial No. 53,660
Term of patent 14 years

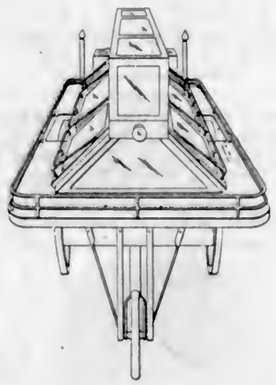


The ornamental design for a textile fabric or similar article of manufacture, substantially as shown and described.

94,028
DESIGN FOR A CONFECTION WAGON
Arthur Handy Henry, Philadelphia, Pa.
Application September 6, 1934, Serial No. 53,208
Term of patent 14 years







The ornamental design for a confection wagon, as shown.

94,029
DESIGN FOR AN AIR CIRCULATOR
Herman C. Hueglin, Chicago, Ill., assignor to Federal Merchandise Company, Chicago, Ill., a corporation of Illinois
Application October 10, 1934, Serial No. 53,538
Term of patent 7 years



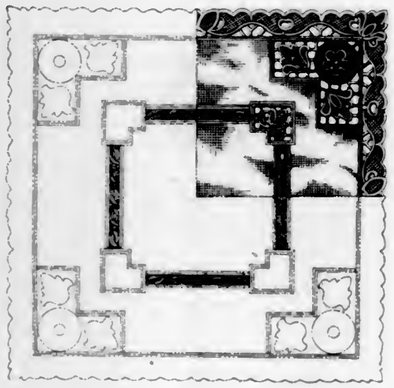
The ornamental design for an air circulator, as shown.

94,030
DESIGN FOR A NAIL FILE
Willard L. Hults, Millburn, N. J.
Application October 4, 1934, Serial No. 53,484
Term of patent 3½ years



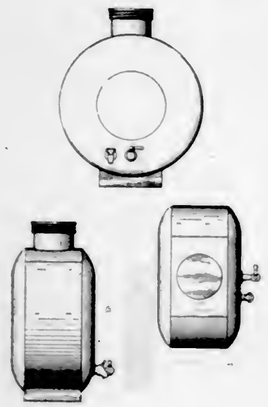
The ornamental design for a nail file, as shown.

94,031
DESIGN FOR A DOILY
Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.
Application October 20, 1934, Serial No. 53,704
Term of patent 3½ years



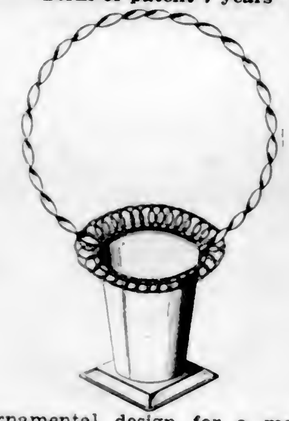
The ornamental design for a doily as shown and described.

94,032
DESIGN FOR A BEVERAGE DISPENSER
Sol Jacobs, Elmwood Park, Ill., assignor to California Prune & Apricot Growers Association, San Jose, Calif., a corporation of California
Application July 29, 1933, Serial No. 48,881
Term of patent 14 years



The ornamental design for a beverage dispenser, as shown.

94,033
DESIGN FOR A METAL FLOWER BASKET
Roderick M. Koch, Evansville, Ind.
Application September 6, 1934, Serial No. 53,217
Term of patent 7 years



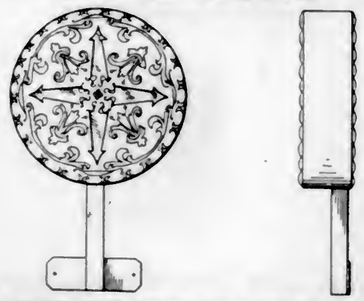
The ornamental design for a metal flower basket, as shown.

94,034
DESIGN FOR A SANDAL
Harry Koomrulan, New York, N. Y., assignor to Tupper Slipper Corporation, Brooklyn, N. Y., a corporation of New York
Application April 19, 1934, Serial No. 51,454
Term of patent 3½ years



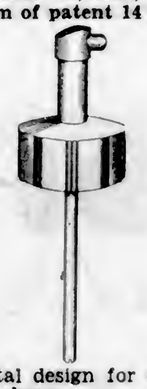
The ornamental design for a sandal substantially as shown.

94,035
DESIGN FOR A VEHICLE SIGNAL
Vincent La Bella, Brooklyn, N. Y.
Application September 8, 1934, Serial No. 53,237
Term of patent 3½ years



The ornamental design for a vehicle signal as shown.

94,036
DESIGN FOR AN ATOMIZING CAP
Kurt Loesch, East Rockaway, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1934, Serial No. 53,685
Term of patent 14 years



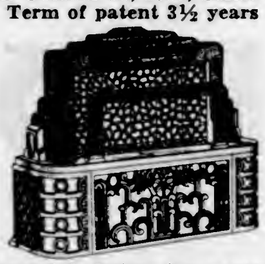
The ornamental design for an atomizing cap substantially as shown.

94,037
DESIGN FOR A TUB
John J. McCabe, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 19, 1932, Serial No. 46,078
Term of patent 14 years



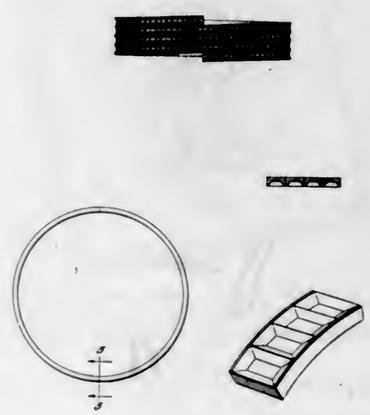
The ornamental design for a tub as shown.

94,038
DESIGN FOR A GAS HEATER
George H. McFadden, Steubenville, Ohio, assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio, a corporation of Ohio
Application October 23, 1934, Serial No. 53,731
Term of patent 3½ years



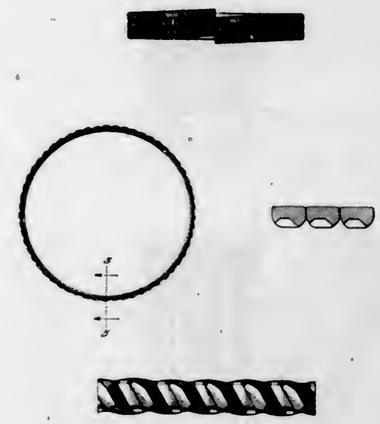
The ornamental design for a gas heater, as shown.

94,039
DESIGN FOR A BRACELET OR SIMILAR ARTICLE OF JEWELRY
John M. Miller and George F. Fenton, Providence, R. I., assignors to The Progressive Ring Company, Providence, R. I., a corporation of Rhode Island
Application December 4, 1933, Serial No. 49,939
Term of patent 7 years



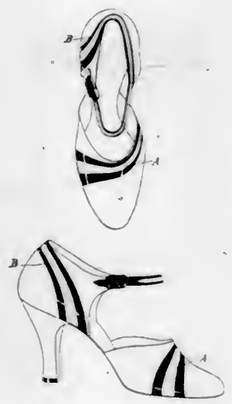
The ornamental design for a bracelet or similar article of jewelry, as shown and described.

94,040
DESIGN FOR A BRACELET OR SIMILAR ARTICLE OF JEWELRY
John M. Miller and George F. Fenton, Providence, R. I., assignors to The Progressive Ring Company, Providence, R. I., a corporation of Rhode Island
Application July 24, 1934, Serial No. 52,683
Term of patent 7 years



The ornamental design for a bracelet or similar article of jewelry, as shown and described.

94,041
DESIGN FOR A SHOE
Charles Morali, Forest Hills, N. Y., assignor to Delman, Inc., New York, N. Y.
Application September 25, 1934, Serial No. 53,392
Term of patent 3½ years



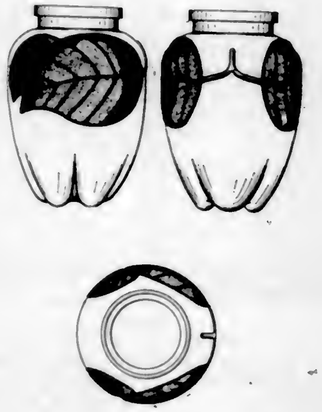
The ornamental design for a shoe as shown and described.

94,042
DESIGN FOR A PORTABLE REFRESHMENT BOOTH
Clifton E. Mowrer, Bethlehem, Pa.
Application October 19, 1934, Serial No. 53,697
Term of patent 7 years



The ornamental design for a portable refreshment booth as shown.

94,043
DESIGN FOR A JAR
Olbert C. Noble, Washington, Pa., assignor to Tygart Valley Glass Company, Washington, Pa., a corporation of West Virginia
Application October 16, 1934, Serial No. 53,631
Term of patent 7 years



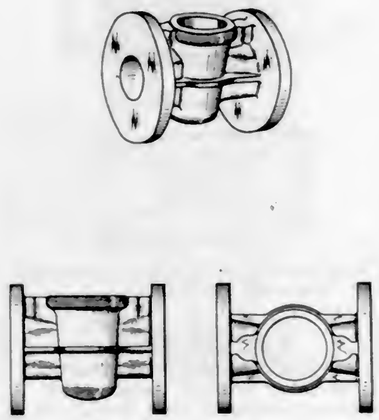
The ornamental design for a jar, as shown.

94,044
DESIGN FOR A PLUG VALVE BODY
Sven J. Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application March 20, 1934, Serial No. 51,116
Term of patent 14 years



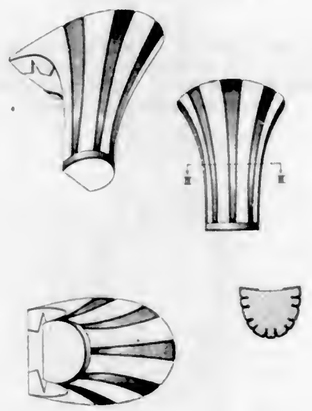
The ornamental design for a plug valve body, substantially as shown.

94,045
DESIGN FOR A PLUG VALVE BODY
Sven J. Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application March 20, 1934, Serial No. 51,119
Term of patent 14 years



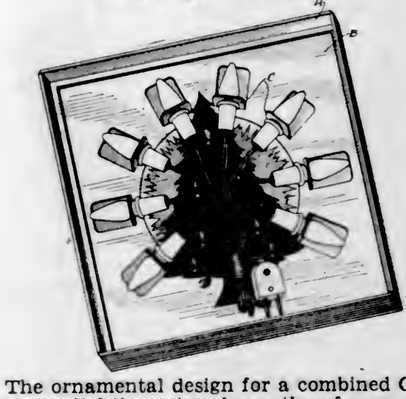
The ornamental design for a plug valve body, substantially as shown.

94,046
DESIGN FOR A SHOE HEEL
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 16, 1934, Serial No. 53,632
Term of patent 14 years



The ornamental design for a shoe heel, as shown.

94,047
DESIGN FOR A COMBINED CHRISTMAS TREE LIGHTING SET AND CASE THEREFOR OR SIMILAR ARTICLE
Leopold Pollock, New York, N. Y.
Application September 6, 1934, Serial No. 53,216
Term of patent 3½ years



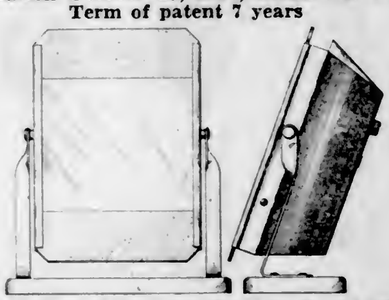
The ornamental design for a combined Christmas tree lighting set and case therefor, or similar article, substantially as shown and described.

94,048
DESIGN FOR AN AUTOMOBILE GEAR SHIFT LEVER KNOB
Charles C. Puckett, Harlingen, Tex.
Application September 13, 1934, Serial No. 53,280
Term of patent 7 years



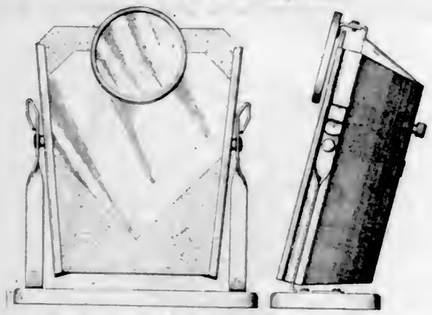
The ornamental design for an automobile gear shift lever knob, as shown.

94,049
DESIGN FOR A MAKE-UP MIRROR
Oliver C. Ritz-Woller, Chicago, Ill.
Application October 19, 1934, Serial No. 53,694
Term of patent 7 years



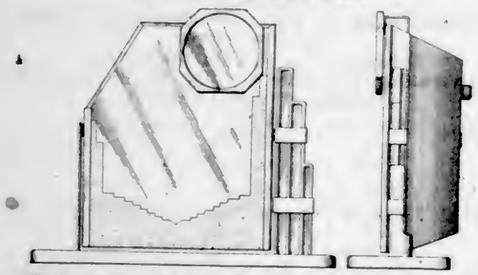
The ornamental design for a make-up mirror substantially as shown.

94,050
DESIGN FOR A MAKE-UP MIRROR
Oliver C. Ritz-Woller, Chicago, Ill.
Application October 19, 1934, Serial No. 53,695
Term of patent 7 years



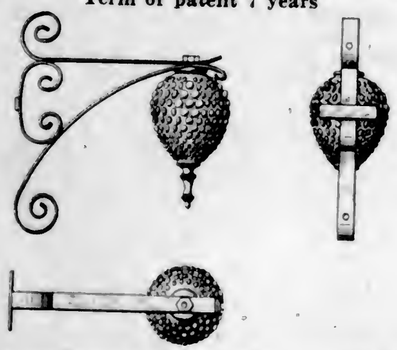
The ornamental design for a make-up mirror substantially as shown.

94,051
DESIGN FOR A MAKE-UP MIRROR
Oliver C. Ritz-Woller, Chicago, Ill.
Application October 19, 1934, Serial No. 53,696
Term of patent 7 years



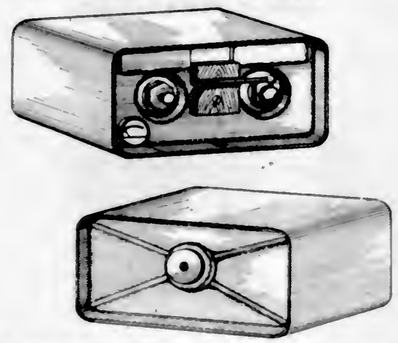
The ornamental design for a make-up mirror substantially as shown.

94,052
DESIGN FOR A COMBINED LAMP BRACKET AND PENDANT
Emory W. Sadler, Philadelphia, Daniel N. Pierce, Glenside, and Martin P. Mortensen, Philadelphia, Pa., assignors to Fox Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 24, 1934, Serial No. 50,845
Term of patent 7 years



The ornamental design for a combined lamp bracket and pendant as shown.

94,053
DESIGN FOR A BEVERAGE CONTAINER
John M. Schilling and Willard G. Schilling, Lima, Ohio
Application February 12, 1934, Serial No. 50,701
Term of patent 3½ years



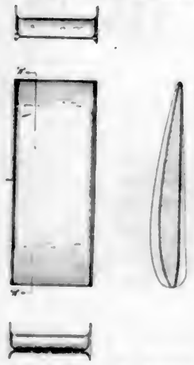
The ornamental design for a beverage container as shown and described.

94,054
DESIGN FOR A BRACELET
Emanuel Schissel, Bronx, N. Y.
Application October 2, 1934, Serial No. 53,454
Term of patent 7 years



The ornamental design for a bracelet substantially as shown and described.

94,055
DESIGN FOR AN AIRPLANE WING
James Henry Schley, Jr., Alabama City, Ala.
Application September 18, 1934, Serial No. 53,316
Term of patent 14 years



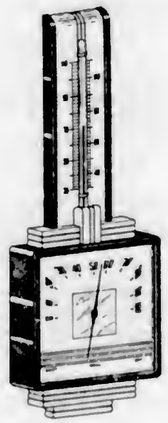
The ornamental design for airplane wing, as shown.

94,056
DESIGN FOR A GAME APPARATUS
Goldwin Smith, Tampa, Fla.
Application August 9, 1934, Serial No. 52,879
Term of patent 7 years



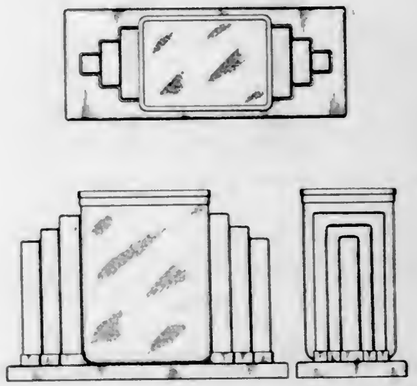
The ornamental design for a game apparatus, as shown.

94,057
DESIGN FOR AN INDICATOR
Albert L. Stemwedel, Chicago, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application October 13, 1934, Serial No. 53,607
Term of patent 3½ years



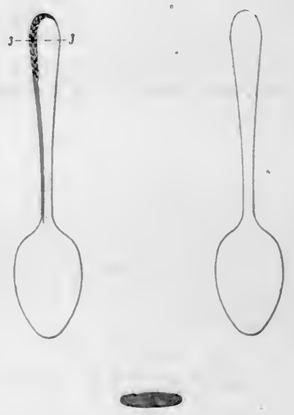
The ornamental design for an indicator as shown.

94,058
DESIGN FOR AN AQUARIUM
Arthur P. Swanson, Maine Township, Cook County, Ill.
Application October 5, 1934, Serial No. 53,490
Term of patent 3½ years



The ornamental design for an aquarium as shown.

94,059
DESIGN FOR A SPOON OR SIMILAR ARTICLE
John Vassos, New Canaan, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Application September 8, 1934, Serial No. 53,233
Term of patent 14 years



The ornamental design for a spoon or similar article as shown.

94,060
DESIGN FOR A SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Application October 15, 1934, Serial No. 53,620
Term of patent 14 years



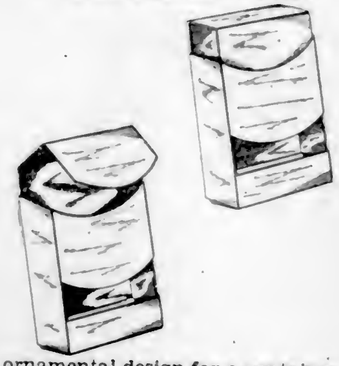
The ornamental design for a spoon or similar article as shown.

94,061
DESIGN FOR A FLOWERPOT STAND
Helen Wiesenthal, Elizabeth, N. J.
Application October 18, 1934, Serial No. 53,672
Term of patent 7 years



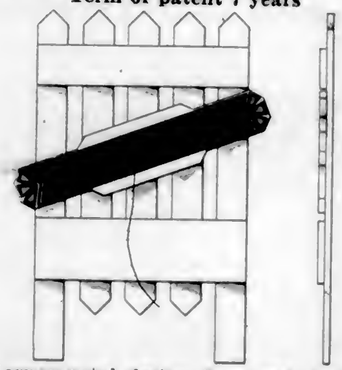
The ornamental design for a flowerpot stand, as shown.

94,062
DESIGN FOR A CONTAINER FOR CONFECTIONS
John J. Wilsdon, Shelby, Ohio, assignor to The Shelby Gum Company, Shelby, Ohio, a corporation of Ohio
Application December 28, 1933, Serial No. 50,243
Term of patent 14 years



The ornamental design for a container for confectfons, substantially as shown.

94,063
DESIGN FOR A REAL ESTATE SIGN
Charles A. Woolsey, Minneapolis, Minn.
Application September 14, 1934, Serial No. 53,284
Term of patent 7 years



The ornamental design for a real estate sign substantially as shown.

Patents Nos. 1,984,352 to 1,985,222

THE OFFICIAL GAZETTE OF THE United States Patent Office

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December 18, 1934

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Labels	75—No.	44,755 to No.	44,829, inclusive.
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Reissues	8—No.	19,397 to No.	19,404, inclusive.
Patents	871—No.	1,984,352 to No.	1,985,222, inclusive.
Designs	43—No.	94,064 to No.	94,106, inclusive.
Total	1,345		

Disclaimers

1,428,702.—*Hiram D. Currier*, Chicago, Ill. TELEPHONE SYSTEM. Patent dated September 12, 1922. Disclaimer filed November 20, 1934, by the assignee, *Kellogg Switchboard & Supply Company*.

Hereby enters this disclaimer to that part of the claim in said specification as follows:

Petitioner disclaims claims numbered 1, 5, 6, 7, 9, 15, 16, 17, 20, 21, 22, 24, 25, 26, 27, 28, 30, 32, 33, 34, 77, 81, 84, 92, 93, 94, 95, 96, and 97.

1,792,275.—*Glenn W. Carpenter*, Schenectady, N. Y. CIRCUITS FOR ELECTRON-DISCHARGE DEVICES. Patent dated February 10, 1931. Disclaimer filed November 24, 1934, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"14. In a system for supplying operating voltages to an electron discharge device having a cathode, an anode and a grid, a source of periodically fluctuating voltage, a resistance connected to said source and individual connections from each of the electrodes of said device to said resistance, said connections being so made that the potential impressed from said resistance upon the grid is always negative with respect to that of the cathode and fluctuates in opposite phase to the voltage fluctuations impressed upon the anode."

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,857,192, J. J. Hauser, Fuel injector nozzle for internal-combustion engines, decided November 21, 1934, claim 1.

Pat. 1,871,653, M. W. Best, Stoker feeding mechanism, decided November 24, 1934, claim 3.

Pat. 1,899,261, L. W. Cooley and D. R. Ward, Hair drier, decided November 23, 1934, claims 1 and 13.

Transfers of Classes

(ORDER No. 3,291)

U. S. PATENT OFFICE, *Washington, Nov. 26, 1934.*

The following transfers are hereby directed, to take effect immediately:

Class 154, Laminated Fabric and Analogous Manufactures, subclasses 2.5–19, from Division 56 to Division 61.

Class 154, Laminated Fabric and Analogous Manufactures, subclass 45.5, from Division 56 to Division 52.

Class 303, Fluid-Pressure Brake and Analogous Systems, from Division 34 to Division 4.

R. SPENCER,
Acting Commissioner.

(ORDER No. 3,292)

U. S. PATENT OFFICE, *Washington, Nov. 26, 1934.*

The transfer of the following class is hereby authorized as of August 23, 1934:

Class 295, Railway Wheels and Axles, from Division 34 to Division 41.

R. SPENCER,
Acting Commissioner.

Renewal of Forfeited Cases

A petition for the renewal of a forfeited application need not be signed by the inventor or assignee, but may be signed by the attorney.

A power of attorney in the original application authorizing an attorney to transact all business in the Patent Office in connection with the application construed to be of sufficient scope to include the signing of a petition for renewal and the subsequent prosecution of the application. (*Ex parte Agee*, 101 O. G., 1609.)

Condition of Applications Under Examination at Close of Business December 1, 1934

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,541; Trade-Mark Division, 1,029. Oldest new case, July 5, 1934; oldest amended, July 5, 1934.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 4	Sept. 24	367
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Sept. 13	Sept. 14	504
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 4	Sept. 5	630
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	July 31	July 9	429
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Sept. 4	Sept. 4	471
4898 C	6. LEWERS, A. M., Carbon Chemistry	Aug. 17	Aug. 17	971
5725	7. JARBOE, C. G., Optics; Photography	Sept. 1	Sept. 1	742
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Sept. 13	Sept. 25	281
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 2	Oct. 2	386
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Sept. 4	Sept. 8	406
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 28	Aug. 7	576
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Aug. 4	Aug. 4	529
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 12	Sept. 12	356
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 24	Aug. 24	449
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 4	Sept. 4	739
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 2	Sept. 1	504
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 11	Aug. 10	718
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 26	Sept. 27	314
4006	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 4	Sept. 1	600
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking.	Sept. 14	Sept. 21	220
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 23	Aug. 29	631
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Aug. 14	Aug. 17	851
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 7	July 9	499
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 15	Sept. 13	542
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 25	Aug. 27	623
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Sept. 22	Sept. 26	278
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Sept. 1	Aug. 25	495
4628	28. BENSON, A. R., Internal-Combustion Engines	Aug. 18	Aug. 18	492
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	Sept. 1	Sept. 1	557
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 1	Sept. 1	590
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Aug. 3	Aug. 4	868
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Sept. 15	Sept. 14	336
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	Aug. 15	Aug. 3	719
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	July 5	July 5	666
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Aug. 27	Aug. 28	670
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Aug. 1	Aug. 1	488
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Aug. 2	Aug. 1	631
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	Aug. 23	Aug. 28	434
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 4	Sept. 4	572
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 25	Aug. 25	834
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 6	Sept. 6	513
5882	42. CUTTINO, H. O., Electric Signaling	Aug. 4	Aug. 4	727
4886 B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	Aug. 3	Aug. 3	701
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Aug. 1	Aug. 1	812
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Sept. 18	Sept. 18	397
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Sept. 17	Sept. 17	351
7900	47. BARKER, H., Clutches; Brakes	Sept. 6	Sept. 7	688
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 7	Aug. 9	514
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 7	Aug. 13	626
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Aug. 1	Aug. 1	807
5628	51. BACKUS, C. D., Radiant Energy	Sept. 15	Sept. 15	619
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	Sept. 5	Sept. 8	602
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 21	Sept. 20	455
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Aug. 18	Aug. 9	640
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Oct. 4	Oct. 3	318
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	Aug. 6	July 31	773
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Sept. 20	Oct. 1	266
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 8	Sept. 8	332
4709	59. RICHARD, V. I., Chemistry; Fertilizers	July 27	July 28	648
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Aug. 16	Aug. 16	518
6724	61. PARKS, G. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus	Aug. 3	July 26	294
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Aug. 29	Aug. 31	567
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Aug. 14	Aug. 15	527
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	Sept. 1	Sept. 1	866
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 18	Aug. 18	497
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND. {Trade-Marks	Nov. 1	Nov. 17	789
	{Labels and Prints	Nov. 2	Nov. 16	240
2605	Designs, H. H. KALUPY (Act.)	Oct. 25	Nov. 16	515

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE OSTLING

No. 3,236. Decided June 12, 1934

[71 F.(2d) 190]

PATENTABILITY—PROCESS OF MANUFACTURING FOOTWEAR FROM RUBBER AND FABRIC.

Claims for a process of manufacturing footwear from rubber and fabric *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Walter L. Pipes and *Mr. George F. Gourley* for Ostling.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 2, 3, 4, 7, 10, 11, and 13 to 17, inclusive, in appellant's application for a patent for an alleged invention relating to a process of making rubber footwear.

Claims 2 and 16 are illustrative. They read:

2. A process of manufacturing footwear from rubber and fabric comprising, conducting a plurality of lasts in a predetermined path, simultaneously cutting sheets of rubber and of fabric into a multiplicity of variant pieces of predetermined shape and size, superposing some of said pieces together and forming sub-assemblies thereof, applying such cut pieces and sub-assemblies to said lasts in sequence, said cutting and applying operations being performed concurrently at a plurality of stations, whereby the forming of the constituent pieces of rubber and fabric and their building into substantially complete footwear may be carried on simultaneously and with minimized volume of pieces of rubber and fabric in process.

16. The process of making rubber footwear which comprises moving a series of lasts in a predetermined path past a series of assembly stations, at or adjacent said stations cutting shoe parts including uppers and concurrently assembling those parts on the lasts, whereby the parts as cut do not become distorted before assembling.

The references are: McCrohan et al. (Reissue), 16,384, July 13, 1926; Zonino, 1,825,379, September 29, 1931; Glidden et al. (British), 314,249, June 27, 1929.

Appellant's process is described in the quoted claims. The essence of it, as stated by counsel for appellant, consists—

• • • in a change in the method of supplying the parts to the operators to assemble on the conveyor. Instead of supplying parts in books, racks, etc., which requires a large amount of labor and the use of a large number of trucks and space necessary for moving them, *applicant provides, adjacent each operator who assembles a part, a machine for successively dicing out the individual parts directly as they are used by that operator.* (Italics ours.)

The reissue patent to McCrohan et al. relates to calendering, embossing, and cutting machines, adapted to form articles of sheet rubber, such as overshoes.

The patent to Zonino relates to a method of assembling rubber footwear elements "which may be superposed while in a substantially flat condition." The patentee's application and appellant's application were filed on the same date, and both the patent and the involved application are owned by a common assignee. Appellant referred in his specification to the Zonino application, and, with reference thereto, said:

• • • The specific feature of assembling footwear elements on an extended or moving sheet of rubber forms no part of my invention and is disclosed in the co-pending application of Frederick Zonino, Serial No. ———, filed ——— ———, ———.

The British patent to Glidden et al, relates to a method and an apparatus for manufacturing footwear, particularly rubber shoes. As stated in the specification—

• • • a flexible endless conveyor is provided to which a plurality of supports for lasts are connected, and mechanism is provided to impart to said conveyor a continuous movement, thereby carrying the lasts successively to a plurality of operators. The lining of the shoe is first placed upon a last and the different parts positioned upon the lining and the last and conveyed from one operator to another, successive operators attaching to the lining on the last the different parts which are embodied in the shoe which is being manufactured, all as hereinafter fully set forth.

It will be observed from what has been said that appellant's process may be differentiated from the prior art in that appellant provides

adjacent each operator who assembles a part, a machine for successively dicing out the individual parts directly as they are used by that operator.

It is claimed by counsel for appellant, and it is not denied by the Patent Office tribunals, that by so cutting and assembling the individual parts, shrinkage, distortion, and loss of tackiness of the parts is avoided, and that appellant's process saves time, labor, and floor space, and has many other advantages not present in the prior art.

The Patent Office tribunals concurred in holding that, in view of the references, it would be obvious to one skilled in the art, knowing of the disadvantages resulting in cutting a great quantity of parts in advance of the time of their assembly, to arrange the assembly stations and the machinery necessary for cutting out such parts so that the operators could assemble them immediately after they were cut and ready for use. Some of the appealed claims were rejected for additional reasons.

Although counsel for appellant has insisted that the advantages obtained by appellant's new process are sufficient to warrant the granting of a patent, we are of opinion that the conclusion reached by the Patent Office tribunals is so obviously correct, that further discussion of the issues is unnecessary.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ERNST AND NENNINGER

No. 3,314. Decided June 12, 1934

[71 F.(2d) 169]

PATENTABILITY—METHOD OF OPERATING A HYDRAULIC MOTOR—FUNCTION OF THE MACHINE.

Claims for a method of operating a hydraulic motor *Held* properly refused on the ground that they involved nothing more than the function of the machine shown in the application.

APPEAL from the Patent Office. Affirmed.

Mr. Elmer R. Helferich and *Messrs. Nathan, Boiceman & Helferich* for Ernst and Nenninger.

Mr. T. A. Hostetler and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner, rejecting claims 1, 5, 7, 16, 17, 22, and 24 of appellants' application filed November 17, 1929. All of the claims on appeal are method claims. Fourteen claims of the application have been allowed, all of said allowed claims being apparatus claims.

Of the claims on appeal, claims 1 and 22 are illustrative and read as follows:

1. A method of operating at an uniform rate an hydraulic motor subject to variable loads which consists in causing the liquid to discharge therefrom at a gravimetrically constant rate.

22. The method of propelling, hydraulically, at a substantially uniform rate, a member subjected to a variable mechanical force, which consists in (*a*) connecting said member to a piston operable in an oil-filled cylinder, (*b*) supplying oil under pressure into said cylinder behind said piston, (*c*) withdrawing oil from said cylinder at the front of said piston at a volumetrically uniform rate; and (*d*) varying the oil pressure in the intake end of said cylinder inversely to variations in oil pressure in the exhaust end thereof.

The alleged invention of appellants relates to a hydraulic transmission for machine tools. It is described in general terms, sufficiently for the purposes of this opinion, in the Examiner's statement as follows:

In rotary cutter machine tools the resistance offered by the work to the cutter may vary as a result of the non-homogeneous nature of the work piece or depending upon whether the cutter rotates with the work piece or against the same * * *. Under any operating condition the pressure differential between the exhaust and intake ends of the motor is disturbed and applicant has accordingly provided mechanism for maintaining a certain predetermined differential in order to maintain a uniform rate of reciprocation free from jump or jerk.

Appellants in their application disclose two different forms of apparatus for carrying out the object of the invention; it is not shown in the disclosure that there is any means of carrying out the process claimed other than through the use of said apparatus above referred to, and apparatus claims have been allowed to appellants covering both forms of apparatus disclosed.

In rejecting the appealed claims the Examiner stated as follows:

Claims 1, 5, 7, 16, 17, 22 and 24 are machine method claims and stand rejected as being improper method claims. It is submitted that these claims depend upon definite machine structure arranged in a predetermined manner and which cooperates with each other in a definite and constant relationship. * * * It is not at all conceivable how the latter result [having the back pressure determine the amount of forward pressure] can be accomplished by other than definitely arranged and associated mechanism. The claim therefore sets forth no more than the necessary and obvious function of the machine. Since as outlined above each of the steps set forth in the claim is based and is entirely dependent upon certain machine parts arranged in a predetermined relation to one another and functioning in a definite relationship, the claim is considered no more than a statement of the manner in which the assembled mechanism operates. * * *

It should be observed that the claim referred to in said quotation was claim 7, taken as an example to show the objection of the Examiner to all of the method claims.

The Board of Appeals, with respect to the method claims, stated in part, as follows:

* * * These method claims have been rejected by the Examiner on the ground of being improper method claims. Specifically, that they merely represent or depend upon the operation of a definite machine structure arranged in a predetermined manner, the parts of which cooperate with each other in a definite and constant relationship. Conversely, it is not apparent how the alleged method could be performed independently of this specific apparatus or one having exactly equivalent corresponding elements.

As may be noted from the above illustrated claims the claims differ in extent of statement of the alleged method steps. Claim 1 includes only the step of causing the motive liquid to discharge from the motor at a gravimetrically constant rate. Claim 22 sets forth quite specifically the particular operation of functions of the elements of the apparatus. It is our opinion that whether the claims are set forth in considerable detail as claim 22 or in terms of a mere sub-step as in claim 1 no method is presented here which is patentably separable from this device. This is an apparatus operating in a purely mechanical way, each element whether rigid or liquid performs its simple and purely mechanical function. Further, the alleged method does not in any sense operate upon material to be transformed into a different state or thing such as required by the accepted definition of a true method whether mechanical or chemical; *Cochrane* v. *Deener*, 94 U. S. 780. In this relation the material operated upon as required by the definition cannot be taken as the work in the machine since that does not come into the terms of the appealed claims and it would obviously not be relevant to the steps set forth in these claims since they are concerned purely with merely propelling some movable part at the uniform rate of speed. Obviously also the oil, or motive liquid in the machine is not material being operated upon in the sense required by the definition. We see in the terms of the method claims no more than a statement of action or functions of this apparatus so closely related thereto as to be not properly separable as a distinct patentable method. The method set forth is no more than an obvious function of this machine. We have carefully considered applicants' brief in this respect but are unable to agree that these claims fall within the terms of the citations favorable to mechanical methods. * * *

Insofar as the language above quoted implies that a valid method claim requires that it relate to the treatment of some material, we are not in accord therewith. While the decision in the case of *Cochrane* v. *Deener*, 94 U. S. 780, 11 O. G. 687, may seem to support such a holding, later decisions of the Supreme Court are not so limited. Such a decision is the case of *Dolbear* v. *American Bell Telephone Company*, 126 U. S. 1, 43 O. G. 377, in which the following method claim was held valid:

The method of, and apparatus for, transmitting vocal or other sounds telegraphically, as herein described, by causing electrical undulations, similar in form to the vibrations of the air accompanying the said vocal or other sounds, substantially as set forth.

In its opinion in said case the Court stated:

In this art—or, what is the same thing under the patent law, this process, this way of transmitting speech—electricity, one of the forces of nature, is employed; but electricity, left to itself, will not do what is wanted. The art consists in so controlling the force as to make it accomplish the purpose. * * *

In the case of *Tilghman* v. *Proctor*, 102 U. S. 707, 19 O. G. 859, the Court said:

* * * But where the result or effect is produced by chemical action, *by the operation or application of some element or power of nature*, or of one substance to another, such modes, methods, or operations are called processes. * * * [Italics ours.]

That a method of operating electric motors may be patentable as such was held in the cases of *Century Electric Co.* v. *Westinghouse Electric & Mfg. Co.*, 191 Fed. 350, and *Westinghouse Electric & Mfg. Co.* v. *Stanley Instrument Co.*, 133 Fed. 167.

We are, however, in agreement with the Board of Appeals in its statement that—

* * * We see in the terms of the method claims no more than a statement of action or functions of this apparatus so closely related thereto as to be not properly separable as a distinct patentable method. The method set forth is no more than an obvious function of this machine. * * *

In the case of *In re Weston*, 17 App. D. C. 431, 94 O. G. 1786, the court, in a very comprehensive opinion, after reviewing a large number of cases of the Supreme Court of the United States, said:

It seems to us from all these authorities the deductions to be drawn are these: First, that processes involving a chemical or other elemental action, if new and useful, are patentable; second, that a process, which amounts to no more than the mere function of a machine, is not patentable; third, that a process or method of a mechanical nature, not absolutely dependent upon a machine, although perhaps best illustrated by mechanism, may, if new and useful, be the proper subject of a patent, even though it involves no chemical or other elemental action.

This case was cited by us with approval in the case of *In re Weeks*, 18 C. C. P. A. (Patents) 1234, 48 F.(2d) 662, 411 O. G. 7, and we think the rule declared by the Court of Appeals of the District of Columbia, above quoted, is sound and in harmony with the later decisions of the Supreme Court of the United States, rendered both before and after the decision in the *Weston Case*.

Applying this rule to the case at bar, we think the claims here involved fall within the second class named in the rule. It appears that appellants' process is absolutely dependent upon a machine, or machines, for which appellants have been allowed apparatus claims, and each of the method claims here involved states a function, and nothing more than a function, of the apparatus described in the allowed claims. Nowhere in appellants' specification is it pointed out how their process could be carried out except by means of apparatus for which they have been allowed claims, and we agree with the decision of the Board of Appeals wherein it is stated that—

* * * It is not apparent how the alleged method could be performed independently of this specific apparatus or one having exactly equivalent corresponding elements.

These claims therefore clearly do not come within the third class described in the rule in *In re Weston*, supra.

It seems to us that appellants' so-called process is inseparably connected with the apparatus described by them, and for which they have been allowed claims. Their invention was not complete without apparatus with which to apply the process, and as the apparatus itself was inventive, and no other means are shown for applying the process, we do not see how it could be said that the process claims and the apparatus claims are both allowable.

In the case of *American Lava Co.* v. *Steward*, 155 Fed. 731, decided by the Circuit Court of Appeals, Sixth Circuit, the court said:

* * * No doubt it is competent, when the circumstances permit it, for an inventor in describing a machine or apparatus which he has devised, to make a claim for a process which his patented device is capable of carrying out. But to entitle him to do this the process must be one capable of being carried out by other means than by the operation of his patented machine, and, unless such other means are known or within the reach of ordinary skill and judgment, the patentee is bound to point them out; for, unless the public are informed by what other means the process can be carried on, the process is to them nothing else than the operation of the machine—in other words, the exercise of its functions. In the present case no other means or way of practicing the process are suggested by the patentee than the particular device on which his claim for the apparatus rests. * * *

Appellants rely upon the case of *Expanded Metal Co.* v. *Bradford*, 214 U. S. 366, 143 O. G. 863. This case, however, does not support appellants' position, for it appears from the opinion in that case that the process there involved could be carried out by hand; in other words, it was not absolutely dependent upon the machine there described. In the case at bar it does not appear that appellants' alleged process can be carried out in any other way than by apparatus for which they have been allowed claims.

In the case of *In re Tallmadge*, 37 App. D. C. 590, 194 O. G. 1219, the court said:

The patent law authorizes the issuance of a patent to any person who has invented or discovered any new and useful art, and a process may constitute such an art. To constitute such an art, however, it must be capable of producing a beneficial result without the aid of any particular mechanism, for where the process is simply the function or operative effect of a machine, it is not an invention, but at most the result of one. * * *

It is our view that the claims here involved are not allowable for the reason that they involve no more than the mere function of a machine for which claims have been allowed to appellants.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate.

U. S. Court of Customs and Patent Appeals

DUBBS *v.* BEATIE

No. 3,819. Decided June 12, 1934

[71 F.(2d) 302]

1. INTERFERENCE—ISSUE—CONSTRUCTION.

"It is elementary that the counts of an interference must be given the broadest interpretation which they will reasonably permit, but that expressly defined limitations cannot be disregarded. It is also elementary that limitations may not be read into a count for the purpose of avoiding the issue of priority."

2. SAME—SAME—PRIORITY.

Issue construed and *Held* that B. is not entitled to make the claim in issue copied from D.'s patent and that priority should have been awarded to D.

APPEAL from the Patent Office. Reversed.

Mr. Charles M. Thomas and *Mr. James P. Burns* for Dubbs.

Mr. Edmund G. Borden and *Mr. J. Austin Stone* for Beatie.

LENROOT, *J.:*

This is an appeal in an interference proceeding from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner of Interferences, awarding priority of invention to appellee.

There is but one count in the interference, which reads as follows:

1. A process for cracking hydrocarbon oil under the pressure of self generated vapors which consist in maintaining successive bodies of oil under successively higher temperatures in separated zones, in taking off vapors from each zone and separately subjecting them to reflux condensation, in passing the reflux condensate obtained from the vapors taken off from a zone of lower temperature to the zone of next succeeding higher temperature without permitting such condensate to return to the zone in which the vapors from which it was condensed generated.

There was originally another count in the interference, numbered count 2, which was eliminated on a motion by appellant to dissolve the interference upon the ground that appellee could not make the claim corresponding to said count. Said motion also included the count here in issue, but as to this count the motion was denied. Because of certain contentions made with respect to said count 2, it is here reproduced as follows:

2. A process for cracking hydrocarbon oil under a self generated vapor pressure consisting in maintaining the oil undergoing treatment in a plurality of successive bodies under successively higher temperature conditions, in passing vapors generated from each of said bodies to an independent dephlegmator wherein reflux condensation occurs, in passing reflux condensate from each of said dephleg-

mators, except the dephlegmator to which the vapors generated from the body of oil maintained at the highest temperature are passed, directly to the body of oil maintained at the next successively higher temperature than the temperature at which the oil, from which the vapors producing the reflux condensate are released, is maintained.

The interference is between a patent issued to appellant, No. 1,716,306, on June 4, 1929, upon an application filed October 6, 1920, and an application filed by appellee on July 31, 1920.

The only question involved in this appeal is that of the right of appellee to make the claim corresponding to said count 1 here in issue. This count originated in appellant's patent, and was copied for purposes of interference by appellee.

Appellant contends that appellee's application does not disclose the following elements of the count:

> • • • maintaining successive bodies of oil under successively higher temperatures in separated zones • • • and—
>
> • • • passing the reflux condensate obtained from the vapors taken off from a zone of lower temperature to the zone of next succeeding higher temperature • • •.

It is appellant's further contention that the element first above quoted is ambiguous when considered with the other elements of the count, and that therefore, in accordance with the well established rule, the meaning given to the count must be that intended by the appellant, as disclosed in his patent from which the count was copied.

The Board of Appeals in its decision stated:

> The only question raised by Dubbs' appeal is the right of the party Beatie to make the count in issue. As is obvious from an inspection of the count, it relates to a process of cracking hydrocarbon oil. The count originated in the Dubbs patent. Dubbs' procedure involves the use of a series of stills into the first of which the oil to be treated is introduced. Both the residual oil and the condensate from the dephlegmator are passed to the second still of the series for further treatment and so on throughout the whole series. The stills of the series are maintained at such temperature that the successive treatments of oil and residuum take place at higher temperatures and pressures than the preceding treatments. The count in question contains no definite limitation as to the source of oil in the successive bodies specified. It is Dubbs' contention that the expression "maintaining successive bodies of oil" requires, by reason of the word "successive," a flow of oil from one still to the next and a successive series determined by the direction of oil flow, the still in which the oil is initially treated being the first of the series, etc. While the count doubtless requires some series relationship of the oil bodies, we do not think it fairly requires such series relationship to be based on oil flow. We think it may as reasonably be based on the direction of condensate flow, as a prime consideration is the treatment of condensate as it becomes lighter at successively higher temperatures and pressures. The series relationship might also be based on temperature or pressure.
>
> The Beatie application discloses three cracking coils utilized for the treatment of a body of oil. These coils have series relationships which correspond to those in the Dubbs patent in all respects except as to the direction of oil transfer. In Beatie the crude oil is fed initially to the coil having the highest temperature and pressure, and passes successively through the stills to the coil having the lowest temperature and pressure. On the other hand the vapors produced in the various coils have a countercurrent flow from the coil having the lowest temperature and pressure to the coil having the highest temperature and pressure so that, as in the Dubbs patent, the residual condensate is successively subjected to higher temperatures and pressures as it becomes lighter. When, as in lines 3 and 4, of the count, reference is made to bodies of oil under successively higher temperatures, a series relationship of the bodies of oil is implied which in our opinion is only definitely expressed by the term "successive" in line 3. We do not think a fair interpretation of the count requires a reading into it that the successive oil bodies are successive only by reason of the direction of oil flow. It seems just as reasonable, inasmuch as the count is mainly concerned with the treatment of reflux condensate at successively higher temperatures, to base the series relationship of the oil bodies on the direction of the condensate flow or in the direction of rising temperature and pressure rather than on the direction of oil flow.
>
> As Dubbs' appeal is based primarily on the contention that the word "successive" in line 3 of the count should be giveff the limited interpretation above discussed and as we are of the opinion that it is fairly susceptible of a broader interpretation, such as is given it by the Examiner of Interferences, it follows that the examiner's action must be affirmed.

[1] It is elementary that the counts of an interference must be given the broadest interpretation which they will reasonably permit, but that expressly defined limitations cannot be disregarded. It is also elementary that limitations may not be read into a count for the purpose of avoiding the issue of priority.

We will first consider the first element—

> • • • maintaining successive bodies of oil under successively higher temperatures in separated zones."

If appellee does not disclose this element of the count, when properly construed, the decision of the Board must be reversed and we need not consider the second contention of appellant, that appellee does not disclose another element of the count as hereinbefore described.

While appellant contends that the Board held that the element of the count last above quoted is ambiguous, and nevertheless declined to apply the rule that in such case resort must be had to appellant's patent for its meaning, we do not think the decision of the Board should be so construed. As we view it, the Board held that the phrase "maintaining successive bodies of oil" was broad enough to include series relationships other than a series based on oil flow. It will be observed that the Board stated:

> • • • While the count doubtless requires some series relationship of the oil bodies, we do not think it fairly requires such series relationship to be based on oil flow. We think it may as reasonably be based on the direction of condensate flow, as a prime consideration is the treatment of condensate as it becomes lighter at successively higher temperatures and pressures. The series relationship might also be based on temperature or pressure.

We do not, however, agree with the Board that the series relationship may properly be held to be based upon the direction of condensate flow or upon temperature, for the reason that later elements of the count expressly provide for such series relationships, and therefore the phrase under consideration—"maintaining successive bodies of oil"—if it embraces such series relationships, would be meaningless as a step in the process because they are provided for elsewhere in the count. Neither are we impressed with the view of the Board that such series relationship might be based upon pressure.

Inasmuch as we do not think that the phrase under consideration may be properly construed as including series relationships based upon the direction of condensate flow, or upon temperature, the question is, do the words "maintaining successive bodies of oil" require a flow of oil from one still to the next and a successive series determined by the direction of oil flow, the still in which the oil is initially treated being the first of the series. That the phrase is broad enough to include such a mode of treatment of oil is conceded by the Board. It expressly held that the phrase "requires some series relationship of the oil bodies." As we hold that, for the reasons above stated, it does not include a series relationship based upon direction of condensate flow, or upon temperature or pressure, we think that the term "successive" either reasonably refers to a flow of oil or the step is ambiguous and indefinite, thus requiring reference to the patent in which the count is found for interpretation. *Brogden* v. *Slater*, 17 C. C. P. A. (Patents) 1240, 40 F.(2d) 988, 399 O. G. 630; *In re Nicolson*, 18 C. C. P. A. (Patents) 1468, 49 F.(2d) 961, 412 O. G. 838.

It is clear to us that the only disclosure in appellant's patent upon which the count reads is that described by the Board of Appeals in its decision as follows:

> • • • Dubbs' procedure involves the use of a series of stills into the first of which the oil to be treated is introduced. Both the residual oil and the condensate from the dephlegmator are passed to the second still of the series for further treatment and so on throughout the whole series. The stills of the series are maintained at such temperature that the successive treatments of oil and residuum take place at higher temperatures and pressures than the preceding treatments. • • •

In view of this disclosure we are clear that the phrase "maintaining successive bodies of oil," as used in the claim of the patent, was meant to refer to the direction of the oil flow, and we so hold. Under this construction appellee cannot make the claim, for he does not disclose a successive relationship of the oil bodies based on the flow of feed oil in the process under successive higher temperatures in separate zones. In appellee's disclosure the crude oil is fed initially into the coil having the highest temperature and passes successively through the stills to the coil having the lowest temperature; but, as stated by the Board, the vapors produced in the various coils have a counter current flow from the coil having the lowest temperature to the coil having the highest temperature.

The distinction, as far as material to the question here under consideration, is that in appellant's disclosure the feed oil and condensate pass successively from stills of low temperature to stills of higher temperature, while in appellee's disclosure the feed oil passes from coils of high temperature to coils of lower temperature, and the condensate passes from coils of low temperature to coils of higher temperature.

[2] Construing the element of the count here under discussion according to the meaning intended by the disclosure of the patent, we hold that it does not read upon appellee's disclosure, and he therefore cannot make the claim corresponding to the count. It is therefore unnecessary for us to consider other elements of the count relied upon by appellant as not being disclosed by appellee's application.

Appellee's counsel, in their brief, state:

> The party Dubbs apparently accepts the interpretation of count 2 as given by the Examiner of Interferences, and in this connection, it should be noted that the decision contains the following statement as quoted above:
> "Count 2 otherwise appears to be equivalent in scope to count 1." On the present appeal therefore, the party Dubbs is arguing for an interpretation of count 1 which will make it identical with count 2. The Dubbs appeal should therefore be dismissed. If the Dubbs patent contains a claim (which was count 2) covering the same subject-matter and drawn in the same scope which he contends for count 1, a decision in his favor would give him nothing more than he has.

It is only necessary to say, with respect to this contention, that it will be observed by an examination of original count 2 that it has several express limitations not involving the question in controversy here; so it cannot be said that, if count 1 be construed as contended for by appellant, and as held by us, it is identical with count 2. Therefore the case of *Oldroyd* v. *Morgan*, 19 C. C. P. A. (Patents) 1111, 57 F.(2d) 358, 421 O. G. 858, relied upon by appellee, is not applicable to the case at bar.

After the record herein had been certified by the Commissioner of Patents, appellee suggested a diminution of the record, and we thereupon issued our writ requiring the Commissioner to certify to this court the papers suggested, our order providing that the cost of printing would be taxed upon our final decision in the case.

We do not think that the briefs of appellant before the Examiner and the Board of Appeals should have been made a part of the record. We find in them no admissions contrary to the position appellant's counsel has taken in this court.

As to the other papers, we think appellee was entitled to have them included in the record. The cost of printing such papers will be taxed against appellant. The cost of printing the briefs before the Patent Office tribunals will be taxed against appellee.

For the reasons stated herein, the decision of the Board of Appeals is reversed.

Reversed.

HATFIELD, *J.*, did not participate.

U. S. Circuit Court of Appeals—Second Circuit

KREM-KO CO. *v.* R. G. MILLER & SONS, INC.

No. 21. Decided Jan. 15, 1934.

[68 F.(2d) 872]

1. DESIGNS—PATENTABILITY—ALL ELEMENTS MAY BE OLD.
   That, taken separately, all elements of bottle were old, or that there was only a simple grouping of such elements, did not necessarily render design patent invalid.
2. SAME—SAME—INVENTION NECESSARY.
   Originality born of inventive faculty, resulting in something above the commonplace and more than mere mechanical skill, is essential to valid design patent.
3. SAME—SAME—GLASS BOTTLE.
   Design patent No. 79,925, covering glass bottle, *held* invalid for want of invention.

APPEAL from the District Court of the United States for the District of Connecticut.

In Equity. Suit by the Krem-Ko Company against R. G. Miller & Sons, Inc., for infringement of a design patent and for unfair competition. From a decree dismissing plaintiff's bill of complaint, plaintiff appeals.

Affirmed.

Messrs. Usina & Rauber and *Messrs. Bristol & White* (*Mr. Wilkinson, Mr. Huxley, Messrs. Byron & Knight, Mr. Geo. L. Wilkinson, Mr. Chas. L. Byron*, and *Mr. Ralph Munden*, of counsel) for appellant.

Messrs. Cummings & Lockwood, Mr. Raymond E. Hackett, and *Mr. John D. Walker* for appellee.

Before MANTON, AUGUSTUS N. HAND, and CHASE, Circuit Judges

CHASE, *Cir. J.*:

The plaintiff makes a chocolate syrup which is mixed with milk to make a chocolate drink called Krim-Ko. It has distributors who are allotted certain territory within which they provide dealers

with Krim-Ko to sell to the public. The drink when ready for sale by the distributors is placed by them in a wide-mouthed transparent glass bottle which is the subject of United States Design Patent No. 79,925, granted to the plaintiff on November 19, 1929, as the assignor of George F. Gallagher who was its president. All Krim-Ko has since been distributed in the bottle of this patent. Though the plaintiff has another chocolate drink called "Five-O" which is made to sell at five cents a bottle, we are here concerned only with Krim-Ko which is made of a better grade of milk and is to be sold to the public at 10 cents a bottle. It requires a higher percentage of butter fat in the milk used and contains ingredients which make it unable to compete in price with a 5-cent chocolate drink.

The defendant was the exclusive distributor for the plaintiff of Krim-Ko in the States of Rhode Island and Connecticut and the county of Hampden, in Mass., from September 10, 1927, to September 30, 1931. It made and sold large quantities of Krim-Ko within its territory during this time, but in 1931 found that its business was decreasing, owing to competition from manufacturers of chocolate drinks which were sold to the public at 5 cents a bottle. It made known to the plaintiff its desire to terminate its connection as distributor and the agreement of September 10, 1927, under which it became the plaintiff's distributor was canceled by an agreement to that effect, dated September 30, 1931. On the latter date, the defendant had on hand about $20,000 worth of Krim-Ko bottles which it had purchased to use as the distributor for the plaintiff. Nothing was said in the written agreement of September 30, 1931, in regard to the disposition to be made of these bottles. The plaintiff, however, orally offered to use its best efforts to enable the defendant to dispose of them. So far as appears, however, nothing came of this offer.

Soon after the defendant ceased to be the plaintiff's distributor it began to make and sell a chocolate drink called "Chocolate Highball' and one called "Dairo." Both sold at retail for 5 cents a bottle and both were put in the Krim-Ko bottles the defendant had on hand. The only change in the container was the grinding off of the word "Krim-Ko" which appeared in a triangle on the face of the bottle and the use of caps of a different color and inscription with which to seal the bottles. This conduct of the defendant led to the bringing of this action.

[1-2] The design patent of the plaintiff covers a bottle, or similar article, in the general shape of the well known glass milk bottle. It is, however, proportionately somewhat longer; has vertical flutes which run from the bottom well up beyond the point where the bottle is narrowed to form the neck and end evenly just below a protruding flange which encircles the neck a short distance below the lip which is designed to hold the crimp of a cap in the form of a crown seal. Upon the face of the bottle is an equilateral triangle having the apexes of its angles slightly rounded. It is placed with one of its sides parallel to the plane of the bottom of the bottle and above the apex of the opposite angle which was placed at a point a little more than half way from the top to the bottom of the bottle. Taken separately all of the elements of the bottle are old. But that alone does not invalidate the design patent. *Graff, Washbourne & Dunn* v. *Webster* (C. C. A.) 195 F. 522. That there is but a simple grouping of these old elements does not negative invention either for simplicity may be the height of art. Of necessity, the lack of definite standards of comparison makes it difficult to characterize the inventive features necessary to a valid design patent except in terms of broad generalization. There must be originality which is born of the inventive faculty. *Smith* v. *Whitman Saddle Co.*, 148 U. S. 678, 13 S. Ct. 768, 37 L. Ed. 606. Certainly the completed whole must rise above the commonplace. *Strause Gas Iron Co.* v. *Wm. M. Crane Co.* (C. C. A.) 235 F. 126. There must be more than mere mechanical skill. *Steffens* v. *Steiner* (C. C. A.) 232 F. 862. If it can fairly be thought that a routine designer of the ordinary knowledge and experience of a good workman at his trade would, in all likelihood, put together such a grouping of old elements just as a part of the usual work of the day whenever the desire so to do was present there is no invention; and that is the situation here.

[3] Mr. Gallagher consulted with some of the employees of a glass company which manufactured bottles; gave them several bottles which had some of the features he desired to have embodied in the bottle he wanted made; told them generally what kind of a bottle he wanted; and the glass company then made up a wooden model for him to see. It later provided him with a drawing which showed the design he patented. All this seems to be no more than what a man, who wanted to have bottles made for a particular use by his company, would be apt to do in ordering the bottles of a manufacturer. At least, he made no nearer approach to inventive genius than would appear to be possessed by any competent business man who desired to have a bottle made in which to sell his company's product to the public and was willing to take the time and trouble to have a few old features embodied in it.

* * * * * * *

Affirmed.

[NOTE]: The part of the decision omitted relates to unfair competition.]

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,129,275, M. M. Cohn, Means for folding and dispensing paper towels, D. C., S. D. N. Y., Doc. E 65/84, *Scott Paper Co.* v. *S. H. Kress & Co.* Dismissed without prejudice (notice Nov. 3, 1934).

1,238,362, U. Thompson, jr., Boring apparatus, filed Oct. 30, 1934, U. S. Court of Claims, Dist. of Columbia, Doc. 42837, *U. Thompson, jr.*, v. *U. S.*

1,247,540 (*a*), 1,247,542, Re. 15,140, 1,286,017, 1,341,561, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, filed Sept. 14, 1934, D. C., E. D. Pa., Doc. 8323, *Activated Sludge, Inc.*, v. *City of Lancaster, Pa.* Same, D. C., N. D. Ohio, W. Div., Doc. E 1365, *Activated Sludge, Inc.*, v. *The City of Lima, Ohio.* Decree Pro Confesso Oct. 31, 1934. Same, D. C., E. D. Ill. (East St. Louis), Doc. 4640, *Activated Sludge, Inc.*, v. *City of Sparta, Ill.* Dismissed by agreement Nov. 5, 1934.

1,247,540 (*b*), 1,247,542, Re. 15,140, 1,286 017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; 1,343,797, Stott & Jones, Aeration of sewage and other impure liquids, D. C., E. D. Ill. (East St. Louis), Doc. E 4641, *Activated Sludge, Inc.*, v. *City of Christopher, Ill.* Dismissed by agreement Nov. 5, 1934.

1,247,542. (See 1,247,540 (*a*) and (*b*).)

1,253 796, L. F. Douglass, Camera; 1,450,412, same, Process of making a colored photographic image, filed Oct. 10, 1934, D. C., N. D. Calif. (San Francisco), Doc. E 3785–S, *L. F. Douglass* v. *Fox Film Corp.*

1,262,860, S. B. Smith, Incubator, filed Oct. 25, 1934, D. C. Colo. (Denver), Doc. 10386, *S. B. Smith* v. *J. F. Erdley et al.* (*Wray Hatcheries*). Same, filed Oct. 16, 1934, D. C., N. D. Calif. (San Francisco), Doc. E 37860–S, *S. B. Smith* v. *E. B. Arnold.*

1,266,517, G. S. Meikle, Rectifier; 1,393,520, E. Friederich, Enclosed arc device and the method of starting same, filed Oct. 29, 1934, D. C., E. D. N. Y., Doc. E 7421, *General Electric Co.* v. *Amperex Electronic Products, Inc., et al.*

1,268,725, Kadel & Pilcher, Railway car; 1,743,144, B. W. Kadel, same, 1,434,953, same, Door mechanism for railway cars; 1,738,057, same, Car door locking device; 1,737,927, same, Railway car; 1,733,736, same, Car door mechanism; 1,460,009, W. E. Wine, Railway car; 1,455,694 same, Car door locking device; 1,486,210, same, Door arrangement for railway cars; Re. 15,792, 1,431,499, same, Car door lock, appeal filed Oct. 29, 1934, C. C. A., 4th Cir., Doc. 3791, *Wine Rwy. Appliance Co.* v. *B. & O. R. R. Co.*

1,277,713, L. Goldstone, Boot or shoe counter reinforce, filed Nov. 1, 1934, D. C. N. Y. (Buffalo), Doc. 1897, *A. G. Stevenson* v. *The Menihan Co.* Doc. 1898, *A. G. Stevenson* v. *Sherwood Shoe Co.*

1,282,587. (See 1,247,540 (*a*) and (*b*).)

1,286,017. (See 1,247,540 (*a*) and (*b*).)

1,307,734, A. V. Gullborg, Lubricating means, D. C. Minn., 4th Div. Doc. E 2763, *Stewart-Warner Corp.* v. *Alu-A-Max Co.* Consent decree for plaintiff, finding infringement Oct. 29, 1934.

1,308,587, H. Heuser, Apparatus for making carbonated beverages; 1,764,055, same, Stabilization of cereal beverages; 1,842,872, same, Production of carbonated liquids; 1 724,021, same, Cereal beverage and liquids; 1,390,711, R. S. Heuser, Art of manufacturing cereal beverages; filed Oct. 13, 1934, D. C., N. D. Ill., E. Div., Doc. 14124, *U. S. Process Corp.* v. *The Schoenhofen-Edelweiss Co.*

1,324,235, T. de Roode, Moving picture film, filed Oct. 31, 1934, D. C., S. D. N. Y., Doc. E 79/135, *T. de Roode* v. *Universal Pictures Corp.*

1,341,561. (See 1,247,540 (*a*).)

1,343,797. (See 1,247,540 (*b*).)

1,354,939, H. D. Arnold, Vacuum tube device; 1,459,412, A. M. Nicolson, Thermionic translating device; 1,479,778, H. J. vander Bijl, Vacuum tube device; 1,537,708, W. Schottky, Thermionic vacuum tube, filed Oct. 25, 1934, D. C., S. D. N. Y., Doc. E 79/110, *Radio Corp. of America et al.* v. *Philco Radio & Television Corp.*

1,390,711. (See 1,308,587.)

1,392,629, C. P. Dubbs, Process of converting hydrocarbons, appeal filed Oct. 20, 1934, C. C. A., 3d Cir., Doc. 5648, *Root Refining Co.* v. *Universal Oil Products Co.*

1,393,520. (See 1,266,517.)

1,423,956, Mitchell & White, Tipless incandescent lamp, filed Oct. 29, 1934, D. C., E. D. N. Y., Doc. E 7422, *General Electric Co.* v. *Wabash Appliance Corp. et al.*

1,431,499. (See 1,268,725.) 1,434,953. (See 1,268,725.)

1,439,678, J. Beck, Refrigerator, filed Oct. 20, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 418–H, *J. Beck et al.* v. *Ward Refrigerator & Mfg. Co.*

1,450,412. (See 1,253,796.) 1,455,694. (See 1,268,725.)

1,459,412. (See 1,354,939.) 1,460,009. (See 1,268,725.)

1,460,744, I. Boysen, Method of taking pictures, filed Oct. 26, 1934, D. C., S. D. N. Y., Doc. E 79/111, *I. Boysen* v. *Bassani Processes, Inc.*

1,469,762, S. J. Nordstrom, Valve; Re. 14,516, same, Lubricated hydraulic plug-valve; 1,575,125, 1,608,519, same, Valve; 1,781,821, same, Lubricated plug valve, D. C., N. D. Calif. (San Francisco), Doc. E 3556–K, *Merco Nordstrom Valve Co.* v. *Crane Co.* Patents held valid and infringed Oct. 8, 1934.

1,470,524 (*a*), H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection; 1,505,592, F. W. Epperson, same, D. C., N. D. Calif. (San Francisco), Doc. E 3622–S, *National Popsicle Corp. et al.* v. *A. Ferriera et al.* Patents held valid and infringed Oct. 11, 1934.

1,470,524 (*b*), H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection; 1,505,592, F. W. Epperson, same; Des. 85,189, L. B. Krick, Confection, D. C., E. D. Pa., Doc. 7847, *National Popsicle Corp. et al.* v. *M. J. Harvey* (*Harvey Ice Cream Co.*). Decree for plaintiff Oct. 28, 1934.

1,479,778. (See 1,354,939.)

1,479,925, R. Oleri, Cylindrical ravioli shapers, sealers and cutters, filed Oct. 23, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 421–J, *R. Oleri* v. *A. E. Barili et al.* (*Arthur Engineering Works*).

1,486,210. (See 1,268,725.)

1,505,592. (See 1,470,524 (*a*) and (*b*).)

1,537,593, G. Egloff, Process for cracking oil, appeal filed July 12, 1934, C. C. A., 8d Cir., Doc. 5546, *Root Refining Co.* v. *Universal Oil Products Co.*

1,537,708. (See 1,354,939.)

1,558,437, I. Langmuir, Electrical discharge apparatus; Re. 15,278, same, Electron discharge apparatus; 1,696,103, G. Seibt, Electric discharge tube; 1,852,865, C. B. Upp, Carbonized non-emissive electrode; 1,865,449, J. L. Wuertz, Thermionically inactive electrode; 1,909,051, Freeman & Wade, Thermionic vacuum tube, filed Oct. 25, 1934, D. C., S. D. N. Y., Doc. E 79/109, *Radio Corp. of America et al.* v. *Philco Radio & Television Corp. of N. Y.*

1,572,487, Jeffries & Archer, Aluminum-copper alloy, filed Oct. 3, 1934, D. C., N. D. Ill., E. Div., Doc. 14116, *Aluminum Co. of America* v. *Acme Aluminum Foundry Co. et al.*

1,575,125. (See 1,469,762.)

1,583,951, A. T. Bahr, Starting gate; 1,770,450, 1,795,820, 1,815,757, same, Starting machine, D. C. Mo. (Kansas City), Doc. 2549, *Bahr Starting Gate Corp.* v. *Riverside Jockey Club.* Dismissed Oct. 31, 1934.

1,608,519. (See 1,469,762).

1,640,750, 1,658,665, T. Buchholz, Rail fastening, filed Nov. 1, 1934, D. C., S. D. N. Y., Doc. E 79/139, *American Geo Co.* v. *The Q. & C. Co.*

1,658,665. (See 1,640,750.)

1,669,973, J. Credo, Method and apparatus for screening wet material, filed Oct. 26, 1934, D. C., S. D. Ill., N. Div., Doc. 1292, *Louisville Drying Machinery Co.* v. *H. Walker & Sons, Inc.*

1,696,103. (See 1,558,437.)

1,715,004, S. J. Johnson, Garment hanger cover, filed Nov. 5, 1934, D. C., E. D. Mich. (Detroit), Doc. 6639, *Clopay Corp.* v. *D. R. Goldman et al.* (*Goldman Mfg. Co.*).

1,718,997. (See 1,470,524 (*a*) and (*b*).)

1,724,021. (See 1,308,587.)

1,728,924, M. Buchsbaum, Hosiery, D. C., S. D. N. Y., Doc. E 60/317, *Gotham Silk Hosiery Co., Inc.*, v. *Shoecraft Shops, Inc., et al.* Discontinued without prejudice (notice Oct. 30, 1934).

1,733,736. (See 1,268,725.) 1,737,927. (See 1,268,725.)

1,738,057. (See 1,268,725.)

1,738,252, 1,783,938, F. Keidel, Seal, filed Nov. 1, 1934, D. C., S. D. N. Y., Doc. E 79/137, *The International Seal & Knot Protector Co.* v. *Julabee Apparel, Inc.*

1,743,144. (See 1,268,725.)

1,756,000, J. M. Miller, Piezo-electric oscillation generator, filed Aug. 15, 1934, C. C. A., 3d Cir., Doc. 5581, *J. M. Miller* v. *National Broadcasting Co.*

1,757,357, Cramer & Cramer, Electrical condenser; 1,800,719, S. S. Cramer, same; 1,932,328, E. H. Tompkins, Condenser frame construction, filed Nov. 5, 1934, D. C., E. D. N. Y., Doc. E 7429, *Condenser Development Corp.* v. *Federal Instrument Corp.*

1,764,955. (See 1,308,587.) 1,770,450. (See 1,583,951.)

1,778,349, T. H. Banfield, Time control for stokers, filed Nov. 1, 1934, D. C., S. D. Ind. (Evansville), Doc. E 162, *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corp.*

1,781,821. (See 1,469,762.) 1,783,938. (See 1,738,252.)

1,790,925, N. W. Kinney, Wood heel grooving machine, D. C., S. D. Ohio, W. Div., Doc. E 748, *Slipper City Wood Heel Co.* v. *Vulcan Corp.* Patent held valid, and infringed as to claims 9 to 14, inclusive, Oct. 31, 1934.

1,795,820. (See 1,583,951.) 1,800,719. (See 1,757,357.)

1,800,719, S. S. Cramer, Electrical condenser; 1,932,328, E. H. Tompkins, Condenser frame construction, filed Nov. 5, 1934, D. C., E. D. N. Y., Doc. E 7430, *Condenser Development Corp.* v. *Montgomery Ward & Co.*

1,801,515, G. A. Dunn, Jogging mechanism for tying machines, D. C., N. D. Calif. (San Francisco), Doc. E 2956–S, *Ebby Mfg. Co.* v. *International Wood Products Co.* Dismissed without prejudice Oct. 8, 1934.

1,815,625, A. A. Kramer, Vehicle tank, filed Oct. 19, 1934, D. C. Mo. (Kansas City), Doc. 2591, *A. A. Kramer et al.* v. *Butler Mfg. Co.*

1,815,757. (See 1,583,951.)

1,837,990, H. C. Otis, Well tubing snubber; 1,894,912, same, Process and apparatus for inserting tubing in wells, D. C., N. D. Tex. (Fort Worth), Doc. E 809, *H. C. Otis* v. *Mid-Kansas Oil & Gas Co.* Dismissed without prejudice Oct. 27, 1934.

1,842,872. (See 1,308,587.) 1,852,865. (See 1,558,437.)

1,865,449. (See 1,558,437.)

1,887,866, S. L. Belknap, Double door floor safe, filed Nov. 2, 1934, D. C., S. D. Calif. (Los Angeles), Doc. E 428–J, *S. L. Belknap* v. *Alpha Beta Stores.*

1,894,912. (See 1,837,990.) 1,909,051. (See 1,558,437.)

1,909,786, 1,909,787, O. Pantke, Low temperature-phenol-formaldehyde resins and process of making same, filed Nov. 5, 1934, D. C., E. D. N. Y., Doc. E 7428, *Catalin Corp. of America* v. *Catalazuli Mfg. Co., Inc., et al.*

1,909,787. (See 1,909,786.)

1,928,658, R. Anderson, Splint, filed Oct. 29, 1934, D. C., N. D. Indiana (South Bend), Doc. E 560, *The Toncer Co., Inc. et al.* v. *H. Leiter* (*De Puy Mfg. Co.*).

1,932,328. (See 1,757,357 and 1,800,719.)

1,939,497, G. E. Herring, Tarnish-proof container, filed Oct. 13, 1934, D. C., N. D. Ill., E. Div., Doc. 14123, *G. E. Herring* v. *M. I. Naken.*

1,945,296, Klayman & Lawrence, Apparatus for cleaning and sterilizing feathers, filed Nov. 1, 1934, D. C., S. D. N. Y., Doc. E 79/141. *F. I. Klayman et al.* v. *National Pillow Clinic, Inc., et al.*

1,966,063, C. A. Domler, Bracelet connector, filed Oct. 27, 1934, D. C., S. D. N. Y., Doc. E 79/112. *The Hadley Co., Inc.*, v. *Bruner-Ritter, Inc.*

1,966,516, G. E. Phillips, Method of and means for making armored cables, filed Oct. 31, 1934, D. C., E. D. N. Y., Doc. E 7425, *National Electric Products Corp.* v. *Circle Flexible Conduit Co., Inc.*

Re. 14,516. (See 1,460,762.)

Re. 15,140. (See 1,247,540 (*a*) and (*b*).)

Re. 15,278. (See 1,558,437.)

Re. 15,792. (See 1,268,725.)

Des. 84,886, A. Fazekas, House number plate, D. C., N. D. Calif. (San Francisco), Doc. E 3654–L, *A. Fazekas* v. *E. L. Reed et al.* Patent held valid and infringed Sept. 19, 1934.

Des. 85,189. (See 1,470,524 (*b*).)

Des. 92,313, J. Martin, Design for a bed couch, filed Nov. 1, 1934, D. C., S. D. N. Y., Doc. E 79/140, *U. S. Cabinet Bed Co.* v. *The Rome Co., Inc.*

Des. 92,968, L. B. London, Reflector, filed Oct. 30, 1934, D. C., S. D. N. Y., Doc. E 79/133, *H. Foe* (*Electric Light Saver Co.*) v. *J. Straussberg* (*Niagara Electric Novelty & Supply Co.*) *et al.*

Des. 93,311, I. Weinrub, Curtain, filed Oct. 29, 1934, D. C., S. D. N. Y., Doc. E 79/113, *I. Weinrub* v. *J. Heidenberg* (*Acme Mills Co.*).

T. M. 18,717, Schulke & Mayr, Chemicals; T. M. 27,456, same, Soluble tar-oils; T. M. 53,937, T. M. 53,938, same, Disinfectants and antiseptics; T. M. 128,764, Lehn & Fink, Inc., same; T. M. 135,729, same, Soap and shaving cream; T. M. 137,640, same, Antiseptics and disinfectants, shaving cream and soap; T. M. 219,630. T. M. 224,321, T. M. 226,530, Lysol, Inc., Antiseptics and disinfectants; T. M. 225,545, same, Soap, shaving cream, etc., filed Oct. 22, 1934, D. C., N. D. Ill., E. Div., Doc. 14144, *Lysol, Inc.*, v. *Hotz Drug Co., Inc.*

T. M. 27,456. (See T. M. 18,717.)

T. M. 49,551, To-Kalon Vineyard Co., Whisky, T. M. 309,131, G. Benz, Sons, Inc., same, filed Oct. 4, 1934, D. C., N. D. Ill., E. Div., Doc. 14118, *G. Benz Sons, Inc.*, v. *H. C. Struzynski* (*National Cordial Co.*).

T. M. 53,937. (See T. M. 18,717.)

T. M. 53,938. (See T. M. 18,717.)

T. M. 128,764. (See T. M. 18,717.)

T. M. 135,729. (See T. M. 18,717.)

T. M. 137,640. (See T. M. 18,717.)

T. M. 219,630. (See T. M. 18,717.)

T. M. 224,321. (See T. M. 18,717.)

T. M. 225,545. (See T. M. 18,717.)

T. M. 226,530. (See T. M. 18,717.)

T. M. 291,312, Sinclair Refining Co., Lubricating oil, filed Oct. 22, 1934, D. C., N. D. Ill., E. Div., Doc. 14143, *Sinclair Refining Co.* v. *Motor Tire Sales Corp.*

T. M. 309,131. (See T. M. 49,551.)

Trade-Mark Registrations Canceled

254,094. Dried onions and green onions. The Associated Fruit Company, Delta, Colo. Registered March 12, 1929. Canceled November 27, 1934.

296,690. Electric ironing machines and parts thereof. Grigsby-Grunow Company, Chicago, Ill. Registered August 16, 1932. Canceled November 27, 1934.

297,886. Textile diapers. David Weiss, doing business as Stork Infant Wear, New York, N. Y. Registered October 4, 1932. Canceled November 27, 1934.

305,312. Bath emulsion and lotion. Harry I. Greenspan, New York, N. Y. Registered August 15, 1933. Canceled November 27, 1934.

306,621. Hairpins made of non-precious metals. Harry G. Blanchard, doing business as Beauty Maid Products Company, Buffalo, N. Y. Registered September 26, 1933. Canceled November 27, 1934.

312,340. Negligee shirts. Bogart Shirt Co., Paterson, N. J. Registered April 24, 1934. Canceled November 27, 1934.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 18, 1934

[VOL. 449. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 356,879. J. GREENEBAUM TANNING COMPANY, Chicago, Ill.; Boston, Mass.; and Milwaukee, Wis. Filed Oct. 8, 1934.

"DEERO HORSE"

The word "Horse" is disclaimed apart from the mark shown.

For Leather.

Claims use since Aug. 1, 1934.

Ser. No. 357,011. A. H. HOFFMAN, INC., Landisville, Pa. Filed Oct. 11, 1934.



For Field and Garden Seeds.

Claims use since Mar. 7, 1929.

Ser. No. 357,012. A. H. HOFFMAN, INC., Landisville, Pa. Filed Oct. 11, 1934.



The drawing is lined for red. No claim is made to the words "Clean", "Hardy", "Tested", and "Sound" apart from the mark.

For Field and Garden Seeds.

Claims use since Mar. 7, 1929.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 319,700. LIONEL TRADING CO. INC., New York, N. Y., assignor to Parfumerie Internationale Corday, Lagarenne-Colombes, France. Filed Oct. 3, 1931.

LE TRAITEMENT CORDAY

Applicant disclaims the words "Le Traitement" except in the combination "Le Traitement Corday."

For Soaps.

Claims use since Sept. 15, 1931.

Ser. No. 349,438. WM. RUTHERFORD, Chicago, Ill. Filed Apr. 2, 1934. Under 10-year proviso.

RUTHERFORD'S WALL PAPER CLEANER

For Wall-Paper Cleaner.

Claims use since 1893.

Ser. No. 355,185. THE DU BOIS SOAP CO., Cincinnati, Ohio. Filed Aug. 20, 1934.

AcTeX

For Industrial Cleanser for General Use, Which Also Possesses Properties as a Deodorant and Disinfectant.

Claims use since June 29, 1934.

Ser. No. 356,875. FISCHER'S SURFA-SAVER, INC., Cincinnati, Ohio. Filed Oct. 8, 1934.

FABRIKFOAM

For Concentrated Upholstery and Rug Shampoo Having Incidental Moth-Preventive Properties.

Claims use since July 10, 1933.

Ser. No. 338,020. LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed Nov. 8, 1934.

Viray

For Soap.
Claims use since Oct. 22, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 341,972. ISHAM W. IRWIN, doing business as Oralene Chemical Co., Albany, Ga. Filed Sept. 28, 1933.



The drawing is lined for red.
For Medicine for the Eyes.
Claims use since Sept. 10, 1929.

Ser. No. 343,282. SIDNEY GROSS, doing business as Gross Co., Birmingham, Ala. Filed Nov. 6, 1933.



The words "Original & Only Mint Flavored Headache Powder" are disclaimed apart from the mark as shown. The drawing is lined for red.
For Gross' "X" Mint Flavored Headache Powder, Used for the Relief of Simple Headache, Neuralgia, Muscular Pain, Dental Pains Following Extraction, and Fever Reducing Properties.
Claims use since Sept. 20, 1933.

Ser. No. 346,858. DEWEY & ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Feb. 2, 1934.

TIDA

For Chemical Compound for Use as a Dispersing Medium in Carbon Black, in the Rubber Industry, in the Ink Industry, in the Dye Industry, in the Paper Industry, and in Other Important Industries.
Claims use since May 1, 1933.

Ser. No. 350,428. MAGNO LABORATORIES, Providence, R. I. Filed Apr. 24, 1934.

MAGNO

For Scalp Ointment, Skin Ointment, Pile Ointment, and Corn Ointment.
Claims use since Apr. 17, 1934.

Ser. No. 352,508. JOHN E. SIBES, doing business as Sibur Moth Proof Service, Bellingham, Wash. Filed June 9, 1934.

SIBUR

For Moth-Proofing Liquid.
Claims use since June 1, 1932.

Ser. No. 354,292. LEONARD E. GRIFFITH, doing business as Griffith Drug Company, Townsend, Mont. Filed July 25, 1934.

ASPIR·CHEW

The term "Chew" is disclaimed apart from the other features of the mark.
For Chewing Gum Containing Aspirin Designed to be Liberated for Mixture with Saliva in One's Mouth for Administering the Effects of the Aspirin in its Many Ways for Treatment of Pain and Discomfort.
Claims use since Oct. 1, 1933.

Ser. No. 354,392. CLARENCE P. SMITH, doing business as Mystol Associated Stores System, Glens Falls, N. Y., assignor to Mystol Manufacturing Company, Kansas City, Mo., a corporation of Missouri. Filed July 27, 1934.

MYSTOL

For Glycerine, Peroxide of Hydrogen, Cascara Compound Tablets; Liniments for the Treatment of Sprains, Muscular Pains, and Congestion; Witch-Hazel, Cod-Liver Oil, Camphor, Soda-Mint Tablets, Aspirin Tablets; Beef, Iron, and Wine Tonic; Antacids, and Concentrates for the Preparation of Liniments.
Claims use since 1910 on liniments and concentrates for preparing liniments; since 1920 on soda mint tablets and aspirin tablets; and since 1930 on remaining products.

Ser. No. 354,431. CLAIROL, INC., New York, N. Y. Filed July 30, 1934.

REMOV-ZIT

For Hair Dye Removers.
Claims use since July, 1933.

Ser. No. 355,449. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Aug. 25, 1934.

PRAEQUINE

For Synthetic Derivative of Quinoline for Use in the Treatment of Hematozosis.
Claims use since May 15, 1934.

Ser. No. 355,450. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Aug. 25, 1934.

QUINIOPRAEQUINE

For Compound of a Natural Alkaloid with a Synthetic Derivative of Quinoline for Use in the Treatment of Hematozosis.
Claims use since May 25, 1934.

Ser. No. 356,208. JANE STIMSON, New York, N. Y. Filed Sept. 18, 1934.



Jane Stimson

The name "Jane Stimson" is a facsimile signature of the applicant.
For Cosmetics—Namely, Skin Cream, Lotion for the Skin, Face Powder, Bath Powder, Rouge, Vanity Cases Filled with Powder and Rouge, Eyebrow Pencils, Eye Shadow, and Mascara.
Claims use since July 23, 1934.

Ser. No. 356,247. HENRY ALEXANDRE EUGENE BOTTU, Paris, France. Filed Sept. 21, 1934.

NÉOLIDES H. B.

For Preparation for Use in the Treatment of Feminine Diseases and Feminine Hygiene.
Claims use since Feb. 12, 1932.

Ser. No. 356,535. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Sept. 28, 1934.

PMC

For a Product Resulting from the Refining of Rosin, for Use as a Softener in the Rubber Industry, Replacing Pine Tar Oils and Rosin Oils; List A: Rosin Size (Paste or Dry) or Sodium Resinate, Potassium Resinate, Ammonium Resinate; List B: Lime (Hydrated), Quicklime; Soda Ash (Sodium Carbonate)—Dense, Light, and Fluff; Satin White (Calcium Aluminate); List C: Sulphonated Castor Oil, Sulphonated Tallow, Casein; List D: Bisulphate of Soda (Nitre Cake); List E: Sulphuric Acid or Oil of Vitriol, Technical and Chemically Pure Grades, All Strengths; Formaldehyde, Glycerine, Paper Fillers Used as Filler by Paper Trade, Silicate of Soda (Water-Glass), and Trisodium Phosphate; List F: Calcium Carbonate (Light Precipitated Powdered Chalk), Creosote Oil for Preserving Telephone Poles, Railroad Ties, and All Outside Wood Exposed to Weather or Moisture; List G: Denatured Ethyl Alcohol, Completely Denatured and Specially Denatured Grades; Calcium Chloride (Flake and Solid, Caustic Soda (Electrolytic or Ammonia Process), Flake, Ground, Liquid, and the Like; Creosote Oil, Sizing Varnish, Laundry Soda or Modified Soda; List H: Boric Acid; Ammonium Hydroxide (Aqua Ammonia), Technical and Chemically Pure Grades, All Strengths; Laundry Blue, Ultramarine Blue, Borax; Disodium Phosphate (Sodium Acid Phosphate), Anhydrous and Commercial; Radiator Glycerine, Sodium Fluoride, Sodium Hyposulphite, Magnesium Sulphate, Alum or Aluminum Sulphate (Commercial Grade and Iron-Free Grade), Ammonia Alum or Ammonium Aluminum Sulphate, Potash Alum or Potassium (Aluminum Sulphate), Soda Alum, Sal Soda or Washing Soda; List I: Hydrochloric Acid (Muriatic Acid), Chemically Pure and Technical Grades, All Strengths; Nitric Acid, Bicarbonate of Soda, Glauber's Salt (Crystalline Hydrated Sulphate of Soda), Anhydrous Sodium Sulphate, Sodium Sulphate, Crude and Refined; List J: Acetic Acid, Hydrofluoric Acid, Oxalic Acid, Ammonium Chloride (Sal Ammoniac), Ammonium Phosphate, Bichromate of Soda, Bisulphite of Soda, Chloride of Lime (Bleaching Powder), Caustic Potash (Flake, Liquid, Solid), Epsom Salt (Magnesium Sulphate), Fire-Extinguisher Fluid (Carbon Tetrachloride with or without Added Ingredients), Magnesium Carbonate, Metasilicate of Soda (Crystals and Granular), Mono Sodium Phosphate, Paradichlorobenzene, Potassium Carbonate, Potassium Hydroxide, Anhydrous Calcium Sulphate (Snow White Brewers' Salt), Sodium Chlorate, Sodium Chromate, Sodium Nitrite, Sodium Perborate, Sodium Sulphide, Sodium Sulphite, Sulphur Flour, a Mixture of Sulphonated Castor Oil and Pine Oil, Pine Oil; List K: Methyl Alcohol (Wood Alcohol—Methanol), Antifreeze Grade; Ammonium Bicarbonate, a Cleaner (Liquid and Dry), for Removing Rust Spots and Discolorations and Odors from Toilets and Urinals, a Powdered Cleaning or Neutralizing Soda; List L: Arsenate of Lead, Barytes, Lime Sulphur, Deodorizing Crystals (Perfumed or Natural) for Use as a Deodorizing and Insect Repellant, a Clarifier for Use by Dry Cleaners for Clarifying Solvents; Concentrated Sodium Hydroxide, in Flake Form, for Use in Removing Obstructions from Drain Pipes, Closet Bowls, Plumbing, Etc.
The trade-mark has been continuously used and applied to said goods since 1918 as to said product resulting from the refining of rosin; since 1900 as to goods in list "A" above; since 1910 as to goods in list "B" above; since 1913 as to goods in list "C" above; since 1915 as to goods in list "D" above; since 1916 as to goods in list "E" above; since 1920 as to goods in list "F" above; since 1925 as to goods in list "G" above; since 1926 as to goods in list "H" above; since 1928 as to goods in list "I" above; since 1930 as to goods in list "J" above; since 1931 as to goods in list "K" above; and since 1932 as to goods in list "L" above.

Ser. No. 356,773. HENRY LOUBEQUE, New York, N. Y. Filed Oct. 4, 1934.

TOLINE

For Composition Ointment Salve, Liquid or Powder, for the Treatment of Boils, Pimples, Cracked and Itching Skin, Sunburn, Mat Burns, Cuts, Insect Bites, Athlete's Foot, Chapped Face and Hands, Skin Diseases, Rashes, Acne, Roaccia, Psoriasis, Eczema, Indulent Ulcers, Rectal Disorders and Wounds.
Claims use since June 10, 1934.

Ser. No. 356,864. BUFFALO ELECTRO-CHEMICAL COMPANY, INC., Buffalo and Tonawanda, N. Y. Filed Oct. 8, 1934

SUCRO-BLANC

Applicant disclaims the term "Blanc" except as shown
For Mixtures of Metallic Hypochlorites and Metallic Phosphates Suitable for Decolorizing Colored Materials.
Claims use since July 27, 1934.

Ser. No. 356,906. LANVIN PARFUMS, INC., Wilmington, Del., and New York, N. Y. Filed Oct. 9, 1934.

RUMEUR

For Perfumes and Toilet Waters.
Claims use since Oct. 1, 1934.

Ser. No. 357,240. THE DILL COMPANY, Norristown, Pa. Filed Oct. 18, 1934.

ESPOTABS

For Laxative Medicine in Tablet Form.
Claims use since Oct. 1, 1934.

Ser. No. 357,302. LUNDBORG, INC., New York, N. Y. Filed Oct. 19, 1934.



For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Hand Lotions, Eye Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since July 8, 1878.

Ser. No. 357,353. SCHERING CORPORATION, Bloomfield, N. J. Filed Oct. 20, 1934.

ORETON

For Medicinal Preparation Recommended for the Treatment of Disorders of the Male Sex Glands.
Claims use since Oct. 3, 1934.

Ser. No. 357,365. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Oct. 22, 1934.

2-4-6

For Methanol and Radiator Antifreeze Solutions.
Claims use since Sept. 22, 1934.

Ser. No. 357,366. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Oct. 22, 1934.

THE SPIRIT OF THE NATION

For Denatured Alcohol.
Claims use since 1922.

Ser. No. 357,400. M. VONSEN CO., Petaluma, Calif. Filed Oct. 22, 1934.

COMET
FUMING
ROOST PAINT

Applicant disclaims the words "Fuming Roost Paint" apart from the mark as shown.
For Insecticides, Parasiticidals, Vermicides or Compounds for the Destruction, Extermination, and Eradication of Insects, Lice, Ticks, Mites, or Other Vermin Which Infest Poultry.
Claims use since May 1, 1934.

Ser. No. 357,816. THE GROVE LABORATORIES, INC., Wilmington, Del., also doing business as Beaumont Laboratories, St. Louis, Mo. Filed Nov. 2, 1934.

"4-WAY"

For Medicinal Tablet for the Relief of Colds.
Claims use since Jan. 16, 1934.

Ser. No. 357,821. CHARLES M. KOPP, New York, N. Y. Filed Nov. 2, 1934.

CARKO

For Salve for Burns, Cuts, Sores, Boils, and Wounds.
Claims use since Sept. 17, 1934.

CLASS 12

Construction Materials

Ser. No. 357,141. THE INSULITE COMPANY, Minneapolis, Minn. Filed Oct. 15, 1934.

GRAYLITE

For Fiber Composition Board.
Claims use since Sept. 2, 1933.

Ser. No. 357,340. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Oct. 20, 1934.

KROMAG

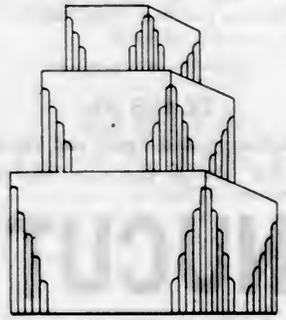
For Construction Materials, and More Particularly for Refractory Bricks, Refractory Plastics, and Refractory Cement.
Claims use since Sept. 1, 1932.

CLASS 15

Oils and Greases

Ser. No. 357,178. NATIONWIDE DISTRIBUTERS, INCORPORATED, Anderson, Ind. Filed Oct. 16, 1934.

ZINGO



For Illuminating Oils, Motor Fuel Oils, Lubricating Oils, and Lubricating Greases.
Claims use since Mar. 1, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 355,999. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., and New York, N. Y. Filed Sept. 13, 1934.

DUCO

For Polishes Acting as Dirt and Grease Removers and Cleaning Materials Upon Automobiles, Furniture, and the Like.
Claims use since Dec. 24, 1924.

Ser. No. 357,050. JESSE L. FEASEL, doing business as Scotty Products, Philadelphia, Pa. Filed Oct. 12, 1934.



For Automobile Polish, Wax Polish, Cleaner, and Polish for Lacquer and All Painted and Varnished Surfaces, Touch-up Enamel.
Claims use since July 2, 1934.

Ser. No. 357,472. THE PORCELAIN ENAMEL & MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md. Filed Oct. 24, 1934.



Applicant disclaims the word "Finest" apart from the mark as shown.
For Vitreous and Porcelain Enamels, the Same to be Applied to Automobile Parts Such as Exhaust Manifolds, Etc., Gas and Electric Ranges and Parts Therefor, Miscellaneous Kitchen Ware, Tables, Stoves, Radios, and Parts Thereof and Miscellaneous Equipment Relating Thereto, Reflectors, Dairy Equipment, Hotel Supplies, Roof and Wall Tiling, Building Exteriors, Scales, Signs, Household Equipment Such as Washing Machines, Refrigerators; Store Front Paneling and Macotta.
Claims use since Oct. 8, 1934.

Ser. No. 358,127. ELLIOTT PAINT & VARNISH COMPANY, Chicago, Ill. Filed Nov. 12, 1934.

LUXNAMEL

For Ready-Mixed Paints, Paint Enamels, and Varnishes.
Claims use since Feb. 15, 1928.

Ser. No. 358,131. W. P. FULLER & CO., San Francisco, Calif. Filed Nov. 12, 1934.



For Varnishes.
Claims use since July 1, 1913.

CLASS 17

Tobacco Products

Ser. No. 356,437. THE DEISEL-WEMMER-GILBERT CORPORATION, Detroit, Mich. Filed Sept. 26, 1934.

VAN-REX

For Cigars
Claims use since Mar. 13, 1934.

Ser. No. 358,034. MENENDEZ Y COMPAÑIA, S. EN C., Habana, Cuba. Filed Nov. 8, 1934.

MI SEÑORITA

For Cigars.
Claims use since Oct. 5, 1934.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 358,021. MANNINGTON MILLS, INCORPORATED, Salem, N. J. Filed Nov. 8, 1934.

RUBBERTEX

For Felt-Base Rugs and Floor Coverings.
Claims use since Nov. 14, 1930.

Ser. No. 358,022. MANNINGTON MILLS, INCORPORATED, Salem, N. J. Filed Nov. 8, 1934.

RUBBERTEX

The drawing is lined for red.
For Felt-Base Rugs and Floor Coverings.
Claims use since Nov. 14, 1930.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 357,637. KIDDY-CRAFTERS, Medford Hillside, Mass. Filed Oct. 29, 1934.

WEAVE-IT

For Toy Weaving Devices.
Claims use since March, 1934.

Ser. No. 358,162. JAY PERRY STOLTZ, Ashville, Ohio. Filed Nov. 12, 1934.

GOBALL

For Outdoor and Indoor Game Played by One Ball Being Driven by Another Ball into Pockets Through Wickets with Various Numbers on Top of These Wickets.
Claims use since Sept. 1, 1934.

Ser. No. 358,211. THE KENTON HARDWARE CO., Kenton, Ohio. Filed Nov. 14, 1934.

DIXIE

For Toy Repeating and Single-Shot Pistols.
Claims use since Nov. 5, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 349,976. HELLER BROTHERS COMPANY, Newark, N. J. Filed Apr. 14, 1934.

NUCUT

For Files.
Claims use since Mar. 15, 1931.

Ser. No. 351,701. THE NATIONAL SUPPLY COMPANY OF CALIFORNIA, Torrance, Calif. Filed May 22, 1934.

IDEAL AJAX

For Steam Engines and Parts Therefor, Including Lubricators, Throttle Valves, Drain Cocks.
Claims use since July 27, 1921.

Ser. No. 356,213. THE BURGESS COMPANY, INC., Beaver Falls, Pa. Filed Sept. 20, 1934.

NEU-TAK

For Stapling or Tacking Machines.
Claims use since Sept. 7, 1934.

Ser. No. 356,256. R. G. LE TOURNEAU INC., Stockton, Calif. Filed Sept. 21, 1934.

ANGLEDOZER

For Grading and Earth-Working Equipment—Namely, Scrapers.
Claims use since Apr. 1, 1933.

Ser. No. 356,831. COLUMBUS IRON WORKS COMPANY, Columbus, Ga. Filed Oct. 6, 1934.

On-li-won

For Cultivator Scrapers.
Claims use since Sept. 18, 1934.

Ser. No. 357,479. ARTHUR JOSEPH PARENT, Hartford, Conn. Filed Oct. 19, 1934.

EAGLE

For Shoe-Shining Machines.
Claims use since June 30, 1934.

Ser. No. 357,723. DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Oct. 31, 1934.

Delta LO~SPEED

No claim is made to the words "Lo-Speed" except in combination with the word "Delta".
For Band Saws.
Claims use since Oct. 19, 1934.

Ser. No. 357,724. DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Oct. 31, 1934.

Delta SLO~SPEED

No claim is made to the words "Slo-Speed" except in combination with the word "Delta".
For Drill Presses.
Claims use since Oct. 22, 1934.

Ser. No. 357,749. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y. Filed Oct. 31, 1934.

SINGERCRAFT

For Work-Holding Implements for Use With Sewing Machines.
Claims use since Mar. 26, 1932.

Ser. No. 357,760. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y. Filed Nov. 1, 1934.

OPERA

For Razors and Razor Blades.
Claims use since Oct. 23, 1934.

Ser. No. 357,781. JEFFERSON CARROLL PHILLIPS, doing business as The Lord Carroll Company, Denver, Colo. Filed Nov. 1, 1934.

LORD CARROLL DOUBLIT

For Combined Knives and Forks.
Claims use since July 20, 1934.

CLASS 25

Locks and Safes

Ser. No. 358,100. S. H. KRESS & CO., New York, N. Y. Filed Nov. 10, 1934.

DART

For Padlocks, Night Latches, Door Locks, Safe Locks, Cabinet Locks, Combination Locks, and Keys.
Claims use since Mar. 1, 1933.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 352,732. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed June 15, 1934.

GENERAL ELECTRIC

For Electrical Measuring, Recording and Indicating Instruments, and Parts Thereof—Namely, Instruments for Resistance, Capacitance, Current, Voltage, Watts, Volt Amperes, Reactive Volt Amperes, Power Factor, Frequency, Core Loss, Watt Hours, Reactive Volt Ampere Hours, and Volt Ampere Hours, Synchroscopes, Electrostatic Ground Detectors, Oscillographs, Potentiometers, Bridges, Demand Meters, Thermometers, Hydraulic Dynamometers, Thermostats, and Vibration Indicators.
Claims use since 1930.

Ser. No. 355,801. GERMANOW-SIMON MACHINE CO., Rochester, Mass. Filed Sept. 7, 1934.

TEL-TRU

For Thermometers.
Claims use since January, 1934.

Ser. No. 356,726. HILLS BROS., San Francisco, Calif. Filed Oct. 3, 1934.

COFFEE GUIDE

For Coffee Measure.
Claims use since June 22, 1934.

Ser. No. 356,950. EXCELLA PATTERN COMPANY, New York, N. Y. Filed Oct. 10, 1934.

EXCELLAGRAF

For Patterns and Work Sheets for Patterns.
Claims use since Aug. 10, 1934.

Ser. No. 357,461. THE ANDREW B. HENDRYX COMPANY, New Haven, Conn. Filed Oct. 24, 1934.

IRIS

For Light Shields for Cameras and Other Lenses.
Claims use since Oct. 3, 1934.

Ser. No. 357,754. TAUNTON PEARL WORKS, INC., Taunton, Mass. Filed Oct. 31, 1934.

SUNSPEX

For Ophthalmic Frames and Mountings and Ophthalmic Lens and Lens Blanks.
Claims use since Oct. 8, 1934.

Ser. No. 357,920. ANTHONY J. PLESE, doing business as Draw-Graph Mfg. Co., Chicago, Ill. Filed Nov. 5, 1934.

DRAW-GRAPH

For Pantographs.
Claims use since Aug. 21, 1934.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 356,426. SCHUMAN & DONCHI, INC., Newark, N. J. Filed Sept. 25, 1934.

S&D

For Fingerrings, Brooches, Bracelets, Ornamental Buckles, Pendants, Lockets, Clasps, and Other Jewelry for Personal Wear or Adornment, But Not Including Watches and Watchcases.
Claims use since May 1, 1934.

Ser. No. 357,037. ACME RING MFG. CO., INC., Newark, N. J. Filed Oct. 9, 1934.



For Fingerrings and Other Articles of Jewelry, for Personal Wear, Not Including Watches.
Claims use since 1925.

Ser. No. 357,939. ASSOCIATED ATTLEBORO MANUFACTURERS, INC., Attleboro, Mass. Filed Nov. 6, 1934.

CARMEN

For Bracelets.
Claims use since Dec. 15, 1900.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 356,949. THE EVEREDY COMPANY, Frederick, Md. Filed Oct. 10, 1934.

EVERCRAFT

For Candlesticks.
Claims use since Apr. 9, 1934.

Ser. No. 357,610. UNIVERSAL OIL BURNER COMPANY INCORPORATED, Hartford, Conn. Filed Oct. 27, 1934.



The word "Gas" is disclaimed apart from the mark shown. The drawing is lined for red.
For Oil Burners, Oil-Burning Steam Boilers and Water Heaters and Parts Thereof.
Claims use since Oct. 10, 1933.

CLASS 37

Paper and Stationery

Ser. No. 343,955. BOURJOIS, INC., New York, N. Y. Filed Nov. 22, 1933.

BOURJOIS

For Tissue Paper Used for Skin Cleaning Purposes, Known as Cleansing Tissue.
Claims use since Nov. 7, 1933.

Ser. No. 357,000. G. & C. NOVELTY CO., Boston, Mass. Filed Oct. 11, 1934.



No claim is made for the representation of applicant's goods shown apart from the mark shown.
For Memorandum Pads.
Claims use since June 28, 1934.

Ser. No. 357,508. SAN-NAP-PAK MFG. CO. INC., New York, N. Y. Filed Oct. 25, 1934.

PARK LANE

For Cleansing Tissue.
Claims use since October, 1930.

Ser. No. 358,055. KALLE & CO. AKTIENGESELLSCHAFT, Wiesbaden-Biebrich, Germany. Filed Nov. 9, 1934.

Arcasol

For Drawing Paper, Especially Transparent Drawing Paper, Tracing Cloth.
Claims use since Aug. 23, 1934.

CLASS 38

Prints and Publications

Ser. No. 356,878. CHARLES D. GIAUQUE, Boston, Mass. Filed Oct. 8, 1934.

PHYSICAL EDUCATION
DIGEST
HEALTH & RECREATION

For Magazine.
Claims use since Sept. 26, 1934.

Ser. No. 356,905. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Oct. 9, 1934.

RADIO PATROL

For Newspaper Cartoon.
Claims use since Apr. 16, 1934.

Ser. No. 357,162. WHITMORE & SMITH, BOOK AGENTS PUBLISHING HOUSE, M. E. CHURCH, SOUTH, Nashville, Tenn., Dallas, Tex., Richmond, Va., and San Francisco, Calif. Filed Oct. 15, 1934.

THE EPWORTH HIGHROAD

For Religious Periodical.
Claims use since January, 1932.

Ser. No. 357,655. SYNDICATED ENTERPRIZES, INC., New York, N. Y. Filed Oct. 29, 1934.



For Periodical.
Claims use since Aug. 8, 1933.

Ser. No. 357,921. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Nov. 5, 1934.

BABE BUNTING

For Cartoon Strips and Comic Strips.
Claims use since Oct. 26, 1934.

Ser. No. 358,069. SUN-DIET HEALTH FOUNDATION, INC., East Aurora, N. Y. Filed Nov. 9, 1934.

The KEY to HEALTH Magazine

For Periodical Publication.
Claims use since Dec. 15, 1933.

Ser. No. 358,089. ASHTON B. COLLINS, Birmingham, Ala. Filed Nov. 10, 1934.



For Advertising Matter Sold to the Trade as Such.
Claims use since Mar. 14, 1926.

Ser. No. 358,146. MUHLENBERG PUBLISHING COMPANY, INC., Reading, Pa. Filed Nov. 12, 1934.

THE COAL TRUCKER

For Monthly Publication.
Claims use since August, 1934.

CLASS 39

Clothing

Ser. No. 330,068. MODERN MERCHANDISING BUREAU, INC., New York, N. Y. Filed Sept. 2, 1932.

cinema Modes

The word "Modes" itself, and without relation to its association in a Mark of the character shown, is disclaimed.

For Women's, Misses', and Children's Hats and Caps; Scarfs of Silk, Wool, Rayon, Linen, and Cotton; Shoes of Leather, Calfskin, Fabric, Satin and Linen, or Any Combination Thereof; Underwear of Knitted, Netted, and Textile Fabrics; Bloomers, Chemises, Brassières, Negligees, Petticoats, Slips, Panties, Vests and Shirts for Underwear, Nightgowns, Pajamas, Wraps, Skirts for Under and Outer Wear, Knickers, Riding Habits, Beach Overalls and Beach Pajamas; Coats, Blouses, Shirtwaists, Gowns, Frocks, Dresses, and Suits.

Claims use since June 30, 1932.

Ser. No. 339,447. HOWARD BENUCK, Chicago, Ill. Filed July 3, 1933.

DOCTOR ALFRED'S ®

COMBINATION LAST

MILWAUKEE MADE

The words "Combination Last" and "Milwaukee Made" and the symbol "R" are not claimed apart from the other features of the mark.

For Shoes Made of Leather.

Claims use since January, 1930.

Ser. No. 347,948. MODERN MERCHANDISING BUREAU, INC., New York, N. Y. Filed Feb. 24, 1934.



The word "Fashions", specifically, and without relation to its association in the trade-mark shown, is disclaimed.

For Women's, Misses', and Children's Hats and Caps; Scarfs of Silk, Wool, Rayon, Linen, and Cotton; Underwear of Knitted, Netted, and Textile Fabrics; Bloomers, Chemises, Brassières, Negligees, Petticoats, Slips, Panties, Vests and Shirts for Underwear, Nightgowns, Pajamas, Wraps, Skirts for Under and Outer Wear, Knickers, Riding Habits, Beach Overalls and Beach Pajamas, Coats, Blouses, Shirtwaists, Gowns, Frocks, Dresses, and Suits.

Claims use since Dec. 1, 1931.

Ser. No. 351,221. NUNNALLY & MCCREA CO., Atlanta, Ga. Filed May 11, 1934.

THE ENGINEER

For Overalls, Work Pants and Work Shirts.

Claims use since January, 1896.

Ser. No. 354,459. EARL S. CALDOR, doing business as Packaine French Bandeaux, New York, N. Y. Filed July 31, 1934.

GYPSY-SASH

For Corsets and Girdles.

Claims use since 1910.

Ser. No. 354,789. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa. Filed Aug. 9, 1934.

Clear-Knit

By

Artcraft

Applicant disclaims the term "Clear-Knit" apart from the mark as shown.

For Women's Hosiery.

Claims use since Aug. 1, 1934.

Ser. No. 355,082. WRIGHT'S UNDERWEAR COMPANY, INC., New York, N. Y. Filed Aug. 16, 1934.

WRIGHT'S HEALTH SLEEPER

No claim is made to the words "Health Sleeper" apart from the mark shown.

For One and Two Piece Sleeping Garments for Men, Women, and Children.

Claims use since August, 1930.

Ser. No. 355,280. MALBROSE MANUFACTURING COMPANY, Los Angeles, Calif. Filed Aug. 21, 1934.

SKINIETTE

For Ladies' and Girls' Underwear, Made Wholly or in Part Thereof of Silk, Rayon, Linen, or Cotton.

Claims use since Aug. 14, 1934.

Ser. No. 355,721. O'CONNOR & GOLDBERG, Chicago, Ill. Filed Aug. 31, 1934.

Youthies

For Women's Shoes Made of Fabric and Leather and Combinations of Fabric and Leather.

Claims use since Aug. 17, 1934.

Ser. No. 355,878. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Sept. 10, 1934.

KARAVAN

For Silk Lingerie—Namely, Costume Slips, Nightgowns, Dance Sets, Chemise, Panties, Pajamas, and Silk and Rayon Underwear for Women.

Claims use since July 15, 1934.

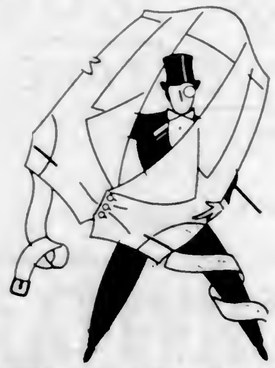
Ser. No. 356,102. CHIPMAN KNITTING MILLS, Spring Grove, Easton, Pa. Filed Sept. 17, 1934.

REVERSNIT

For Hosiery.

Claims use since Sept. 10, 1934.

Ser. No. 356,804. MOSES JACKMAN, doing business as M. Jackman & Sons, Los Angeles, Calif. Filed Oct. 5, 1934.



The representation of the waistcoat is disclaimed apart from the mark.

For Men's Dress Suits, Coats, Trousers, and Vests.

Claims use since Sept. 1, 1933.

Ser. No. 356,923. SUSSBERG & FEINBERG, INC., New York, N. Y. Filed Oct. 9, 1934.

FAMOSELL

For Women's Silk Underwear—Namely, Slips, Chemises, Step-In Underdrawers, Corsets, Brassières, Pajamas, and Nightgowns.

Claims use since Aug. 8, 1934.

Ser. No. 356,939. BERKSHIRE KNITTING MILLS, Wyomissing, Reading, Pa. Filed Oct. 10, 1934.

BERKSHEER

For Hosiery.

Claims use since Oct. 4, 1934.

Ser. No. 357,201. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Oct. 17, 1934.



For Men's and Boys' Suits and Overcoats.

Claims use since Aug. 7, 1934.

Ser. No. 357,227. BOTANY WORSTED MILLS, Passaic, N. J. Filed Oct. 18, 1934.

MEXTEX

For Neckties.

Claims use since June 1, 1934.

Ser. No. 357,281. FABRISUEDE, INC., New York, N. Y. Filed Oct. 19, 1934.

FABRISUEDE

For Gloves of Fabric Material.

Claims use since Oct. 6, 1934.

Ser. No. 357,459. GREENHILL & DANIEL, INC., Brooklyn, N. Y. Filed Oct. 24, 1934.



The drawing is lined for green.

For Knitted Bathing Suits, Knitted Sweaters, and Knitted Dresses and Skirts for Women, Misses, and Children; Brassières, Corsets, Girdles, and Hosiery.

Claims use since Oct. 1, 1934.

Ser. No. 357,460. Greenhill & Daniel, Inc., Brooklyn, N. Y. Filed Oct. 24, 1934.

Sea Horse

The drawing is lined for green.
For Knitted Bathing Suits, Knitted Sweaters, and Knitted Dresses and Skirts for Women, Misses, and Children; Brassières, Corsets, Girdles, and Hosiery.
Claims use since Oct. 1, 1934.

Ser. No. 357,633. International Shoe Co., St. Louis, Mo. Filed Oct. 29, 1934.

The JOHN C. ROBERTS Stabilizer

For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Sept. 24, 1934.

Ser. No. 357,675. Lorch Manufacturing Co., Dallas, Tex. Filed Oct. 30, 1934.

Stonybrook



For Ladies' Coats.
Claims use since Jan. 1, 1934.

Ser. No. 357,756. Wells-Lamont-Smith Corporation, Minneapolis, Minn. Filed Oct. 31, 1934.

WHITE HORSE

For Work Gloves of Leather.
Claims use since Oct. 25, 1934.

Ser. No. 357,771. Guild Shirt Company, Baltimore, Md. Filed Nov. 1, 1934.

Needletown

For Dress and Negligee Shirts.
Claims use since June 27, 1934.

Ser. No. 357,820. Ralph J. Klemperer, Inc., Chicago, Ill. Filed Nov. 2, 1934.



Du Barry

For Hats for Misses and Women.
Claims use since Dec. 27, 1933.

Ser. No. 357,834. Rogers Peet Company, New York, N. Y. Filed Nov. 2, 1934.

THE FORECASTER

For Men's Suits and Overcoats.
Claims use since Oct. 7, 1934.

Ser. No. 357,854. Truman Floyd Denman, doing business as The Fur Doctor, San Francisco, Calif. Filed Nov. 3, 1934.

The Fur Doctor

The word "Fur" is claimed only in association with the other features of the mark shown.
For Clothing for Women, Misses, and Girls—Namely, Fur Coats, Cloaks, Wraps, Scarfs, Muffs, Capes, and Jackets.
Claims use since October, 1929.

Ser. No. 357,865. M. S. Levy & Sons, Inc., Baltimore, Md. Filed Nov. 3, 1934.

THE GIVE N TAKE IDEA

For Men's Hats.
Claims use since Aug. 1, 1932.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 356,606. J. K. & L. S. Weiner & Co. Inc., New York, N. Y. Filed Sept. 29, 1934.

STRATOSPHERE

For Woolen, Worsted, Tropical, Sport Coatings in the Piece, Crashes, and Trouserings.
Claims use since Aug. 7, 1934.

Ser. No. 357,045. Cannon Mills Company, Kannapolis, N. C. Filed Oct. 12, 1934.

CANNON

For Towels and Toweling, Sheets and Sheeting, Pillowcases, Bedspreads, Blankets, Table Cloths and Napkins, Drapes and Curtains, Play Rugs, Bath Mats, Wash Cloths, and Diapers.
Claims use since January, 1916.

Ser. No. 357,639. The Linen Thread Co., Inc., New York, N. Y., and Wilmington, Del. Filed Oct. 29, 1934.

DURACOY

For Netting.
Claims use since Aug. 16, 1934.

CLASS 43

Thread and Yarn

Ser. No. 357,028. Bernhard Ulmann Co. Inc., New York, N. Y. Filed Oct. 11, 1934.

CREPE-GORA

No claim is made to the word "Crepe" apart from the mark shown.
For Yarn Composed of Wool, Worsted, and Rabbit Hair.
Claims use since Sept. 28, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 332,570. Cosmos Corporation, Newark, N. J. Filed Nov. 28, 1932.

COSMOS

For Electrical Incandescent Lamps for Therapeutic Purposes.
Claims use since Apr. 23, 1932.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 322,929. S. A. Gerrard Company, Cincinnati, Ohio. Filed Jan. 12, 1932.

BALLYHOO

For Fresh Vegetables.
Claims use since Dec. 9, 1931.

Ser. No. 337,165. Mutual Rice Co. Inc., New York, N. Y. Filed Apr. 25, 1933.

EL TOREADOR



The drawing is lined for green, red, and brown.
For Dried Chick Peas.
Claims use since Apr. 1, 1933.

Ser. No. 341,083. Eastern Grocery Co., doing business as Eastern Grocery Food Products Co., New York, N. Y. Filed Aug. 28, 1933.



For Coffee, Canned Peas, and Tomato Paste.
Claims use since January, 1933.

Ser. No. 345,399. The Quaker Oats Company, Chicago, Ill. Filed Dec. 27, 1933.

Quaker

For Poultry Feed.
Claims use since Feb. 23, 1912.

For Canned Claims use since

Ser. No. 348,114. BLY-ROBINSON COMPANY, INC., Charles Town, W. Va. Filed Feb. 28, 1934.



No claim is made to the words "Charles Town, W. Va., U. S. A." nor to the representation of the goods apart from the mark as shown. The drawing is lined for shading.
For Fresh Apples.
Claims use since Oct. 8, 1932.

Ser. No. 354,462. FLORIDA AVOCADO GROWERS EXCHANGE, Naranja, Fla. Filed July 31, 1934.

Flavos

For Fresh Avocados.
Claims use since August, 1933.

Ser. No. 355,032. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Filed Aug. 15, 1934.

Sublime

For Fresh Citrus Fruits.
Claims use since July 25, 1934.

Ser. No. 355,859. SNIDER PACKING CORPORATION, New York, N. Y. Filed Sept. 8, 1934.



ned Vegetables, Canned Succo-
932.

Ser. No. 356,567. ALFRED J. HEMMER, Dewitt, N. Y. Filed Sept. 29, 1934.



Ivanhoe Manor

For Dairy and Milk Products—Namely, Raw Milk, Cream, Butter, and Cheese.
Claims use since Mar. 17, 1925.

Ser. No. 356,648. THINSHELL PRODUCTS, INC., doing business as Variety Biscuit and Cracker Company, Chicago, Ill. Filed Oct. 1, 1934.

Super Bakt

The word "Bakt" is disclaimed apart from the other features of the mark.
For Soda Crackers and Graham Crackers.
Claims use since Aug. 23, 1934.

Ser. No. 356,668. MARCHMONT MILLING COMPANY, Detroit, Mich. Filed Oct. 2, 1934.



The drawing is lined for blue, yellow, green, and red. No claim is made to the words "My T Nice" apart from the association shown.
For Wheat Breakfast Cereal.
Claims use since Jan. 5, 1932.

Ser. No. 356,671. PEPPY BOY NOODLE COMPANY, Ellwood City, Pa. Filed Oct. 2, 1934.



The picture is fanciful.
For Noodles.
Claims use since Aug. 27, 1934.

Ser. No. 356,781. PLANTERS NUT AND CHOCOLATE COMPANY, Suffolk, Va. Filed Oct. 4, 1934.

IT'S THE NUTS

No claim is made to the word "Nuts" apart from the association shown.
For Candy.
Claims use since Sept. 15, 1934.

Ser. No. 356,801. ESKIMO PIE CORPORATION, New York and Brooklyn, N. Y. Filed Oct. 5, 1934.

ESKIMO FUDGIE

No claim is made to the word "Fudgie" apart from the association shown.
For Frozen Confections.
Claims use since Oct. 9, 1933.

Ser. No. 356,888. HERBEN SEROIS, doing business as Nutro Dog Food Company, Santa Monica, Calif. Filed Oct. 8, 1934.

NUTRO

For Dog Food, Cat Food, and Fox Food.
Claims use since Sept. 1, 1931.

Ser. No. 356,911. PLOUGH, INC., doing business as Gold Club Company, Memphis, Tenn. Filed Oct. 9, 1934.

GOLD CLUB

For Pepper and Flavoring Extracts for Food Purposes.
Claims use since May 17, 1934.

Ser. No. 357,076. YUKON MILL AND GRAIN COMPANY Yukon, Okla. Filed Oct. 12, 1934.



Applicant disclaims the expressions "Quality" and "Yukon's" apart from the mark shown.
For Wheat Flour.
Claims use since January, 1904.

Ser. No. 357,510. THE J. M. SMUCKER CO., Orrville, Ohio. Filed Oct. 25, 1934.

DUTCH GIRL

For Apple Butter, Preserves.
Claims use since June, 1925.

Ser. No. 357,670. S. HOLST-KNUDSEN, New York, N. Y Filed Oct. 30, 1934.



The words "Danish Blue Cheese" and "Made in Denmark" are disclaimed apart from the mark.
For Cheese.
Claims use since Aug. 1, 1934.

Ser. No. 357,701. ISRAEL BERENSON, doing business as Benconson Sales Co., Dorchester, Boston, Mass. Filed Oct. 30, 1934.

La Berenda

For Candy.
Claims use since Nov. 15, 1933.

Ser. No. 357,863. LANEY KNUTE PRODUCTS COMPANY, Yonkers, N. Y. Filed Nov. 3, 1934.

Clucha

For Conserves.
Claims use since Oct. 12, 1934.

Ser. No. 358,077. KOSHER STAR SAUSAGE MFG. CO., Chicago, Ill. Filed Nov. 10 1934.



The Hebrew words appearing on the mark translated into English are the word "Kosher", and no claim is made to the exclusive use of said Hebrew word meaning "Kosher" apart from the mark as shown in the drawing. No claim is made broadly to the representation of a tag per se, to the exclusive use of the geographical term "Chicago, Ill.", nor to the notation "Est. 48" apart from the mark as shown.

For Meats and Meat Products—viz, Salami, Square Salami, Garlic Sausage, Salami Half Hard, Salami Hard, Mortidella, Bologna Jumbo, Bologna Ring, Bologna Straight, Wieners, Frankfurts, Knock Wurst, Pickled Beef Briskets, Pickled Roulade, Pickled Tongue, Pickled Steak, Paprica Speck, Pastroma Breast Peppered, Pastroma Shoulder Peppered, Pastroma Roulade Peppered, Pastroma Roumanian Peppered, Pastroma Chuck Peppered, Cooked Corned Beef, Cooked à la Lamb, Cooked Smoked Beef, Cooked Tongues, Cooked Pressed Tongue. Cooked Roulade.

Claims use since Apr. 26, 1934.

Ser. No. 358,078. SINAI KOSHER SAUSAGE FACTORY, Chicago, Ill. Filed Nov. 10, 1934.



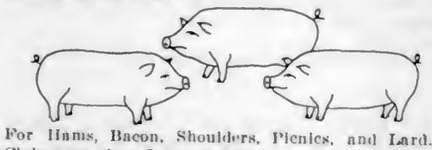


No claim is made broadly to the representation of a tag per se, to the term "Chicago", nor to the expression "Est. 48" apart from the mark shown. The Hebrew word translated into English is "Sinai".

For Meats and Meat Products—viz, Salami, Square Salami, Garlic Sausage, Salami Half Hard, Salami Hard, Mortidella, Bologna Jumbo, Bologna Ring, Bologna Straight, Wieners, Frankfurts, Knock Wurst, Pickled Beef Briskets, Pickled Roulade, Pickled Tongue, Pickled Steak, Paprica Speck, Pastroma Breast Peppered, Pastroma Shoulder Peppered, Pastroma Roulade Peppered, Pastroma Roumanian Peppered, Pastroma Chuck Peppered, Cooked Corned Beef, Cooked à la Lamb, Cooked Smoked Beef, Cooked Tongues, Cooked Pressed Tongue, Cooked Roulade.

Claims use since Apr. 26, 1934.

Ser. No. 358,106. JOHN MORRELL & CO., Ottumwa, Iowa. Filed Nov. 10, 1934.



For Hams, Bacon, Shoulders, Picnics, and Lard.
Claims use since January, 1877.

CLASS 47

Wines

Ser. No. 340,872. J. & G. OLDFIELD LIMITED, London, England. Filed Feb. 2, 1934.



For Wines.
Claims use since July, 1929.

Ser. No. 354,730. SIMON LEVI CO., LTD., Los Angeles, Calif. Filed Aug. 7, 1934.

Bolero

For Wines.
Claims use since July 25, 1934.

Ser. No. 357,616. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 29, 1934.

Park Plaza Club

No claim is made to the word "Club" apart from the mark.
For Port Wine.
Claims use since Sept. 1, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 355,961. COLD SPRING BREWING COMPANY, Lawrence, Mass. Filed Sept. 12, 1934.



For Ale.
Claims use since Aug. 29, 1934.

Ser. No. 357,199. KEELEY BREWING COMPANY, Chicago, Ill. Filed Oct. 17, 1934.



No claim is made to the expression "Olde Stout" apart from the mark. The drawing is lined for red and yellow.
For Beer.
Claims use since 1902.

Ser. No. 357,685. GEORGE F. STEIN BREWERY, INC., Buffalo, N. Y. Filed Oct. 30, 1934.





No claim is made to the word "Ale" apart from the mark shown.
For Ale.
Claims use since Oct. 6, 1934.

Ser. No. 358,009. F. W. COOK COMPANY, Evansville, Ind. Filed Nov. 8, 1934.

Capuchiner

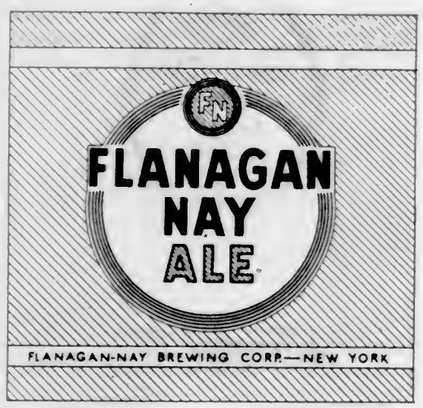
For Beer.
Claims use since Sept. 25, 1934.

Ser. No. 358,093. FLANAGAN-NAY BREWING CORPORATION, New York, N. Y. Filed Nov. 10, 1934.



Applicant disclaims the words "A Real Glass of Beer" and "New York" apart from the mark as shown.
For Beer.
Claims use since Oct. 5, 1934.

Ser. No. 358,094. FLANAGAN-NAY BREWING CORPORATION, New York, N. Y. Filed Nov. 10, 1934.



No rights are asserted to the exclusive use of the words "Ale, New York", apart from the mark.
For Ale.
Claims use since Oct. 5, 1934.

Ser. No. 358,113. SALEM BREWERY ASSOCIATION, Salem, Oreg. Filed Nov. 10, 1934.



For Beer.
Claims use since 1903.

Ser. No. 358,185. LOCKPORT BREWING COMPANY, Lock Haven, Pa. Filed Nov. 13, 1934.

Goldenlock

For Beer, Ale, and Porter.
Claims use since Oct. 1, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 342,936. ALBERT M. HANAUER, Pittsburgh, Pa. Filed Oct. 24, 1933. Under 10-year proviso.



For Rye Whiskey.
Claims use since June 1, 1893.

Ser. No. 342,938. ALBERT M. HANAUER, Pittsburgh, Pa. Filed Oct. 24, 1933. Under 10-year proviso.



For Malt Whiskey.
Claims use since June 1, 1893.

Ser. No. 344,130. JOSÉ ARECHABALA, S. A., Cardenas, Cuba. Filed Nov. 25, 1933.

SIR FRANCIS

For Ethyl Alcohol, Rums, Brandies, and Cognacs.
Claims use since Nov. 3, 1933.

Ser. No. 344,829. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Dec. 12, 1933.

YORKTOWN



Applicant disclaims the word "Yorktown" apart from the mark.
For Gin.
Claims use since Dec. 6, 1933.

Ser. No. 345,955. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Jan. 12, 1934.

Tres cepas

For Brandies.
Claims use since Mar. 7, 1928.

Ser. No. 345,962. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Jan. 12 1934.



Applicant makes no claim to the wording excepting the terms "Domecq's", "Tres Cepas", and "Pedro Domecq" apart from the mark.
For Brandies.
Claims use since Nov. 21, 1933.

Ser. No. 349,031. PEDEFLOUS & COMPAÑIA AND ARCHAMBEAUD FRERES, Buenos Aires, Argentina, and Bordeaux, France. Filed Mar. 23, 1934.



Applicant disclaims the representation of the bottle and all wording with the exception of the name of the applicant and the words "the antelope", but claims the relative arrangement of the mark as shown.
For Alcoholic Bitters.
Claims use since 1895.

Ser. No. 349,388. WEINBRENNEREI VORM. GEBRÜDER MACHOLL MÜNCHEN G. M. B. H., Munich, Germany. Filed Mar. 31, 1934.

MACHOLL

For Distilled Alcoholic Liquors—Namely, Whisky, Brandy, Cognac, Alcoholic Bitters, and Spirits of Wine.
Claims use since 1892 on cognac, and since 1901 on remaining goods.

Ser. No. 349,932. HILL-LUTHY CO., Peoria, Ill. Filed Apr. 13, 1934.

HILL-BILLY

For Whiskey.
Claims use since Dec. 10, 1933.

Ser. No. 350,854. WILLIAM GRIGOR & SON, Inverness, Scotland. Filed May 3, 1934.

MALVODRICH



WHISKY

The Favourite Highland.

No claim is made to the words "Rare Pure Malt Whisky" and "The Favourite Highland."
For Whisky.
Claims use since 1925.

Ser. No. 353,046. VVE. LOUIS EDOUARD REQUIER, Perigueux, France. Filed June 22, 1934. Under 10-year proviso.

LA GAULOISE

LIQUEUR HYGIÉNIQUE

R Requier

A PÉRIGUEUX

DEPOSE 24 6 30

Medaille d'Or, Exposition Universelle, Paris 1889
HORS CONCOURS
Membre du Jury Exposition Universelle Paris 1900

For Alcoholic Cordials.
Claims use since 1861.

Ser. No. 354,405. JOSÉ MARIA DE HOYOS Y VINENT, Jerez de la Frontera, Spain. Filed July 28, 1934.

N. P. U.

For Brandies.
Claims use since 1907.

Ser. No. 356,685. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 3, 1934.

Bloomdale

For Whiskey.
Claims use since Sept. 13, 1934.

Ser. No. 356,749. JOHN A. WATHEN DISTILLERY CO., Louisville, and Lebanon, Ky. Filed Oct. 3, 1934.

OLD KENTUCKY HOME

For Whiskey.
Claims use since May 15, 1934.

Ser. No. 356,838. ALBERT M. HANAUER, Pittsburgh, Pa. Filed Oct. 6, 1934. Under 10-year proviso.

OLD BRIDGEPORT

For Whiskey.
Claims use since June 1, 1893.

Ser. No. 357,087. BON TON, INCORPORATED, Chicago, Ill. Filed Oct. 13, 1934.

TRADER HORN

The name "Trader Horn" as used herein is fanciful.
For Whiskey.
Claims use since Sept. 19, 1934.

Ser. No. 357,275. DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.



Alexander Hamilton

The portrait is that of Alexander Hamilton, Colonial statesman.
For Whiskey.
Claims use since Dec. 15, 1933.

Ser. No. 357,292. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

La Boheme



For Alcoholic Cherry, Blackberry, Orange, Apricot, Raspberry, Strawberry, Peach, Banana, and Prunelle Liqueurs.
Claims use since Dec. 13, 1933.

Ser. No. 357,293. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.

LEILA

For Brandy, Alcoholic Cocktails, Cordials, Liqueurs, Punches, and Bitters; Gin, Rum, and Vodka.
Claims use since Dec. 13, 1933.

Ser. No. 357,296. LIONEL DISTILLED PRODUCTS, INC., Chicago, Ill. Filed Oct. 19, 1934.



Merrie England

The word "England" is disclaimed apart from the mark as shown.
For Gin.
Claims use since Dec. 13, 1933.

Ser. No. 357,435. GOODMAN & BEER CO. INC., New Orleans, La. Filed Oct. 23, 1934.

Sparton

The drawing is lined for red.
For Whiskey.
Claims use since July 14, 1934.

Ser. No. 357,495. KIEFER-STEWART CO., Indianapolis, Ind. Filed Oct. 25, 1934. Under 10-year proviso.

OLD CUMMINS

For Whiskey.
Claims use since 1884.

Ser. No. 357,615. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 29, 1934.

Park Plaza Club

No claim is made to the word "Club" apart from the mark as shown.
For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,712. CLOVER LEAF PRODUCTS CO., Los Angeles, Calif. Filed Oct. 31, 1934.

Catalina

For Whiskey.
Claims use since Sept. 1, 1934.

Ser. No. 357,881. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Nov. 3, 1934.



Applicant disclaims the word "Brand".
For Whiskey.
Claims use since January, 1934.

Ser. No. 357,958. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Nov. 6, 1934.

VALLEY BROOK

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 14, 1934.

Ser. No. 358,018. HENRY KELLY & SONS, INC., New York, N. Y. Filed Nov. 8, 1934.

Royal Regent

For Gin.
Claims use since July 2, 1934.

Ser. No. 358,032. JOHN A. WATHEN DISTILLERY CO., INC., Louisville, Ky. Filed Nov. 8, 1934.

IDLE HOUR

For Whiskey.
Claims use since Oct. 16, 1934.

Ser. No. 358,044. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J. Filed Nov. 9, 1934.

"The Sign of ◯ Good Taste"

For Whiskey, Gin, Brandy, Alcoholic Cordials, and Liqueurs.
Claims use since Oct. 15, 1934.

Ser. No. 358,061. OLD JORDAN—OLD '76 DISTILLERY CO., INC., Covington, Ky. Filed Nov. 9, 1934.

Woodland

For Whisky.
Claims use since 1880.

Ser. No. 358,122. BUSHMILL WINE & PRODUCTS COMPANY, INC., Scranton, Pa. Filed Nov. 12, 1934.

PENNWOOD

For Whiskey, Gins, and Brandies.
Claims use since Oct. 13, 1934.

Ser. No. 358,134. GREENSPAN BROS. CO., Perth Amboy, N. J. Filed Nov. 12, 1934.

SPOTLITE

For Whisky.
Claims use since Oct. 30, 1934.

Ser. No. 358,187. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Filed Nov. 13, 1934.

OLD JOE SMILES

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 17, 1934.

Ser. No. 358,223. SAZERAC COMPANY, INCORPORATED, New Orleans, La. Filed Nov. 14, 1934.

FORGET-ME-NOT



For Whiskey.
Claims use since Sept. 15, 1934.

Ser. No. 358,234. ATLANTIC WINE & LIQUOR CORPORATION, Brooklyn, N. Y. Filed Nov. 15, 1934.

James River

For Whiskey.
Claims use since Sept. 21, 1934.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 353,715. HOOD RUBBER COMPANY, INC., Wilmington, Del., and Watertown, Mass. Filed July 10, 1934.

Arrabuk

For Sheet Material Comprising Rubber and Fiber.
Claims use since Jan. 5, 1934.

Ser. No. 357,531. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 26, 1934.

KLARIFOIL

For Transparent or Translucent Cellulose Derivative Wrapping and Packing Material.
Claims use since Oct. 25, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 18, 1934

CARNEGIE INSTITUTE OF TECHNOLOGY

319,986. LADIES' AND CHILDREN'S DRESSES. MODES AND FABRICS, INC., New York, N. Y.
Filed August 7, 1934. Serial No. 354,731. PUBLISHED OCTOBER 9, 1934. Class 39.

319,987. CIGARS. J. MAZER SONS CIGAR COMPANY, Detroit, Mich.
Filed August 8, 1934. Serial No. 354,772. PUBLISHED OCTOBER 9, 1934. Class 17.

319,988. PERFUMES. SCHIAPARELLI S. A., Paris, France.
Filed August 6, 1934. Serial No. 354,703. PUBLISHED OCTOBER 2, 1934. Class 6.

319,989. PERFUMES. SCHIAPARELLI S. A., Paris, France.
Filed August 6, 1934. Serial No. 354,704. PUBLISHED OCTOBER 2, 1934. Class 6.

319,990. PERFUMES. SCHIAPARELLI S. A., Paris, France.
Filed August 6, 1934. Serial No. 354,706. PUBLISHED OCTOBER 2, 1934. Class 6.

319,991. COTTON PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed August 7, 1934. Serial No. 354,721. PUBLISHED OCTOBER 2, 1934. Class 42.

319,992. HOSIERY. COLONIAL KNITTING MILLS, INC., Philadelphia, Pa.
Filed August 7, 1934. Serial No. 354,722. PUBLISHED OCTOBER 9, 1934. Class 39.

319,993. WOMEN'S AND MISSES' UNDERGARMENTS—NAMELY, PANTIES, SLIPS, CHEMISES, BLOOMERS, GIRDLES, CORSETS, AND BRASSIÈRES. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed August 7, 1934. Serial No. 354,736. PUBLISHED OCTOBER 2, 1934. Class 39.

319,994. NONALCOHOLIC MALTLESS SYRUPS FOR MAKING SOFT DRINKS. DAWS FRUIT CORDIALS LTD., London, England.
Filed August 8, 1934. Serial No. 354,747. PUBLISHED OCTOBER 16, 1934. Class 45.

319,995. GAME CONSISTING OF AN ILLUSTRATED CHART AND A MECHANICAL DEVICE HAVING ROTATABLE PARTS BEARING NUMBERS AND OPERATED BY A LEVER. HOUSE OF GADGETS, INC., New York, N. Y.
Filed August 8, 1934. Serial No. 354,750. PUBLISHED OCTOBER 9, 1934. Class 22.

319,996. BELTS FOR OUTER WEAR. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed August 8, 1934. Serial No. 354,768. PUBLISHED OCTOBER 2, 1934. Class 39.

319,997. BATHING SUITS AND TRUNKS. RUGBY KNITTING MILLS, INC., Buffalo, N. Y.
Filed August 8, 1934. Serial No. 354,769. PUBLISHED OCTOBER 9, 1934. Class 39.

319,998. CANNED MUSHROOMS. MICHIGAN MUSHROOM COMPANY, Denver, Colo., and Niles, Mich.
Filed August 8, 1934. Serial No. 354,770. PUBLISHED OCTOBER 9, 1934. Class 46.

319,999. PERIODICAL. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed August 8, 1934. Serial No. 354,776. PUBLISHED OCTOBER 9, 1934. Class 38.

320,000. COTTON, SILK, WOOLEN, AND RAYON PIECE GOODS. VELVERAY CORPORATION OF AMERICA, New York, N. Y., and Fall River, Mass.
Filed August 8, 1934. Serial No. 354,779. PUBLISHED OCTOBER 2, 1934. Class 42.

320,001. COTTON, SILK, WOOLEN, AND RAYON PIECE GOODS. VELVERAY CORPORATION OF AMERICA, New York, N. Y., and Fall River, Mass.
Filed August 8, 1934. Serial No. 354,780. PUBLISHED OCTOBER 2, 1934. Class 42.

320,002. COTTON PIECE GOODS—NAMELY, ORGANDY. VELVERAY CORPORATION OF AMERICA, New York, N. Y., and Fall River, Mass.
Filed August 8, 1934. Serial No. 354,781. PUBLISHED OCTOBER 2, 1934. Class 42.

320,003. MEDICINAL MINERAL OIL AND AGAR AGAR, ELIXIR PHENOBARBITAL, NATURAL AGAR PREPARATION, MILK OF MAGNESIA, ASTRINGENT MOUTH WASH AND MOUTH AND THROAT ANTISEPTIC. WILLIAMSBURG DRUG COMPANY, Brooklyn, N. Y.
Filed August 8, 1934. Serial No. 354,785. PUBLISHED OCTOBER 9, 1934. Class 6.

320,004. GIN. GOODERHAM & WORTS LIMITED, Detroit, Mich.
Filed August 9, 1934. Serial No. 354,794. PUBLISHED OCTOBER 9, 1934. Class 49.

320,005. PAPERS AND PAPER-TUBES FOR CIGARETTES. SOCIÉTÉ ANONYME PAPIERS À CIGARETTES LE NIL, JOSEPH BARDOU & FILS, ANCIENS ETABLISSEMENTS BARDOU BROUSSAUD BONFILS & CO., Angouleme, France.
Filed August 9, 1934. Serial No. 354,812. PUBLISHED OCTOBER 9, 1934. Class 8.

320,006. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. INTERSTATE DISTILLERS, INC., Baltimore, Md.
Filed August 22, 1934. Serial No. 355,315. PUBLISHED OCTOBER 16, 1934. Class 49.

320,007. SOAPY COMPOSITION USED FOR CLEANING LINOLEUM AND SIMILAR FLOOR COVERINGS. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del.
Filed August 22, 1934. Serial No. 355,322. PUBLISHED OCTOBER 9, 1934. Class 4.

320,008. PREPARATION FOR SIZING AND FINISHING TEXTILE FIBERS AND FABRICS. PREMIER-PABST CORPORATION, Peoria Heights, Ill.
Filed August 22, 1934. Serial No. 355,327. PUBLISHED OCTOBER 9, 1934. Class 6.

320,009. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. UNITED DISTILLERS (OF AMERICA) LTD., Baltimore, Md.
Filed August 22, 1934. Serial No. 355,333. PUBLISHED OCTOBER 16, 1934. Class 49.

320,010. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. UNITED DISTILLERS (OF AMERICA) LTD., Baltimore, Md.
Filed August 22, 1934. Serial No. 355,334. PUBLISHED OCTOBER 16, 1934. Class 49.

320,011. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. UNITED DISTILLERS (OF AMERICA) LTD., Baltimore, Md.
Filed August 22, 1934. Serial No. 355,335. PUBLISHED OCTOBER 16, 1934. Class 49.

320,012. PATCHES FOR REPAIRING INNER TUBES AND TIRES. B. B. BABER, Albuquerque, N. Mex.
Filed August 23, 1934. Serial No. 355,344. PUBLISHED OCTOBER 9, 1934. Class 35.

320,013. CANNED PEAS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed August 23, 1934. Serial No. 355,362. PUBLISHED OCTOBER 16, 1934. Class 46.

320,014. INSECTICIDES. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed August 23, 1934. Serial No. 355,373. PUBLISHED OCTOBER 9, 1934. Class 6.

320,015. PAINTS, (READY-MIXED, PASTE, FORM AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS; AND PAINT, ENAMEL, VARNISH, AND LACQUER FILLERS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed August 23, 1934. Serial No. 355,374. PUBLISHED OCTOBER 9, 1934. Class 16.

320,016. BINDING TACKS AND NAILS. THE BISHOP & BABCOCK MANUFACTURING CO., Cleveland, Ohio.
Filed August 23, 1934. Serial No. 355,380. PUBLISHED OCTOBER 9, 1934. Class 13.

320,017. MACHINES FOR ROASTING COFFEE, COCOA, PEANUTS, CEREALS, ETC. JABEZ BURNS & SONS, INC., New York, N. Y.
Filed August 24, 1934. Serial No. 355,395. PUBLISHED OCTOBER 9, 1934. Class 23.

320,018. SAFETY RAZORS AND RAZOR BLADES. JOHN J. MADDEN, New York, N. Y.
Filed August 24, 1934. Serial No. 355,406. PUBLISHED OCTOBER 9, 1934. Class 23.

320,019. WRAPPING PAPER. ORCHARD PAPER CO., St. Louis, Mo.
Filed August 24, 1934. Serial No. 355,412. PUBLISHED OCTOBER 9, 1934. Class 37.

320,020. WRAPPING PAPER. ORCHARD PAPER CO., St. Louis, Mo.
Filed August 24, 1934. Serial No. 355,413. PUBLISHED OCTOBER 9, 1934. Class 37.

320,021. GIN AND WHISKEY. THE CHESAPEAKE DISTILLING AND DISTRIBUTING COMPANY, Baltimore, Md.
Filed August 24, 1934. Serial No. 355,424. PUBLISHED OCTOBER 9, 1934. Class 49.

320,022. BEER. THE LANCASTER BREWING COMPANY, Lancaster, Ohio.
Filed August 25, 1934. Serial No. 355,439. PUBLISHED OCTOBER 9, 1934. Class 48.

320,023. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed August 27, 1934. Serial No. 355,490. PUBLISHED OCTOBER 9, 1934. Class 49.

320,024. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed August 27, 1934. Serial No. 355,493. PUBLISHED OCTOBER 9, 1934. Class 49.

320,025. WHISKEY. PACIFIC BEVERAGE DISTRIBUTORS LTD., Los Angeles, Calif.
Filed August 27, 1934. Serial No. 355,496. PUBLISHED OCTOBER 9, 1934. Class 49.

320,026. WHISKEY. W. & H. WALKER, INC., Pittsburgh and Herrs Island, Pittsburgh, Pa.
Filed August 27, 1934. Serial No. 355,500. PUBLISHED OCTOBER 9, 1934. Class 49.

320,027. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed August 27, 1934. Serial No. 355,506. PUBLISHED OCTOBER 9, 1934. Class 1.

320,028. DRIED FRUITS AND DATES. HABICHT BRAUN & CO., New York, N. Y.
Filed August 28, 1934. Serial No. 355,511. PUBLISHED OCTOBER 9, 1934. Class 46.

320,029. GIN. PATTERSON & COANE, INC., Atlantic City, N. J.
Filed August 28, 1934. Serial No. 355,520. PUBLISHED OCTOBER 9, 1934. Class 49.

320,030. WHISKEY AND GIN. THE STERLING WINE AND LIQUOR CORP., St. Paul, Minn.
Filed August 28, 1934. Serial No. 355,523. PUBLISHED OCTOBER 9, 1934. Class 49.

320,031. WHISKEY. WINAND-PIKESVILLE DISTILLERY COMPANY, Baltimore, Md.
Filed August 29, 1934. Serial No. 355,552. PUBLISHED OCTOBER 9, 1934. Class 49.

320,032. DOLLS. ARRANBEE DOLL CO., New York, N. Y.
Filed August 30, 1934. Serial No. 355,559. PUBLISHED OCTOBER 9, 1934. Class 22.

320,033. BUTTER. THE GOLD COIN CREAMERY COMPANY, Denver, Colo.
Filed August 30, 1934. Serial No. 355,570. PUBLISHED OCTOBER 9, 1934. Class 46.

320,034. CIGARETTES. GODFREY PHILLIPS, LIMITED, London, England.
Filed August 30, 1934. Serial No. 355,569. PUBLISHED OCTOBER 9, 1934. Class 17.

320,035. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. MAJESTIC DISTILLING COMPANY, Baltimore, Md.
Filed August 30, 1934. Serial No. 355,573. PUBLISHED OCTOBER 16, 1934. Class 49.

320 036. WHISKEY. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind.
Filed August 30, 1934. Serial No. 355,584. PUBLISHED OCTOBER 16, 1934. Class 49.

320,037. WHISKEY. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind.
Filed August 30, 1934. Serial No. 355,585. PUBLISHED OCTOBER 16, 1934. Class 49.

320,038. WAGON, MOTOR TRUCK, AND PORTABLE PLATFORM SCALES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed August 25, 1934. Serial No. 355,445. PUBLISHED OCTOBER 9, 1934. Class 26.

320,039. GIN. UNITED SPIRIT & WINE IMPORT CORP., New York, N. Y.
Filed August 25, 1934. Serial No. 355,453. PUBLISHED OCTOBER 9, 1934. Class 49.

320,040. FURNITURE. BARKER BROS., INCORPORATED, Los Angeles, Calif.
Filed August 27, 1934. Serial No. 355,460. PUBLISHED OCTOBER 9, 1934. Class 32.

320,041. CUSHIONS, PILLOWS, AND HASSOCKS. CHARLES BLOOM, INC., New York, N. Y.
Filed August 27, 1934. Serial No. 355,461. PUBLISHED OCTOBER 9, 1934. Class 32.

320,042. TOY WAGONS AND CARRIAGES, TABLE BOARD GAMES, ETC. JOHN F. DILLE, Chicago, Ill.
Filed August 27, 1934. Serial No. 355,464. PUBLISHED OCTOBER 16, 1934. Class 22.

320,043. APPLEJACK BRANDY. DUTCHESS COUNTY CIDER CORP., Poughkeepsie, N. Y.
Filed August 27, 1934. Serial No. 355,469. PUBLISHED OCTOBER 9, 1934. Class 49.

320,044. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. IMPERIAL DISTILLING CORPORATION, Hoboken, N. J.
Filed August 27, 1934. Serial No. 355,474. PUBLISHED OCTOBER 16, 1934. Class 49.

320,045. STORAGE AND DRY BATTERIES, RADIO ACCESSORIES, ETC. ELDO H. EWALD, doing business as Allied Dealers Company, Kiester, Minn.
Filed December 30 1932. Serial No. 333,511. PUBLISHED OCTOBER 10, 1933. Class 21.

320,046. WHISKEY. THE A. SHERMAN MFG. CO., Stamford, Conn.
Filed September 11, 1934. Serial No. 355,949. PUBLISHED OCTOBER 16, 1934. Class 49.

320,047. MALT BEVERAGES HAVING AN ALCOHOLIC CONTENT NOT IN EXCESS OF THAT PERMITTED BY LAW. THE MIAMI VALLEY BREWING COMPANY, Dayton, Ohio.
Filed September 11, 1934. Serial No. 355,943. PUBLISHED OCTOBER 16, 1934. Class 48.

320,048. COTTON, SILK, WOOL, AND RAYON TEXTILE PIECE GOODS. VELVERAY CORPORATION OF AMERICA, New York, N. Y., and Fall River, Mass.
Filed November 7, 1932. Serial No. 331,908. PUBLISHED OCTOBER 9, 1934. Class 42.

320,049. SILK, COTTON, AND RAYON TEXTILE PIECE GOODS. VELVERAY CORPORATION OF AMERICA, New York, N. Y., and Fall River, Mass.
Filed November 7, 1932. Serial No. 331,967. PUBLISHED OCTOBER 9, 1934. Class 42.

320,050. COTTON, SILK, WOOLEN, AND RAYON PIECE GOODS. VELVERAY CORPORATION OF AMERICA, New York, N. Y., and Fall River, Mass.
Filed November 7, 1932. Serial No. 331,966. PUBLISHED OCTOBER 9, 1934. Class 42.

320,051. MISSES' AND LADIES' COATS. KENGLO COATS, INC., New York, N. Y.
Filed August 30, 1932. Serial No. 329,995. PUBLISHED OCTOBER 9, 1934. Class 39.

320,052. WOOD AND COAL HOT AIR FURNACES FOR HEATING BUILDINGS, AND PARTS THEREOF. KRUSE & DEWENTER COMPANY, Indianapolis, Ind.
Filed October 5, 1931. Serial No. 319,726. PUBLISHED MARCH 21, 1933. Class 34.

320,053. WHISKEY. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky.
Filed September 11, 1934. Serial No. 355,925. PUBLISHED OCTOBER 16, 1934. Class 49.

320,054. WHISKEY. WESTERN DISTILLERS CORPORATION, Los Angeles, Calif.
Filed September 10, 1934. Serial No. 355,920. PUBLISHED OCTOBER 16, 1934. Class 49.

320,055. LETTUCE. WATSONVILLE EXCHANGE INC., Watsonville, Calif.
Filed September 10, 1934. Serial No. 355,911. PUBLISHED OCTOBER 16, 1934. Class 46.

320,056. BRANDY. ST. GEORGE WINERY, doing business as St. George Winery & Distillery, Fresno, Calif.
Filed September 8, 1934. Serial No. 355,872. PUBLISHED OCTOBER 16, 1934. Class 49.

320,057. WHISKEY, GIN, RUM, APPLE JACK, BRANDY, AND ALCOHOLIC CORDIALS. STAR LIQUOR DEALERS, INC., New York, N. Y.
Filed September 8, 1934. Serial No. 355,861. PUBLISHED OCTOBER 16, 1934. Class 49.

320,058. GIN AND WHISKEY. THE CHESAPEAKE DISTILLING AND DISTRIBUTING COMPANY, Baltimore, Md.
Filed September 5, 1934. Serial No. 355,779. PUBLISHED OCTOBER 9, 1934. Class 49.

320,059. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WILLIAM L. WALKER, Athens, Ga.
Filed September 6, 1934. Serial No. 355,776. PUBLISHED OCTOBER 16, 1934. Class 45.

320,060. WHISKEY. DISTILLERS AND BREWERS PRODUCTS CORPORATION, doing business as D. and B. Products Corporation, Jersey City, N. J.
Filed September 6, 1934. Serial No. 355,758. PUBLISHED OCTOBER 9, 1934. Class 49.

320,061. WHISKEY. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J.
Filed September 6, 1934. Serial No. 355,757. PUBLISHED OCTOBER 9, 1934. Class 49.

320,062. WHISKEY. W. G. BOND, INC., Baltimore, Md.
Filed September 6, 1934. Serial No. 355,753. PUBLISHED OCTOBER 16, 1934. Class 49.

320,063. WHISKEY AND GIN. ACKER, MERRALL AND CONDIT COMPANY, New York, N. Y.
Filed September 6, 1934. Serial No. 355,748. PUBLISHED OCTOBER 9, 1934. Class 49.

320,064. MALT BEVERAGE HAVING NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. THE SUNRISE BREWING COMPANY, Cleveland, Ohio.
Filed September 5, 1934. Serial No. 355,744. PUBLISHED OCTOBER 9, 1934. Class 48.

320,065. WHISKEY. THE A. SHERMAN MFG. CO., Stamford, Conn.
Filed September 5, 1934. Serial No. 355,743. PUBLISHED OCTOBER 9, 1934. Class 49.

320,066. WHISKEY AND GIN. KIENZLER DISTILLING CORPORATION, New York, N. Y.
Filed September 5, 1934. Serial No. 355,737. PUBLISHED OCTOBER 9, 1934. Class 49.

320,067. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. INTERSTATE DISTILLERS, INC., Baltimore, Md.
Filed September 4, 1934. Serial No. 355,704. PUBLISHED OCTOBER 9, 1934. Class 49.

320,068. WHISKEY. WASHINGTON WINE & SPIRITS CORPORATION, Washington, D. C.
Filed September 4, 1934. Serial No. 355,718. PUBLISHED OCTOBER 16, 1934. Class 49.

320,069. BEER. GOBBEL BREWING CO., Detroit, Mich.
Filed September 4, 1934. Serial No. 355,702. PUBLISHED OCTOBER 16, 1934. Class 48.

320,070. GIN, WHISKEY, AND BRANDY. GOODMAN & BEER CO., INC., New Orleans, La.
Filed September 1, 1934. Serial No. 355,679. PUBLISHED OCTOBER 9, 1934. Class 49.

320,071. ALES, BEERS, LAGERS, PORTERS, AND STOUTS OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. JOHN LABATT, LIMITED, London, Ontario, Canada.
Filed September 1, 1934. Serial No. 355,678. PUBLISHED OCTOBER 9, 1934. Class 48.

320,072. GIN, WHISKEY, AND BRANDY. GOODMAN & BEER CO., INC., New Orleans, La.
Filed September 1, 1934. Serial No. 355,671. PUBLISHED OCTOBER 9, 1934. Class 49.

320,073. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed September 1, 1934. Serial No. 355,669. PUBLISHED OCTOBER 9, 1934. Class 49.

320,074. BRANDY AND WHISKEY. GEORGE BENZ SONS, INC., St. Paul, Minn.
Filed September 1, 1934. Serial No. 355,659. PUBLISHED OCTOBER 9, 1934. Class 49.

320,075. MIXED FRUIT CORDIAL. JAMES VAN DISSEN DISTILLING CO., Los Angeles, Calif.
Filed August 31, 1934. Serial No. 355,640. PUBLISHED OCTOBER 9, 1934. Class 49.

320,076. WHISKEY. J. SIMON & SONS, INC., St. Louis, Mo.
Filed August 31, 1934. Serial No. 355,644. PUBLISHED OCTOBER 9, 1934. Class 49.

320,077. WHISKEY. J. SIMON & SONS, INC., St. Louis, Mo.
Filed August 31, 1934. Serial No. 355,643. PUBLISHED OCTOBER 9, 1934. Class 49.

320,078. WHISKEY. THE A. SHERMAN MFG. CO., Stamford, Conn.
Filed August 31, 1934. Serial No. 355,639. PUBLISHED OCTOBER 9, 1934. Class 49.

320,079. WHISKEY. THE A. SHERMAN MFG. CO., Stamford, Conn.
Filed August 31, 1934. Serial No. 355,638. PUBLISHED OCTOBER 9, 1934. Class 49.

320,080. GIN. THE OWL DRUG CO., San Francisco, Calif.
Filed August 31, 1934. Serial No. 355,636. PUBLISHED OCTOBER 9, 1934. Class 49.

320,081. MEDICINAL OINTMENT, OFFERED TO ALLAY IMMEDIATE ITCHING IN ATHLETE'S FOOT, OR THE ITCH OF ECZEMIC CONDITIONS, RING WORM, POISON-OAK, CRACKED HANDS, ITCHING PILES, SOFT CORNS, CALLOUSES, SUNBURN, DANDRUFF, MINOR BURNS, AND INSECT BITES. BLACK DIAMOND, INCORPORATED, Dallas, Tex.
Filed June 11, 1934. Serial No. 352,515. PUBLISHED OCTOBER 9, 1934. Class 6.

320,082. ENGLISH FINISH, EGGSHELL TEXT AND SUPER BOOK PAPER. THE D. M. BARE PAPER COMPANY, Roaring Spring, Pa.
Filed August 17, 1934. Serial No. 355,092. PUBLISHED OCTOBER 9, 1934. Class 37.

320,083. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 15, 1934. Serial No. 355,011. PUBLISHED OCTOBER 9, 1934. Class 42.

320,084. WHISKEY. E. O. JACKSON AND COMPANY, Chicago, Ill.
Filed August 16, 1934. Serial No. 355,065. PUBLISHED OCTOBER 16, 1934. Class 49.

320,085. WHISKEY. E. O. JACKSON AND COMPANY, Chicago, Ill.
Filed August 16, 1934. Serial No. 355,067. PUBLISHED OCTOBER 16, 1934. Class 49.

320,086. FROZEN CONFECTIONS. ESKIMO PIE CORPORATION, New York, N. Y.
Filed August 18, 1934. Serial No. 355,141. PUBLISHED OCTOBER 9, 1934. Class 46.

320,087. PRODUCTS OF A RESINOUS NATURE AND INTENDED FOR ADDITION TO MIXTURES OF ESSENTIAL OILS AND AROMATIC CHEMICALS FOR THE PURPOSE OF ODOR RETENTION. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed August 18, 1934. Serial No. 355,143. PUBLISHED OCTOBER 9, 1934. Class 6.

320,088. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed August 20, 1934. Serial No. 355,173. PUBLISHED OCTOBER 9, 1934. Class 49.

320,089. FIELDER'S GLOVES, FIRST BASEMAN'S MITS, CATCHER'S MITS, CATCHER'S MASKS, BASEBALL BATS, BASEBALLS, TENNIS BALLS, TENNIS RACKETS, FOOTBALLS, AND BASKETBALLS, GOLF BALLS, GOLF CLUBS, SOCCER BALLS, HANDBALLS, FOOTBALL HELMETS. MANHATTAN NOVELTY COMPANY, New York, N. Y.
Filed August 20, 1934. Serial No. 355,223. PUBLISHED OCTOBER 16, 1934. Class 22.

320,090. OPHTHALMIC FRAMES AND MOUNTINGS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed August 21, 1934. Serial No. 355,245. PUBLISHED OCTOBER 9, 1934. Class 26.

320,091. ICE CREAM CONES. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y.
Filed August 21, 1934. Serial No. 355,260. PUBLISHED OCTOBER 9, 1934. Class 46.

320,092. WINES. HAY & SON, LIMITED, Sheffield, England.
Filed August 21, 1934. Serial No. 355,261. PUBLISHED OCTOBER 9, 1934. Class 47.

320,093. FLY SWATTERS AND FABRICS FOR FLY SWATTERS. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed August 21, 1934. Serial No. 355,277. PUBLISHED OCTOBER 9, 1934. Class 50.

320,094. MATTRESSES. A. BRANDWEIN & Co., Chicago, Ill.
Filed August 22, 1934. Serial No. 355,292. PUBLISHED OCTOBER 9, 1934. Class 32.

320,095. FLOUR, PARTICULARLY WHEAT FLOUR. FARM SERVICE STORES, INC., Minneapolis, Minn.
Filed August 22, 1934. Serial No. 355,304. PUBLISHED OCTOBER 9, 1934. Class 46.

320,096. BEER. HAAKE-BECK BRAUEREI AKTIENGESELLSCHAFT, Bremen, Germany.
Filed August 14, 1934. Serial No. 354,988. PUBLISHED OCTOBER 16, 1934. Class 48.

320,097. WHISKEY. THE CALVERT DISTILLING COMPANY, Relay, Md.
Filed August 10, 1934. Serial No. 354,836. PUBLISHED OCTOBER 9, 1934. Class 49.

320,098. WHISKEY. THE CALVERT DISTILLING COMPANY, Relay, Md.
Filed August 10, 1934. Serial No. 354,837. PUBLISHED OCTOBER 9, 1934. Class 49.

320,099. STENCILS AND STENCIL PAPER. A. B. DICK COMPANY, Chicago, Ill.
Filed August 10, 1934. Serial No. 354,842. PUBLISHED OCTOBER 9, 1934. Class 37.

320,100. SPUN RAYON YARN. INDUSTRIE GESELLSCHAFT FÜR SCHAPPE, Basel, Switzerland.
Filed August 10, 1934. Serial No. 354,847. PUBLISHED OCTOBER 9, 1934. Class 43.

320,101. SHAVING CREAM, TOILET SOAPS, BATH SOAPS, SHAVING SOAPS. PAUL PETER MÜLHENS, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gengenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany.
Filed August 10, 1934. Serial No. 354,853. PUBLISHED OCTOBER 9, 1934. Class 4.

320,102. CANNED FRUITS, CANNED VEGETABLES, CANNED SOUPS, JELLIES, FRUIT PRESERVES, GELATINE, FRUIT JUICES FOR FOOD PURPOSES, TEA, COFFEE, PICKLES, OLIVES, OLIVE OIL, PEANUT BUTTER, MAPLE SYRUP, AND MAYONNAISE. WOODWARD & LOTHROP, Washington, D. C.
Filed August 10, 1934. Serial No. 354,882. PUBLISHED OCTOBER 16, 1934. Class 46.

320,103. WHISKEY. M. S. GRIFFLER IMPORT CO., INC., New York, N. Y.
Filed August 13, 1934. Serial No. 354,931. PUBLISHED OCTOBER 16, 1934. Class 49.

320,104. FRESH DECIDUOUS FRUITS AND RAW MILK. CHARLES E. COTTING, doing business as Chedco Farm, Berlin and Boston, Mass.
Filed August 14, 1934. Serial No. 354,974. PUBLISHED OCTOBER 9, 1934. Class 46.

320,105. RUM. FERNANDO DE LA GUARDIA, doing business as Ynchausti & Co., New York, N. Y.
Filed August 14, 1934. Serial No. 354,979. PUBLISHED OCTOBER 16, 1934. Class 49.

320,106. PREPARATION FOR TREATING DANDRUFF AND PROMOTING THE GROWTH OF HAIR, AND TOILET CREAMS. BELLA FRIED, doing business as Protege Cosmetics Co., Brooklyn, N. Y.
Filed August 14, 1934. Serial No. 354,985. PUBLISHED OCTOBER 9, 1934. Class 6.

320,107. TEMPERA OR SHOW-CARD COLORS, WATER COLORS, AND EASEL PAINT. J. L. HAMMETT COMPANY, Cambridge, Mass., and Newark, N. J.
Filed August 14, 1934. Serial No. 354,993. PUBLISHED OCTOBER 9, 1934. Class 16.

320,108. BIRD FOOD. SPRATT'S PATENT (AMERICA) LIMITED, London, England, and Newark, N. J.
Filed July 17, 1934. Serial No. 354,007. PUBLISHED OCTOBER 9, 1934. Class 46.

320,109. HAIR DRESSING. HARRY J. EIDEN, doing business as La Dell Manufacturing Company, Birmingham, Ala.
Filed July 18, 1934. Serial No. 354,033. PUBLISHED OCTOBER 2, 1934. Class 6.

320,110. MEDICINES FOR THE TREATMENT OF CALLOUS AND CORN GROWTH, AND FOR THE TREATMENT OF ECZEMA, AND FOR ATHLETE'S FEET, AND FOR USE AS A TREATMENT FOR INGROWN NAILS AND BUNIONS. MARTHA O. INGRAM, Detroit, Mich.
Filed July 18, 1934. Serial No. 354,042. PUBLISHED OCTOBER 9, 1934. Class 6.

320,111. WHISKEY. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J.
Filed July 20, 1934. Serial No. 354,112. PUBLISHED OCTOBER 16, 1934. Class 49.

320,112. ADHESIVE PLASTER. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed July 20, 1934. Serial No. 354,122. PUBLISHED OCTOBER 9, 1934. Class 44.

320,113. POWDERED SKIMMED MILK FOR USE BY BAKERS, CONFECTIONERS, AND ICE CREAM MANUFACTURERS. M & R DIETETIC LABORATORIES INC., Columbus, Ohio.
Filed July 20, 1934. Serial No. 354,130. PUBLISHED OCTOBER 9, 1934. Class 46.

320,114. BATH SALTS. ALICE MARTIN CORPORATION, New York, N. Y.
Filed July 21, 1934. Serial No. 354,163. PUBLISHED OCTOBER 9, 1934. Class 6.

320,115. COMPOSITION FOR DESTROYING MOTH LARVAE. SYDNEY B. DUNN, Philadelphia, Pa.
Filed July 23, 1934. Serial No. 354,193. PUBLISHED OCTOBER 9, 1934. Class 6.

320,116. WINE. THRIFTY DRUG CO. LTD., doing business as Thrifty Drug Stores, Los Angeles, Calif.
Filed June 25, 1934. Serial No. 353,158. PUBLISHED OCTOBER 9, 1934. Class 47.

320,117. LADIES' AND MISSES' DRESSES. LEO FINKENBERG, New York, N. Y.
Filed June 26, 1934. Serial No. 353,170. PUBLISHED OCTOBER 9, 1934. Class 39.

320,118. VEGETABLE OIL, FOR SALAD AND COOKING USE. B. FILIPPONE & COMPANY, INC., Passaic, N. J.
Filed June 27, 1934. Serial No. 353,213. PUBLISHED OCTOBER 9, 1934. Class 46.

320,119. PRINTED BOOKS. NOBLE AND NOBLE, New York, N. Y.
Filed June 27, 1934. Serial No. 353,253. PUBLISHED OCTOBER 9, 1934. Class 38.

320,120. WHISKY. IAN WILLIAM HUNTER, doing business as D. Johnston & Company, Port Ellen, Isle of Islay, Scotland.
Filed June 28, 1934. Serial No. 353,275. PUBLISHED OCTOBER 9, 1934. Class 49.

320,121. HEALING OINTMENT, PERFUMERY, PREPARATIONS FOR THE SKIN AND HAIR, AND DENTIFRICES. MILTON PROPRIETARY LIMITED, London, England.
Filed June 30, 1934. Serial No. 353,401. PUBLISHED OCTOBER 9, 1934. Class 6.

320,122. SECTION OF A MAGAZINE. DOMESTIC ENGINEERING COMPANY, Chicago, Ill.
Filed July 3, 1934. Serial No. 353,469. PUBLISHED OCTOBER 9, 1934. Class 38.

320,123. CANDIES IN SOLID FORM. HENRY HEIDE, INCORPORATED, New York, N. Y.
Filed July 3, 1934. Serial No. 353,476. PUBLISHED OCTOBER 16, 1934. Class 46.

320,124. CIGARETTES. PEPO J. PARACHINI, doing business as J. Pepo Parachini, New York, N. Y.
Filed May 16, 1934. Serial No. 351,426. PUBLISHED OCTOBER 9, 1934. Class 17.

320,125. ARTICLES OF CLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMELY, MEN'S SUITS, NECKTIES, UNDERSHIRTS, DRESS AND NEGLIGEE SHIRTS, SWEATERS; WOMEN'S APPAREL—NAMELY, SUITS, SKIRTS FOR OUTER WEAR AND UNDERSKIRTS, DRESSES, SLIPS, CORSETS, UNDERWEAR, SCARFS, GLOVES OF ALL KINDS. SOCIÉTÉ DU GANT TORPEDO, Villeurbanne, France.
Filed May 16, 1934. Serial No. 351,437. PUBLISHED OCTOBER 2, 1934. Class 39.

320,126. BEER CLARIFIERS. JACQUES WOLF & CO., Clifton, N. J.
Filed May 19, 1934. Serial No. 351,597. PUBLISHED OCTOBER 9, 1934. Class 48.

320,127. ALCOHOLIC CORDIALS. SOCIETÀ IN ACCOMANDITA SEMPLICE A. PERTICUCCI & FIGLI, Milan, Italy.
Filed May 24, 1934. Serial No. 351,828. PUBLISHED OCTOBER 16, 1934. Class 49.

320,128. WINES. SCHENLEY WINE & SPIRIT IMPORT CORPORATION, New York, N. Y.
Filed May 25, 1934. Serial No. 351,876. PUBLISHED OCTOBER 9, 1934. Class 47.

320,129. SEDATIVE CHEWING GUM. REX B. SHELEY, doing business as My Rx Laboratories, Washington, D. C.
Filed May 25, 1934. Serial No. 351,880. PUBLISHED OCTOBER 9, 1934. Class 6.

320,130. WINES. BATTISTA CELLA, doing business as Roma Wine Company, Lodi, Calif.
Filed May 28, 1934. Serial No. 351,964. PUBLISHED OCTOBER 9, 1934. Class 47.

320,131. NARROW ELASTIC WEBBING MADE WITH EITHER COTTON, RAYON, OR SILK. THE AMERICAN MILLS COMPANY, West Haven, Conn.
Filed May 29, 1934. Serial No. 352,021. PUBLISHED OCTOBER 2, 1934. Class 40.

320,132. WINES—NAMELY, SHERRY, RIESLING, MUSCATEL, PORT, CLARET, CHABLIS, HAUT SAUTERNES, BURGUNDY, AND TOKAY. CRESCA COMPANY, INCORPORATED, New York, N. Y.
Filed May 31, 1934. Serial No. 352,070. PUBLISHED AUGUST 28, 1934. Class 47.

320,133. LACE FABRICS IN THE PIECE COMPOSED OF SILK, LINEN, COTTON, AND RAYON THREADS, OR COMBINATIONS OF SAID THREADS. LACE NET IMPORTING CO. INC., New York, N. Y.
Filed June 2, 1934. Serial No. 352,192. PUBLISHED OCTOBER 9, 1934. Class 42.

320,134. FRESH CITRUS FRUIT. REDLANDS HEIGHTS GROVES, INC., Redlands, Calif.
Filed June 4, 1934. Serial No. 352,267. PUBLISHED OCTOBER 16, 1934. Class 46.

320,135. WATERPROOF FABRICS—NAMELY, COATED TEXTILE RAINCOAT FABRICS. COOLEY FINISHING COMPANY, Pawtucket, R. I.
Filed June 6, 1934. Serial No. 352,300. PUBLISHED OCTOBER 9, 1934. Class 42.

320,136. PRODUCT FOR WATER TREATMENT TO PREVENT THE SCALE AND CORROSION IN BOILERS, SCALE AND CORROSION IN DOMESTIC WATER LINES AND WATER HEATERS, DIESEL ENGINE WATER JACKETS, AND TREATMENT OF BRINE SOLUTIONS TO PREVENT CORROSION. W. F. LAMBIN, doing business as Lambin and Company, Chicago, Ill.
Filed June 11, 1934. Serial No. 352,543. PUBLISHED OCTOBER 2, 1934. Class 6.

320,137. BOTTLED PROPANE GAS FOR COMMERCIAL AND DOMESTIC USE. FUELANE CORPORATION, Liberty, N. Y.
Filed June 12, 1934. Serial No. 352,575. PUBLISHED OCTOBER 9, 1934. Class 6.

320,138. BRANDY AND ALCOHOLIC CORDIALS. OLD MONK OLIVE OIL CO., Chicago, Ill.
Filed June 15, 1934. Serial No. 352,753. PUBLISHED OCTOBER 9, 1934. Class 49.

320,139. COMPOUND FOR SEALING LEAKS IN RADIATORS. LEOPOLD WIMMER, doing business as Continental Specialties Manufacturing Company, Muskegon, Mich, and Sarnia, Ontario, Canada.
Filed June 15, 1934. Serial No. 352,766. PUBLISHED OCTOBER 9, 1934. Class 6.

320,140. NATURAL, SPARKLING, AND MINERAL WATERS. INDIAN MINERAL WELLS, INC., St. Matthews, Ky.
Filed June 18, 1934. Serial No. 352,823. PUBLISHED OCTOBER 16, 1934. Class 45.

320,141. MISSES' WINDPROOF AND WATER-REPELLENT SUITS KNOWN AS SAILING, BOATING, FISHING, AND BEACH WEAR SUITS. B. F. MOORE & COMPANY, Newport, Vt.
Filed June 18, 1934. Serial No. 352,827. PUBLISHED OCTOBER 9, 1934. Class 39.

320,142. FOODS—NAMELY, CANNED FRUITS, CANNED VEGETABLES, AND SANDWICH SPREAD. CARL E. NESBITT, doing business as Nash-Finch Company, Pawhuska, Okla.
Filed June 18, 1934. Serial No. 352,832. PUBLISHED SEPTEMBER 25, 1934. Class 46.

320,143. BRANDY. PACIFIC DISTILLERS CORPORATION, San Francisco, Calif.
Filed December 30, 1933. Serial No. 345,507. PUBLISHED OCTOBER 9, 1934. Class 49.

320,144. WHISKEY, BRANDY, GIN, AND OTHER POTABLE DISTILLED SPIRITS. EMPRESAS IBERICAS, S. A., Basel, Switzerland.
Filed January 8, 1934. Serial No. 345,758. PUBLISHED OCTOBER 16, 1934. Class 49.

320,145. CANDY. PAUL F. BEICH COMPANY, Bloomington, Ill.
Filed January 19, 1934. Serial No. 346,227. PUBLISHED JULY 3, 1934. Class 46.

320,146. PIGMENTED OR CLEAR RESINOUS COATING MATERIAL IN LIQUID OR PLASTIC FORM. STONER-MUDGE, INC., Pittsburgh, Pa.
Filed January 25, 1934. Serial No. 346,533. PUBLISHED OCTOBER 9, 1934. Class 16.

320,147. WINES. WIDMER'S WINE CELLARS, INC., Naples, N. Y.
Filed January 31, 1934. Serial No. 346,798. PUBLISHED OCTOBER 9, 1934. Class 47.

320,148. WHEAT FLOUR. COMMANDER-LARABEE CORPORATION, Minneapolis, Minn.
Filed February 16, 1934. Serial No. 347,439. PUBLISHED JULY 10, 1934. Class 46.

320,149. WINES. MAISON F. CHAUVENET S. A., Nuits-St-Georges, France.
Filed February 20, 1934. Serial No. 347,620. PUBLISHED OCTOBER 9, 1934. Class 47.

320,150. WINES. MAISON F. CHAUVENET S. A., Nuits-St-Georges, France.
Filed February 20, 1934. Serial No. 347,622. PUBLISHED OCTOBER 9, 1934. Class 47.

320,151. AEROPLANES AND PARTS THEREOF EXCLUSIVE OF HYDRAULIC BRAKES OR BRAKING EQUIPMENT NOT IN OTHER CLASSES. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed February 21, 1934. Serial No. 347,690. PUBLISHED JUNE 26, 1934. Class 19.

320,152. HOSIERY. VIRGINIA MAID HOSIERY MILLS, INC., Pulaski, Va.
Filed February 23, 1934. Serial No. 347,764. PUBLISHED OCTOBER 9, 1934. Class 30.

320,153. RUM. JUSTO GONZALEZ Y CIA., S. A., Habana, Cuba.
Filed March 9, 1934. Serial No. 348,381. PUBLISHED OCTOBER 9, 1934. Class 49.

320,154. LIQUOR PREPARED FROM HERBS WITH DISTILLED SPIRITS. J. MARION LEGENDRE, doing business as Legendre & Company, New Orleans, La.
Filed March 20, 1934. Serial No. 348,885. PUBLISHED OCTOBER 9, 1934. Class 49.

320,155. ALCOHOLIC CORDIALS. ARROW DISTILLERIES, INC., Detroit, Mich.
Filed April 23, 1934. Serial No. 350,313. PUBLISHED OCTOBER 16, 1934. Class 49.

320,156. DRY GRANULAR PREPARATION OF YEAST IN CAPSULE FORM, FOR THE PURPOSE OF FORTIFYING THE DIET WITH VITAMINS B AND G AND EMBRACING IN ITS PROPERTIES A MILD LAXATIVE ACTION. GEORGE L. MCCARTY, doing business as Yeastena Yeast Company, Washington, D. C.
Filed April 27, 1934. Serial No. 350,588. PUBLISHED JULY 31, 1934. Class 6.

320,157. PREPARATION FOR RELIEF OF EARACHES. WILLIAM H. BOWDOIN, doing business as The Earease Co., Stratham, Ga.
Filed April 28, 1934. Serial No. 350,618. PUBLISHED JUNE 19, 1934. Class 6.

320,158. HAIR TONIC. OLIVIO GILIO, Bayonne, N. J.
Filed May 2, 1934. Serial No. 350,823. PUBLISHED OCTOBER 9, 1934. Class 6.

320,159. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. FRANKLIN STORES CO., Newark, N. J.
Filed May 8, 1934. Serial No. 351,061. PUBLISHED OCTOBER 16, 1934. Class 49.

320,160. CLOCKS. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed May 8, 1934. Serial No. 351,093. PUBLISHED OCTOBER 9, 1934. Class 27.

320,161. JAPANESE BREWED SAKE (SA'KĒ). KABUSHIKIKAISHA HONKANO SHOTEN, Mikage-Machi, Muko-Gun, Hyogo-Ken, Japan.
Filed May 11, 1934. Serial No. 351,213. PUBLISHED OCTOBER 9, 1934. Class 48.

320,162. GIN AND WHISKEY. FAIRFIELD LIQUOR COMPANY, Stamford, Conn.
Filed May 12, 1934. Serial No. 351,262. PUBLISHED OCTOBER 16, 1934. Class 49.

320,163. CEREAL BREAKFAST FOOD. CAMPBELL CEREAL COMPANY, Northfield, Minn.
Filed August 21, 1933. Serial No. 340,863. PUBLISHED OCTOBER 16, 1934. Class 46.

320,164. WHISKEY, BRANDY, GIN, AND OTHER POTABLE DISTILLED SPIRITS. THE GEO. T. STAGG CO., Frankfort, Ky.
Filed September 2, 1933. Serial No. 341,308. PUBLISHED OCTOBER 24, 1933. Class 49.

320,165. PUTTY AND PUTTY SOLUTION. WERNER PAINT COMPANY, Hoboken, N. J.
Filed September 6, 1933. Serial No. 341,381. PUBLISHED OCTOBER 9, 1934. Class 16.

320,166. WHISKEY. RECORDS & GOLDSBOROUGH, Baltimore, Md.
Filed June 27, 1933. Serial No. 339,284. PUBLISHED AUGUST 1, 1933. Class 49.

320,167. CHEESE. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed September 22, 1933. Serial No. 341,786. PUBLISHED OCTOBER 9, 1934. Class 46.

320,168. CONCENTRATED ARTIFICIAL FLOWER OILS. SOCIETE ANONYME DES ETABLISSEMENTS, ROURE-BERTRAND FILS & JUSTIN DUPONT, Paris, France.
Filed September 30, 1933. Serial No. 342,044. PUBLISHED OCTOBER 2, 1934. Class 6.

320,169. CONCENTRATED ARTIFICIAL FLOWER OILS. SOCIETE ANONYME DES ETABLISSEMENTS, ROURE-BERTRAND FILS & JUSTIN DUPONT, Paris, France.
Filed September 30, 1933. Serial No. 342,045. PUBLISHED OCTOBER 2, 1934. Class 6.

320,170. CONCENTRATED ARTIFICIAL FLOWER OILS. SOCIETE ANONYME DES ETABLISSEMENTS, ROURE-BERTRAND FILS & JUSTIN DUPONT, Paris, France.
Filed September 30, 1933. Serial No. 342,046. PUBLISHED OCTOBER 2, 1934. Class 6.

320,171. CONCENTRATED ARTIFICIAL FLOWER OILS. SOCIETE ANONYME DES ETABLISSEMENTS, ROURE-BERTRAND FILS & JUSTIN DUPONT, Paris, France.
Filed September 30, 1933. Serial No. 342,047. PUBLISHED OCTOBER 2, 1934. Class 6.

320,172. APPLE JUICE. BIERBRAUEREI STEINHÖLZLI A.-G., Steinholzli, Switzerland.
Filed October 4, 1933. Serial No. 342,123. PUBLISHED OCTOBER 9, 1934. Class 45.

320,173. DISTILLED ALCOHOLIC COCKTAILS. TANQUERAY, GORDON & CO. LIMITED, London, England.
Filed October 11, 1933. Serial No. 342,366. PUBLISHED DECEMBER 12, 1933. Class 49.

320,174. COTTON VOILE IN THE PIECE. W. E. MCKAY & CO., INC., New York, N. Y.
Filed October 20, 1933. Serial No. 342,701. PUBLISHED JANUARY 16, 1934. Class 42.

320,175. FRESH FISH, FROZEN FISH. WHIZ FISH PRODUCTS, INC., Seattle, Wash.
Filed November 20, 1933. Serial No. 343,895. PUBLISHED APRIL 10, 1934. Class 46.

320,176. WHISKEY AND OTHER POTABLE DISTILLED SPIRITS. SCHENLEY PRODUCTS COMPANY, New York, N. Y.
Filed November 23, 1933. Serial No. 344,063. PUBLISHED JANUARY 9, 1934. Class 49.

320,177. WHISKY. BULLOCH LADE & COMPANY LIMITED, Glasgow, Scotland.
Filed December 2, 1933. Serial No. 344,386. PUBLISHED OCTOBER 9, 1934. Class 49.

320,178. WALL PAPER. STAR-PEERLESS WALL PAPER MILLS, Chicago, Ill.
Filed July 5, 1934. Serial No. 353,555. PUBLISHED OCTOBER 9, 1934. Class 37.

320,179. LACE FABRICS IN THE PIECE. ZEKARIA BROTHERS, New York, N. Y.
Filed July 6, 1934. Serial No. 353,590. PUBLISHED OCTOBER 9, 1934. Class 42.

320,180. SALVES AND LINIMENTS FOR THE TREATMENT OF ACHES, PAINS, SORES, INFLAMMATIONS, IRRITATIONS, AND CONGESTIONS. FRED E. PHILLIPS, Tacoma, Wash.
Filed July 10, 1934. Serial No. 353,726. PUBLISHED OCTOBER 2, 1934. Class 6.

320,181. COAL. SOUTHERN COAL COMPANY, Memphis, Tenn.
Filed July 10, 1934. Serial No. 353,733. PUBLISHED OCTOBER 9, 1934. Class 1.

320,182. RAT, MOUSE, AND GOPHER POISON. L. G CHEMICAL COMPANY, Council Bluffs, Iowa.
Filed July 9, 1934. Serial No. 353,742. PUBLISHED OCTOBER 9, 1934. Class 6.

320,183. PREPARATION USED EXTERNALLY IN THE TREATMENT OF INSECT BITES, POISON IVY, AND ITCHING CONDITIONS OF THE SKIN. HEMAN GRANT, doing business as Killbite Products Company, Detroit, Mich.
Filed July 11, 1934. Serial No. 353,757. PUBLISHED OCTOBER 9, 1934. Class 6.

320,184. SHEETS, PILLOW-CASES AND BED SPREADS. KAPLAN BROTHERS, New York, N. Y.
Filed July 11, 1934. Serial No. 353,760. PUBLISHED OCTOBER 9, 1934. Class 42.

320,185. MONTHLY PUBLICATION. STAR COMPANY, New York, N. Y.
Filed July 11, 1934. Serial No. 353,774. PUBLISHED OCTOBER 9, 1934. Class 38.

320,186. CUT LENGTHS OF RIBBON, RIBBON ROSETTES, AND HAIR RIBBONS SOLD IN CUT LENGTHS. BUCHET FILS ET CHARLES COLCOMBET, Lyon, France.
Filed July 13, 1934. Serial No. 353,845. PUBLISHED OCTOBER 2, 1934. Class 40.

320,187. PERFUMES. PARFUMS RONNI, INC., New York, N. Y.
Filed July 13, 1934. Serial No. 353,860. PUBLISHED OCTOBER 9, 1934. Class 6.

320,188. ALIMENTARY PASTES—NAMELY, MACARONI, SPAGHETTI, NOODLES, AND THE LIKE. COLUMBIA MACARONI MANUFACTURING COMPANY, INC., New Orleans, La.
Filed July 14, 1934. Serial No. 353,882. PUBLISHED OCTOBER 9, 1934. Class 46.

320,189. WOMEN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER AND FABRIC. GREGORY & READ COMPANY, Lynn, Mass.
Filed July 14, 1934. Serial No. 353,887. PUBLISHED OCTOBER 9, 1934. Class 39.

320,190. WHISKEY. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J.
Filed July 16, 1934. Serial No. 353,913. PUBLISHED OCTOBER 16, 1934. Class 49.

320,191. MEN'S AND BOYS' OVERALLS. GLOBE SUPERIOR CORPORATION, Abingdon, Ill.
Filed July 16, 1934. Serial No. 353,922. PUBLISHED OCTOBER 9, 1934. Class 39.

320,192. MEDICINES FOR EXTERNAL USE IN RELIEF OF IRRITATION CAUSED BY POISON OAK AND OTHER POISONOUS VINES. FRANK A. GRIFFITTS, doing business as Griffitts Chemical Co., Alameda, Calif.
Filed July 16, 1934. Serial No. 353,925. PUBLISHED OCTOBER 9, 1934. Class 6.

320,193. VAGINAL SUPPOSITORIES, ANTISEPTIC POWDERS, SKIN OINTMENTS, ANTISEPTIC SOLUTIONS, AND BIOLOGICAL PREPARATIONS—NAMELY, SERA AND REAGENTS TO BE USED FOR CLINICAL LABORATORY TESTINGS. A. O. SCHMIDT, doing business as A. O. Schmidt Co., San Francisco, Calif.
Filed July 16, 1934. Serial No. 353,950. PUBLISHED OCTOBER 9, 1934. Class 6.

320,194. MEDICINAL PREPARATION CONSISTING OF CHEMICALLY PURE OXIDES, WHICH, IN THE PRESENCE OF A CATALYTE RELEASES CHEMICALLY PURE OXYGEN FOR EMERGENCY AND GENERAL OXYGEN TREATMENT. ALYCE WILLIAMS, doing business as Oxylith Co., Los Angeles, Calif.
Filed July 16, 1934. Serial No. 353,965. PUBLISHED OCTOBER 9, 1934. Class 6.

320,195. MAGAZINE RELATING TO LIVE STOCK. THE AMERICAN NATIONAL LIVE STOCK ASSOCIATION PUBLISHING COMPANY, Denver, Colo.
Filed July 16, 1934. Serial No. 353,969. PUBLISHED OCTOBER 9, 1934. Class 38.

320,196. WHISKEY. MARYLAND DISTILLERY, INC., Relay, Md.
Filed April 2, 1934. Serial No. 349,424. PUBLISHED OCTOBER 16, 1934. Class 49.

320,197. COGNAC AND CREME DE MENTHE. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed April 5, 1934. Serial No. 349,597. PUBLISHED OCTOBER 16, 1934. Class 49.

320,198. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS EXCEPTING COCKTAILS. THEODORE G. STEIN, INC., Camden, N. J.
Filed July 5, 1934. Serial No. 353,547. PUBLISHED AUGUST 7, 1934. Class 49.

320,199. BRANDIES. MARTIAL ADRIEN GEORGES EDOUARD LAPORTE BISQUIT, doing business as Bisquit Dubouche & Co., Laporte Bisquit & Co., successeurs, Jarnac-Cognac, France.
Filed June 19, 1934. Serial No. 352,865. PUBLISHED OCTOBER 16, 1934. Class 49.

320,200. ALE. WHITBREAD AND COMPANY, LIMITED, London, England.
Filed June 19, 1934. Serial No. 352,882. PUBLISHED OCTOBER 9, 1934. Class 48.

320,201. ADVERTISING POSTERS. SCHMIDT LITHOGRAPH COMPANY, San Francisco, Calif.
Filed June 20, 1934. Serial No. 352,926. PUBLISHED OCTOBER 9, 1934. Class 38.

320,202. DRY CLEANING PREPARATIONS, FLUID AND COMPOUND. SYLVESTER L. ST. JOHN, Norwood, Mass.
Filed June 21, 1934. Serial No. 352,989. PUBLISHED OCTOBER 9, 1934. Class 4.

320,203. MASSAGE ROLLERS. ELIZABETH ARDEN, INC., New York, N. Y.
Filed June 23, 1934. Serial No. 353,051. PUBLISHED OCTOBER 9, 1934. Class 44.

320,204. WHISKEY. THE THOMAS WARD DISTILLING COMPANY, Westminster, Md.
Filed June 23, 1934. Serial No. 353,098. PUBLISHED OCTOBER 16, 1934. Class 49.

320,205. ROOFING PITCH AND WATERPROOFING PITCH, SLATER'S FELT, AND TARRED FELT. REILLY TAR & CHEMICAL CORPORATION, Indianapolis, Ind.
Filed June 23, 1934. Serial No. 353,096. PUBLISHED SEPTEMBER 18, 1934. Class 12.

320,206. BOOKLETS. CHURCH OF THE LIVING GOD, Wrightsville, Ark.
Filed June 25, 1934. Serial No. 353,109. PUBLISHED OCTOBER 9, 1934. Class 38.

320,207. SKIN OINTMENT FOR REDUCING SWELLINGS, CLEANING CUTS AND ABRASIONS, AND AS A PROTECTION FROM MOSQUITOES. DEARLING INC., New York, N. Y.
Filed June 25, 1934. Serial No. 353,125. PUBLISHED OCTOBER 2, 1934. Class 6.

320,208. WHISKEY. GIMBEL BROTHERS, INC., New York, N. Y.
Filed June 25, 1934. Serial No. 353,128. PUBLISHED OCTOBER 9, 1934. Class 49.

320,209. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. PSCHORRBRÄU AKTIENGESELLSCHAFT MÜNCHEN, Munich, Germany.
Filed June 25, 1934. Serial No. 353,143. PUBLISHED OCTOBER 9, 1934. Class 48.

320,210. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. PSCHORRBRÄU AKTIENGESELLSCHAFT MÜNCHEN, Munich, Germany.
Filed June 25, 1934. Serial No. 353,144. PUBLISHED OCTOBER 9, 1934. Class 48.

320,211. WHISKEY. THE A. SHERMAN MFG. CO., Stamford, Conn.
Filed Sept. 11, 1934. Serial No. 355,950. PUBLISHED OCTOBER 16, 1934. Class 49.

320,212. WHISKEY, GIN, RUM, AND BRANDY. JOS. S. FINCH & COMPANY, Schenley, Pa.
Filed September 12, 1934. Serial No. 355,965. PUBLISHED OCTOBER 16, 1934. Class 49.

320,213. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed September 12, 1934. Serial No. 355,972. PUBLISHED OCTOBER 16, 1934. Class 49.

320,214. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed September 12, 1934. Serial No. 355,973. PUBLISHED OCTOBER 16, 1934. Class 49.

320,215. WHISKEY. THE DAVIESS COUNTY DISTILLING COMPANY, INCORPORATED, Owensboro, Ky.
Filed September 13, 1934. Serial No. 355,998. PUBLISHED OCTOBER 16, 1934. Class 49.

320,216. GIN. KIENZLER DISTILLING CORPORATION, New York, N. Y.
Filed September 13, 1934. Serial No. 356,007. PUBLISHED OCTOBER 16, 1934. Class 49.

320,217. WHISKEY. CENTURY DISTILLING CO., Peoria, Ill.
Filed September 14, 1934. Serial No. 356,024. PUBLISHED OCTOBER 16, 1934. Class 49.

320,218. RYE WHISKEY. GENERAL DISTILLERIES CORPORATION, Hartford, Conn.
Filed September 14, 1934. Serial No. 356,030. PUBLISHED OCTOBER 16, 1934. Class 49.

320,219. RYE WHISKEY. GENERAL DISTILLERIES CORPORATION, Hartford, Conn.
Filed September 14, 1934. Serial No. 356,032. PUBLISHED OCTOBER 16, 1934. Class 49.

320,220. WHISKEY, BRANDY, AND GIN. RARITAN DISTILLERS CORP., Perth Amboy, N. J.
Filed September 14, 1934. Serial No. 356,049. PUBLISHED OCTOBER 16, 1934. Class 49.

320,221. WHISKEY, BRANDY, AND GIN. RARITAN DISTILLERS CORP., Perth Amboy, N. J.
Filed September 14, 1934. Serial No. 356,050. PUBLISHED OCTOBER 16, 1934. Class 49.

320,222. WHISKEY, BRANDY, AND GIN. RARITAN DISTILLERS CORP., Perth Amboy, N. J.
Filed September 14, 1934. Serial No. 356,051. PUBLISHED OCTOBER 16, 1934. Class 49.

320,223. WHISKEY, BRANDY, AND GIN. RARITAN DISTILLERS CORP., Perth Amboy, N. J.
Filed September 14, 1934. Serial No. 356,052. PUBLISHED OCTOBER 16, 1934. Class 49.

320,224. WHISKEY. JACOB WAGNER, Brooklyn, N. Y.
Filed September 14, 1934. Serial No. 356,060. PUBLISHED OCTOBER 16, 1934. Class 49.

320,225. DEODORANTS. ELIZABETH ARDEN, INC., New York, N. Y.
Filed December 30, 1932. Serial No. 333,493. PUBLISHED OCTOBER 2, 1934. Class 6.

320,226. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. ABNER DRURY BREWERY, INC., Washington, D. C.
Filed February 25, 1933. Serial No. 335,269. PUBLISHED JULY 4, 1933. Class 48.

320,227. GASOLINE, LUBRICATING OIL, KEROSENE, FUEL OIL, LUBRICATING GREASE, CYLINDER OIL, AND VEHICLE GREASE. F. LEROY PARCHERT, Lowell, Mass.
Filed February 25, 1933. Serial No. 335,290. PUBLISHED NOVEMBER 21, 1933. Class 15.

320,228. MACHINE NEEDLES. THE FURRIERS' SUPPLY CORPORATION, New York, N. Y.
Filed March 18, 1933. Serial No. 335,814. PUBLISHED OCTOBER 9, 1934. Class 23.

320,229. COAL. LOYALSOCK COAL MINING COMPANY, Towanda, Pa.
Filed May 22, 1933. Serial No. 338,094. PUBLISHED OCTOBER 9, 1934. Class 1.

320,230. CANDIES. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed June 27, 1933. Serial No. 339,293. PUBLISHED OCTOBER 9, 1934. Class 46.

320,231. MACHINE AND LUBRICATING OILS. WIZARD, INC., Chicago, Ill.
Filed August 17, 1933. Serial No. 340,781. PUBLISHED OCTOBER 10, 1933. Class 15.

320,232. CANNED VEGETABLES AND CANNED SUCCOTASH. SNIDER PACKING CORPORATION, Rochester, N. Y.
Filed August 2, 1934. Serial No. 354,581. PUBLISHED SEPTEMBER 25, 1934. Class 46.

320,233. CHERRY BRANDY. WILLIAM SHIRLEY PETMAN GRANT, doing business as Thomas Grant & Sons, Maidstone, England.
Filed August 3, 1934. Serial No. 354,611. PUBLISHED OCTOBER 16, 1934. Class 49.

320,234. LEATHER AND FABRIC SHOES. LAZARUS FRIED & SONS, INC., New York, N. Y.
Filed August 3, 1934. Serial No. 354,615. PUBLISHED OCTOBER 2, 1934. Class 39.

320,235. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed August 3, 1934. Serial No. 354,632. PUBLISHED OCTOBER 2, 1934. Class 6.

320,236. HANDBAGS. SAKS & COMPANY, INC., New York, N. Y.
Filed August 3, 1934. Serial No. 354,636. PUBLISHED OCTOBER 9, 1934. Class 3.

320,237. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 4, 1934. Serial No. 354,648. PUBLISHED OCTOBER 2, 1934. Class 42.

320,238. PIECE GOODS MADE WHOLLY OR PARTIALLY OFCELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 4, 1934. Serial No. 354,649. PUBLISHED OCTOBER 2, 1934. Class 42.

320,239. BEER. FOOD CITY BREWING COMPANY, Battle Creek, Mich.
Filed August 4, 1934. Serial No. 354,650. PUBLISHED OCTOBER 9, 1934. Class 48.

320,240. CHILDREN'S SAND BOXES, CHILDREN'S PLAY PENS, TOY HOUSES, CROQUET SETS, GYMNASIUM EQUIPMENT — NAMELY, SWINGS, SLIDES, SEE SAWS, CLIMBING LADDERS, CLIMBING POLES, TRAPEZE BARS, AND SWINGING RINGS. R. H. MACY & CO., INC., New York, N. Y.
Filed August 4, 1934. Serial No. 354,658. PUBLISHED OCTOBER 16, 1934. Class 22.

320,241. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md.
Filed August 31, 1934. Serial No. 355,628. PUBLISHED OCTOBER 9, 1934. Class 49.

320,242. BLASTING FUSES. NATIONAL FUSE AND POWDER CO., Denver, Colo.
Filed August 31, 1934. Serial No. 355,629. PUBLISHED OCTOBER 9, 1934. Class 9.

320,243. BLASTING FUSES. NATIONAL FUSE AND POWDER CO., Denver, Colo.
Filed August 31, 1934. Serial No. 355,631. PUBLISHED OCTOBER 9, 1934. Class 9.

320,244. BLASTING FUSES. NATIONAL FUSE AND POWDER CO., Denver, Colo.
Filed August 31, 1934. Serial No. 355,632. PUBLISHED OCTOBER 9, 1934. Class 9.

320,245. GIN. THE OWL DRUG CO., San Francisco, Calif.
Filed August 31, 1934. Serial No. 355,635. PUBLISHED OCTOBER 9, 1934. Class 49.

320,246. WEARING APPAREL—NAMELY, MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. ELDER MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 23, 1934. Serial No. 354,196. PUBLISHED OCTOBER 9, 1934. Class 39.

320,247. SOOT REMOVER CHEMICAL PREPARATION. CALCINITE CHEMICALS, INC., Yonkers, N. Y.
Filed July 24, 1934. Serial No. 354,239. PUBLISHED OCTOBER 9, 1934. Class 6.

320,248. SOOT REMOVER CHEMICAL PREPARATION. CALCINITE CHEMICALS, INC., Yonkers, N. Y.
Filed July 24, 1934. Serial No. 354,240. PUBLISHED OCTOBER 9, 1934. Class 6.

320,249. MEN'S AND BOYS' SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed July 24, 1934. Serial No. 354,252. PUBLISHED OCTOBER 9, 1934. Class 39.

320,250. THREADS, YARNS, AND NOVELTY YARNS COMPOSED OF WORSTED, WOOL, COTTON, SILK, RAYON, OR A COMBINATION OF SUCH TEXTURES. THE NATIONAL SILK CO., INC., South Coventry, Conn.
Filed July 24, 1934. Serial No. 354,256. PUBLISHED OCTOBER 9, 1934. Class 43.

320,251. TOILET, LAUNDRY, AND INDUSTRIAL SOAPS. THE CINCINNATI SOAP COMPANY, doing business as Beaver-Remmers-Graham Company, Cincinnati, Ohio.
Filed July 25, 1934. Serial No. 354,335. PUBLISHED OCTOBER 9, 1934. Class 4.

320,252. FOUNTAIN PENS. UNITED DRUG COMPANY, Boston, Mass.
Filed July 26, 1934. Serial No. 354,360. PUBLISHED OCTOBER 9, 1934. Class 37.

320,253. PREPARATION FOR THE TREATMENT OF CORNS, CALLOUS, BUNIONS, AND WARTS. SYLVAN M. EDISON, doing business as Pedetrin Pharmacal Co., Chicago, Ill.
Filed July 26, 1934. Serial No. 354,362. PUBLISHED OCTOBER 9, 1934. Class 6.

320,254. MILK OF MAGNESIA AND ANTISEPTIC MOUTH WASH. PURITAN COSMETICS INC., doing business as Puritan Pharmacal Company, St. Louis, Mo.
Filed July 27, 1934. Serial No. 354,386. PUBLISHED OCTOBER 9, 1934. Class 6.

320,255. POULTRY PREPARATIONS, MEDICINES, AND VERMIFUGES—NAMELY, POULTRY MEDICINE FOR DRINKING WATER, POULTRY WORMER, POULTRY TONIC, POULTRY ANTISEPTIC FOR DRINKING WATER, POULTRY NASAL SPRAY FOR EXTERNAL USE. MASTER LABORATORIES, INC., doing business as Red Feather Laboratories, Inc., Omaha, Nebr.
Filed July 28, 1934. Serial No. 354,411. PUBLISHED OCTOBER 9, 1934. Class 6.

320,256. UNDERWEAR AND HOSIERY FOR MEN, WOMEN, AND CHILDREN. QUEEN CITY TEXTILE CORPORATION, Allentown, Pa.
Filed July 30, 1934. Serial No. 354,448. PUBLISHED OCTOBER 9, 1934. Class 39.

320,257. LINGERIE—NAMELY, UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; AND NEGLIGEES, PAJAMAS, AND BANDEAUX. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind.
Filed July 30, 1934. Serial No. 354,449. PUBLISHED OCTOBER 2, 1934. Class 39.

320,258. ANTISEPTIC DOUCHE. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 30, 1934. Serial No. 354,451. PUBLISHED OCTOBER 2, 1934. Class 6.

320,259. RUBS AND CARPETS OF TEXTILE FABRICS. A. & M. KARAGHEUSIAN, INC., New York, N. Y.
Filed July 31, 1934. Serial No. 354,465. PUBLISHED OCTOBER 2, 1934. Class 42.

320,260. SHOES, BOOTS, AND SLIPPERS MADE IN WHOLE OR IN PART OF LEATHER, REPTILE SKINS, AND/OR TEXTILE FABRICS. R. H. STEARNS COMPANY, Boston, Mass.
Filed July 31, 1934. Serial No. 354,481. PUBLISHED OCTOBER 2, 1934. Class 39.

320,261. IODINE, POTASSIUM IODIDE, AND OTHER IODINE-CONTAINING COMPOUNDS. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed August 1, 1934. Serial No. 354,506. PUBLISHED OCTOBER 2, 1934. Class 6.

320,262. SHOE LACES, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, TAPES, BELTINGS, BINDINGS, ELASTIC NARROW FABRICS AND BANDINGS, ALL OF WHICH ARE WOVEN OR BRAIDED OF COTTON, RAYON, SILK, OR WORSTED. PROVIDENCE BRAID COMPANY, Pawtucket, R. I.
Filed August 1, 1934. Serial No. 354,524. PUBLISHED OCTOBER 2, 1934. Class 40.

320,263. WHISKEY. Hiram Walker & Sons, Inc., Peoria, Ill.
Filed August 1, 1934. Serial No. 354,531. PUBLISHED OCTOBER 16, 1934. Class 49.

320,264. DETERGENT FOR DRY CLEANING PROCESS. The Blue Heven Corporation, North Kansas City, Mo.
Filed August 2, 1934. Serial No. 354,559. PUBLISHED OCTOBER 9, 1934. Class 4.

320,265. ALCOHOLIC PUNCHES. The Tom Collins Corporation, Cincinnati, Ohio.
Filed August 2, 1934. Serial No. 354,562. PUBLISHED OCTOBER 9, 1934. Class 49.

320,266. SURF-BOARDS. The Robert Mitchell Manufacturing Company, Cincinnati, Ohio.
Filed August 2, 1934. Serial No. 354,571. PUBLISHED OCTOBER 16, 1934. Class 22.

320,267. OVERALLS, WORK SUITS, WORK SHIRTS, PLAY SUITS, AND WORK PANTS. J. C. Penney Company, Wilmington, Del.
Filed August 6, 1934. Serial No. 354,699. PUBLISHED OCTOBER 9, 1934. Class 39.

320,268. OLIVE OIL. Luigi Garbini, Lucca, Italy.
Filed August 6, 1934. Serial No. 354,681. PUBLISHED OCTOBER 16, 1934. Class 46.

320,269. GIN. Baunswig Drug Co., Los Angeles, Calif.
Filed August 6, 1934. Serial No. 354,673. PUBLISHED OCTOBER 16, 1934. Class 49.

320,270. CORSETS, BRASSIÈRES, BANDEAUX, GIRDLES, CORSET-COMBINATIONS, AND GARTER BELTS. Vanity Brassiere Company, Inc., New York, N. Y.
Filed August 4, 1934. Serial No. 354,669. PUBLISHED OCTOBER 2, 1934. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

320,271. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) Paramount Textile Machinery Co., Chicago, Ill. Filed Mar. 8, 1934. Serial No. 348,353.

DUAL HEAT

For Hosiery Drying and Finishing Forms and Machines Comprising the Same.
Claims use since June 19, 1933.

320,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Barron-Gray Packing Company, San Jose, Calif. Filed Feb. 7, 1934. Serial No. 347,042.

ORCHARD RIPE

For Canned Fruits.
Claims use since Nov. 11, 1933.

320,273. (CLASS 27. HOROLOGICAL INSTRUMENTS.) Twinface Clock Company, Inc., New York, N. Y. Filed Jan. 22, 1934. Serial No. 346,385.



For Clocks.
Claims use since August, 1933.

320,274. (CLASS 47. WINES.) Florido Hermanos, Sanlucar de Barrameda, Spain. Filed Dec. 16, 1933. Serial No. 345,011.

Florido

For Wines.
Claims use since Jan. 2, 1921.

320,275. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) Bonney Forge & Tool Works, Allentown, Pa. Filed Nov. 23, 1933. Serial No. 344,038.

TuType

For Wrenches.
Claims use since Nov. 8, 1933.

320,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. R. Recker Packing Co., Phoenix, Ariz. Filed Nov. 13, 1934. Serial No. 358,171.

RECKER

For Fresh Cantaloupes, Fresh Vegetables.
Claims use since Dec. 1, 1932.

320,277. (CLASS 45. BEVERAGES, NONALCOHOLIC.) The Peoples Bottling Company, Inc., Akron, Ohio. Filed Nov. 9, 1934. Serial No. 358,064.

Bayer's

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Jan. 1, 1916.

320,278. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) Parker-Kalon Corporation, New York, N. Y. Filed Oct. 20, 1934. Serial No. 357,348.

VIS PARKER

For Screws, Drive Screws, Drive Pins, Set Screws, Nails, Screwnails, Rivets, Studs, Wing-Nuts, Cap-Nuts, Expansion Bolts and Expansion Sleeves.
Claims use since Oct. 28, 1924.

320,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Klotz Confection Company, Incorporated, Louisville, Ky. Filed Sept. 22, 1934. Serial No. 356,309.

KLOTZ'S
NUTTY FUDGE

For Fudge Candy Containing Nuts.
Claims use since October, 1933.

320,280. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) Herbert L. Felknor, doing business as Quality Tool Works, Waukegan, Ill. Filed Sept. 17, 1934. Serial No. 356,105.



For Key-Seat Cutter.
Claims use since July 21, 1932.

320,281. (CLASS 47. WINES.) Picker-Linz Importers, Inc., New York, N. Y., assignor to Manuel Fernandez y Cª S. L., Jerez de la Frontera, Spain, a corporation of Spain. Filed Aug. 25, 1934. Serial No. 355,442.

Fernández

For Wines.
Claims use since 1905.

320,282. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. L. Kaler Co., Hatfield, Pa. Filed July 7, 1934. Serial No. 353,692.

MADE IN U. S. A.
TRADE
KALER
MARK
COLOR GUARANTEED FAST

For Terry Towels, Terry Wash Cloths, Terry Pot Holders, Terry Bath Sheets, Terry Bath Mats, Terry Toilet Seat Covers, and Terry Robing.
Claims use since Feb. 20, 1933.

320,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Frank M. A. Zajac, New York, N. Y. Filed Apr. 14, 1934. Serial No. 350,072.

Quyk-mix
HONI-BRAN

For Flour Meal, Especially Premixed or Prepared Flours, Said Premixing Being of Bran and Other Parts of Wheat, White Flour, Sugar, Salt, Honey and Other Combinations of Such Food Products as Will Produce Prepared Premixed Flours Suitable for Baking Biscuits, Muffins and Other Baking Food Products.
Claims use since June 1, 1933.

320,284. (CLASS 45. BEVERAGES, NONALCOHOLIC.) Eagle Products Co., Inc., Los Angeles, Calif. Filed Aug. 14, 1933. Serial No. 340,676.

DU GAL

For Citrus Fruit Juices.
Claims use since Aug. 3, 1933.

320,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) La Habra Citrus Association, La Habra, Calif. Filed Mar. 21, 1933. Serial No. 335,938.

RELIABLE

For Fresh Citrus Fruits.
Claims use since Nov. 1, 1911.

TRADE-MARK REGISTRATIONS RENEWED

99,833. OLIVE-OIL. Registered September 22, 1914. APREA BROS. Renewed September 22, 1934, to Salvatore Aprea as administrator of the estate of Giovanni Aprea, deceased, New York, N. Y., assignee.

100,524. WATCHES, CLOCKS, WATCH CASES, SPRINGS, BELLS, HAMMERS, WORKS, HANDS, KEYS, AND DIALS. Registered October 20, 1914. DIDISHEIM, GOLDSCHMIDT FILS ET CIE, FABRIQUE JUVENIA, La Chaux-de-Fonds, Switzerland, a corporation of Switzerland. Renewed October 20, 1934.

100,724. PLUGS FOR FIXING SCREWS IN PLASTER, BRICK, MARBLE, SLATE, ETC. Registered October 20, 1914. RAWLINGS BROS., LTD. Renewed October 20, 1934, to The Rawlplug Company Limited, London, England, a corporation of Great Britain, assignee.

100,748. CANNED CORN, SUCCOTASH, AND LIMA BEANS. Registered October 27, 1914. AUGUSTA CANNING CO., Brunswick, Maine, a firm. Renewed October 27, 1934.

101,193. CERTAIN HEAT REFRACTORY MATERIALS CONSISTING OF CERTAIN NAMED MATERIALS. Registered November 17, 1914. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed November 17, 1934.

101,194. HEAT REFRACTORY MATERIALS CONSISTING OF CERTAIN NAMED MATERIALS. Registered November 17, 1914. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed November 17, 1934.

101,288. SOLE-LEATHER. Registered November 24, 1914. J. W. & A. P. HOWARD & CO., LTD. Renewed November 24, 1934, to J. W. & A. P. Howard Company, Corry, Pa., a corporation of Pennsylvania, assignee.

101,334. GRAIN, RICE, AND CORN CRADLES. Registered November 24, 1914. THE J. A. SCHWOB CO., Moundsville, W. Va. Renewed November 24, 1934, to Seymour Manufacturing Company, Inc., Seymour, Ind., a corporation of Delaware, assignee.

102,805. CANNED VEGETABLES, CANNED FRUITS, FLAVORING EXTRACTS FOR FOODS, COFFEE, CANDY AND ROLLED OATS. Registered February 23, 1915. LEBANON WHOLESALE GROCER CO. Renewed February 23, 1935, to Lebanon Wholesale Grocer Company, Inc., Lebanon, Mo., a corporation of Missouri, assignee.

102,940. PRINTED BLANK FORMS. Registered March 2, 1915. THE A. S. GILMAN PRINTING COMPANY, Cleveland, Ohio. Renewed March 2, 1935, to Gilman Fanfold Corporation, Limited, Niagara Falls, N. Y., a corporation of the Province of Ontario, Canada, assignee by mesne assignments.

103,089. CERTAIN NAMED BRISTLE GOODS. Registered March 16, 1915. BLOOMINGDALE BROS. Renewed March 16, 1935, to Bloomingdale Bros., Inc., New York, N. Y., a corporation of New York, successor.

103,148. RED AND WHITE WINES. Registered March 16, 1915. BLOOMINGDALE BROS. Renewed March 16, 1935, to Bloomingdale Bros., Inc., New York, N. Y., a corporation of New York, successor.

103,149. PETTICOATS AND WOMEN'S AND MISSES' COATS AND SUITS. Registered March 16, 1915. BLOOMINGDALE BROS. Renewed March 16, 1935, to Bloomingdale Bros., Inc., New York, N. Y., a corporation of New York, successor.

103,166. A MONTHLY TRADE PUBLICATION. Registered March 16, 1915. THE INDIA RUBBER PUBLISHING CO. Renewed March 16, 1935, to Bill Brothers Publishing Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

103,183. AN APERIENT OR LAXATIVE. Registered March 16, 1915. FREDERICK K. STEARNS, Detroit, Mich., and New York, N. Y. Renewed March 16, 1935, to Frederick Stearns & Company, Detroit, Mich., a corporation of Michigan, successor.

103,253. CERTAIN NAMED MUSICAL INSTRUMENTS AND PARTS THEREOF. Registered March 23, 1915. SAMUEL BUEGELEISEN. Renewed March 23, 1935, to Buegeleisen & Jacobson, New York, N. Y., a firm, assignee.

103,601. A SALVE. Registered April 6, 1915. THE VICK CHEMICAL CO., Greensboro, N. C. Renewed April 6, 1935, to Vick Chemical Company, Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments.

103,690. OLEOMARGARIN. Registered April 13, 1915. ECKERSON COMPANY. Renewed April 13, 1935, to Eckerson Company, Jersey City, N. J., a corporation of New Jersey, assignee by mesne assignments.

103,831. WHITE LAUNDRY SOAP. Registered April 13, 1915. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 13, 1935.

104,086. CERTAIN NAMED MACHINERY AND TOOLS AND PARTS THEREOF. Registered April 27, 1915. THE BROWN HOISTING MACHINERY COMPANY, Cleveland, Ohio. Renewed April 27, 1935, to Industrial Brownhoist Corporation, Bay City, Mich., a corporation of Ohio, assignee.

104,152. AXLE-GREASE. Registered May 4, 1915. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 4, 1935.

LABELS

REGISTERED DECEMBER 18, 1934

44,755.—*Title:* SPORTOCASIN. For Footwear. BIRD & SON, INC., East Walpole, Mass. Published November 23, 1933.

44,756.—*Title:* SEARS FOOTWEAR. For Footwear. BIRD & SON, INC., East Walpole, Mass. Published October 22, 1934.

44,757.—*Title:* FASHION FOOTWEAR. For Footwear. BIRD & SON, INC., East Walpole, Mass. Published October 22, 1934.

44,758.—*Title:* NEUTSU. For Herb Tea. FRED J. BROUGH, Salmon, Idaho. Published June 15, 1934.

44,759.—*Title:* BUSS CLEAR WINDOW FUSES. For Electric Fuses. BUSSMANN MFG. CO., St. Louis, Mo. Published October 20, 1934.

44,760.—*Title:* WHITE'S CHAMPION. For Concentrated Chili Con Carne Without Beans. CHAMPION CHILI COMPANY, Dallas, Tex. Published October 8, 1934.

44,761.—*Title:* SIGNORINA. For Tomato Paste. CONTADINA BROKERAGE & DISTRIBUTING CO., Chicago, Ill. Published October 19, 1934.

44,762.—*Title:* OLD FAITHFUL. For Pale Beer. GALLATIN BREWING CO., Bozeman, Mont. Published May 24, 1934.

44,763.—*Title:* OLD CATSKILL. For Apple Brandy. GREENE COUNTY FRUIT DISTILLERY, INC., Catskill, N. Y. Published October 15, 1934.

44,764.—*Title:* SAVE YOUR CUPS. For Safety Cup-Hooks. J. T. HAIG, New York, N. Y. Published October 10, 1934.

44,765.—*Title:* CELESTIN MARTEL. For Cognac. BENJAMIN I. HOUGHTON, New York, N. Y. Published October 5, 1934.

44,766.—*Title:* COILETTE. For Wire Springs. THE HUFF COMPANY, Ann Arbor, Mich. Published September 10, 1934.

44,767.—*Title:* CELERY FOR ENERGY. For Celery. WALTER HYAMS, New York, N. Y. Published January 1, 1933.

44,768.—*Title:* KELLOGG'S CORN FLAKES—THE NINTH DIAMOND AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,769.—*Title:* KELLOGG'S CORN FLAKES—THE LAST FALCON AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,770.—*Title:* KELLOGG'S CORN FLAKES—THE BATTLE AT THE TOMB AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,771.—*Title:* KELLOGG'S CORN FLAKES—THE SWORD OF DAMOCLES AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,772.—*Title:* KELLOGG'S CORN FLAKES—THE BELL OF ATRI AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,773.—*Title:* KELLOGG'S CORN FLAKES—THE BOY HERO OF HARLAAM AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,774.—*Title:* KELLOGG'S CORN FLAKES—THE MIRACLE OF THE SWORD AS TOLD BY KELLOGG'S ADVENTURER. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,775.—*Title:* KELLOGG'S CORN FLAKES—THE WOODEN HORSE OF TROY. For Ready-to-Eat Cereal Food. KELLOGG COMPANY, Battle Creek, Mich. Published September 17, 1934.

44,776.—*Title:* BRIGHT EYES EYEBROW PENCIL WITH SHARPENER FOR SMART EYEBROWS. For Eyebrow Pencils with Sharpener Attachment. S. H. KRESS & CO., New York, N. Y. Published September 1, 1934.

44,777.—*Title:* KROGER'S QUALITY BACON. For Bacon. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published September 1, 1934.

44,778.—*Title:* LOLY-LAX, THE LAXATIVE ON A STICK. For Laxative. LOLY-LAX CO., Paterson, N. J. Published July 16, 1934.

44,779.—*Title:* GOLD MEDAL STAPLES. For Boxes of Staples. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published October 12, 1934.

44,780.—*Title:* MARKWELL STAPLES. For Boxes of Staples. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published October 12, 1934.

44,781.—*Title:* SCOTTY ALLAN'S DOG FOOD. For Dog Food. H. MOFFAT CO., San Francisco, Calif. Published October 4, 1934.

44,782.—*Title:* FACE-FUN FELT-O-GRAMS. For Games. POSTER PRODUCTS INC., Chicago, Ill. Published August 17, 1933.

44,783.—*Title:* SALADA GOLD LABEL. For Black Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 23, 1934.

44,784.—*Title:* SALADA GOLD LABEL. For Black Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 23, 1934.

44,785.—*Title:* SALADA RED LABEL. For Mixed Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,786.—*Title:* SALADA RED LABEL. For Mixed Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,787.—*Title:* SALADA BLUE LABEL. For Black Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,788.—*Title:* SALADA BLUE LABEL. For Black Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,789.—*Title:* SALADA BLUE LABEL. For Mixed Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,790.—*Title:* SALADA BLUE LABEL. For Mixed Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,791.—*Title:* SALADA BLUE LABEL. For Green Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,792.—*Title:* SALADA BLUE LABEL. For Green Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,793.—*Title:* SALADA JAPAN TEA. For Green Japan Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,794.—*Title:* SALADA RED LABEL. For Green Tea. SALADA TEA CO. (INC.), Boston, Mass. Published October 25, 1934.

44,795.—*Title:* SALEM BEER. For Beer. SALEM BREWERY ASSOCIATION, Salem, Oreg. Published October 1, 1934.

44,796.—*Title:* MEDAGLIA D'ORO. For Coffee. S. A. SCHONBRUNN & CO., INC., New York, N. Y. Published September 15, 1934.

44,797.—*Title:* TENDER LEAF (12-TWO GALLON). For Tea Bags. STANDARD BRANDS INCORPORATED, New York, N. Y. Published July 1, 1934.

44,798.—*Title:* TENDER LEAF (12-ONE GALLON). For Tea Bags. STANDARD BRANDS INCORPORATED, New York, N. Y. Published July 1, 1934.

44,799.—*Title:* TENDER LEAF (12 PACKAGES). For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published March 1, 1934.

44,800.—*Title:* TENDER LEAF (24 PACKAGES). For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published March 1, 1934.

44,801.—*Title:* SPARKLING CLUB SODA. For a Lithiated and Siphonated Sparkling Water. STARMAN SYPHON MANUFACTURING CO., INC., Brooklyn, N. Y. Published October 15, 1934.

44,802.—*Title:* AN AGREEABLE REFRIGERANT AND LAXATIVE. For Citrate of Magnesia. STERLING MAGNESIA CO., Chicago, Ill. Published September 24, 1934.

44,803.—*Title:* GREAT DANE. For Straight Rye Whiskey. THOMAS MOORE DISTRIBUTING COMPANY, McKeesport, Pa. Published September 24, 1934.

44,804.—*Title:* MILK-I-DENT DENTAL CREAM. For Dental Cream. THE TRADE LABORATORIES, INC., Newark, N. J. Published October 5, 1934.

44,805.—*Title:* LYNDEN BRAND CHICKEN AND EGG NOODLES. For Chicken and Egg Noodles. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published August 24, 1934.

44,806.—*Title:* LYNDEN BRAND CHICKEN TAMALE. For Chicken Tamale. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published August 3, 1934.

44,807.—*Title:* LYNDEN BRAND CHICKEN A LA KING. For Chicken a la King. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published August 24, 1934.

44,808.—*Title:* LYNDEN BRAND BONELESS CHICKEN. For Boneless Chicken. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published August 24, 1934.

44,809.—*Title:* LYNDEN BRAND BONELESS ROAST CHICKEN AND BROTH. For Boneless Roast Chicken and Broth. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published September 26, 1934.

44,810.—*Title:* LYNDEN BRAND BONELESS CHICKEN. For Boneless Chicken. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published August 24, 1934.

44,811.—*Title:* LYNDEN BRAND CHICKEN SANDWICH SPREAD. For Chicken Sandwich Spread. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published September 26, 1934.

44,812.—*Title:* LYNDEN BRAND CHICKEN BROTH. For Chicken Broth. WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Published August 3, 1934.

44,813.—*Title:* YUKON'S QUEEN OF THE WEST. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,814.—*Title:* YUKON'S SOUTHERN DAISY. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,815.—*Title:* YUKON'S WESTERN. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,816.—*Title:* YUKON'S OKLAHOMA MADE. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,817.—*Title:* YUKON'S WESTERN. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,818.—*Title:* YUKON'S BEST. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,819.—*Title:* YUKON'S BEST. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,820.—*Title:* YUKON VERIFINE. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,821.—*Title:* YUKON'S VERI-FINE. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,822.—*Title:* YUKON'S GOOD LUCK. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,823.—*Title:* INDIA-HOMA. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,824.—*Title:* QUEEN OF THE WEST. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,825.—*Title:* YUKON'S GOOD LUCK. For Self-Rising Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,826.—*Title:* YUKON'S SOUTHERN STAR. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,827.—*Title:* YUKON'S GREAT ROCK ISLAND. For Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,828.—*Title:* YUKON'S QUALITY. For Our Banner Flour. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

44,829.—*Title:* YUKON'S VERIFINE. For White Cream Meal. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Published August 17, 1934.

PRINTS

REGISTERED DECEMBER 18, 1934

14,941.—*Title:* SUNFAME COAL. For Coal. AIRCO COALS, INC., Dayton, Ohio. Published October 1, 1934.

14,942.—*Title:* CARSON'S PRESENTS THE OUTSTANDING COAT SUCCESSES IN A GREAT OCTOBER EVENT. For Ladies' Ready-to-Wear Coats. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Published October 3, 1934.

14,943.—*Title:* WHEN GOOD FASHIONS GET TOGETHER IN SUCH VARIETY AS THESE, IT'S A CARSON'S SELLING OF FROCKS. For Ladies' Ready-to-Wear Frocks. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Published October 3, 1934.

14,944.—*Title:* $10,000.00 IN REAL CASH GIVEN FREE FOR WRITING LAST LINES TO THE LIMERICK ON THIS PAGE. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 2, 1934.

14,945.—*Title:* WHAT TO DO ABOUT THE MAN WHO'S GROUCHY AT THE TABLE. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 10, 1934.

14,946.—*Title:* SHE TAKES THE CURVES FAST. For Dentifrice. MCKESSON & ROBBINS, INC., Bridgeport and Fairfield, Conn. Published October 16, 1934.

14,947.—*Title:* OFF THE 'HIGH BOARD' WITHOUT FEAR. For Dentifrice. MCKESSON & ROBBINS, INC., Bridgeport and Fairfield, Conn. Published September 18, 1934.

14,948.—*Title:* PICTURE OF A MAN WHO HAS JUST WASTED 3 MINUTES. For Dentifrice. MCKESSON & ROBBINS, INC., Bridgeport and Fairfield, Conn. Published July 17, 1934.

14,949.—*Title:* SPECIALISTS IN FOOT COMFORT. For Shoes. ORTHOPEDIC SHOES INC., New York, N. Y. Published October 10, 1934.

14,950.—*Title:* THERE'S A BRAND NEW, GRAND NEW TREAT IN STORE FOR YOU! For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 2, 1934.

14,951.—*Title:* GRAND ON FIRST TASTE, AND GRANDER THE BETTER YOU KNOW IT, (AD NO. 3). For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published October 2, 1934.

14,952.—*Title:* 25 CENTS A BOTTLE TO YOUR CUSTOMERS—40% PROFIT TO YOU PABSTONIC. For Malt Tonic. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published October 0, 1934.

14,953.—*Title:* I VANT THE MOST I CAN GET OF THE BEST THERE IS. DOT'S VY I VANT BLUE RIBBON MALT! For Malt Extract. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published October 10, 1934.

14,954.—*Title:* NORTH EAST WEST SOUTH . . . (AD NO. 157). For Beer. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published October 1, 1934.

14,955.—*Title:* 5 TIMES AS MUCH VITAMIN 'B' AND 'G' AS AVERAGE MEAL! For Malt Tonic. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published August 10, 1934.

14,956.—*Title:* HERE'S NEEDED STRENGTH FOR NURSING MOTHERS. For Malt Tonic. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 21, 1934.

14,957.—*Title:* DO YOU NEED A SYSTEMATIC INVIGORATING AGENT—NEW VITAL FORCE? For Malt Tonic. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published August 31, 1934.

14,958.—*Title:* HERE'S THE WAY TO BUILD UP YOUR APPETITE—TRY IT! For Malt Tonic. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 20, 1934.

14,959.—*Title:* GOOD NEWS TRAVELS FAST! (AD NO. 2806). For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 6, 1934.

14,960.—*Title:* WHEN YOUR TASTE IS JADED—'TRY THIS GRAND NEW, BETTER ALE!' (AD NO. 2808). For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 18, 1934.

14,961.—*Title:* EVERYBODY SAYS—"THIS IS A BETTER ALE!" (AD NO. 2811). For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 27, 1934.

14,962.—*Title:* WHENEVER YOU'RE TENSE, R-E-L-A-X THIS DELIGHTFUL WAY! For Beer. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 21, 1934.

14,963.—*Title:* THEY'RE ALL SAYING—'IT IS A BRAND NEW, GRAND NEW TASTE!' (AD NO. 3808). For Ale, PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published August 29, 1934.

14,964.—*Title:* PEOPLE ARE NOW ASKING! WHY DIDN'T SOMEBODY BREW AN ALE LIKE THIS BEFORE? (AD NO. 3805). For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published September 6, 1934.

14,965.—*Title:* THERE'S A BRAND NEW GRAND TASTE IN TOWN! (AD NO. 5801). For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published August 3, 1934.

14,966.—*Title:* EAT RY-KRISP IF YOU WANT A FIGURE LIKE THE MOVIE STARS SAYS MME. SYLVIA OF HOLLYWOOD (FLOOR STAND). For Food for Human Consumption. RALSTON PURINA COMPANY, St. Louis, Mo. Published August 31, 1934.

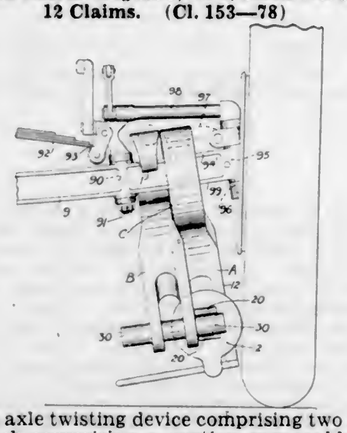
14,967.—*Title:* MOTHERS! HERE'S A HOT CEREAL CHILDREN LOVE TO EAT—TOM MIX. (FLOOR STAND). For a Cereal. RALSTON PURINA COMPANY, St. Louis, Mo. Published August 31, 1934.

19,397
WELL BORING MACHINE
Clyde E. Bannister, Akron, Ohio
Original No. 1,965,563, dated July 10, 1934, Serial No. 271,923, April 21, 1928. Renewed July 20, 1932, which is a continuation of application Serial No. 111,471, May 21, 1926. Application for reissue October 22, 1934, Serial No. 749,361
10 Claims. (Cl. 255—4)



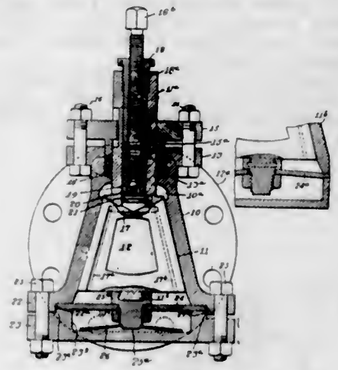
8. Well-boring apparatus comprising an oscillating bit, means for oscillating said bit, an inertia member closely confined to the vicinity of the bit for sustaining locally by its inertia substantially the entire reaction force of the said oscillating means, and means for circulating a fluid to wash the cuttings to the top of the well.

19,398
AXLE TWISTING DEVICE
Claude C. Bennett, Seattle, Wash., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Original No. 1,818,680, dated August 11, 1931, Serial No. 490,455, October 22, 1930. Application for reissue August 9, 1933, Serial No. 684,440
12 Claims. (Cl. 153—78)



1. An axle twisting device comprising two members, each comprising a portion engageable with the sides and over the top of an axle, and an arm projecting therefrom, the axle-engaging portions being adapted to lie side by side in engagement with the axle, and slightly spaced longitudinally thereof, and the arms, when the respective axle-engaging portions are thus engaged with the axle, being spaced angularly about the axle, a support on one arm offset laterally from the plane of the corresponding axle-engaging portions, and jack means engaging said offset support and the other arm, and operable to vary the angular spacing of the two arms, and said jack means being movable in a plane substantially normal to the axle between the two axle-engaging portions.

19,399
VALVE
Jesse C. Martin, Jr., Los Angeles, Calif., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Original No. 1,851,259, dated March 29, 1932, Serial No. 243,992, December 31, 1927. Application for reissue November 28, 1933, Serial No. 700,152
31 Claims. (Cl. 251—93)

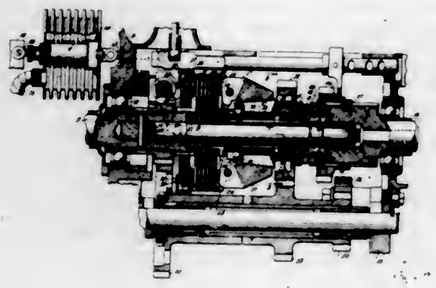


23. A valve comprising a casing having a seat therein, a plug positioned in operative relation to said seat, means for maintaining the plug in seated operative position, said means including a flexible metallic closure for the casing secured thereto and carrying means contacting with one end of the plug and forming a bearing therefor, and means extending from the other end of the plug adapted to be engaged to effect turning of the plug.

19,400
TRANSMISSION
Frank C. Mock, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original No. 1,920,579, dated August 1, 1933, Serial No. 602,038, March 30, 1932. Application for reissue November 27, 1933, Serial No. 699,994
29 Claims. (Cl. 74—336)

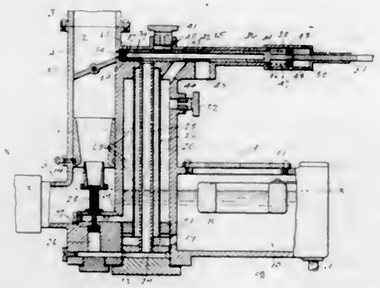
1. In a device of the character described, a driving shaft, a driven shaft, a clutch for connecting the shafts, vacuum means for controlling the clutch, speed responsive means for controlling

the clutch, torque responsive means for controlling the clutch, and means for connecting the



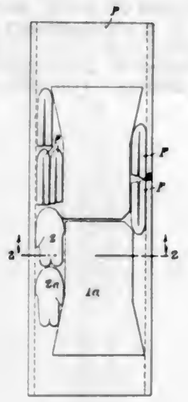
shafts around the clutch upon disengagement thereof.

19,401
AUTOMATIC FUEL REGULATOR
Charles L. Stokes, Beverly Hills, Calif., assignor, by mesne assignments, to Lynn A. Williams, Evanston, and Clifford C. Bradbury, Glencoe, Ill., successor trustees
Original Application 1,861,725, dated June 7, 1932, Serial No. 142,761, October 19, 1926. Application for reissue March 13, 1933, Serial No. 660,554
15 Claims. (Cl. 123—119)



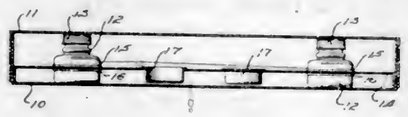
1. In a carburetor, a mixing chamber, a throttle controlling the outlet from the mixing chamber, a liquid fuel reservoir, a well between the mixing chamber and reservoir divided into two parts and supplied with liquid fuel from the reservoir, a liquid feed passage supplied from the well having its ends discharging into the mixing chamber one on each side of said throttle and a second liquid feed passage supplied from the upper part of the well and discharging into the mixing chamber.

19,402
METHOD OF MAKING IMITATION PIGSKIN ARTICLES
Sylvan M. Straus, Gloversville, N. Y.
Original No. 1,922,507, dated August 15, 1933, Serial No. 673,996, June 2, 1933. Application for reissue June 14, 1934, Serial No. 730,654



3. A method of making an imitation pigskin article, which consists in applying to a sheet of paper the pieces of leather which correspond to the article, said pieces of leather being in the finished form, and then simultaneously pricking a pattern in all said pieces of leather.

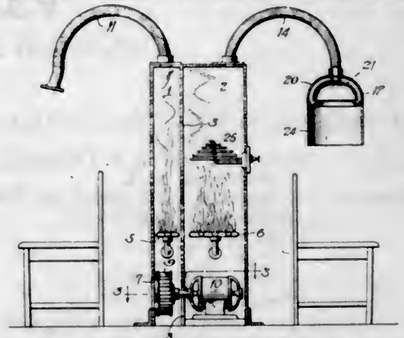
19,403
PACKAGE
Walter E. Wilson, Detroit, Mich,
Original No. 1,950,203, dated March 6, 1934, Serial No. 665,049, April 8, 1933. Application for reissue March 22, 1934, Serial No. 716,614
16 Claims. (Cl. 41—4)



16. In a package comprising a carton having a spacer element therein and in which the spacer element is provided with an opening having rectilinear edges; a bottle having upright rectilinear side walls conforming to said rectilinear edges of the opening and adapted to be vertically inserted into the opening for confinement therein by contact with said edges, a circumferential bead projecting outwardly from said side walls and adapted to lap the adjacent rectilinear edges of said opening and cooperating therewith to resist substantial tilting of the bottle in the carton or turning movement thereof within said opening.

19,404
HAIR DRYING APPARATUS
Ludwig Werner, Brooklyn, N. Y., assignor to Eastern Laboratories Incorporated, New York, N. Y., a corporation of New York
Original No. 1,966,084, dated July 10, 1934, Serial No. 549.366, July 8, 1931. Application for reissue November 7, 1934, Serial No. 751,915
3 Claims. (Cl. 34—26)

3. A hair drying machine for beauty parlors comprising two vertical flues side by side, a centrifugal fan in one flue and a motor for driving the fan in the other flue, an opening from the exterior into the flue containing the fan to admit air to the fan, and an opening between the two flues adjacent the fan and the motor, the side of said centrifugal fan facing the said second mentioned opening being closed by an imperforate disc, so that said centrifugal fan delivers air to both flues, means in each flue for heating the air therein, means for regulating the heating means so that cool air may be delivered from one flue and hot air from the other flue, and means communicating with said flues to direct the air from said flues against the hair of a person.



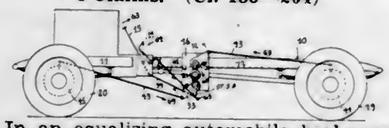
PATENTS

GRANTED DECEMBER 18, 1934

1,984,352
SELF-EQUALIZING BRAKE MECHANISM FOR VEHICLES

Eugene Alterio and Joseph F. Clements, New York, N. Y.

Application December 19, 1933, Serial No. 703,036
4 Claims. (Cl. 188—204)

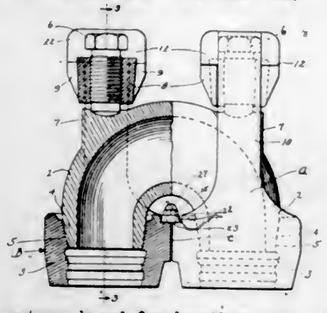


1. In an equalizing automobile brake operating mechanism, a rockable shaft operated by the driver; slidable and rotatable elements rocked by said shaft, and operating link members connecting said slidable and rotatable elements to the brakes on the respective wheels of the automobile being adapted to put said brakes in an operative position or to release them, through the movement of said slidable and rotatable elements, as desired, said slidable and rotatable elements being in the form of toothed segments operated by gears on said shaft.

1,984,353
RETURN BEND

Ralph Burke, Milwaukee, Wis., assignor to Sivyer Steel Casting Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 11, 1934, Serial No. 734,651
19 Claims. (Cl. 285—20)



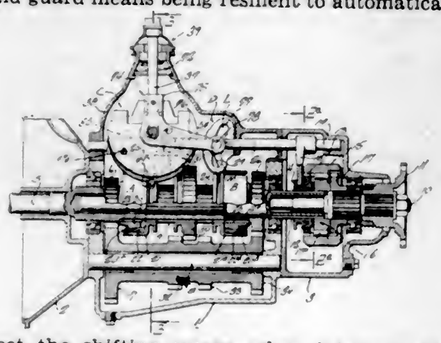
1. A return bend for heating coils comprising a fitting having two upstanding arms each with a plurality of shoulders, a conduit section inserted between the arms and a vertically movable toggle plate having forked means on opposite ends for engaging said shoulders on said arms, whereby said plate may be aligned in its vertical movement.

1,984,354
TRANSMISSION MECHANISM FOR MOTOR VEHICLES

Leon Jay Campbell, Buchanan, Mich., assignor to Campbell-Buchanan Corporation, Chicago, Ill., a corporation of Illinois

Application October 3, 1932, Serial No. 635,957
18 Claims. (Cl. 74—339)

1. The combination with a change speed transmission and an overrunning clutch device for a motor vehicle, of shifting means for the transmission, a rockably mounted member connected with the clutch device to control the action thereof and disposed for interconnection with the shifting means, and guard means carried by said member to prevent unintentional interconnection of the shifting means with the member, said guard means being resilient to automatically

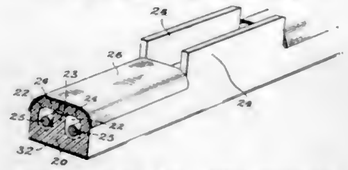


eject the shifting means when interconnected with said member out of connection therewith on the member and the shifting means reaching neutral position and to automatically lock the member against accidental movement when in neutral position.

1,984,355
ELECTRIC WIRING SYSTEM

Charles W. Abbott, Larchmont, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application October 30, 1931, Serial No. 571,962
28 Claims. (Cl. 247—3)



1. In apparatus of the class described, a rubber conduit having a base portion and a plurality of raceways extending therealong and open lengthwise thereof, adjacent raceways being separated by a ridge upstanding from said base portion, a reinforcing fabric embedded in said base portion and reinforcing those parts of the latter that are weakened by the raceways in said conduit, an adhesive on the back of said base portion for securing said conduit to a wall or the like and thereby holding said base portion against distortion out of the plane of said wall, a rubber strip closing over said raceways, means securing said strip to the edge portions of the conduit, and a fabric secured to the top of said rubber strip.

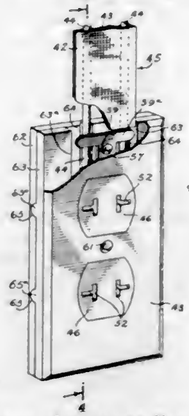
1,984,356
ELECTRIC WIRING SYSTEM

Charles W. Abbott, Larchmont, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application December 10, 1931, Serial No. 580,111
26 Claims. (Cl. 247—3)

1. In apparatus of the class described, a rope-like hanging conductor, hook means for attaching it to a moulding, said hook means including

a conical member for receiving the hanging conductor, and means for securing said hanging conductor to said hook means, said securing means

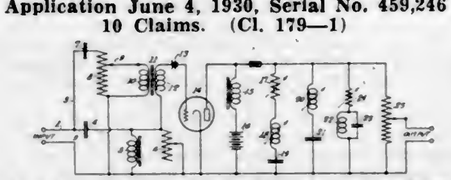


including means for spreading said rope-like hanging conductor against the inside wall of said conical member.

1,984,357
TONE CONTROL

Julius G. Aceves, New York, N. Y., assignor, by mesne assignments, to Louis Gerard Pacent, New York, N. Y.

Application June 4, 1930, Serial No. 459,246
10 Claims. (Cl. 179—1)

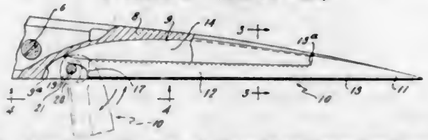


4. A system for selectively reinforcing different frequencies of a signal comprising a pair of parallel circuits, the first circuit comprising series connected capacitance and a transformer primary having constants such that the impedance of the circuit to frequencies above a predetermined value approaches the impedance of the transformer primary alone, the second circuit comprising series connected capacitance and inductance having constants such that the circuit is resonant at a predetermined low frequency, a third circuit comprising in series the transformer secondary and the inductance of said second circuit, an electron discharge device having its input electrodes connected to said third circuit, and resistances in said first and second circuits for controlling the degree of reinforcement effected by said circuits.

1,984,358
SHEARS

Albert P. Boucher, Portsmouth, N. H.

Application April 14, 1932, Serial No. 605,149
9 Claims. (Cl. 30—13)

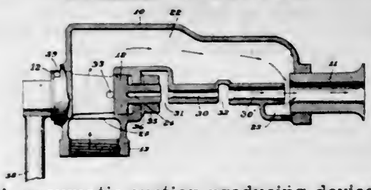


1. A cutting device of the class described comprising a pair of blade members, a pivotal connection therebetween, each of said blade members having a longitudinal groove therein, the groove of one member opening toward the other member, a removable cutting element associated with each of said blade members, each cutting element having a relatively thin tongue portion adapted to be received in interfitting relation with the groove of the blade member, and pin and recess means provided by each blade member and cutting member to aid the interfitting engagement of the same, each cutting member having a tip portion and a body portion relatively thicker than the tongue portion, said tip portion having a planar shoulder shaped to engage the end of the shank of a blade member.

1,984,359
DEVICE FOR PRODUCING AIR BLASTS OR SUCTION

Arthur L. Bridgham, Boston, Mass.

Application August 1, 1933, Serial No. 683,175
4 Claims. (Cl. 230—95)

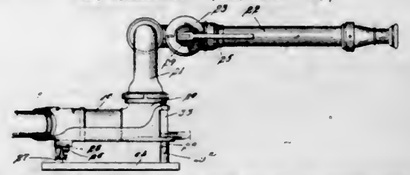


1. A pneumatic suction producing device comprising a casing having a vacuum chamber and an air discharge pipe leading from said chamber, a primary and secondary nozzle, the bore of said secondary nozzle being larger than that of said primary nozzle, said nozzles being arranged in axial alignment and having an air space between them open to the entry of air at atmospheric pressure, and the secondary nozzle being so arranged that its discharge end extends into said vacuum chamber in alignment with said discharge pipe to form an ejector that exhausts air from said chamber, and means for supplying air under pressure to said primary nozzle to cause it to direct a jet of air across said space between the nozzles into the secondary nozzle whereby said jet will be amplified by air from the atmosphere to form a larger stream of air discharge from the secondary nozzle into said pipe with a suction action that exhausts air from said chamber.

1,984,360
BRACKET FOR A TURRET STANDPIPE

John T. Corley, Providence, R. I., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I., a corporation of Rhode Island

Application March 5, 1929, Serial No. 344,337
Renewed May 26, 1933
10 Claims. (Cl. 299—73)

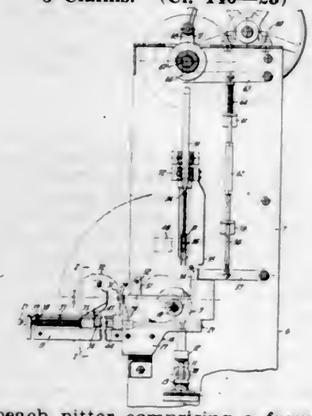


1. In a fire fighting apparatus, in combination, a turret standpipe for fire hose, a supporting bracket having spaced portions, cooperating recess and detent means respectively positioned on said standpipe and one portion of said bracket for mounting the standpipe thereon, and means

on the other bracket portion for releasably locking said cooperating means in engagement.

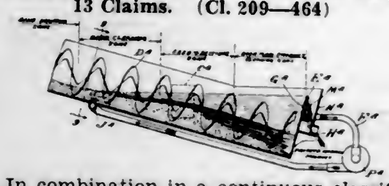
9. In a fire fighting apparatus, a bracket support, a pipe having a horizontal branch to rest on said bracket and an elbow, a nozzle mounted on the elbow, collapsible legs carried by said pipe having an unfolded position such that when said pipe is placed with its horizontal branch on the ground they serve in cooperation therewith to hold said elbow upright, means for retaining said legs in folded position, said legs having a portion which bears on the ground when the pipe is removed from the bracket support and on said support when the pipe is positioned thereon and quick detachable clamping means for securing said pipe to its support.

1,984,361
PEACH PITTER
Harry H. Davison and John F. Pagendarm, San Francisco, Calif., assignors to Davison-Woods Manufacturing Co., Ltd., San Francisco, Calif., a corporation of California
Application March 28, 1933, Serial No. 663,129
8 Claims. (Cl. 146—28)



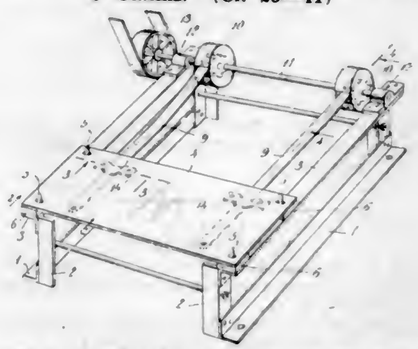
1. A peach pitter comprising a frame, a carriage pivotally mounted on said frame, means mounted on said carriage for holding a peach, means for advancing said holding means on said carriage during pivotal movement of said carriage on said frame, and means on said frame for pitting a peach on said carriage when said carriage is in a predetermined pivotal position.

1,984,362
ORE CLASSIFIER
Thomas A. Dickson, Denver, Colo., assignor to Colorado Iron Works Company, Denver, Colo., a corporation of Maine
Application July 1, 1931, Serial No. 548,224
13 Claims. (Cl. 209—464)



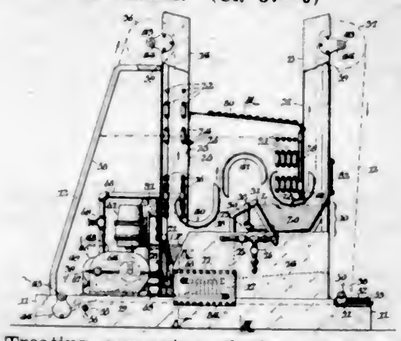
1. In combination in a continuous classifier, a tank providing a substantially quiescent pool, means for continuously feeding pulp into said quiescent pool, means for continuously removing the settled solids, a weir for continuously overflowing a fine product comprising liquid with suspended solids from said pool, and means for withdrawing thin pulp and reintroducing it into said substantially quiescent pool, said withdrawn thin pulp comprising a portion of the overflow over said weir, a receptacle beyond said weir to receive the overflow from said weir, said receptacle having an outlet in its wall for the discharge of the overflow product, and a second outlet for withdrawing said thin pulp to be reintroduced into said pool.

1,984,363
MOLD VIBRATOR
Charles Dietrichs, Little Ferry, N. J., assignor to Walker Cement Products, Inc., Little Ferry, N. J., a corporation of New Jersey
Application February 24, 1930, Serial No. 430,764
6 Claims. (Cl. 25—41)



4. In a machine for molding concrete articles, a mold support, means for resiliently supporting the same, an elongated plate spring rigidly secured at one end to said support and projecting freely therefrom, and a toothed wheel mounted for rotation adjacent the free end of said spring, the end of said spring coacting with the tips only of the teeth of said wheel whereby the spring is allowed to vibrate freely after each release thereof by said teeth.

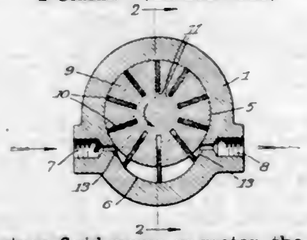
1,984,364
APPARATUS FOR TREATMENT WITH SOLVENTS
Clarence F. Dinley, Detroit, Mich., assignor to James H. Bell, Philadelphia, Pa.
Application July 7, 1932, Serial No. 621,319
12 Claims. (Cl. 87—6)



1. Treating apparatus of the character described, for treating things therein with hot volatile solvent whose vapor is heavier than air, closed to exclude air and retain the vapor, but having an open upright stack or duct for passage

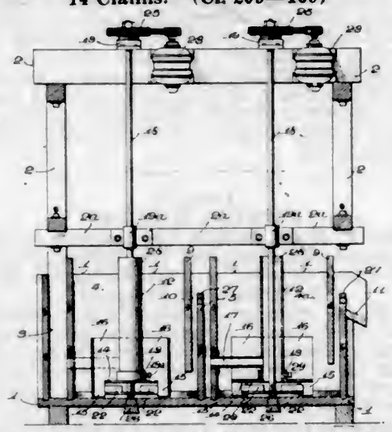
of the things treated extending above the highest interior point of said apparatus and also downward into its interior, means in said apparatus for treating things therein with hot liquid solvent, means for condensing solvent vapor in said stack and thus preventing its escape therefrom, and means in the interior of the apparatus, beyond the stack opening thereinto, for also condensing the solvent vapor.

1,984,365
ROTARY PUMP OR MOTOR
Raymond English, Clinton, Ill.
Application February 2, 1933, Serial No. 654,786
1 Claim. (Cl. 103—136)



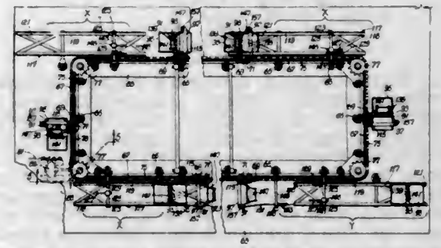
In a rotary fluid pump or motor, the combination with a pump housing having a main cylindrical bore, said housing being provided with a true cylindrical recess having an axis parallel to the axis of the main cylindrical bore forming a fluid passage and communicating with and interrupting the periphery of said main bore, the radius defining said recess being less than that of said bore and the uninterrupted portion of the periphery of said main bore being substantially greater than one hundred and eighty degrees, vanes slidably supported in said rotor for outward radial movement into engagement with the walls defining said main bore and said recess, and fluid ports formed of the same size and disposition in said housing and communicating with said recess adjacent each circumferential end thereof, said ports, recess, and main bore being symmetrical on opposite sides of a plane containing the axis of said main bore and the axis of said recess.

1,984,366
MACHINE FOR FLOTATION OF ORES
Arthur William Fahrenwald, Moscow, Idaho
Application May 27, 1927, Serial No. 194,661
14 Claims. (Cl. 209—169)



2. A pulp agitating mechanism comprising: a tank; a shaft vertically suspended in said tank; an impeller carried on the lower extremity of said shaft; a stationary sleeve spaced from and surrounding said shaft and terminating above said impeller; and a stationary disk-like flange surrounding the lower extremity of said sleeve and extending outwardly therefrom so as to substantially cover said impeller and prevent pulp from settling thereon.

1,984,367
DISTRIBUTION SYSTEM FOR SHOE FACTORIES
Myron O. Frost, Richmond Heights, and Peter Mattler, St. Louis, Mo., assignors, by mesne assignments, to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Original application June 20, 1932, Serial No. 618,251. Divided and this application November 16, 1932, Serial No. 642,915
12 Claims. (Cl. 198—38)



1. In shoe machinery, conveying means, carriers adapted to be applied to said conveying means to be moved thereby from a distributing station, movable tripping means, said tripping means being adapted to be selectively placed on the carriers, means engageable at receiving stations with said tripping means to release the carriers at predetermined stations, tags applicable to the carriers at said receiving stations, said carriers being returnable to the conveying means, and means at said distributing station for automatically removing said tags from said carriers in the order of the approach of said carriers to said distributing station.

1,984,368
COATING AND IMPREGNATING COMPOSITION
Henry A. Gardner, Washington, D. C.
No Drawing. Application December 15, 1931 Serial No. 581,275
8 Claims. (Cl. 134—21)

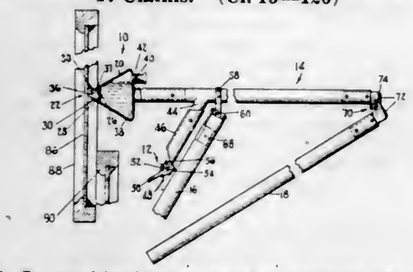
2. As a new coating composition, a solution comprising an aryisulfonamid-aldehyde resin dissolved in an aqueous alkaline liquid, the amount of said dissolved resin forming approximately half of the composition, the strength of alkali being sufficient to permit a further dilution with water.

1,984,369
HEAT CARRIER FOR HIGH TEMPERATURES
Karl Gensch, Berlin, Germany, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Application May 24, 1933, Serial No. 672,734. In Austria May 30, 1932
8 Claims. (Cl. 252—5)

6. An indirect heating system employing as the heat carrying medium a molten mixture comprising preponderantly chloride of zinc, and containing sufficient metal halide of the class con-

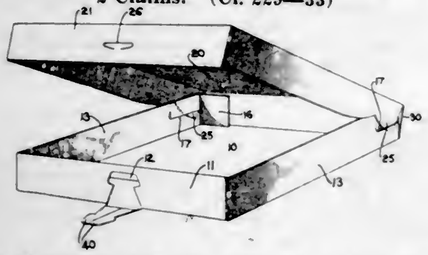
sisting of potassium-, sodium-, lithium-, and iron-chloride to impart to the mixture a melting point materially below that of the preponderant metal halide.

1,984,370
WINDOW CLEANING APPARATUS
Israel Goldsmith, New York, N. Y.
Application February 11, 1930, Serial No. 427,452
17 Claims. (Cl. 15—126)



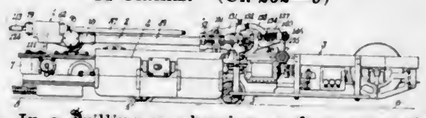
1. In combination, a window washing element, a window wiping element, a supporting rod retaining both of said elements, said elements being disposed in spaced angular relation on said rod so that, when either is positioned in effective relation to a window surface to be cleaned, the other will be clear of all portions of said window, and means engaging said rod for positioning said elements to direct their effective portions toward the operator, said means being operable to position either of said elements selectively with relation to a surface to be cleaned, obversely located relatively to the position of the operator, and to make that element individually operative in its cleaning function upon the window surface while simultaneously being operative to move said elements along said surface.

1,984,371
FOLDING CARTON
Theodore C. Hazard and Wilbur Glenn Anderson, Grand Rapids, Mich., assignors to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application November 14, 1932, Serial No. 642,582
2 Claims. (Cl. 229—33)



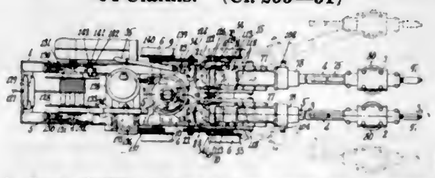
1. A folding box comprising a bottom member having upturned side members, said side members continuing around adjacent corners of the bottom member for a short distance and having slits extending from said corners back along the said side members, a connecting member integrally connected onto said bottom member at that side of the bottom member adjacent to the said corners from which the said slits extend, a top member extending from said last mentioned connecting member, said top member having depending side members thereon, and portions on the last mentioned side members adapted to be inserted through the slit members, said portions each having an edge adapted to cam against the rear side of its slit whereby the connecting member is held tightly against that portion of the side member which continues around the corner.

1,984,372
DRILLING TOOL
Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 23, 1927, Serial No. 200,826
Renewed August 25, 1932
44 Claims. (Cl. 262—9)



1. In a drilling mechanism, a frame, an elongated boom structure pivotally mounted on said frame and including a swingable boom support having an upstanding projection thereon, a drilling tool carried at the outer extremity of said boom structure, and devices for swinging said boom structure about its pivot relative to said frame including cooperating screw and nut elements having relative rotative and rectilinear movement, means for rotating one of said elements to effect rectilinear movement of the other, and connections between said rectilinearly movable element and said upstanding projection.

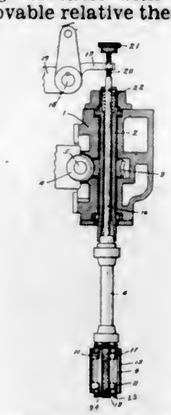
1,984,373
DRILLING APPARATUS
Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 16, 1928. Serial No. 319,922
54 Claims. (Cl. 255—51)



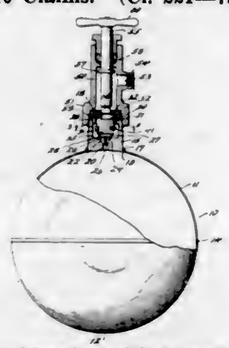
1. In a drilling apparatus, a portable support, a motor thereon, horizontal turntables mounted on said support for rotation about parallel vertical axes, a forwardly extending adjustable supporting structure mounted upon and supported by each turntable, a drilling tool mounted on the outer extremity of each supporting structure, and driving connections between said motor and said drilling tools.

1,984,374
LAPPING MACHINE
Wilson P. Hunt, Moline, Ill., assignor to Hutto Engineering Company, Inc., Detroit, Mich.
Application October 17, 1927, Serial No. 226,717
3 Claims. (Cl. 51—184.3)

1. In a cylinder grinding tool, expansible abrading elements, a support for said elements, means for connecting said support to a source of power for rotary movement thereof, including a hollow intermediate shaft and a joint affording universal action, means in said support for adjusting said elements, a spring-pressed adjusting rod within said hollow shaft connected at one end to said element-adjusting means and at its opposite end extending beyond said hollow shaft, said rod being rotatable with said hollow shaft and axially movable relative thereto, and a manually operable adjusting element engaging the outer end of said adjusting rod for effecting axial movement of said rod.



1,984,375
CONTAINER FOR COMPRESSED GASES AND LIQUIDS
Charles Wiswell Johnston, Portsmouth, Va.
Application September 10, 1932, Serial No. 632,595
10 Claims. (Cl. 221—73.5)



1. The combination with a container for compressed or liquefied gases, of an outlet spud irremovably secured thereto and having a bore and counterbore communicating with the interior of the container, a valve seat between said bores, a valve member adapted to cooperate with said seat to close said bore, a plug having threaded engagement with the walls of said counterbore and adapted to press the valve onto its seat, and means to prevent the complete removal of said plug, said valve member being unattached so that pressure of entering fluid automatically seats it.

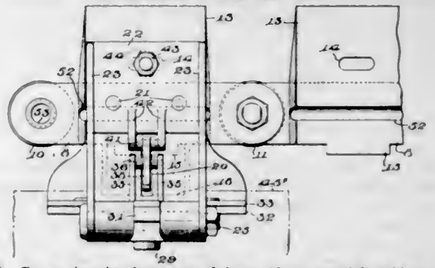
1,984,376
LOOSE LEAF BINDER
Erik L. Krag, Chicago, Ill., assignor of one-tenth to E. J. Andrews, Chicago, Ill.
Application August 23, 1930, Serial No. 477,290
13 Claims. (Cl. 129—13)

12. A loose-leaf binder comprising a casing, means on each side of said casing for holding loose-leaf prongs, means for varying the distance between said holding means, said varying means comprising a shaft rotatably mounted in said casing, a gear rack fixed to one of said holding means, a pinion fixed to said shaft and meshing with said rack, means for rotating said shaft comprising an arm fixed to said shaft, a stop fixed to said casing, and means on said



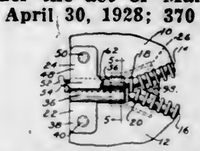
arm adapted to coact with said stop when said holding means are in their open positions.

1,984,377
TENTERING DEVICE
Ira R. Krug, Philadelphia, Pa., assignor of forty-five one-hundredths to C. Earl Beatty and ten one-hundredths to Mildred M. Krug, Philadelphia, Pa.
Application June 10, 1933, Serial No. 675,156
8 Claims. (Cl. 26—62)



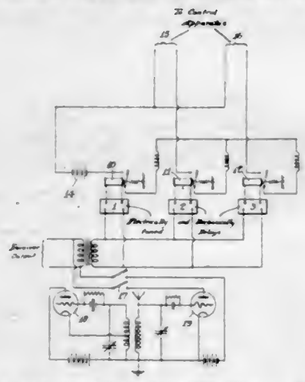
1. In a tentering machine, the combination of a track, a chain link movable with respect to said track, a bracket secured to said link and comprising a platen and a struck-up arm, an oscillatable nipper carried by said arm, and a toggle pivotally mounted with respect to said platen and connected to said nipper, said toggle when resting upon a web lying upon said platen being operative to maintain said nipper in spaced position with respect to said platen, and when such web is withdrawn from beneath said toggle, said nipper being permitted to engage and bind such web against said platen.

1,984,378
SEPARABLE FASTENER
Frank G. Manson, Dayton, Ohio, assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application September 6, 1932, Serial No. 631,811
7 Claims. (Cl. 24—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



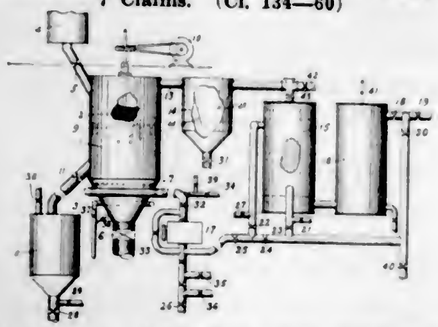
7. A separable fastener comprising a pair of flexible stringers, interlocking members on said stringers, a separable stringer end connection comprising an entering member having a locking engaging portion, a spacer portion and a camming portion, a receiving member having a complementary locking engaging portion and a slider for engaging and disengaging said interlocking members provided with spaced lateral flanges to receive therebetween the spacer portion of said entering member when said entering and receiving members are in partial engagement and to engage with the camming portion and guide said entering member into fully locked position with said receiving member.

1,984,379
INTERFERENCE PREVENTION FOR RADIO OPERATED RELAYS
Carlos B. Mirick, Washington, D. C.
Application July 9, 1931, Serial No. 549,728
6 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



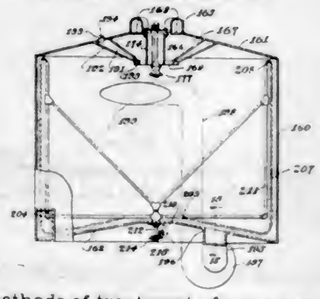
1. In a system for guarding radio operated relays against interference, when a wave of radio frequency modulated at a plurality of frequencies has been transmitted, received and detected; a first group of tuned electrical systems operable each at a separate predetermined frequency and functioning simultaneously to supply potential to a plurality of control circuits, a plurality of other groups of tuned electrical systems each operable at a separate predetermined frequency, each of said other groups functioning simultaneously with said first group to operate a control circuit, and means for impressing said modulation frequencies simultaneously upon all of said groups of tuned electrical systems.

1,984,380
PROCESS OF PRODUCING CHEMICAL REACTIONS
William W. Odell, Pittsburgh, Pa.
Application December 17, 1929, Serial No. 414,710
7 Claims. (Cl. 134—60)



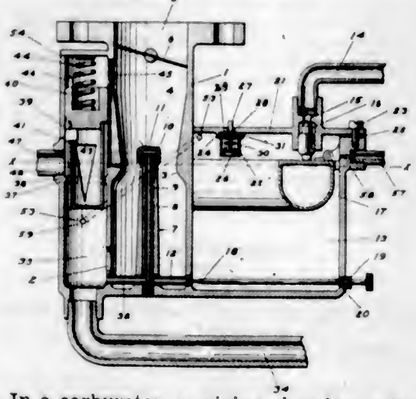
1. A process of producing vapor phase chemical reactions in a gaseous fluid-stream, comprising, passing a gaseous stream initially comprised of a plurality of gaseous fluids capable of chemically reacting with one another into contact with and upwardly through a confined layer of granular catalytic material of considerable depth at such a rate that said layer is maintained in a state of motion such that the layer presents the appearance of a boiling liquid, meanwhile maintaining the temperature of said material favorable for causing chemical reaction between said fluids, thereby forming chemical reaction products essentially from said fluids by virtue of their intimate contact with said material, and withdrawing them in said stream.

1,984,381
METHOD AND APPARATUS FOR TREATMENT OF NONGASEOUS MATERIALS
David D. Peebles, Eureka, Calif.
Application March 29, 1932, Serial No. 601,809
23 Claims. (Cl. 159—4)



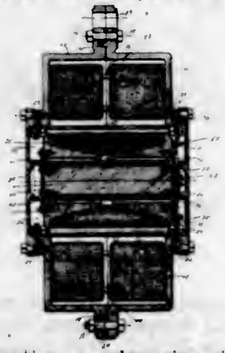
2. In methods of treatment of non-gaseous materials in suspension in a gaseous medium, involving the maintenance of an inner zone of gaseous medium into which non-gaseous material and gaseous treating medium are introduced, and an outer swirling zone of gaseous medium around said inner zone, the step which comprises removing gaseous medium from a position somewhat inwardly from the periphery of said outer zone and reintroducing gaseous medium so removed into said outer zone with a tangential component of direction, so as to maintain the swirling movement and establish an outer zone of substantially predetermined thickness.

1,984,382
CARBURETOR
Augustin M. Prentiss, San Antonio, Tex.
Application January 25, 1932, Serial No. 588,758
15 Claims. (Cl. 261—72)



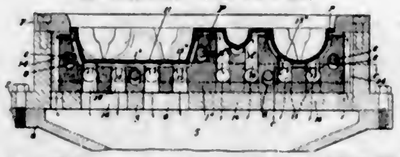
1. In a carburetor, a mixing chamber, a liquid fuel supply thereto under a constant superatmospheric pressure, and means for supplying air thereto under such a variable superatmospheric pressure that the two supplies always bear a desired predetermined ratio to each other under all operating conditions.

1,984,383
UNDERWATER TRANSMITTER AND RECEIVER
Philip T. Russell, Mount Rainier, Md.
Application October 9, 1929, Serial No. 398,491
3 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In combination, a submarine signaling apparatus comprising a casing, parallel and oppositely disposed vibratory diaphragms, means securing the diaphragms to said casing, said securing means having a plurality of portions thereof projecting at equal distance from the surface of the casing and diaphragm, electrodynamic means within said casing in operative relation to said diaphragms for converting electrical impulses into sound impulses and vice versa, and attracting means within said casing adapted to attract the casing to the hull of a submarine whereby the projecting portions on one side of said casing are held against the hull for positioning one of said diaphragms parallel to and juxtaposed to the hull.

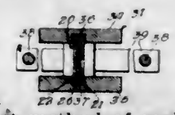
1,984,384
LAMINATED DIE
William M. Sheffield, New York, N. Y.
Application February 14, 1933, Serial No. 656,747
19 Claims. (Cl. 92—57)



1. A mold comprising a casing, a plurality of assembled laminæ having contoured marginal surfaces for fibre deposit under suction, said assembly having collectively a chambering adjacent the marginal edges of the laminæ disposed transversely to the laminal trend and in drainage and suction relation to the fibre receiving surfaces of the contourations to effect equalized distribution of the fibre and relief of the suspending fluid.

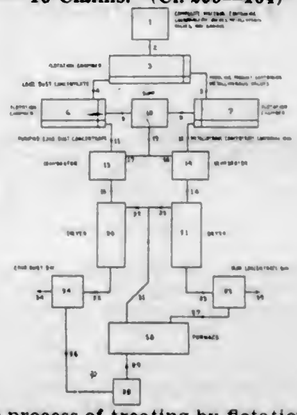
1,984,385
METHOD OF MAKING COMPOSITE METAL BEARING PLATES
Glenn L. Sherwood and Henry L. Johnson, Niles, Mich., assignors, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application November 5, 1931, Serial No. 573,232
5 Claims. (Cl. 22—203)

1. The herein described method of producing bi-metal plates for use in making bi-metal bearing sleeves, and which consists in providing a plurality of molds in which the back parts of the sleeves are held in flat condition with mold spaces in front of the back plates, passing the molds in succession and in end to end relation into and out of a chamber containing molten bearing metal and below the surface thereof, the cool molds solidifying the molten metal in the mold spaces as the molds enter the chamber and thereby preventing the escape of the molten metal therethrough.



3. A continuous method of making composite bearing metal plates comprising the steps of providing a strip of bearing backing metal, superimposing a strip of heat-resisting metal on said strip whereby to define exposed areas on the latter substantially equivalent to the area of a finished bearing, and then longitudinally passing said strips through a bath of molten bearing metal.

1,984,386
PROCESS OF SEPARATING COMPOSITE MATERIALS
Frederick Tschudy, Ensley, Ala.
Application December 4, 1928, Serial No. 323,729
16 Claims. (Cl. 209—164)

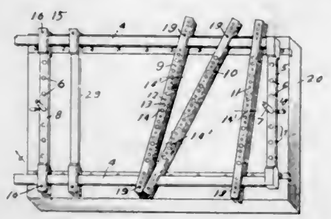


6. The process of treating by flotation flue dust and the like containing carbonaceous values, metalliferous values and gangue, comprising introducing flue dust into a flotation bath having present a gaseous medium strongly and controllably charged with electrical ions, floating from said bath a carbonaceous concentrate, collecting a gangue containing metalliferous values, introducing the carbonaceous concentrate into a flotation bath having present a gaseous medium strongly and controllably charged with electrical ions, floating a relatively pure carbonaceous material therefrom, introducing said gangue containing the metalliferous values into a flotation bath strongly and controllably charged with electrical ions, and floating a metalliferous concentrate therefrom.

1,984,387
JIG FOR MOUNTING SPLIT PATTERNS
Albert Turner, Siles, Pa.
Application September 8, 1932, Serial No. 632,265
8 Claims. (Cl. 22—191)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

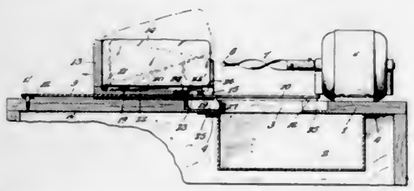
8. A method of determining the position of the parts of a split pattern on a pattern board,

comprising the steps of fixing the positions of a plurality of points to correspond to previously fixed relative positions of the dowel pins of a half of a split pattern, forming a group of holes to receive dowel pins in conformity with



the said points, forming another group of holes in conformity with said points but in relative positions having a relation of bilateral symmetry to the aforesaid holes, and mounting the two halves of the pattern with the dowel pins thereof in the said groups of holes.

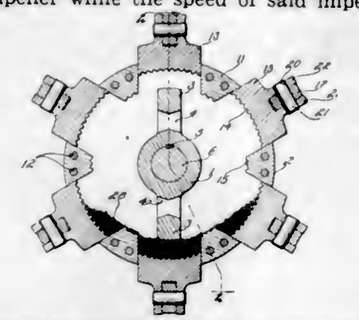
1,984,388
BREAD-BORING APPARATUS
Clarence H. Wilkes, Schenectady, N. Y.
Application September 14, 1933, Serial No. 689,477
4 Claims. (Cl. 146—106)



1. An apparatus for the purpose set forth comprising a support having an opening therein, a power driven auger mounted on the support, a receptacle upon the support below the opening therein, a guide plate secured upon the support in spaced relation thereto and having an opening below the auger and registering with the opening in the support, a bread holder slidably mounted on the plate and movable toward and away from the auger, said bread holder including a false bottom having one end thereof pivotally connected with the holder, and means for elevating the free end of the false bottom to partially eject the bread from the holder after retraction from the auger.

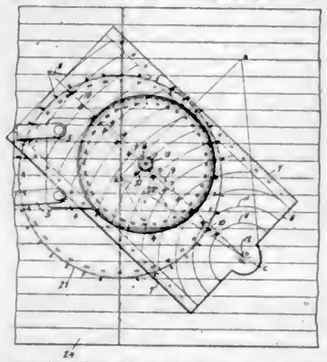
1,984,389
CLUTCH
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 14, 1931, Serial No. 515,795
17 Claims. (Cl. 192—58)

1. In a clutch mechanism, a shell, an impeller therein, said shell having a roughened inner periphery and confining a quantity of solid particles of small size but substantial mass, said particles, when subjected to the centrifugal force attendant upon desired speed of shell and impeller rotation, being operative to lock the impeller and shell against relative rotation, and means for permitting said confined particles to move, substantially exclusively in planes to which the axis of said impeller is perpendicular, out of the path of the impeller while the speed of said impeller is



maintained undiminished, and for returning said particles to the path of the impeller at will.

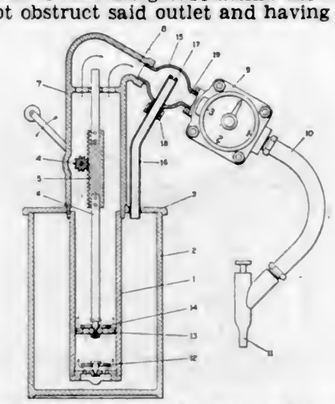
1,984,390
NAVIGATING INSTRUMENT
Jerauld Wright, United States Navy
Application June 1, 1934, Serial No. 728,560
3 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A navigational instrument, comprising a transparent compass rose mounted to be freely movable in a plane while maintaining a constant orientation, said rose having a surface adapted to be marked upon, a clamping pivot passing through the center of said rose, a member having a longitudinal slot in which said pivot is slidable and parallel opposite sides, said pivot having elements to clamp said member against sliding while permitting rotation thereof and other elements to clamp said member against rotation also, said member having on it a plurality of arcs of concentric circles whereof the center is alined with the median longitudinal line of the slot in said member.

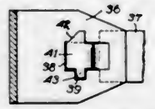
1,984,391
LIQUID PUMP
Robert S. Bassett, Buffalo, N. Y.
Application December 9, 1931, Serial No. 579,907
3 Claims. (Cl. 221—95)

1. A dispensing and measuring apparatus for viscous substances, such as grease, comprising a meter, a container for the grease, a pump having its inlet below the level of grease in said container and its outlet connected to the meter, a discharge line and a discharge nozzle, said pump, meter, discharge line and nozzle being mounted upon said container and connected together so that upon actuation of said pump grease will flow from said container through said meter, discharge line and nozzle in succession, and a bypass having its outlet in said container above the level of grease therein so as to be remote from the inlet to said pump and so that the grease within the container does not obstruct said outlet and having its inlet



in the path of the grease between said pump and meter so that air entrained in the stream of grease will be returned to said container above the grease therein, said bypass having a restricted neck section near the bypass inlet, substantially as and for the purpose described.

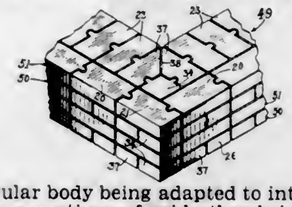
1,984,392
AUTOMOBILE BUMPER
Frank A. Bond, Pittsburgh, Pa., assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1931, Serial No. 532,018
2 Claims. (Cl. 293—55)



1. Bumper structure comprising front and back bars, one of said bars having a perforation extending in a direction approximately parallel to the longitudinal axis of the bar and having a vertically-extending recess in one of its longitudinal walls, a tongue-like projection at one end of the other bar provided with vertical extensions on its upper and lower edges, one of said extensions being of smaller dimension than the said recess, and the other extension being insertible through the perforation, the tongue being of smaller width than said perforation, and means for holding the said bars in assembled relation when said tongue lies within the perforation and the said extensions are disposed behind the first-named bar.

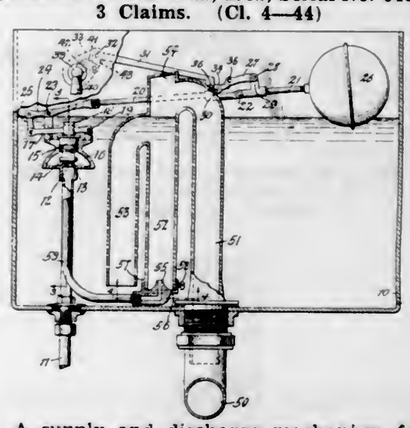
1,984,393
INTERLOCKING BUILDING BRICK
Phillip Brown, Brooklyn, N. Y.
Application September 23, 1932, Serial No. 634,465
5 Claims. (Cl. 72—38)

1. A corner unit for use in building construction including a plurality of bricks, one of said bricks comprising an angular body having a long side, a short side and an inclined end extending from one end of said long side to the terminus of said short side, said short side having a groove midway thereof and said long side having a tongue midway of said long side, and another of said bricks comprising a rectangular body, square at top and bottom and including a tongue portion at one of its sides and at one of its ends, each positioned midway of said side and end, respectively, the grooved portions of the short sides of



said angular body being adapted to interlock with the tongue portions of said other brick, with the inclined sides of said angular bodies in abutting relation, and means for securing said bodies one to another.

1,984,394
SUPPLY AND DISCHARGE MECHANISM FOR WATER CLOSET TANKS
Joseph S. Candee, Buffalo, N. Y., assignor to Catherine T. Candee, Buffalo, N. Y.
Application December 22, 1932, Serial No. 648,393
3 Claims. (Cl. 4—44)



1. A supply and discharge mechanism for a water closet tank having a water inlet and a water outlet, comprising a siphon arranged within the tank and having a downtake discharge leg communicating at its lower end with said outlet, an uptake ejector leg communicating at its upper end with the upper end of said downtake leg and opening at its lower end into said tank, and an uptake suction and filling leg communicating at its upper end with said uptake ejector leg at a point below the point of communication between said uptake ejector leg and said downtake leg, and a water ejector nozzle projecting upwardly into the lower end of said uptake ejector leg and communicating with said water inlet, said suction and filling leg serving to conduct water upwardly from the tank to said ejector leg during the first operation of the ejector for producing a siphonic discharge of the water from the tank and said suction and filling leg also serving to conduct water downwardly from the ejector leg to the tank for refilling the latter solely by the ejector during the last operation of the same.

1,984,395
HORTICULTURAL MARKING DEVICE
Fred C. Choate, Greenville, Mich.
Application April 26, 1934, Serial No. 722,497
1 Claim. (Cl. 40—16)

A device of the class described comprising a pair of approximately parallel plates united at their mutually adjacent lateral opposite ends, and a

vertical post adapted to be thrust into the ground and united to the inner sides of the plates intermediate said ends thereof, at least one of said



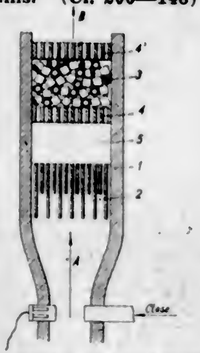
plates having pairs of oppositely disposed clips struck out therefrom with mutually approaching end portions for holding a labeling sheet on said plate.

1,984,396

GAS COOLING DEVICE FOR COMPRESSED GAS ELECTRIC CIRCUIT BREAKER SILENCERS

André Clerc, Villeurbanne, France, assignor to Ateliers de Constructions Electriques de Delle, Paris, France

Application September 1, 1932, Serial No. 631,385
In Germany October 19, 1931
5 Claims. (Cl. 200—148)



1. In a circuit breaker, relatively movable contacts disposed in an enclosure, means to blow an electric arc between these contacts by a compressed gas blast blown through the enclosure, metallic walled channels disposed in the enclosure adjacent the contacts and formed by thin metallic plates disposed parallel to the direction of blast, and screens disposed after said channels and defining with the wall of the enclosure a space filled with a small-bodied mass, the whole being arranged to permit the compressed gas having blown the arc to escape in a straight line to the atmosphere by travelling in partial currents simultaneously through the metallic channels and thereafter through the interstices between the small-bodied mass.

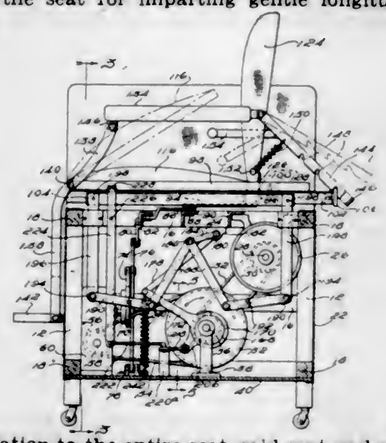
1,984,397

MECHANICAL CHAIR

Peter Dalyze, Detroit, Mich.

Application November 9, 1931, Serial No. 573,837
7 Claims. (Cl. 128—33)

1. A chair suitable for use as an ordinary seat and comprising a frame of rectangular cross section having a cover, a movable seat mounted upon the frame, said seat having an adjustable back and motor means concealed within the frame and link means interconnecting the motor and the seat for imparting gentle longitudinal



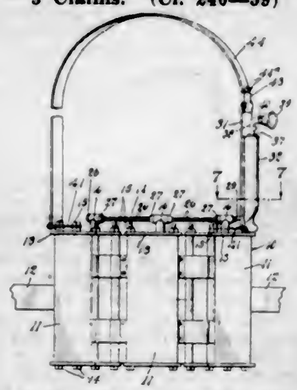
oscillation to the entire seat, said seat and motor being provided with additional linkages for imparting vertical vibration to the entire seat, and clutch means for connecting the motor selectively to either of said linkages.

1,984,398

PORTABLE ELECTRICAL APPARATUS

Charles Vance Dame, Lanark, Ill.

Application October 21, 1933, Serial No. 694,581
3 Claims. (Cl. 240—59)



1. A portable electric device comprising a shoulder sling and a belt adapted to be placed around the wearer's body, a plurality of dry-cell compartments supported thereby, a cover section for each compartment having dry-cell contact members in the lower side thereof and plug-in receptacles on the upper side, conductors having connecting plugs for said receptacles for connecting said dry cells in circuit with a current energized device, and a carrier on said sling for removably supporting said device.

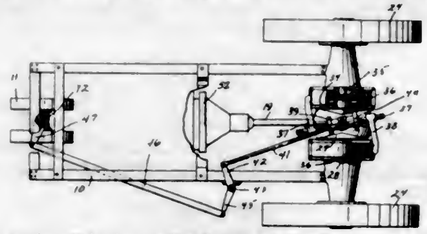
1,984,399

DEVICE FOR CONTROLLING THE RELATIVE SPEED OF TWO TRACTION MEMBERS

Jay Brownlee Davidson, Ames, Iowa

Application November 25, 1930, Serial No. 498,081
3 Claims. (Cl. 180—18)

1. In combination, a self-propelled vehicle, steering wheels for said vehicle, means for steering said wheels, traction wheels, an axle fixed to each traction wheel, an engine, means for operatively connecting said engine to said axles, said means including a differential gear, a pair of friction disks, one for each axle, means for operatively connecting each disk with a correspond-



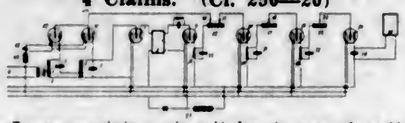
ing axle, friction wheels operatively connecting said disks and adjustably mounted whereby the disks and the traction wheels may be made to operate at the same speed or at various speeds one relative to the other, and means actuated by said steering means for adjusting the position of said friction wheels.

1,984,400

SENSITIVITY CONTROL FOR RADIO RECEIVING SYSTEMS

Henri Jean Joseph Marie de Regnauld de Bellescize, Paris, France, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 15, 1929, Serial No. 355,083
In France April 26, 1928
4 Claims. (Cl. 250—20)



1. In a receiving circuit having a plurality of stages of radio frequency amplification, a detecting circuit, an audio frequency amplifying means, a resistance and a capacity circuit forming a parallel circuit having a relatively high time constant connected in the output of said audio frequency amplifying means, the time constant of said parallel circuit acting to substantially eliminate the energy in said parallel circuit from the fluctuations of the energy received due to the signals, means controlled by the detected current for setting up variations of potential across said resistance and a plurality of triodes having their outputs connected to the inputs of said radio frequency stages to shunt said latter and having their grids subjected to potential variations created across said resistance said triodes being adapted to modify the sensitiveness of the said circuits of radio frequency amplification in accordance with the variations of potential in the said resistance.

1,984,401

SUSPENSION LOOP FOR FLASH LIGHTS

Anthony J. Desimone, Lyndhurst, N. J., assignor to Bright Star Battery Company, Hoboken, N. J., a corporation of New York

Application July 14, 1933, Serial No. 680,336
2 Claims. (Cl. 240—10.66)

1. In a flashlight, a casing, a depression in one end face of said casing, said depression having a substantially semi-circular portion with a channel portion leading therefrom and a cut-out opposite said channel portion, a stud rotatably attached to said casing and being arranged in said channel portion, and a loop having a substantially semi-circular portion terminating in a



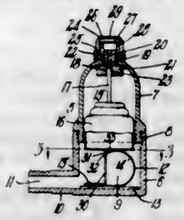
pair of legs pivotally connected at their ends to said stud and a central offset portion receivable in said cut-out.

1,984,402

THERMOSTATIC RADIATOR VALVE

Edward J. Donnelly, Everett, Mass.

Application December 2, 1932, Serial No. 645,373
4 Claims. (Cl. 236—62)



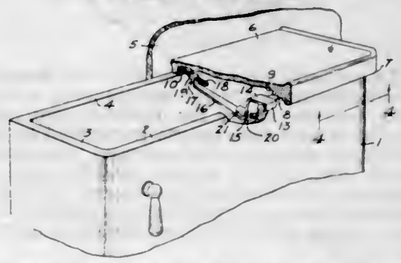
1. A valve of the character described having, in combination, a casing having a steam chamber therein provided with a port communicating with the atmosphere, a thermostatic element mounted within said chamber, a buoyant valve member mounted upon said thermostatic element and actuated by the latter to open and close said port, and other thermostatic means normally interlocking with said first-named thermostatic element whereby the normal position of the latter may be established.

1,984,403

RETAINING DEVICE FOR FLUSH TANK COVERS

Morris Edelman, Cleveland Heights, Ohio

Application February 8, 1934, Serial No. 710,240
5 Claims. (Cl. 4—68)



1. Retaining means for a flush tank cover which has an under face flat adjacent its marginal edges for engagement with the top edges of the tank walls and recessed within said flat marginal portions whereby a depending flange along the rear edge of the cover is provided, comprising a member having means by which it may be attached to a wall of the tank and an arm extending upwardly toward the inner face of the cover, said arm having an end portion extending into the recess of the cover which is adjustable forwardly or rearwardly so that it may be positioned in close proximity to the inner face of the rear flange of the cover.

1,984,404
TETRAIODOPHENOLPHTHALEIN COMPOSITIONS

Esco F. Ellzey, deceased, late of Snyder, N. Y., by Henry W. Wendt, Jr., administrator, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

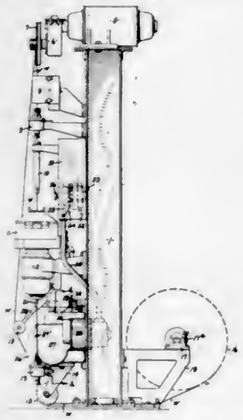
No Drawing. Application September 26, 1931, Serial No. 565,406
10 Claims. (Cl. 167—95)

1. A composition for oral administration comprising an aqueous solution of a dialkali-metal salt of tetraiodophenolphthalein, a protective agent, and a non-toxic alkali metal salt which exerts a buffer action on the acid juices of the stomach, the amount of protective agent being at least sufficient to produce a colloidal suspension of tetraiodophenolphthalein in the free form upon acidification of the tetraiodophenolphthalein salt.

1,984,405
MACHINE FOR APPLYING WEBS TO WIRE AND THE LIKE

Charles B. Fantone, Lyndhurst, and Reuben M. Jameson, Teaneck, N. J., assignors to Syncro Machine Company, Arlington, N. J., a corporation of New Jersey

Application October 24, 1933, Serial No. 694,944
8 Claims. (Cl. 117—34)



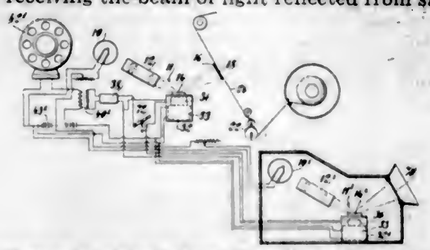
1. In a strand covering machine the combination comprising a strand supply reel, a motor driven capstan wheel for drawing the strand from the supply reel, means interposed between the two for applying a web around the strand, a take-up reel, and a motor directly connected thereto for rotating the take-up reel so that the finished strand is wrapped thereon under uniform tension as the coil on the reel increases in diameter.

1,984,406
RECORDING AND INDICATING SOUND

Earl H. Foley, New York, N. Y., assignor to Filmtone Corporation, a corporation of Delaware

Application May 15, 1930, Serial No. 452,645
Renewed May 12, 1934
4 Claims. (Cl. 179—100.3)

2. A small, portable indicating device for sound recording apparatus, comprising an incandescent lamp, a low voltage battery for supplying said lamp, a lens system for forming a beam of light from said lamp, a small reflecting diaphragm having an armature secured to its center, a magnet for moving said armature and a translucent screen for receiving the beam of light reflected from said

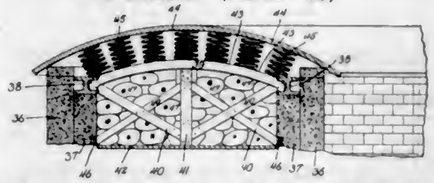


diaphragm and indicating the range of variations thereof.

1,984,407
BOMB-PROOF BUILDING

Eugenie Frey Geiger and Josef Geiger, Milwaukee, Wis.

Original application June 27, 1933, Serial No. 677,784. Divided and this application February 17, 1934, Serial No. 711,634
2 Claims. (Cl. 89—36)

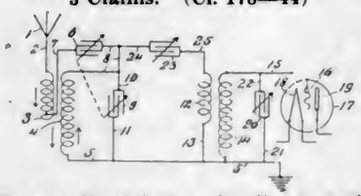


1. In a device of the class described, in combination, a bomb-proof building roof supported by an outer and an inner wall, the latter being of less height than the former, beams longitudinally positioned upon the inner wall, curved rafters mounted at a distance between themselves upon said beams, an upper and a lower curved roof portion concentrically arranged, with space therebetween, the lower roof portion being supported by the rafters, coiled springs disposed between said lower and upper roof portions, a plurality of joists arranged in a crosswise manner relative to the longitudinally positioned beams and supported by the latter, a ceiling formed upon and embodying said joists, bracers crosswise arranged between the ceiling and the lower roof portion, and an upright centrally positioned re-enforcing member adapted to support said bracers, and bags filled with suitable material disposed between the ceiling and the lower roof portion, substantially as shown and described.

1,984,408
RADIO RECEIVING SYSTEM

Paul K. Giddens, Kansas City, Mo., assignor to Pagenhart Research Corporation, Kansas City, Mo., a corporation of Missouri

Application May 19, 1932, Serial No. 612,244
3 Claims. (Cl. 178—44)



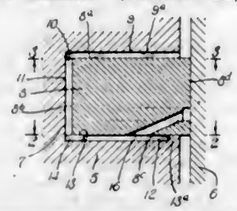
1. In a radio antenna circuit, an aerial conductor, a primary inductance connected at one end to said aerial conductor, a variable condenser

connected to the other end of said primary inductance, a second variable condenser connected to ground and in series with said primary inductance through said first named condenser, a secondary inductance inductively related to said primary inductance and shunted across said second condenser only, and an output capacity coupling connected to said first named condenser.

1,984,409
COMBINED PISTON AND RING STRUCTURE

William G. G. Godron, New York, N. Y.

Application October 31, 1933, Serial No. 695,970
11 Claims. (Cl. 309—31)

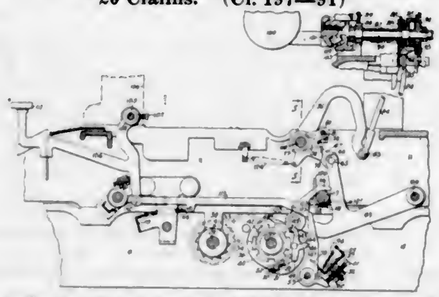


1. In a reciprocating member having a ring groove in which a ring is mounted, means for balancing the ring in said groove and reducing the frictional engagement of the side walls of the ring with adjacent walls of the ring groove, said means comprising a circumferential recess in one side wall of the ring groove disposed inwardly of the outer surface of said member, a recess in the opposed wall of said groove whereby a prevailing pressure upon one side surface of the ring in said groove is permitted to pass to the other side surface of said ring to substantially balance the ring in said groove, and the first side wall of the ring groove having circumferentially spaced passages placing said recess in communication with a space formed between the back wall of the ring groove and the back wall of said ring.

1,984,410
TYPEWRITING MACHINE

Frederick A. Hart, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York

Application December 14, 1931, Serial No. 580,838
20 Claims. (Cl. 197—91)



1. In a power actuated back spacing mechanism for typewriting and like machines, the combination of a continuously running power driven shaft, a cam loosely mounted thereon, back spacing means controlled by said cam, a back spacing key, a spring engaged locking latch carried by said cam for locking the cam to turn with said shaft, a trip device that normally engages said latch and holds it disengaged, and means controlled by said key and cooperative with said trip device to release it on the depression of the key and to afford an independent return of the trip device into the path of the latch to disengage the latter when the cam has completed a revolution even though the key be held depressed.

1,984,411
METHOD OF CASE HARDENING

Donald Aubrey Holt, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware

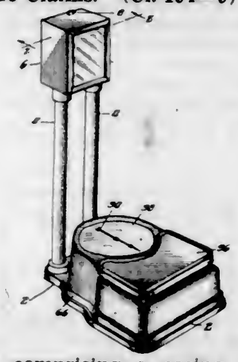
No Drawing. Application June 8, 1933, Serial No. 674,897
12 Claims. (Cl. 148—16)

1. A process for case hardening ferrous metal articles comprising heating said articles to case hardening temperatures in an atmosphere of formamide vapor.

1,984,412
WEIGHING SCALE

Irving K. Hutchinson and Robert A. Wolff, Chicago, Ill., assignors to Continental Scale Works, Chicago, Ill., a corporation of Illinois

Application December 30, 1930, Serial No. 505,596
13 Claims. (Cl. 194—9)



1. A scale comprising a casing, a platform shiftably movable thereon, weighing mechanism and weight indicating means comprising a scale dial and an indicator, the same being relatively movable by the weighing mechanism, said scale dial being translucent, a light disposed behind the scale dial, scale indicia disposed between the light and the dial, an electric lighting circuit for said light, including a source of current and a normally open switch, a second circuit, including a source of current and a magnet and a second switch, said second switch being controlled by the movement of the weighing mechanism, and a coin controlled contact member for closing said first named switch, said contact member being held in closed position by said magnet upon the closing of the second named switch.

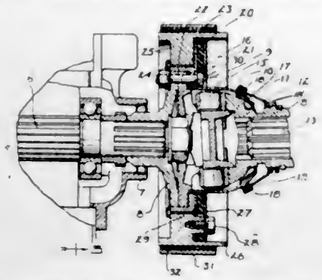
1,984,413
VIBRATION DAMPER FOR VEHICLE PROPELLING APPARATUS

Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application December 17, 1930, Serial No. 503,057
6 Claims. (Cl. 188—2)

1. In a vehicle having brake mechanism, propelling apparatus including a driving means, transmission mechanism and driven means and engageable by said brake mechanism, a brake drum having a substantial mass mounted on said

driven means, and means secured both to said brake drum and driven means having a yieldable member adapted to hold said drum against severe rotation relative to said driven means during



brake applications and to permit slight relative rotation of said driven means and brake drum for opposing synchronous vibrations in said transmission and driving and driven means during operation thereof.

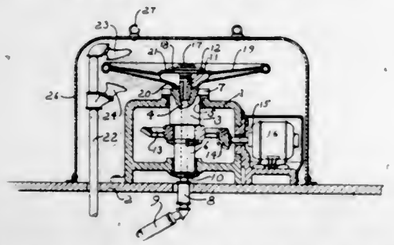
1,984,414

MEANS FOR COATING METAL ARTICLES

Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Original application February 1, 1930, Serial No. 425,311. Divided and this application May 12, 1934, Serial No. 725,395

4 Claims. (Cl. 91—55)



1. Apparatus for coating wheels comprising a rotatable support, means for securing a hollow wheel core on said support including a member detachably secured to said support and core for fixing the latter to said support and having a passage for supplying heating medium to the interior of said core, a driving member for rotating said core, and a pair of spray nozzles, one above and the other below said core for applying a coating composition thereon.

1,984,415

PREPARATION OF CYANHYDRINS

Alexander Douglas Macallum, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 26, 1933 Serial No. 673,110

18 Claims. (Cl. 260—99.30)

1. A process for preparing an aliphatic cyanhydrin comprising reacting hydrocyanic acid and a compound of the group comprising aliphatic aldehydes and ketones in said cyanhydrin in liquid state in the presence of a catalyst capable of accelerating the reaction at a temperature below the thermal decomposition point of said cyanhydrin.

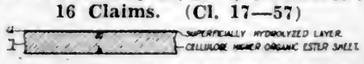
1,984,416

NONCURLING CELLULOSE ORGANIC DERIVATIVE FILM AND PROCESS OF MAKING SAME

James G. McNally and Norman F. Beach, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application February 13, 1934, Serial No. 711,037

16 Claims. (Cl. 17—57)



1. A non-curling sheet formed of a higher organic ester of cellulose, at least one surface of which is superficially hydrolyzed.

1,984,417

PRODUCTION OF ARTIFICIAL MASSES

Hermann Mark, Mannheim, and Hans Fikentscher, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 19, 1930, Serial No. 469,270. In Germany July 25, 1929

9 Claims. (Cl. 260—2)

1. The process for the production of artificial masses which comprises acting on a polymeric acrylic acid derivative, selected from the group consisting of polymeric acrylic halides and nitriles, with an agent containing a reactive hydrogen atom, selected from the group consisting of water, inorganic bases and primary and secondary amines.

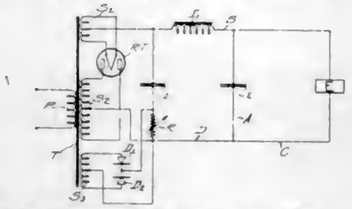
1,984,418

ELECTRICAL RECTIFYING AND FILTERING SYSTEM

Benjamin F. Miessner, Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 6, 1929, Serial No. 344,884

10 Claims. (Cl. 175—363)



1. In an electrical rectifying and filtering system, the combination of a source of alternating current energy, a rectifier coupled thereto for rectifying at least a half wave thereof for the production of unidirectional current energy, a filter choke and condenser system connected to said rectifier for reducing the ripple component of said unidirectional current, a resistance within said filter choke and condenser system, and means for impressing a rippling potential from said source across said resistance whereby the remaining ripple component of said unidirectional current energy is substantially neutralized.

1,984,419

FLUID FLOW SWITCH AND METHOD OF MAKING THE SAME

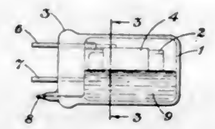
Frank Moos, Jersey City, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application March 10, 1932, Serial No. 598,019

14 Claims. (Cl. 200—152)

1. A mercury switch comprising a sealed envelope of vitreous material, mercury therein, a

concentric vitreous tube fused to said envelope at one end, the other end of said tube approaching the opposite end of said envelope, an inlead extending into said envelope through the fused portion of said envelope and tube and extend-



ing into said tube, said inlead terminating in a thin shell closely fitting the interior of said tube, and an inlead extending into the space between said tube and said envelope and terminating in a contact ring about said tube.

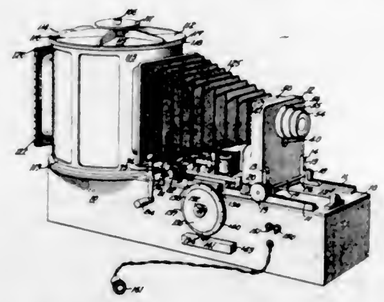
1,984,420

CAMERA

Gabriel Moulin, San Francisco, and Fred A. Lathe, Oakland, Calif.; said Lathe assignor to said Moulin

Application March 21, 1932, Serial No. 600,130

13 Claims. (Cl. 95—2)



1. A camera for successively producing color separation negatives which comprises a lens through which light passes to photographic plates; a shutter for controlling the passage of light through said lens; a movable support for a plurality of photographic plates; a movable support for a plurality of color filters; a common motor operatively connected to both of said supports to successively position said plates and color filters to expose each of said plates to the light from said lens through a different color filter; and a timing device for controlling the time of exposure of each plate.

1,984,421

LIQUID FOR TRANSFERRING ENERGY AND LUBRICATING

Eduard Muench and Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 13, 1930, Serial No. 495,415. In Germany November 23, 1929

6 Claims. (Cl. 87—9)

1. As a composition of matter suitable for transferring energy and lubricating, a practically anhydrous, limpid, homogeneous mixture consisting of a liquid polyglycol ether and a lubricating oil.

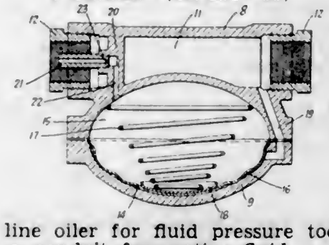
1,984,422

LIQUID INJECTING AND EJECTING APPARATUS

Gustave M. Nell, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application July 11, 1931, Serial No. 550,080

8 Claims. (Cl. 184—55)



1. A line oiler for fluid pressure tools comprising a conduit for motive fluid, a chamber adjacent said conduit, a flexible diaphragm dividing said chamber into a lubricant reservoir chamber and a motive fluid pressure chamber and sealing said chambers from each other, passages leading from the lubricant and pressure chambers respectively to spaced points along said conduit adapted to have different pressures when motive fluid is flowing through said conduit, the lubricant passage being restricted, thereby requiring the application of pressure to said diaphragm for effecting egress of fluid from said reservoir into the conduit, and resilient means in said lubricant chamber and engaging the diaphragm for yieldingly urging the latter in a position of maximum size for said lubricant chamber, whereby to prevent gravity flow of lubricant through said restricted passage when motive fluid is not flowing through the conduit.

1,984,423

PHENOLIC CONDENSATION PRODUCT AND METHOD OF MAKING THE SAME

Emil E. Novotny, Philadelphia, Pa., assignor to John Stogdell Stokes, Spring Valley Farms, Pa.

No Drawing. Application July 23, 1927, Serial No. 208,066

7 Claims. (Cl. 260—4)

4. A composition of matter comprising a potentially reactive resinous phenol aldehyde condensation product including an oxidizing agent selected from the list consisting of manganese dioxide, ammonium chromate, ammonium dichromate, potassium permanganate and sodium permanganate.

1,984,424

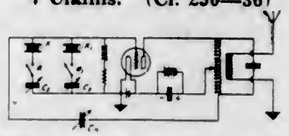
VARIABLY TUNED PIEZO-ELECTRIC RESONATOR

Mendel Osnos, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 4, 1929, Serial No. 360,395

In Germany June 23, 1928

7 Claims. (Cl. 250—36)



1. A radio frequency oscillator adapted to be variably tuned from one value of wave-length to

another, in combination with a piezo-electric control device having a plurality of piezo-electric crystal elements, and switching means selectively to connect said elements in different combinations, said device being adapted to control said oscillator to hold substantially constant the frequency of oscillations produced at various wave-lengths of said oscillations, the number of crystal elements in the device being less than the number of wave-lengths to which the oscillator may be set for operation under control of the device and the control frequency of said combination of control devices being greater than any beat note capable of being produced by the difference frequencies from said piezo-electric elements.

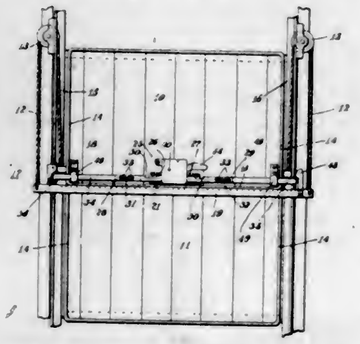
1,984,425

LOCK FOR COUNTERBALANCED ELEVATOR DOORS

Robert S. Peelle, Hollis, N. Y., assignor to The Peelle Company, Brooklyn, N. Y., a corporation of New York

Application June 23, 1933, Serial No. 677,304

7 Claims. (Cl. 187—31)



1. A lock for counterbalanced elevator doors embodying therein a housing carried by one of the sections of said door, bolts slidably mounted in and extending beyond opposite sides of said housing and of the door, a spring having a normal tendency to impart a right line movement to said bolts outwardly of the housing, actuating means for said bolts comprising a pivotal member, substantially diametrically opposite studs carried thereby, each of said bolts having a shoulder adapted to be engaged by a stud upon said pivotal member and an operating handle for said member, an electric interlock mounted adjacent the door and having a striker and keeper plate engageable by one of said bolts, and a striker and keeper member carried by the other door section with which the other bolt co-operates.

1,984,426

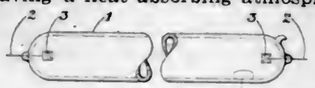
GASEOUS ELECTRIC DISCHARGE DEVICE

Marcello Pirani and Martin Reger, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application June 9, 1930, Serial No. 459,868. Renewed April 5, 1934. In Germany July 10, 1929

14 Claims. (Cl. 176—122)

1. In an electric discharge device, a container, a filling of easily condensible alkali metal vapor therein, electrodes for said container, said electrodes being non-sputtering, non-disintegrating oxide bodies to maintain high current density in said metal vapor, said container being double walled, having a heat absorbing atmosphere be-



tween said walls, and being of heat absorbing glass to prevent condensation of said metal vapor.

1,984,427

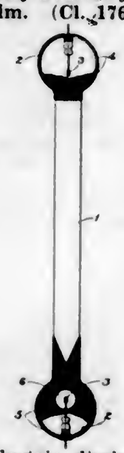
GASEOUS ELECTRIC DISCHARGE DEVICE

Marcello Pirani, Berlin-Wilmersdorf, and Hans Ewest, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application February 9, 1931, Serial No. 514,670

In Germany February 18, 1930

1 Claim. (Cl. 176—14)



In a sign, an electric discharge device comprising a linear container, electrodes sealed therein, a gaseous atmosphere therein, an electrode chamber at each end thereof, said container having a linear shape, said electrode chambers and one end of said linear container adjacent one of said chambers being opaque, the margin of the opaque end of said container being notched, the electrode chamber adjacent the opaque end of said container having a circular light pervious window in the vicinity of the electrode mounted in said chamber, the point of said notch and the center of said circular window being in the same plane as the longitudinal axis of said container.

1,984,428

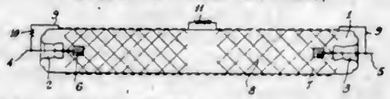
GASEOUS ELECTRIC DISCHARGE DEVICE

Marcello Pirani, Berlin-Wilmersdorf, Germany, assignor to General Electric Company, a corporation of New York

Application December 21, 1932, Serial No. 648,304

In Germany December 24, 1931

3 Claims. (Cl. 176—122)



1. An electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, a flexible wide mesh net of thin wires having large heat radiating surface and small bulk of conducting material applied to the wall of said container and extending along that part of said container between said electrodes, said net being connected to at least one of said electrodes.

1,984,429

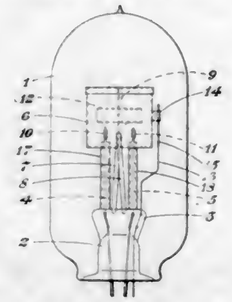
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Marcello Pirani, Berlin-Wilmersdorf, and Martin Reger, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application July 21, 1933, Serial No. 681,592

In Germany August 19, 1932

5 Claims. (Cl. 176—122)



...NEGIE LIBRARY

1. An electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, a housing in said container, a vaporizable material in said housing, said housing being divided into chambers by a partition having a communicating passage of appreciable length therein, one of said electrodes being mounted in each of said chambers, and one of the walls of said housing being perforated in line with said communicating passage, the end of said passage being at an appreciable distance from the opening in said housing.

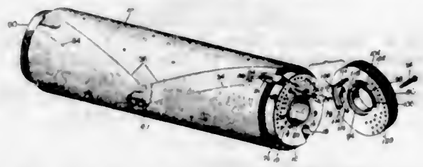
1,984,430

ABRADING TOOL

William A. Reed, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 21, 1931, Serial No. 517,500

23 Claims. (Cl. 51—194)



2. An abrading tool comprising a tool body, an abrasive cover surrounding said tool body with one end of said abrasive cover secured in overlapping relation to the other end, and a T-shaped clamp overlapping the working surface of the tool body and covered by the overlapping end of the abrasive cover for clamping the overlapped end of the abrasive cover to said tool body.

1,984,431

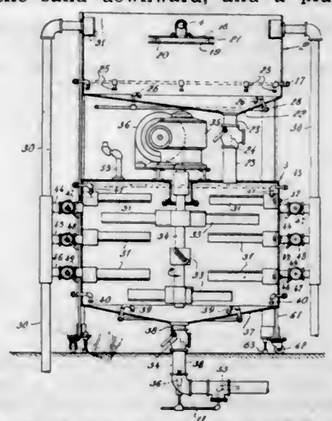
SAND CLEANING MACHINE AND METHOD

George Alexander Robertson, Richmond, Va.

Application August 25, 1930, Serial No. 477,564

3 Claims. (Cl. 209—159)

1. Apparatus of the type described comprising a sand washing chamber, means for charging sand and water into said chamber, a plurality of stationary blades in said chamber, and a plurality of rotatable blades therein, the rotatable blades being arranged to force the sand upward and the other blades being arranged to force the sand downward, and a plurality of



downwardly facing nozzles in said chamber for supplying water thereto.

1,984,432

METHOD OF NEUTRALIZING A PETROLEUM OIL

Jack Robinson, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application June 5, 1931, Serial No. 542,463

11 Claims. (Cl. 196—41)

1. The method of neutralizing a petroleum oil containing emulsion-forming oil soluble organic acids, which comprises adding said oil to a large volume of dilute aqueous alkaline solution with agitation under conditions which will insure the formation of an oil-in-water emulsion, and subsequently breaking the emulsion into an oil phase and a water phase.

1,984,433

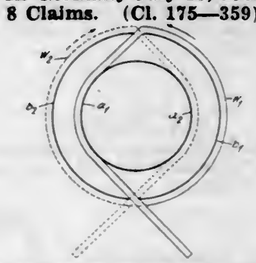
LOW CAPACITY INDUCTANCE COIL

Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 5, 1933, Serial No. 679,059

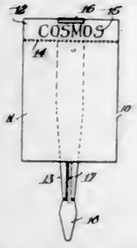
In Germany July 13, 1932

8 Claims. (Cl. 175—359)



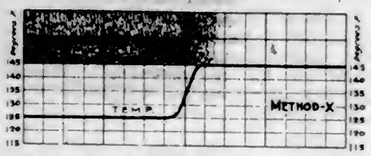
1. Low-capacitance inductance coil, with this characteristic feature that, for the purpose of rendering the two winding halves perfectly symmetric in reference to outer electrostatic and inductive actions, these two halves are so wound that the pitch in reference to the coil middle progresses in like sense, and that the two coil ends are approximately located in the same plane, with the surfaces embraced by neighboring turns of the two coil halves being symmetric in relation to one another, though only partially overlapping.

1,984,434
SEED PACKAGE AND DISPLAY MEANS THEREFOR
Fredric D. Scandling, Brighton, and Raymond L. Van de Vate, Rochester, N. Y.
Application June 12, 1933, Serial No. 675,390
4 Claims. (Cl. 206—47)



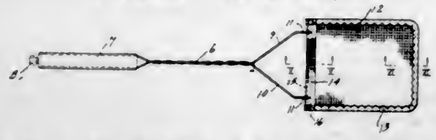
4. A seed package comprising an envelope for holding seeds, said envelope having a data carrying portion and means demarking said data carrying portion from the remaining portion of said envelope, and a stake member secured to said data carrying portion for use in supporting said data carrying portion when it is detached from said remaining portion.

1,984,435
METHOD OF SMOKING FRANKFURTERS
Floyd Seaver, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1931, Serial No. 560,389
9 Claims. (Cl. 99—9)



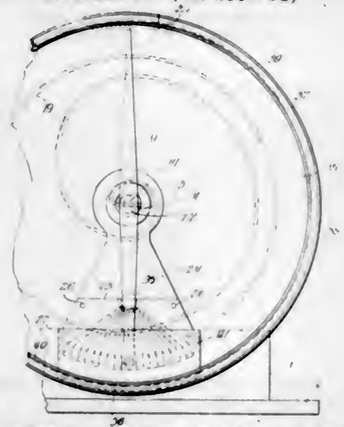
7. The method of treating sausages which comprises first subjecting the product to the action of heated smoke in a humid quiescent chamber a sufficient length of time to develop a casing impregnated with fats and subsequently subjecting to higher temperatures in a substantially smoke free circulating drying atmosphere a sufficient length of time to develop further free fats without substantial removal of the moisture content of the sausages.

1,984,436
FLY SWATTER
Yoakem N. Sarantos, Birmingham, Ala.
Application September 22, 1934, Serial No. 745,073
4 Claims. (Cl. 43—137)



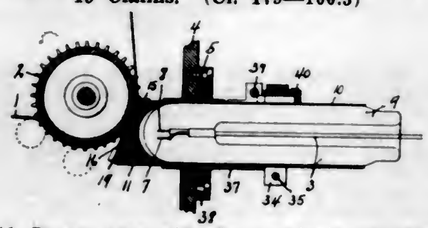
1. In a fly swatting device, a screen wire swatter folded at one end and stitched to form a bight, a hinge wire lying within the bight, means to hold the hinge wire against longitudinal displacement, and a handle carrying spaced loops which pass through the bight and about the hinge wire to hingedly assemble the swatter and handle.

1,984,437
THERMALLY RESPONSIVE SYSTEM
John A. Serrell, Pass-A-Grille, Fla., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application December 22, 1930, Serial No. 503,993
10 Claims. (Cl. 236—91)



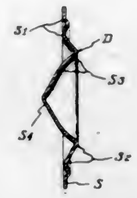
1. In a heating system, an element selectively responsive to outside temperature variations in predetermined steps, electro-responsive low voltage control means selectively operable by said element anticipatory of said steps of outside temperature variations, motor means selectively operable by said low voltage control means, hydraulic control means selectively operable by said motor means for regulating the heat supply anticipatory of and in substantially linear relation to said predetermined steps of outside temperature variations, and selectively operable governing means actuated by said motor means for terminating the operations of said control means and of said motor means upon determining the heat supply regulation relative to said anticipated temperature variation.

1,984,438
SOUND CAMERA
Earl I. Sponable, New York, N. Y., assignor, by mesne assignments, to Movietonews, Inc., New York, N. Y., a corporation of New York
Application March 29, 1927, Serial No. 179,213
19 Claims. (Cl. 179—100.3)



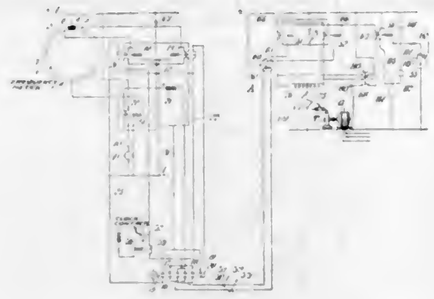
11. In an apparatus for producing a photographic record of light variations corresponding to sound wave variations, a rotary sprocket about which a film is adapted to move, a lamp casing, a member having an opening therethrough secured to the forward end of the lamp casing and having a concave surface of substantial length formed on a radius substantially the same as the radius of the sprocket, said member being movable toward and from the sprocket so as to be capable of tightly pressing a film against the contour of the sprocket, and a source of light within said lamp casing.

1,984,439
DIAPHRAGM
Floricel A. Stapler, Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 10, 1928, Serial No. 311,553
7 Claims. (Cl. 181—32)



1. A diaphragm comprising a member having an offset portion, the surface defining said portion comprising a spherical surface and a conical surface extending therebeyond.

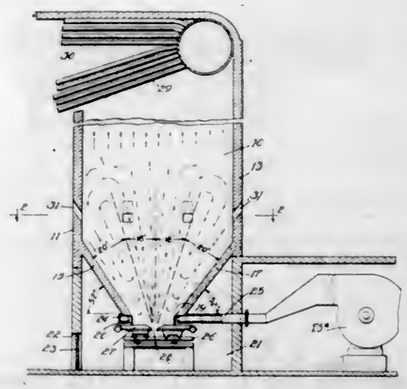
1,984,440
AUTOMATIC FREQUENCY CONTROL SYSTEM
Earl E. Stevens, Elmhurst, and Dana D. Higgins, Chicago, Ill.
Application March 29, 1929, Serial No. 351,085
26 Claims. (Cl. 171—119)



1. The method of controlling the frequency of an alternating current system which comprises periodically measuring the integrated frequency error with respect to the integral of the normal frequency for the same period of time, periodically controlling the frequency to maintain the integrated frequency error at zero, measuring the instantaneous frequency, and periodically controlling the frequency to maintain the instantaneous frequency at normal.

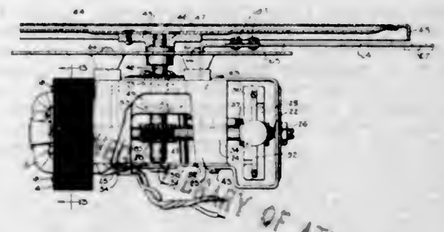
1,984,441
METHOD OF COMBUSTION
John F. O. Stratton, Pelham Manor, N. Y.
Application January 31, 1929, Serial No. 336,524
3 Claims. (Cl. 110—28)

1. The method of combustion which comprises directing a blast of air of combustion upwardly into a combustion chamber in laterally spaced relation to the sides of the chamber so as to induce a downward trend of gases about the confines of the upward blast, and introducing crushed coal into the zone of downward trend



about said blast for ultimate suspension and oxidation in said blast.

1,984,442
SPEED CONTROL MECHANISM
Fritz van der Woude, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application May 19, 1930, Serial No. 453,627
Renewed October 30, 1933
18 Claims. (Cl. 188—187)



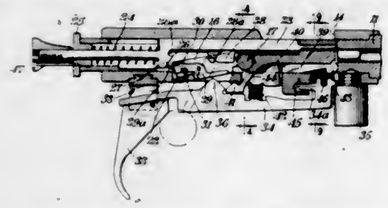
LIBRARY OF ATLANTA

1. In a device of the class described, a rotary speed governor element, provided with a brake surface, a brake shoe adapted to frictionally engage the brake surface to exert a braking action on the governor, means for variably adjusting the pressure of the brake shoe on the brake surface to vary the braking action, said means including a pivoted operating lever, a transmitting element between the lever and the shoe for moving the shoe when the lever is moved, and a connection between the transmitting element and the lever, constructed to permit disposing the lever in any one of a plurality of rotated positions about its pivot axis.

1,984,443
FIREARM
Carl G. Swebilius, New Haven, Conn.
Application November 23, 1932, Serial No. 643,976
14 Claims. (Cl. 42—16)

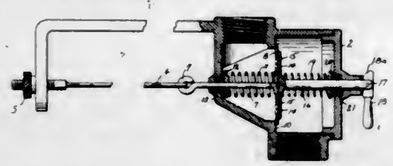
1. In a firearm, a receiver, a non-rotatable cylindrical breech bolt slidably mounted in said receiver, a locking bolt pivotally carried by said breech bolt and adapted to be contained within said breech bolt, said receiver having a slot into which said locking bolt projects when in locking

position, and means bodily translatable parallel to the direction of movement of said breech bolt



for actuating said locking bolt and reciprocating said breech bolt.

1,984,444
FUEL VALVE
Charles W. Thornhill, Houston, Tex.
Application July 13, 1933, Serial No. 680,263
4 Claims. (Cl. 158—117.2)

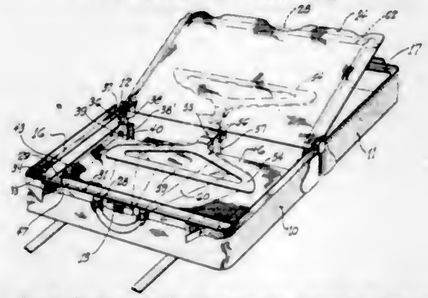


1. The combination with a gas burner, of a valve comprising a body having a seat; a first valve element; a first spring to urge said first valve element away from said seat; a heat responsive element associated with said burner and connected under tension to said first valve element to normally hold said first valve element upon said seat; said first valve element having an opening therein; a second valve element; a second spring to urge said second valve element upon said first valve element to close said opening; and a latch accessible from the exterior of said body to releasably hold said second valve element away from said first valve element against the resistance of said second spring; said heat responsive element being expansible by the heat generated by said burner to permit said first spring to move said first valve element away from said seat and into engagement with said second valve element to move said second valve element against the resistance of said second spring and thereby cause said latch to release said second valve element, so that said second valve element may close the opening in said first valve element when said first valve element is returned to said seat by said heat responsive element.

1,984,445
PROCESS FOR THE EXPULSION OF NICOTINE FROM TOBACCO
William Wagner, Elyria, Ohio
No Drawing. Application August 8, 1934, Serial No. 739,003
1 Claim. (Cl. 131—6)

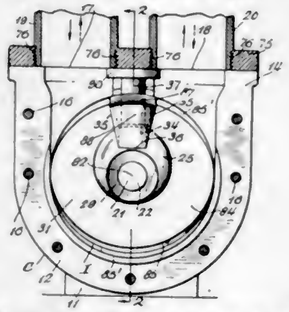
The process for the expulsion of nicotine from cured tobacco leaves, aged, or unaged, consisting in subjecting the tobacco leaves to the penetrating alkaline action of ammonia vapor, and then exposing the tobacco leaves to the acidulous action of acetic acid on some heavy fabric, while the tobacco leaves are being subjected to an evaporation heat.

1,984,446
HAND LUGGAGE
George Henry Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application June 15, 1931, Serial No. 544,508
11 Claims. (Cl. 190—41)



1. In a device of the character described, a garment carrying frame including a pair of spaced arms, a hook member adjacent one end of each of said arms, a retaining board supported at one end thereof on said hooks, and means on said board cooperating with means on said arms to a support said board from said arms at the opposite end of the board from said hooks.

1,984,447
PUMP
Alois Wicha, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y., a corporation of New York
Application February 13, 1933, Serial No. 656,637
9 Claims. (Cl. 103—133)

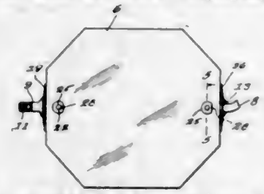


1. In a fluid actuating apparatus, a casing, with side walls and with a continuous spherical peripheral wall and an impeller disc therein, means to impart an oscillating movement to said disc about a fixed center point, and a tapered guide engaging said disc to prevent rotation thereof while it is being oscillated by said means, the relatively sliding surfaces of said guide and said disc converging toward the center point of said casing.

1,984,448
RIMLESS EYGLASSES AND SPECTACLES
Sydney H. Winston, South Ozone Park, N. Y.
Application January 31, 1934, Serial No. 709,205
3 Claims. (Cl. 88—47)

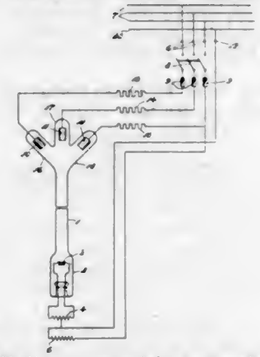
1. An ophthalmic mounting comprising a strap having an aperture and adapted to be positioned on one side of an apertured lens, an internally threaded nut having a shank portion fitting into the aperture in said lens, said nut having a head portion composed of soft metal, so that one side

thereof can be pressed in, a resilient annular member positioned between said head portion and the lens and a screw engaging said strap



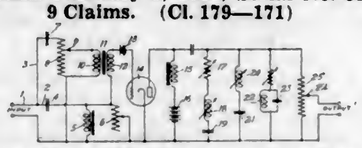
and nut to secure said mounting to said lens, said screw having a flattened region engaged by the pressed in side of said head portion to affix said mounting to said lens.

1,984,449
ELECTRIC DISCHARGE TUBE
Gustav Zecher, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application April 22, 1930, Serial No. 446,306
In the Netherlands June 22, 1929
1 Claim. (Cl. 176—124)



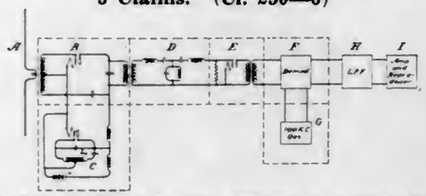
An installation comprising an electric luminous tube for positive column discharge and a 220 volt source of alternating current with at least three phases, said tube containing a gaseous filling, a solid incandescible cathode and at least three anodes connected to the respective phases of said source of alternating current, the installation comprising inductances connected between said anodes and the phases of said source of alternating current, said inductances being magnetically coupled with each other, and a heating transformer for said cathode connected across the terminals of said tube, said tube being startable and operable on the voltage of said current source.

1,984,450
COMPENSATED AMPLIFIER
Julius G. Aceves, New York, N. Y., assignor, by mesne assignments, to Louis Gerard Pacent, New York, N. Y.
Application February 3, 1931, Serial No. 513,061
9 Claims. (Cl. 179—171)



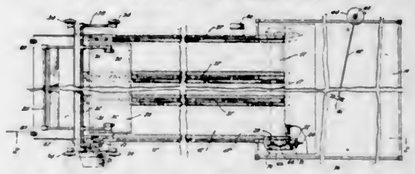
1. Apparatus of the character described comprising a vacuum tube circuit, a second vacuum tube circuit having its input capacitatively connected to the output of the first circuit, means in the output of the first circuit for accentuating a selected band of high audio frequencies, and means in the input of the second circuit for accentuating a selected band of low audio frequencies.

1,984,451
SHORT WAVE RADIO SIGNALING
Austin Bailey, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 15, 1931, Serial No. 562,969
3 Claims. (Cl. 250—6)



1. In a radio signaling system for ultra short waves, a receiving station at one end to receive a carrier frequency modulated with an intermediate frequency and its message side band, the receiving station comprising a detector oscillator for detecting the received wave down to intermediate frequency, means for periodically increasing the detector efficiency to a high value at a frequency high compared to the intermediate frequency, and means for amplifying said intermediate frequency output and for demodulating it to signal frequency and a filter preceding the last demodulator element.

1,984,452
RACING APPARATUS
Elmer L. Ballew, Chicago, Ill.
Application April 1, 1932, Serial No. 602,571
8 Claims. (Cl. 272—4)

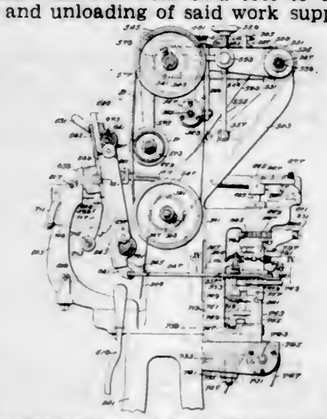


1. Animal racing apparatus comprising a movable track in the nature of an endless belt, means for operating said track, a lure, means for operating the lure, a pit below the level of the track at one end thereof and extending substantially beyond said end, and a closure member over said pit, said closure member being kept in open position when animals are racing upon the track so that an animal incapacitated upon the track may be carried thereby back into the open pit.

1,984,453
MACHINE FOR OPERATING UPON SHOE PARTS
Arthur Bates, William Roderick Barclay, and George Hazelton, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 25, 1933, Serial No. 690,914
In Great Britain October 1, 1932
9 Claims. (Cl. 51—144)

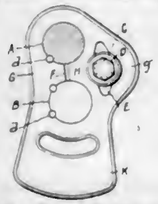
4. A machine for scouring shoe parts and like articles comprising a scouring tool, a work sup-

port, a frame in which said work support is rotatably mounted, said frame being mounted for movement toward and from said scouring tool, yieldable means for urging said work support toward said tool to cause a work piece to engage the tool, means for latching said frame in a position removed from said tool to facilitate loading and unloading of said work support, op-



erator-controlled means for releasing said latching means to enable said yieldable means to move said frame toward said tool to bring a work piece in said work support into engagement with said tool, and means actuated by said operator-controlled means for turning said work support while the work piece is in engagement with the tool.

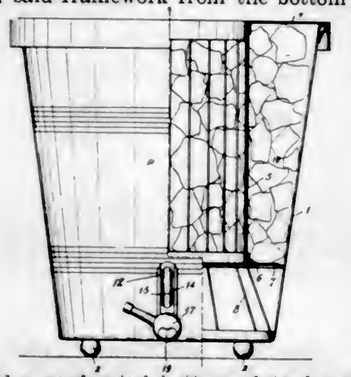
1,984,454
BUILT-UP CRANKSHAFT FOR RECIPROCATING ENGINES
Paul Belyavin, London, England
Application December 21, 1933, Serial No. 703,423
In Great Britain December 29, 1932
6 Claims. (Cl. 74—598)



1. A crank shaft of the built-up type comprising a shaft; a crank pin; a web connecting the shaft and pin and having openings therein in which the shaft and crank pin are fitted, the bridge portion of the web between the shaft and pin being partly cut away to render it compressible along a line extending between the shaft and pin; and means parallel to the shaft and crank pin bearing against the bridge and a relatively rigid portion of the web for compressing the bridge.

1,984,455
DEVICE FOR COOLING BOTTLES OR SIMILAR VESSELS
Jacques Bienenfeld, Paris, France
Application April 8, 1933, Serial No. 665,241
In France April 16, 1932
3 Claims. (Cl. 62—76)

1. A cooling device comprising a tub, a framework carried in said tub to centrally support a bottle to be cooled, said framework thereby forming an ice chamber between the sides of the tub and the support for the bottle, means for spacing said framework from the bottom of the



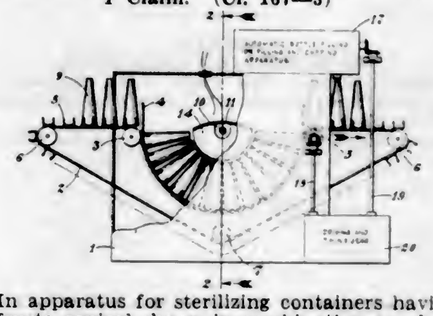
tub, and a perforated bottom plate for the ice chamber, said framework being yieldable to conform closely to different size bottles.

1,984,456
SOUND-RECORD CINEMATOGRAPH FILMS IN NATURAL COLORS
Charles Bonamico, London, England, assignor to Spicers Limited, London, England, a British company
Application June 5, 1931, Serial No. 542,407
In Great Britain June 14, 1930
7 Claims. (Cl. 91—33)



1. Apparatus for use in producing a clear track for a sound record on a film for natural color cinematography, which comprises in combination a trough for a softening agent, means for feeding the film past the trough, a roller adapted to dip into the trough and to apply the softening agent to a plurality of narrow strips on the film, a scraping device for removing the softened portions of the film and guide rollers for maintaining the film in contact with the applying roller and with the scraping device and having circumferential grooves arranged to lie opposite to those portions of the film to which the softening agent has been applied.

1,984,457
APPARATUS FOR IRRADIATING CONTAINERS
Leroy J. Buttolph, Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application June 6, 1932, Serial No. 615,752
1 Claim. (Cl. 167—3)

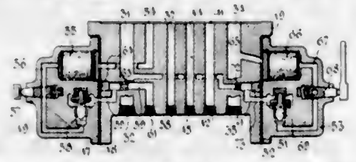


In apparatus for sterilizing containers having a frusto-conical shape, in combination an elongated source of ultra-violet light, means to retain a plurality of said containers, means to support said container retaining means along an arc about said ultraviolet source, said arc having a radius substantially equal to the height of the cone of which said containers are a segment, whereby the interiors of a plurality of said containers can be irradiated simultaneously from said source, and a pair of converging reflectors extending from separated points on said source toward the adjacent ends of containers supported along said arc.

1,984,458
CAST IRON ALLOY ARTICLES
Charles O. Burgess, New York, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application July 28, 1933, Serial No. 682,631
2 Claims. (Cl. 148—21.7)

1. A strong, wear resistant, cast article consisting in its metallographic structure substantially of pearlite, chrome-ferrite, flake graphite, and temper carbon, and containing about 1.5% to 4% carbon, 0.5% to 3.5% silicon, 0.15% to 0.7% manganese, 0.05% to 0.3% phosphorus, up to about 0.5% sulfur, 0.10% to 5% of a carbide forming element of the group consisting of chromium, tungsten, and vanadium, the remainder iron; which article has been annealed at temperatures between about 900° F. and about 1900° F., and thereafter slowly cooled.

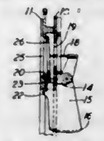
1,984,459
AIR BRAKE
Charles A. Campbell and Erwin C. Vroman, Watertown, N. Y., assignors to The New York Air Brake Company, a corporation of New Jersey
Application August 5, 1931, Serial No. 555,340
3 Claims. (Cl. 303—1)



1. In an engineer's brake valve structure, the combination of a base having ports to one of which the signal pipe is connected; a ported member releasably mounted on said base and having ports registering with corresponding ports in the base and including a feed port for the signal system; a signal fixture mounted on said base and including as a unitary structure a stop valve and a check valve controlling flow from the signal feed port to the signal pipe; and an interchangeable choke interposed in the path of such flow, said choke being mounted in said base.

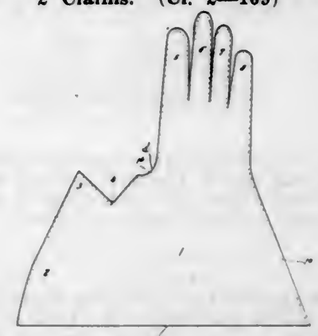
1,984,460
COIN CHUTE
Arthur Carson, Richmond, Va., assignor to American Telephone and Telegraph Company, a corporation of New York
Application February 7, 1934, Serial No. 710,162
7 Claims. (Cl. 194—97)

1. A coin chute comprising a laterally and longitudinally inclined channel in which a coin rolls on its edge, said channel having an upper side wall, a laterally inclined lower side wall, a longitudinally inclined bottom, said lower side wall having a perforation therein the distance between the upper edge of which and said bottom is greater than the diameter of a legitimate coin whereby a legitimate coin and a washer of the same diameter would normally leave the chute,



and rotatable means for raising the coin edgewise above the upper edge of the opening in said lower side without affecting the normal course of a washer.

1,984,461
DRESS GLOVE STRUCTURE
Paul A. Chanut, Paris, France
Application April 8, 1932, Serial No. 604,110
2 Claims. (Cl. 2—169)

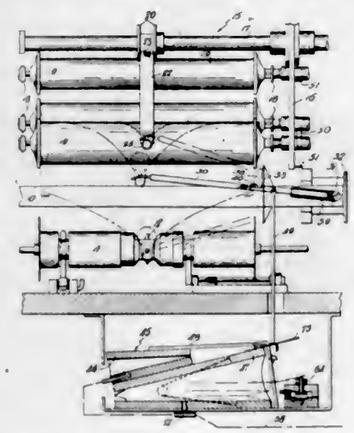


1. As a new article of manufacture, a glove including a hand back portion including four digit portions and a complete gauntlet portion, the latter being formed in its upper edge with a V-shaped depression, a palm portion including four digit portions secured to the digit portions of the hand back portion to complete the finger stalls, the palm portion terminating at its lower edge with a V-shaped extension fitting within and secured to the V-shaped depression in the gauntlet of the hand back portion, the palm portion being provided in line with the first digit portion with an inset curved edge and a flap divided from said edge and extending rearwardly from and in alignment with the initial digit portion, a thumb face piece having an edge secured to the curved edge of the palm portion, and a division to separate the upper and lower portions of the thumb face piece, a thumb back portion secured to the glove back throughout a curved edge of both such parts, the thumb back and thumb face being secured together throughout the remaining portions of their edges except for the line of division in the thumb face, the flap of the palm portion having an outline corresponding with and secured to one edge of the line of division of the thumb face portion and an otherwise unsecured edge portion of the thumb back.

1,984,462
MUSIC ROLL MAGAZINE
Tolbert Fanning Cheek, Dorchester, Mass., assignor to Aeolian-Skinner Organ Company, Inc., Dorchester, Mass., a corporation of Massachusetts
Application April 13, 1933, Serial No. 665,926
15 Claims. (Cl. 84—120)

1. The combination with a music roll having the lead end of its sheet provided at its center

with an eye and a hook, of an arm releasably engageable with the hook, a take-up spool, pins on said spool, and means for moving said arm to unwind the sheet from the roll and to present the



lead end of the sheet to the take-up spool in such position that one of the pins thereon will enter the eye whereupon the unwinding of the sheet from the roll is continued by the spool.

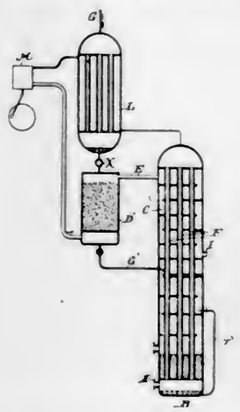
1,984,463

SEPARATION OF GASEOUS MIXTURES

Georges Claude and Jean Le Rouge, Paris, France, assignors to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France

Original application July 16, 1925, Serial No. 44,007. Divided and this application April 2, 1931, Serial No. 527,240. In France August 5, 1924

5 Claims. (Cl. 62—175.5)



1. The process of separating hydrogen contained in coal gas which comprises passing the coal gas in heat exchange relation with cold liquefied constituents thereof other than hydrogen, passing the so-cooled gas in confined streams in heat exchange relation with cold liquefied nitrogen, allowing the further cooled gas to expand and thus produce work, and thereafter passing the expanded gas into contact with liquid nitrogen under pressure.

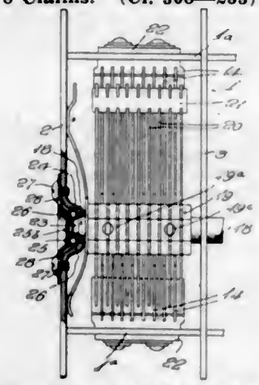
1,984,464

MOUNTING FOR ROTOR SHAFT OF VARIABLE CONDENSER

Samuel Cohen, Brooklyn, N. Y., assignor to General Instrument Corporation, New York, N. Y., a corporation of New York

Application March 2, 1933, Serial No. 659,406

8 Claims. (Cl. 308—233)



1. A mounting for a rotatable shaft comprising a plate formed with an opening and a cup about the opening constituting a ball race open at its outer end, a shaft having an end extending through said opening into said cup, and a cap extending across the open outer end of said cup with its ends fitting against the outer face of said plate, a pair of T-shaped slots being formed in the ends of said cap member, screw means extending through said slots and engaging said plate for maintaining said cap member in position, said cap having a depressed central portion aligned with the end of said rotatable shaft and an annular depressed portion defining the rotatable path of ball bearings in said ball race around said shaft and a path for lubricant extending from the T-shaped slots in said cap member to said ball race.

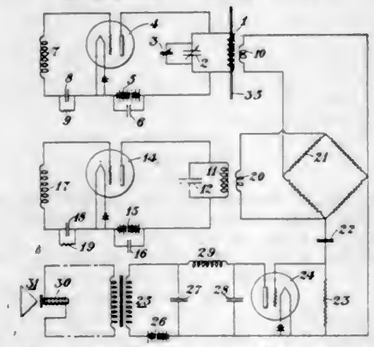
1,984,465

METHOD OF AND APPARATUS FOR DETECTING STRUCTURAL DEFECTS IN MATERIALS

David W. Dana, Cliffside, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application January 5, 1931, Serial No. 506,663

15 Claims. (Cl. 175—183)



1. In apparatus for detecting defects in an electrical conductor, in combination, means to produce a radio frequency electro-magnetic field with the axis of said conductor parallel to the

lines of force of said field, means to guide said conductor through said field whereby successive portions of said conductor may be subjected to said field to produce eddy currents therein, and means to compare the energy absorbed by said eddy currents in different portions of said conductor.

15. In apparatus for detecting defects in an electrical conductor, in combination, means to produce a radio frequency electro-magnetic field, said means including a coil and an energizing circuit therefor, means to guide said conductor through said field with the axis of said conductor extending in the direction of said field, whereby successive portions of said conductor may be subjected to said field to produce eddy currents therein, and means including a constant coupling independent of said conductor with said energizing circuit to compare the energy absorbed by said eddy currents in different portions of said conductor.

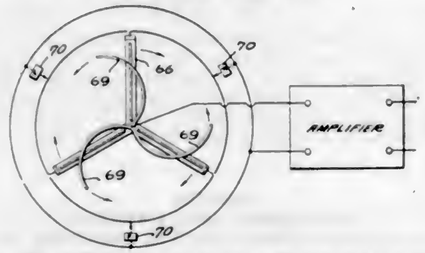
1,984,466

SYSTEM OF MULTIPLE PHOTOTELEVISION

Alfred M. Denham, Spokane, Wash.

Application February 16, 1934, Serial No. 711,583

15 Claims. (Cl. 178—6)



1. The method of analyzing a field of view which comprises moving a plurality of analyzing elements simultaneously in a single orbit lying wholly within the field of view and sequentially through corresponding points of said orbit and causing each of said elements to be effective for analysis throughout said orbit.

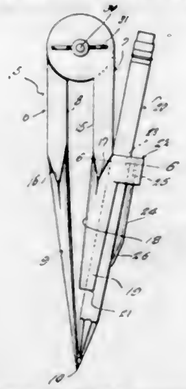
1,984,467

CARPENTER'S DIVIDER

William J. Des Roberts, Biddeford, Maine

Application October 13, 1932, Serial No. 637,665

3 Claims. (Cl. 33—149)



1. In carpenters' dividers including a pair of legs, pencil carrying means on the outer side of one of said legs, said means comprising a block having a pencil receiving bore, a portion of said means being provided with a channel with which said bore communicates, said channel being angulated with respect to said one leg to permit a pencil located in said bore and channel to extend a relatively great distance above said block, and spring means extending downwardly from said block and having a sharpened portion engaging the side of the pencil below said block to clamp the pencil in said bore and channel.

1,984,468

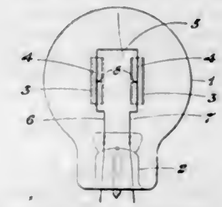
GASEOUS ELECTRIC DISCHARGE DEVICE

Eduard G. Dorgelo, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application April 18, 1934, Serial No. 721,122

In the Netherlands April 24, 1933

1 Claim. (Cl. 176—122)



An electric discharge device comprising a container, a gaseous atmosphere therein, electrodes sealed therein, one of said electrodes comprising a heater element and being electron emitting when heated, part of said heating element being connected in parallel with the discharge to said electrode, another part of said heating element being connected in series with said discharge to act as a series resistance for said discharge.

1,984,469

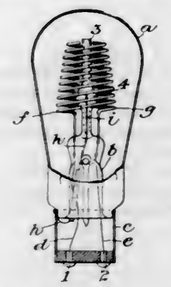
ELECTRIC CATHODE GLOW LAMP

Hans Ewest, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application September 10, 1929, Serial No. 391,679

In Germany November 1, 1928

1 Claim. (Cl. 250—27.5)



An electric discharge device comprising a container, a gas filling therein, a plurality of discharge electrodes therein, an insulation chamber for one of said electrodes, two of said electrodes being hollow electrodes, and another of said electrodes being mounted in the interior of said hollow electrodes and being enclosed in said insulating chamber, said insulating chamber extending beyond the end of said electrodes, the discharge paths between said electrodes being in electrically parallel relation and of different lengths.

1,984,470
FOOD PRODUCT AND METHOD OF MAKING SAME
Daniel A. Farrell, Chicago, Ill., assignor to John F. Jelke Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 23, 1932, Serial No. 644,140
13 Claims. (Cl. 99—11)

1. An edible preparation which is of semi-solid consistency and spreadable at ordinary temperatures, comprising a substantially permanent homogeneous emulsion of a chocolate-bearing aqueous portion and an edible fat, said fat and aqueous portion constituting at least one-half and one-third respectively of said emulsion by weight and an emulsifying agent.

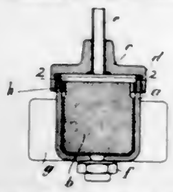
9. The process of preparing a chocolate flavored fatty composition, of semi-solid consistency and spreadable at room temperatures, which comprises churning a mixture of fats, crystallizing said mixture of fats and emulsifying in the cold by means of an emulsifying agent, an aqueous portion containing a chocolate material with said fat mixture to produce a substantially permanent homogeneous emulsion.

1,984,471
LENTICULATED FILM
Fritz Fischer, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application July 16, 1932, Serial No. 622,887
In Germany July 18, 1931
9 Claims. (Cl. 95—2)



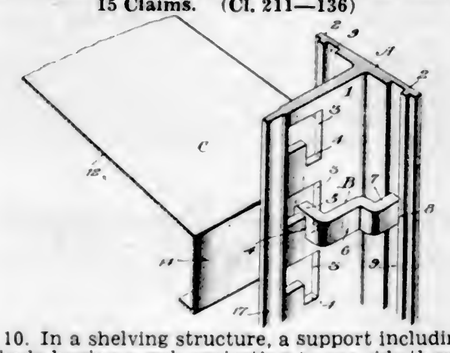
1. A film comprising a base having a multiplicity of lenticulations on one side thereof and an emulsion adjacent the other side thereof, and a multiplicity of light-deflecting elements disposed closely adjacent and in fixed relation to said emulsion and in the path of light passing therethrough.

1,984,472
MANUFACTURE OF ARTIFICIAL THREADS
Alfred Friederich, Berlin, and Paul Schlack, Berlin-Karlshorst, Germany, assignors to Aceta G. m. b. H., Lichtenberg, Germany, a corporation of Germany
Application May 7, 1929, Serial No. 361,080
In Germany May 15, 1928
4 Claims. (Cl. 18—8)



4. A device for equalizing the temperature of a spinning solution before leaving the nozzle which comprises a body of high heat capacity, placed in the path of the spinning solution directly above the nozzle, of such a character that the spinning solution flows finely distributed over a substantial distance across said body of high heat capacity.

1,984,473
SHELVING
George Roscoe Gibson, Brookfield, and Alexander Wood, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application December 12, 1932, Serial No. 646,924
15 Claims. (Cl. 211—136)

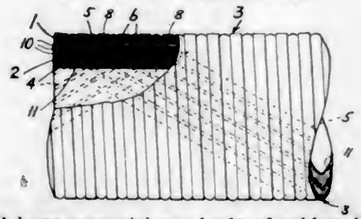


10. In a shelving structure, a support including a body having a web projecting to one side thereof, said body having grooves formed in the faces thereof lying at each side of the web, a clip carried by said web and having feet fitting in said grooves, and a shelf supported by said clip.

1,984,474
MALLEABLE IRON CASTING
Robert C. Good, Pittsburgh, Pa., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application July 5, 1933, Serial No. 679,079
4 Claims. (Cl. 148—21.8)

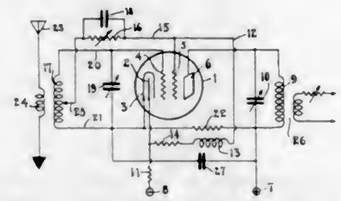
1. A malleable cast iron consisting in its metallographic structure substantially of pearlite, chrome-ferrite, and temper carbon, and containing about 1.5% to 3.5% carbon, at least about 0.53% and not over about 4% silicon, 0.15% to 2% chromium, 0.18% to 0.7% manganese, 0.05% to 0.3% phosphorus, and up to about 0.2% sulfur; the silicon, manganese, and carbon being proportioned as in ordinary chromium-free white iron except that the silicon content is 0.03% to 2% higher than in said white iron, and the ratio of additional silicon to chromium being between about 0.2 and about 1.25.

1,984,475
HOSE
Howard W. Goodall, Aldan, Pa.
Application February 14, 1930, Serial No. 428,285
6 Claims. (Cl. 137—90)



1. A hose comprising a body of rubber-like material having embedded therein a plurality of layers of spiral windings of strips of metallic mesh material, each layer comprising a plurality of strips uniformly spaced apart, the strips in certain windings crossing the strips in other windings.

1,984,476
WAVE REPEATING SYSTEM AND APPARATUS
Philip M. Haffcke, Dobbs Ferry, N. Y., assignor to Radio Research Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application April 22, 1933, Serial No. 667,358
5 Claims. (Cl. 179—171)



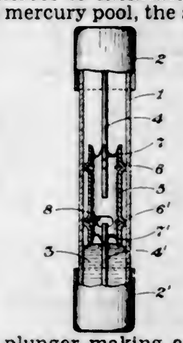
1. In combination a wave repeater device having a filling of an ionizable medium, a cathode, a cathode, a control grid and an auxiliary grid, a signal input circuit for said device, a signal output circuit for said device, and variable impedance means between said auxiliary grid and said input circuit for controlling the extent of regeneration of the waves repeated through said device.

1,984,477
ARTICLES FROM CELLULOSE DERIVATIVES OF THE HIGHER FATTY ACIDS
Max Hagedorn and Eugen Gühring, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application April 11, 1928, Serial No. 269,294. In Germany April 22, 1927
17 Claims. (Cl. 18—55)

1. The process which comprises moulding and gelatinizing an unformed and heterogeneous mass containing as a substantial constituent a fibrous cellulose derivative the hydroxyl groups of which are at least partly esterified by means of a higher fatty acid, by subjecting the said cellulose derivative to mechanical pressure at an elevated temperature lying below the fluidity point of the said cellulose derivative.

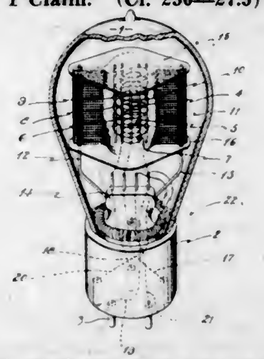
1,984,478
MERCURY SWITCH
Charles Hatay, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application March 4, 1932, Serial No. 596,846
In Germany March 6, 1931
2 Claims. (Cl. 200—112)

1. A mercury switch comprising a tubular container, electrodes sealed therein at each end thereof, a pool of mercury in said container, at least one of said electrodes being out of said mercury when electrical contact is broken in said switch, a plunger in said container, said plunger surrounding the contact point between said mercury and said last named electrode at all operating positions of said plunger, said plunger being totally immersed in said mercury when electrical contact is made in said switch, said plunger having a perforated wall and pointed protuberances at each end thereof to facilitate the movements thereof in said mercury pool, the successive move-



ments of said plunger making and breaking the electrical contact between said electrodes.

1,984,479
ELECTRIC DISCHARGE DEVICE
John Allen Heany, New Haven, Conn., assignor to Radio Research Laboratories, Inc., New Haven, Conn., a corporation of Delaware
Application June 15, 1932, Serial No. 617,346
1 Claim. (Cl. 250—27.5)



An electric discharge device comprising an envelope having a bulb-like portion and a reentrant portion, said envelope having a filling of an ionizable medium, a set of electrodes mounted in said bulb-like portion, and a heater coil surrounding said reentrant portion.

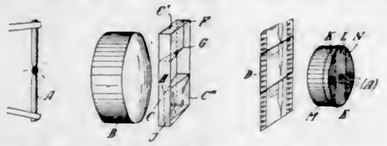
1,984,480
MANUFACTURE OF PENTAVALENT ANTIMONY COMPOUNDS
Albert Leon Henne, Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
No Drawing. Application June 5, 1931, Serial No. 542,468. Renewed January 9, 1934
11 Claims. (Cl. 23—98)

1. Process which comprises dissolving SbF_3 in a solvent and interacting the solution with a halogen other than fluorine to form SbF_3X_2 where X is the halogen used in the reaction.

1,984,481
APPARATUS FOR PROJECTING LENTICULAR FILMS
Gerd Heymer, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application November 12, 1930, Serial No. 495,209
In Germany November 21, 1929
7 Claims. (Cl. 88—16.4)

1. In an apparatus for projection in operative combination, a lenticular film, a source of light

illuminating said lenticular film, an objective arranged in front of said lenticular film for projecting the same, a multi-color filter for projecting said lenticular film in natural colors comprising a plurality of areas of different color and being



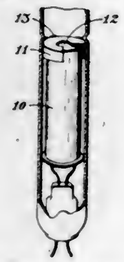
arranged in front of said objective, and means for forming an equal number of separate sharp images of at least a part of said source of light and projecting one of said images separately on each of said filter color areas.

1,984,482

GASEOUS ELECTRIC DISCHARGE DEVICE

Masujiro Imamura and Buntaro Fujita, Tokyo, Japan, assignors to General Electric Company, a corporation of New York

Application December 21, 1931, Serial No. 582,206
In Japan January 13, 1931
2 Claims. (Cl. 176—126)



1. An electric discharge device comprising a container, an electrode sealed therein, an electrode chamber for said electrode, a gaseous atmosphere therein, said electrode being a hollow cylinder, each of the rims of said electrode being protected by a body of insulating material from the electric discharge in said device, the insulating body protecting the rim of said electrode remote from the discharge path in said device being a solid disc closing the end of said electrode, the insulating body protecting the rim of said electrode adjacent the discharge path being of annular shape, the diameter of the opening therein being smaller than the diameter of the opening in said electrode, the outside diameter of both said insulating bodies being substantially the same as the inside diameter of said electrode chamber, said bodies supporting said electrode away from the wall of said chamber.

1,984,483

ELECTRIC GASEOUS DISCHARGE DEVICE

Carl E. Kenty, Jersey City, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application March 25, 1930, Serial No. 438,669
2 Claims. (Cl. 176—126)

1. In an electric gaseous discharge device having a plurality of anodes maintained at different potentials with respect to each other, the method of reducing the cross current between anodes of different potential which comprises reducing the metastable atom concentration adjacent to said anodes by irradiating the gas contiguous to each anode while inactive with radiations destructive of metastable atoms and at the same time shielding said contiguous gas from the resonance radiations of said gas.



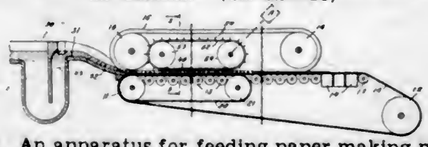
2. In combination in an electric gaseous discharge device, a sealed envelope, a gaseous atmosphere therein, at least three electrodes within said envelope, one of said electrodes being adapted to serve continuously as a cathode while the others are adapted to serve alternately as anodes, and a shield between each of said anodes and the path of a discharge to said cathode from any other anode, at least a portion of said shield being formed of material which is opaque to radiations which promote electron emission from said anode and transparent to radiations destructive of metastable atoms.

1,984,484

APPARATUS FOR FEEDING PAPER MAKING MACHINES

George Daniel Kilberry, Lancaster, Pa.

Application November 14, 1931, Serial No. 574,974
12 Claims. (Cl. 92—44)



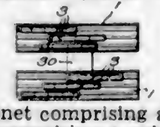
1. An apparatus for feeding paper making machines which comprises a movable stock receiving member, a fixed lip over which a sheet of stock flows onto said member means for adjusting the head of the stock above said lip, and means movable with the part of said member which first receives the stock for preventing the drainage of water from the stock.

1,984,485

ROLLING OR SLIDING CARD FILE

Albert J. Kotcher, Detroit, Mich., assignor to Chrysler Corporation, a corporation of Delaware

Application January 6, 1933, Serial No. 650,457
4 Claims. (Cl. 45—2)



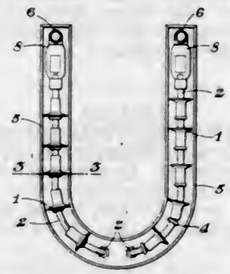
1. A filing cabinet comprising a relatively long rectilinear tray comprising a substantially horizontal bottom portion and substantially vertical walls, and a plurality of relatively short rectilinear trays disposed within said long tray in side-by-side relationship, said short trays being individually movable longitudinally of said long tray.

1,984,486

INSULATING SUPPORT MEANS FOR THE CURRENT LEADS OF LUMINOUS SIGNS

Heinrich Lange, Neuhaus-on-the-Rennweg, Germany, assignor to General Electric Company, a corporation of New York

Application April 26, 1933, Serial No. 668,067
In Germany May 31, 1932
1 Claim. (Cl. 40—130)



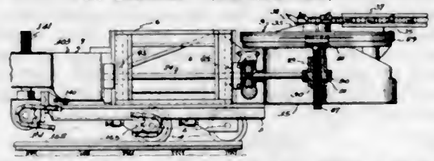
A sign comprising in combination, a hollow housing member of conducting material and of distinctive configuration and having a reflecting surface, a luminous tube of the same configuration mounted on said housing member in operative relation to said reflecting surface, current leads for said luminous tubes, said current leads being in said housing, insulating means for said current leads, said insulating means comprising a plurality of tubes, each of said tubes having a flared end and a larger inside diameter than the diameter of said wire, and spacing means interposed between said tubes and frictionally engaging said wire, said spacing means being a resilient annular member circular in cross-section, the flared ends of said tubes centering said wire in the curved contour of said housing.

1,984,487

MINING MACHINE

Frank A. Lindgren, Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 29, 1930, Serial No. 491,861
32 Claims. (Cl. 262—28)



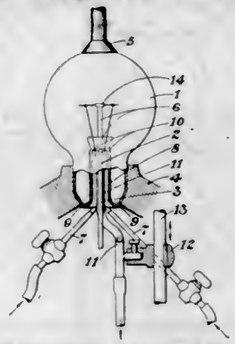
19. In a track mounted mining machine, a truck having track wheels and axles thereon and a pair of parallel spaced vertically extending guides on each side thereof, a cutting element supported by said guides for vertical movement with respect to said truck including a motor and a projecting cutter bar, said cutting element being so arranged that it may be inverted so the cutter bar may project from the bottom thereof as well as the top, means driven from said motor for moving said cutting element in said vertically spaced guides when in a normal or inverted position, and means driven by said motor for driving said truck when said cutting element is in a normal or inverted position.

1,984,488

METHOD OF AND MEANS FOR THE LOCAL HEATING OF BODIES

Cornelis Andries Heero Mulder, Oosterbeek, Netherlands, assignor to General Electric Company, a corporation of New York

Application August 15, 1932, Serial No. 628,908
In the Netherlands August 7, 1931
8 Claims. (Cl. 49—78)



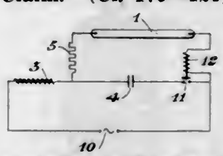
1. Method for locally heating bodies comprising the step of drawing off the hot gases created during the heating from those places that are not to be heated and directing the heating means by suction.

1,984,489

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Johannes P. M. Mutsaers, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application January 24, 1933, Serial No. 653,330
In Germany February 11, 1932
1 Claim. (Cl. 176—124)



A circuit for starting and operating a gaseous electric discharge lamp device on a 220 volt, 50 cycle current source comprising an inductance and a capacitance connected in series and an impedance in series with said lamp device, said capacitance being connected in parallel with said lamp device and means controlled by current flowing in said device for cutting out of circuit said capacitance during the operation of the lamp device.

1,984,490

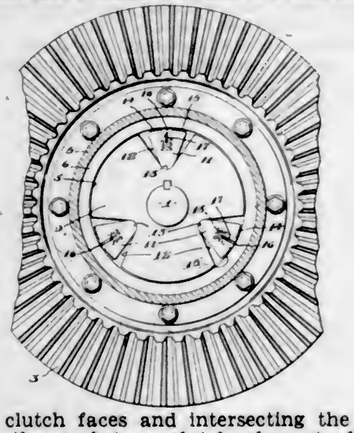
OVER-RUNNING CLUTCH CONSTRUCTION

Stanley C. North, Syracuse, N. Y., assignor of one-third to Stanley H. Keeling and one-third to Dwight H. Keeling, both of Syracuse, N. Y.

Application February 10, 1932, Serial No. 592,046
Renewed May 5, 1934
3 Claims. (Cl. 192—43)

1. A driving mechanism including driving and driven elements, and a two-way over-running clutch between them, said clutch comprising an outer circular clutch member, and an inner member within said outer member, a double pawl carried by the inner member and pivoted at its inner end thereto and having its outer end provided with arcuate clutch faces at its outer end receding in opposite directions from the median

radial line of the pawl, and arranged to coact with the outer clutch member, said pawl being formed with a radial socket opening through its outer end and a transverse slot between said re-



ceding clutch faces and intersecting the outer end of the socket, a clutch element slidably mounted in said slot and a spring in the socket tending to thrust said element outwardly.

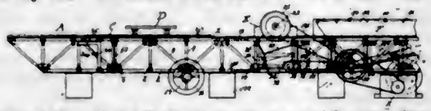
1,984,491
DUSTPAN ATTACHMENT FOR BROOMS
Antoni Ozdobinski, Edwardsville, Pa.
Application April 10, 1934, Serial No. 719,923
4 Claims. (Cl. 65—62)



1. A dust pan adapted to be attached to a broom head and its handle; said dust-pan having a body portion partially enclosing the upper part of the broom head and a handle portion partially enclosing the broom handle, said dust-pan having a portion at the juncture of the handle and body enlarged to fit the neck portion of the broom head, the enlarged portion provided with a restricted neck adjacent the dust pan body whereby the dust-pan is hindered from longitudinal movement relative to the broom head, a tubular slide on the broom handle movable toward the broom head to engage over the dust-pan handle to hold the latter against the broom handle, and detachable means to secure the dust-pan body to the broom head.

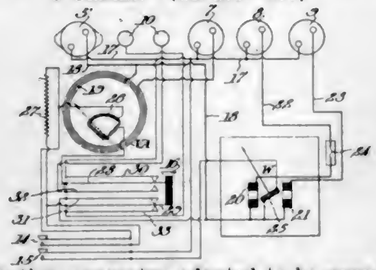
1,984,492
PORTABLE SAWMILL
Minor Emmett Peace, Magnolia, Ark.
Application April 17, 1933, Serial No. 666,611
13 Claims. (Cl. 143—43)

1. A multiple unit portable sawmill comprising a portable unit having tracks thereon for a log carriage and a saw frame rigidly secured thereto at one side of said tracks and supported on said unit, a second portable unit having an edger mechanism mounted thereon, said units having means thereon independent of said saw frame whereby they may be rigidly secured together in side by side relation with said second unit on the



same side of said first unit as said saw frame, power receiving means on the opposite side of the first unit from the second unit, a saw mandrel carried by said saw frame, and means to drive said saw mandrel and said edger mechanism from said power receiving means.

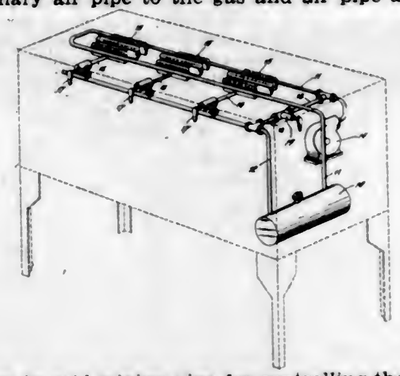
1,984,493
ELECTRICAL TESTING APPARATUS
Raymond T. Pierce, Millburn, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application June 1, 1931, Serial No. 541,454
8 Claims. (Cl. 175—183)



1. Testing apparatus adapted to be connected between a source of electrical energy and an electrical appliance operated from said source, said apparatus comprising at least one receptacle adapted to receive the plug terminal of the electrical appliance, a pair of terminals adapted to be connected to the source of energy, connections including an ammeter field winding between said pair of terminals and a receptacle, a voltmeter field winding, and connections shunting said voltmeter winding across said pair of terminals, said ammeter and voltmeter windings constituting parts of a voltammeter having a single moving system, and said voltmeter winding connections including a switch; whereby the source voltage may be measured when the appliance is not connected to said testing apparatus, and the current consumption may be measured by opening said voltmeter switch and connecting the appliance to the receptacle associated with said ammeter winding.

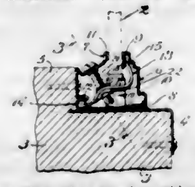
1,984,494
GASOLINE STOVE AND METHOD OF OPERATING SAME
Milan H. Pinkerton, Marshalltown, Iowa
Application June 6, 1932, Serial No. 615,498
1 Claim. (Cl. 158—53)

In a gasoline stove, the combination of a burner, a gasoline supply tank supported below the burner, a fan, a primary air pipe leading from the fan to a point within the gasoline tank below the liquid level therein, a portion of said pipe being arranged close to the burner for heating the primary air and vaporizing the gasoline within the supply tank, a pipe for gas and air leading from the gasoline tank from above the liquid level to the burner, a mixing pipe leading from the primary air pipe to the gas and air pipe and a



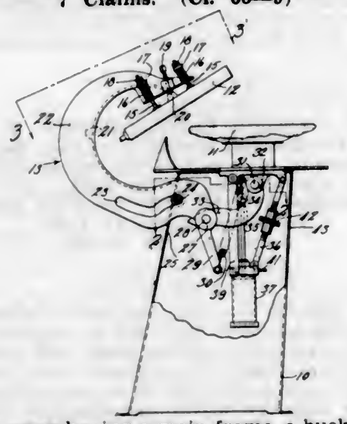
valve in said mixing pipe for controlling the flow of air into the gas and air pipe.

1,984,495
STORE FRONT CONSTRUCTION
Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application July 24, 1933, Serial No. 681,835
6 Claims. (Cl. 20—56.4)



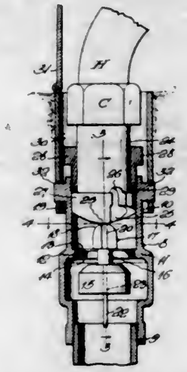
1. In a store front construction, the combination of an inner and an outer glass retaining member, a bracket connecting said members and pivotally mounted on one of said members, an adjusting screw on the other of said members, and a nut carried by said bracket for receiving said screw, said nut being shiftable laterally of said members.

1,984,496
LAUNDRY PRESS
Edward D. Rapisarda, Agawam, Mass.
Application March 8, 1934, Serial No. 714,545
7 Claims. (Cl. 68—9)



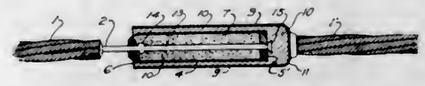
1. A press having a main frame, a buck carried by the main frame, a swinging member pivoted to the main frame below the buck, a C-frame pivoted directly to the swinging member, a pressing head pivotally mounted on the C-frame in such a position that when the head is in contact with the buck the pivotal connection between the head and the C-frame, the pivotal connection between the C-frame and the swinging member, and the pivotal connection between the swinging member and the main frame are all in substantial alignment, and means for moving said swinging member.

1,984,497
VALVE
Peter Riedel, Santa Barbara, Calif.
Application July 20, 1933, Serial No. 681,351
6 Claims. (Cl. 137—13)



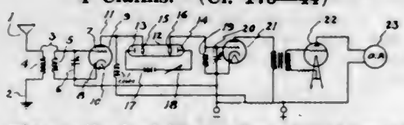
1. A valve comprising a hollow body containing a valve, a stop for limiting the opening movement of said valve, a discharge sleeve extending rotatably into said body, said sleeve being adapted to remain permanently assembled with the body and having means on its outer end for detachable connection with an extraneous hose coupling, a cam on the inner end of said discharge sleeve for forcing said valve open to the extent allowed by said stop and for simultaneously exerting an outward end thrust on the sleeve, a continuous external shoulder on said discharge sleeve facing toward the outer end of the same, a second continuous shoulder in said body facing the sleeve shoulder, and a packing ring surrounding said discharge sleeve between and in contact with said shoulders, whereby the outward thrust on the discharge sleeve when the valve is forced open to the limit allowed by said stop will tightly clamp said packing ring between said shoulders.

1,984,498
ELECTRIC FUSE
Samuel J. Spurgeon, Birmingham, Ala., and Milton B. McClure, Atlanta, Ga.
Application January 13, 1932, Serial No. 586,302
7 Claims. (Cl. 200—113)



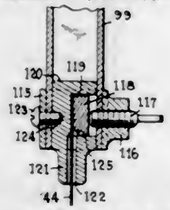
1. In a fuse, a large conductor connected to a small conductor, one portion of the small conductor being exposed and one portion being surrounded by a low-melting metal which is removed from the direct path of current flow.

1,984,499
COUPLING SYSTEM AND APPARATUS
Herbert St. Laurent, New Haven, Conn., assignor to Radio Research Laboratories Inc., a corporation of Delaware
Application September 14, 1932, Serial No. 633,112
4 Claims. (Cl. 178—44)



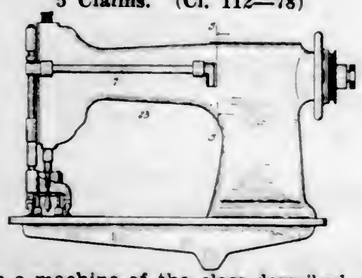
1. The method of impressing signal variations on an electric discharge tube having a control grid electrode which comprises producing a sustained discharge in a gaseous column, applying the signal potentials at one point in said column to vary the conductivity thereof, and applying the resulting potentials at a different part of the column to the control grid of the tube.

1,984,500
SCROLL SAW CHUCK
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application June 7, 1933, Serial No. 674,748
13 Claims. (Cl. 279—44)



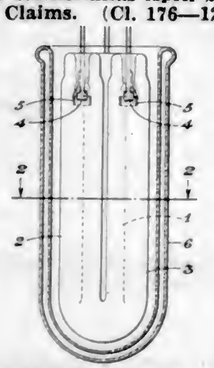
1. A saw-holding chuck for a scroll saw, comprising a tubular member, a primary jaw fitting within the same, means for securing it to said member, said jaw having a lateral recess therein, both ends of said recess lying within the said member, a secondary jaw movably arranged in said recess, thus preventing its escape from the tubular member and means cooperating with the tubular member for forcing one of said jaws against the other.

1,984,501
THREAD DRAWING MACHINE
August Thomas, Bielefeld, Germany, assignor to Anker - Werke Aktiengesellschaft, Bielefeld, Germany
Application January 31, 1933, Serial No. 654,532
In Germany March 3, 1932
5 Claims. (Cl. 112—78)



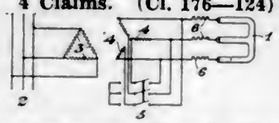
1. In a machine of the class described, a normal presser-bar, a second presser-bar, a metal head on said second presser-bar, feet of rubber in said head, said feet being bent outward.

1,984,502
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Willem Uyterhoeven and Cornelis Verburg, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application April 17, 1934, Serial No. 721,057
In the Netherlands April 21, 1933
2 Claims. (Cl. 176—122)



1. A gaseous electric discharge device comprising a container, thermionic electrodes sealed therein, a gaseous atmosphere therein comprising a metal vapor, said container having three parallel legs arranged in a triangle, each of said container legs having a thermionic electrode sealed therein, the distance between said legs being less than twice the diameter of said legs.

1,984,503
CIRCUIT
Willem Uyterhoeven and Martinus van Dam, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application April 20, 1934, Serial No. 721,543
In the Netherlands April 22, 1933
4 Claims. (Cl. 176—124)



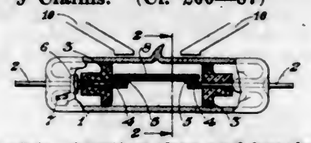
1. The combination of a three phase alternating current source, a gaseous electric discharge device comprising a container, thermionic electrodes sealed therein and a gaseous atmosphere therein and means to connect said electrodes to said source in star during the starting period and in delta during the operating period of said device.

1,984,504
COLOR PHOTOGRAPHY
Arpad von Biehler, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, New York, N. Y., a corporation of New York
Application May 16, 1933, Serial No. 671,389
In Germany May 17, 1932
3 Claims. (Cl. 95—2)



1. A film for three or four color photography comprising a support provided on each side with a light sensitive emulsion layer said emulsion layers being sensitive for different spectral colors and dyed with a filter dye of a color complementary to that for which the emulsion layer is sensitive said filter dye being capable of decolorizing.

1,984,505
ELECTRIC SWITCH
Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application December 13, 1932, Serial No. 647,015
9 Claims. (Cl. 200—87)



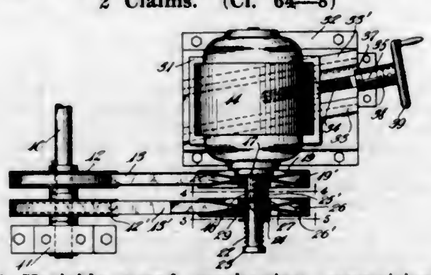
1. An electric circuit maker and breaker comprising a sealed envelope, two fixed contacts sealed into said envelope, and a relatively long bridging member extending between said contacts, at least a portion of said member being made of a magnetizable body, said fixed contacts being spaced apart by a distance slightly less than the length of said member, whereby each end of said member engages one of said contacts.

1,984,506
COMBINATION FURNITURE
James P. Walters, Pilot Mountain, N. C.
Application March 21, 1934, Serial No. 716,692
2 Claims. (Cl. 155—41)



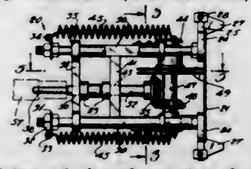
1. As a new article of manufacture, a pair of spaced parallel arms, a tray secured to and supported between said arms at one end of the latter, and end pieces connecting the ends of the arms remote from said tray, and cleats on the inner faces of said arms adjacent the last named end thereof and adapted to cooperate with the end pieces for slidably engaging said arms with the side edges of a suitable supporting device.

1,984,507
VARIABLE SPEED DRIVE
Harry E. Waner, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 26, 1932, Serial No. 607,656
2 Claims. (Cl. 64—8)



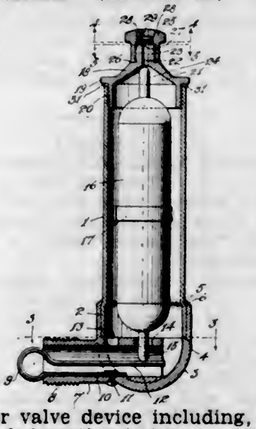
1. Variable speed mechanism comprising a drive shaft, a driven shaft, one of said shafts being provided with fixed multiple grooved pulley means, an adjustable multiple grooved pulley mounted on the other shaft and comprising a set of fixed flanges and opposed thereto a set of yieldably movable flanges, said movable flanges being positively connected to each other for simultaneous and uniform movement, a plurality of belts engaging respective aligned grooves in said pulleys, and sliding means angularly disposed to said shafts for adjusting the distance therebetween and thereby causing lateral movement of the movable flanges to adjust the speed ratio while maintaining alignment of the belts.

1,984,508
SAWING APPARATUS
Jack Weissman and Hyman Zaretzky, Bronx, N. Y.
Application December 21, 1932, Serial No. 648,252
6 Claims. (Cl. 144—83)



1. A machine of the character described comprising a plate having an opening, a guide member attached to said plate and extending rearwardly therefrom, a bracket slidably mounted on said guide member and movable toward and away from said plate, a pair of spaced, circular saws rotatably mounted on said bracket and adapted to be moved through said opening, means on said bracket for rotating said saws, and a spring interconnecting said bracket with said guide member for retracting said bracket.

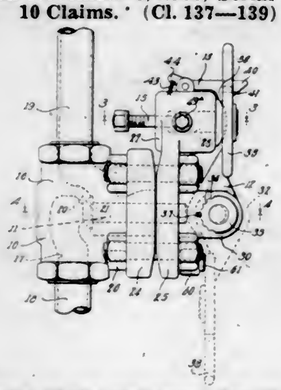
1,984,509
AUTOMATIC STEAM RADIATOR VALVE
William Oscar Wingard, Irvington, N. J.
Application January 12, 1934, Serial No. 706,313
14 Claims. (Cl. 236—62)



1. A radiator valve device including, a casing having a threaded portion to be screwed into the radiator, a thermo-couple element mounted in said threaded portion and having a free movable end, a float within said casing and having a part resting on the free end of said thermo-couple element, a main cap for said casing having a threaded stem and a hole therethrough, an auxiliary cap having a hole therethrough and threaded onto said stem and having an annular recess spaced a short distance from the end of said stem when in position thereon, a thin, flat, triangular-shaped valve normally resting on the end of said stem when there is no steam pressure in the radiator but adapted to be lifted from said stem when pressure is applied to the stem side of the valve, said main cap having an in-

terior seat around the said hole therethrough, and means on said float for engaging said seat when the float is raised to close said hole.

1,984,510
RELEASE VALVE
Scott E. Allen and Ozro N. Wiswell, Los Angeles, Calif., assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application November 6, 1930, Serial No. 493,761
10 Claims. (Cl. 137—139)



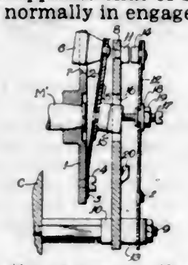
1. A device of the character described, including valve means operable to hold fluid under pressure, a cam for holding the valve means in the closed position operable to a position where the valve means is free to open, an operating arm on the cam, a latch releasably engaging the arm for retaining the cam in position where it holds valve means closed, and electrically actuated fluid pressure means for releasing the latch and for operating the said arm to a position where the valve means is free to open, the last mentioned means including a fluid pressure operated plunger for releasing the latch and transmitting force to the arm.

1,984,511
METHOD OF MAKING HYDROXYQUINONE COMPOUNDS
Rudolph J. Anderson and Melvin S. Newman, New Haven, Conn., assignors to The New Haven Dispensary, New Haven, Conn., a corporation of Connecticut
No Drawing. Application September 9, 1933, Serial No. 688,823
14 Claims. (Cl. 260—56)

1. The method of making a hydroxyquinone compound which comprises the oxidation of 2-methyl naphthalin to form 2-methyl-1,4-naphthoquinone, and the introduction of a hydroxyl group in the 3-position of the 1,4-naphthoquinone ring by the use of an oxidizing process.

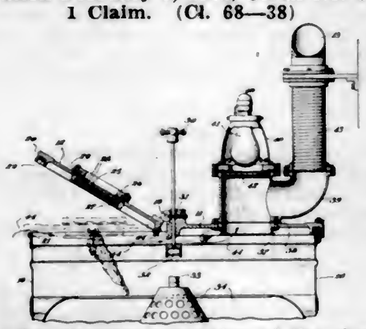
1,984,512
ELECTRIC CONTACT GOVERNOR
Walter A. Anderson, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 23, 1932, Serial No. 648,544
1 Claim. (Cl. 200—80)

A governor for operating a switch included in a motor circuit, said governor comprising in connection a motor-driven rotary member, a spring arm secured at one end to said member and extending radially of said member, a weight attached to the other end of said arm and located at one side of said arm so as to be movable by centrifugal force, to flex the arm away from said member, a rigid contact finger and a spring contact finger in generally parallel arrangement adjacent to the spring arm, said rigid contact finger being located between the spring arm and the spring contact finger, adjacent portions of said fingers at one end being stationarily mounted, contacts on the opposite ends of said fingers, said contacts being normally in engagement with each



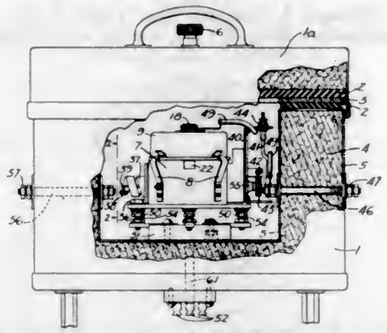
other, an adjusting screw on the spring contact finger located in approximately the axis of said rotary member, the manipulative end of said screw being positioned on the side of said last mentioned finger away from said rigid contact finger to facilitate adjustment, and a projection on the spring arm arranged in the flexing of said arm to make substantially point contact with the end of said screw in substantially the axis of said rotary member to flex the spring contact arm to separate the contacts and thus maintain constant the motor speed.

1,984,513
DRY CLEANING APPARATUS
Louis Angelus, New York, and Daniel Lawrence Baylis, Long Island, N. Y.; said Baylis assignor to said Angelus
Application February 9, 1932, Serial No. 591,806
1 Claim. (Cl. 68—38)



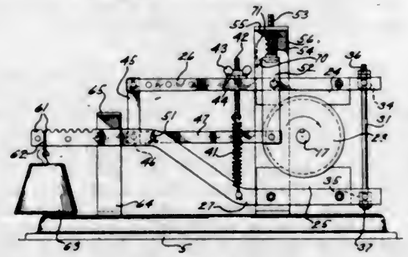
In a dry-cleaning apparatus of the character described, a work chamber adapted to receive articles to be cleaned, the top wall of the chamber being provided with an openable, hinged lid to permit access to the interior of the chamber, a window in said lid, means for closing the lid in a substantially gas-tight manner to prevent escape of obnoxious fumes during the cleaning process, a constantly driven exhaust fan, a conduit extending from the interior of the chamber to said fan, said fan developing insufficient suction to exhaust fumes through said conduit except when the lid is opened, and a lamp arranged to project a light beam into the sealed chamber through said conduit; whereby the cleaning procedure will be constantly visible through the window in the lid, and whereby the slightest opening of the lid will immediately create a fume-exhausting draft through said conduit.

1,984,514
CONSTANT TEMPERATURE APPARATUS
Philander H. Betts, Belmar, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application September 20, 1928, Serial No. 307,118. Divided and this application February 24, 1930, Serial No. 430,546
3 Claims. (Cl. 219—19)



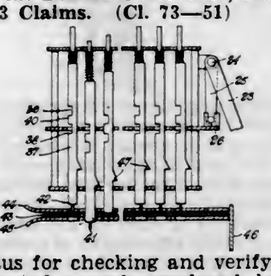
2. A device for maintaining electrical oscillations constant, comprising a metallic block, a helically shaped heating element for said block in heat conductive contact therewith, and a heat regulating element, said heat regulating element being of helical form and concentrically disposed with relation to said heating element and in close proximity thereto, a portion being within the circumscribing boundary of said heating element so as to be exclusively affected by the radiation from the heating element and the remaining portion extending into the ambient atmosphere outside of said boundary so as to be exclusively affected by the temperature of the ambient atmosphere, and to such a distance as to enable the said regulating element to compensate for variations in temperature of said ambient atmosphere.

1,984,515
BRAKE MECHANISM
Fred J. Bigler, Chicago, and Edward J. Crane, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1931, Serial No. 514,719
9 Claims. (Cl. 188—83)



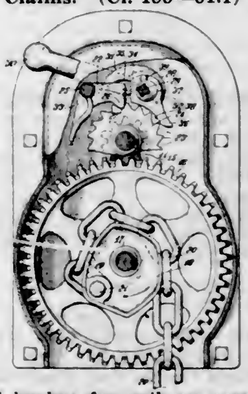
1. In a Prony brake mechanism, a drum, a pair of brake shoes for engaging said drum to apply torque thereto, levers secured to said brake shoes, means for interconnecting adjacent ends of said levers, expansible means for connecting the other ends of said levers, means for normally urging said levers toward each other under a predetermined tension, and means for expanding said expansible means to vary the effectiveness of said urging means for maintaining constant the torque applied by the shoes.

1,984,516
APPARATUS FOR CHECKING AND VERIFYING RECORDS
Leslie Ernest Brougham, Purley, England, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England
Application October 3, 1931, Serial No. 566,707
In Great Britain October 10, 1930
3 Claims. (Cl. 73—51)



1. Apparatus for checking and verifying individual perforated records produced by a plurality of sequential recording stages on record cards comprising in combination a plurality of three position sensing pins respectively adapted to cooperate with said record, each pin being adapted to rest on the top of the card in the absence of perforations in an upper position, to pass through the card to a lower position through a complete record perforation, and to stop in an intermediate position upon an incomplete record perforation, and means cooperating with said plurality of pins to cause an indication to be given when any one pin halts in an intermediate position.

1,984,517
HOLDING AND RELEASING MECHANISM FOR RAILWAY CAR HAND BRAKES
Richard W. Burnett, Chicago, Ill.
Original application September 23, 1929, Serial No. 394,670. Divided and this application February 11, 1932, Serial No. 592,371
8 Claims. (Cl. 188—81.1)



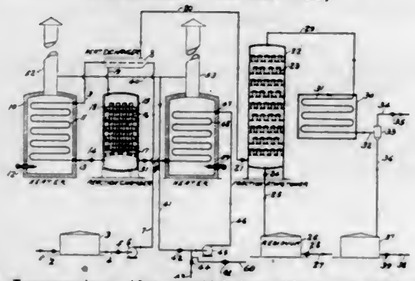
1. In hand brakes for railway cars, the combination with hand power mechanism operable in one direction to set the brakes, of means for holding the power mechanism in and releasing it from its brake setting position comprising a ratchet wheel operable with the power mechanism, a pawl pivoted to engage with the teeth of the ratchet wheel, and tripping means for lifting the pawl out of its holding position; said pawl being formed with a tooth curved to provide a cam portion adapted, during reverse movement of said ratchet above a predetermined velocity, to be engaged and moved upwardly by the teeth of the ratchet wheel so as to prevent re-engagement of said pawl and ratchet in holding position.

1,984,518
BATTERY TERMINAL AND CABLE CLAMP
Charles H. Carpenter, East Detroit, Mich.
Application March 27, 1933, Serial No. 662,859
2 Claims. (Cl. 173—259)



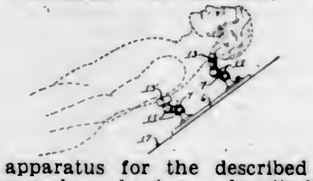
1. A connecting clamp comprising a body having an aperture to receive a terminal post, said body being split to render it expansible and contractible, an arm integral with said body on one side of said split, a socket integral with said body on the other side of said split, a wedge member slidably received in said socket and cooperating therewith to grip the end of a cable, said wedge being hollow and adapted to receive a quantity of grease, and means for exerting pressure for drawing said arm member and wedge member towards each other to contract said body around said terminal post and slide said wedge into cable gripping position.

1,984,519
PROCESS OF PRODUCING MOTOR FUEL FROM HYDROCARBON OILS
Marvin L. Chappell, Watson, Calif.
Application May 17, 1932, Serial No. 611,789
6 Claims. (Cl. 196—65)



3. Improving the antidetonating qualities of hydrocarbon oils suitable for use as a motor fuel by contacting such hydrocarbon oil, at temperatures between 800 and 1300° F., with a gaseous mixture having a free oxygen content from 5 to approximately 18 per cent by volume, in quantities sufficient to reduce the hydrogen content of the oil to at least 14.3 per cent and to not less than 9 per cent by weight.

1,984,520
APPARATUS FOR APPLYING HEAT, COLD, AND PRESSURE TO THE BODY
Cecil Claud Curtis, San Francisco, Calif.
Application May 11, 1932, Serial No. 610,593
3 Claims. (Cl. 128—254)



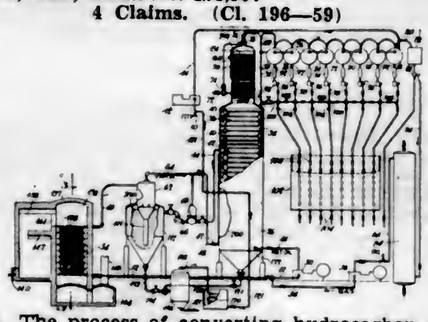
1. An apparatus for the described purpose comprising a base having a longitudinal slot therein; a pair of standards mounted upon said base, one of said standards being adjustable in said slot toward and away from the other; a body rest carried by the upper end of each standard; and hinged joints in said standards, movable in a vertical plane parallel to the movement of said adjustable standard, whereby said rests may be moved up and down and toward and away from each other.

1,984,521
CAP
William J. Deegan, New York, N. Y.
Application May 8, 1934, Serial No. 724,480
4 Claims. (Cl. 2—199)



1. A cap, comprising a vizor, a flexible body portion, and a ductile stay member extending substantially from the inner edge of the vizor radially toward the center of the cap whereby the flexible body portion and stay member may be bent to desired form and be held by said bendable stay member.

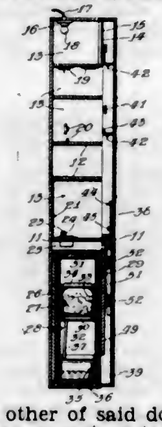
1,984,522
PROCESS OF DISTILLING OILS
Henry L. Doherty, New York, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Original application February 24, 1920, Serial No. 361,030. Divided and this application January 31, 1930, Serial No. 424,807
4 Claims. (Cl. 196—59)



1. The process of converting hydrocarbon oils into hydrocarbon oils of lower boiling point which comprises forcing the oil to be converted through a highly heated confined passage-way with sufficient velocity to prevent substantial deposition of coke the oil being thereby brought to conversion temperature, discharging the oil into and through a succession of enlarged chambers, the contained heat of the oil being confined in the earlier of said chambers to maintain the oil therein at conversion temperature and the later of said chambers being heated only sufficiently to maintain the oil at conversion temperature.

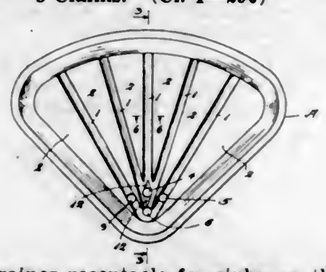
1,984,523
COMBINATION BUFFET AND CABINET
Margaret Ebbitt, Chicago, Ill.
Application March 20, 1933, Serial No. 661,753
3 Claims. (Cl. 312—146)

1. A portable structure of the character described embodying a main cabinet-like structure having open compartments, a plurality of superposed supplemental cabinet-like structures hinged to the said main cabinet and constituting doors or closures for the main cabinet, article holding means in one of said doors, and a foldable table



mounted in the other of said doors, the bottom wall of one of the compartments in the said main cabinet forming a ledge extending between the proximate ends of adjacent door sections and being substantially flush with the front of the door sections when the latter are closed.

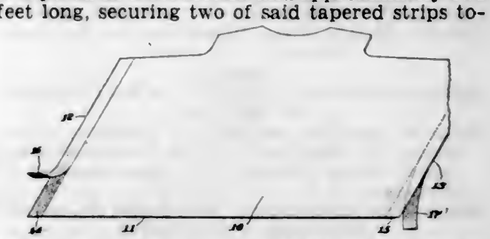
1,984,524
SINK STRAINER
Lyda G. Ebert, Lakewood, Ohio, and Minnie K. Grable, Pittsburgh, Pa.
Application April 9, 1934, Serial No. 719,772
5 Claims. (Cl. 4—290)



1. A strainer receptacle for sinks, or the like, the same comprising a body formed with a plurality of strainer openings adjacent to a side portion thereof, the upper surface of the bottom of the receptacle being formed with grooves merging toward the said strainer openings with the portions of the bottom between the grooves disposed at an elevation higher than the upper ends of the strainer openings so as to prevent clogging of the strainer openings in the manner set forth.

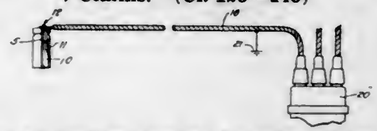
1,984,525
METHOD OF SECURING AN INCREASED YIELD OF WELTING FROM LEATHER STOCK
William J. Fallon, Jr., Boston, Mass.
Application November 10, 1933, Serial No. 697,455
2 Claims. (Cl. 69—21)

1. The method of securing an increased yield of welting from a double shoulder of leather stock that is several feet long and approximately two feet wide, which consists in scarfing each end of the double shoulder of stock by forming a scarfing cut entirely across the ends of the stock before the stock is cut longitudinally into a plurality of strips, to thereby secure from each end of the stock a strip of leather about an inch wide which is tapered in cross section and approximately two feet long, securing two of said tapered strips to-



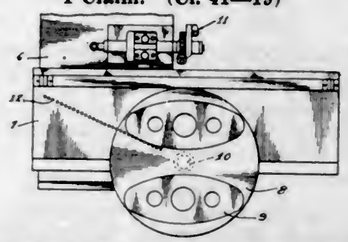
gether with their inclined faces contacting to form a composite leather strip having at least twice the width of a strip of welting, and dividing this composite strip longitudinally into two or more strips of welting.

1,984,526
FILTER FOR SUPPRESSION OF HIGH FREQUENCY CURRENT
Frederick J. Given, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1928, Serial No. 293,715
7 Claims. (Cl. 123—148)



1. In an ignition system for internal combustion engines, a spark plug, an electrode traversing said plug, and a conductor from said plug to an element of said system, said conductor and the electrode of said plug each being covered with a sleeve of magnetic material to introduce inductance to currents in said conductor, said sleeve of the conductor being grounded to introduce a shunting capacity across the gap of said plug, said sleeve of said spark plug being comprised of a series of permalloy discs.

1,984,527
METHOD OF SURFACE FINISHING OF METAL
Oscar F. Gottlieb and Ray A. Sandberg, Waukegan, Ill., assignors to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Original application September 2, 1932, Serial No. 631,446. Divided and this application June 12, 1933, Serial No. 675,378
1 Claim. (Cl. 41—19)



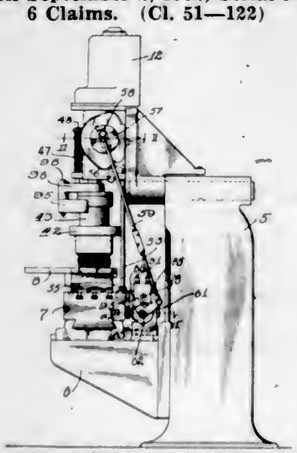
Method of surface finishing an article to produce the effect of partially eclipsed areas on the article, which consists in imparting intermittent movement to the article and during the dwells

subjecting a part of the article surface to abrasive action, and shifting the article in a plurality of directions to present angularly different portions of the article surface to abrasive action in such wise that every abrasive area includes a portion of an adjacent area.

1,984,528
APPARATUS FOR THE SURFACE FINISHING OF METAL

Oscar F. Gottlieb and Ray A. Sandberg, Waukegan, Ill., assignors to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan

Application September 2, 1932, Serial No. 631,446
6 Claims. (Cl. 51—122)

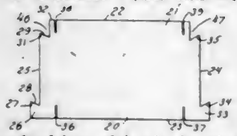


5. In a surface finishing machine of the type wherein an article to be finished is given intermittent movement to present successive portions of its surface to a row of abraders, of a carrier for receiving and moving an article to be finished, a finishing head carrying a multiplicity of abraders, means for angularly adjusting the head to present the abraders in different angular relationships to the direction of movement of the carrier, and means for locking said head in angularly adjusted position.

1,984,529
REVERSIBLE SHINGLE

Norman P. Harshberger, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application June 5, 1931, Serial No. 542,318
9 Claims. (Cl. 108—7)



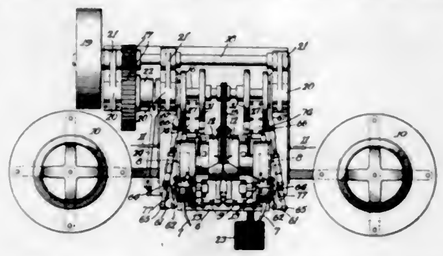
1. An interlocking shingle having interlocking projections at the ends of one longitudinal edge and having a slit adjacent each of said projections in proximity to said longitudinal edge, the projection of one shingle being arranged to lock with the slit of an adjacent shingle.

1,984,530
COVER FASTENER MACHINE

Leslie M. Hile, Benton Harbor, Mich.

Application July 22, 1933, Serial No. 681,703
36 Claims. (Cl. 140—93)

1. A machine for making and inserting wire devices, comprising a movable former with one leg thereof longer than the other, a stationary forming plate adapted and disposed in fixed position to co-operate with the movable former to form the wire device, by bending a length of wire into bail-shaped form with one leg thereof longer than the other, driving mechanism operable at right angles to said movable former to strip the bail-shaped wire device from said

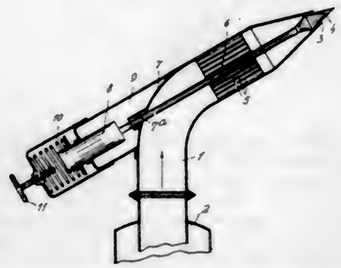


forming plate, by lateral movement thereof, said driving mechanism formed to bend the end portions of said wire device at right angles in different parallel planes so that the two right angled bent portions are of the same length, said driving mechanism being operative to insert said wire end portions through the work, and clinching mechanism to clinch the wire ends upon the work.

1,984,531
SPRAYER EMPLOYED IN WATERING AREAS OF LAND

Wilm Kind, Berlin-Lichterfelde, Gustav Schenk, Berlin-Spandau, and Hugo Richard Busch, Berlin-Zehlendorf, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application December 31, 1931, Serial No. 584,142
In Germany January 6, 1931
8 Claims. (Cl. 299—25)

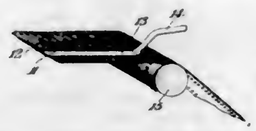


1. A spraying device of the character described, said spraying device comprising a nozzle pipe provided with a discharge outlet and with an air chamber constructed and located to discharge intermittently into said nozzle pipe, a closure for said discharge outlet, said spraying device being provided with a control chamber in open communication with said nozzle pipe and with a pressure chamber, a control piston connected to said closure, said control piston being constructed and arranged to be displaced in one direction by the fluid pressure in said control chamber for moving said closure to outlet opening position, and means for applying a variable pressure to said piston within said pressure chamber in opposition to the pressure of the fluid in said control chamber.

1,984,532
PROCESS OF SONORIZING GOFFERED FILMS AND PRODUCT THEREOF

Isaac Kitroser, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y., a corporation of Delaware

Application October 13, 1930, Serial No. 488,307
12 Claims. (Cl. 88—16.2)

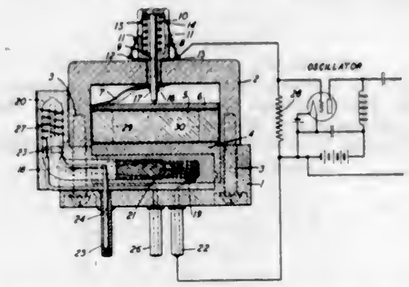


1. A process of producing a goffered film for sound record pictures which comprises goffering the entire width of a film by the gofferings of an impressing means having its gofferings overlapping the edges of the film and then eliminating the goffered surface of a band thereof where a sound record is to be applied without disturbing the body of material remaining on the film.

1,984,533
PIEZO-ELECTRIC OSCILLATOR

William M. Knott, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 2, 1931, Serial No. 560,740
7 Claims. (Cl. 171—327)



6. A piezoelectric crystal, a plurality of electrodes, one of which supports said crystal and another of which is supported only thereby, and thin material included between said crystal and at least one of the said electrodes.

1,984,534
METHOD OF CLEANING NONFERROUS ALLOYS

Leonard O. Larsen, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application December 30, 1932, Serial No. 649,596
5 Claims. (Cl. 148—8)

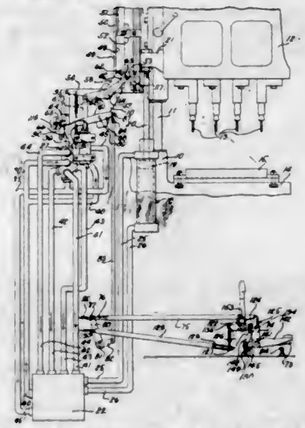
1. A method of cleaning non-ferrous alloys containing copper and another constituent selected from the elements zinc and tin which comprises subjecting the alloy to the action of a bath containing sulfuric acid and phosphoric acid.

4. A method of cleaning non-ferrous alloys containing copper and other constituents selected from the elements zinc and tin which comprises subjecting the alloy to the action of a bath containing nitric acid and phosphoric acid.

1,984,535
CONTROL MECHANISM

Ossian Lundahl, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 16, 1928, Serial No. 319,867
4 Claims. (Cl. 60—52)

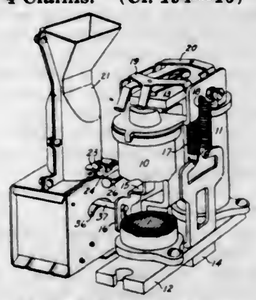


1. In a fluid pressure control mechanism, a casing having a plurality of fluid transmission ports, a valve member movable therein to a plurality of operative positions for controlling said ports, and means for actuating and controlling the valve member comprising a manually releasable latch member for holding the valve member in one of said positions, impositive means rendered effective by the release of the latch member for moving the valve member to another of said positions, a reciprocable member having a cam element mounted thereon for movement therewith, and fluid operated means actuated by the cam element at a predetermined position in the movement of said reciprocable member for moving the valve member to another of its operative positions.

1,984,536
COIN CONTROLLED APPARATUS

John M. Melick, Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

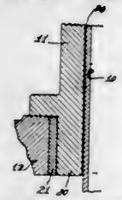
Application December 6, 1932, Serial No. 645,911
4 Claims. (Cl. 194—16)



1. Coin controlled apparatus comprising a coin chute, a coin trap in said chute, a member in said chute for arresting the movement of said trap upon receipt of a deposited coin, a mercury switch responsive to the movement of said trap due to a deposited coin for closing the switch contacts, an electromagnet energized after the closure of said contacts for actuating said mem-

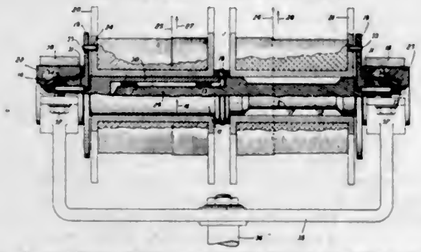
ber to allow said trap to drop, said contacts being broken upon return of said trap to its normal position.

1,984,537
ENGINE
Andre J. Meyer, Grosse Pointe Village, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application January 30, 1933, Serial No. 654,224
20 Claims. (Cl. 123—81)



1. In an engine, a crankcase, a cylinder structure having an annular flange spaced outwardly from the inner end thereof, said flange being seated on said crankcase, a sleeve valve structure operably associated within said cylinder structure and having a portion thereof engaging the inner end of said cylinder structure inwardly of said flange, and a band fitted to one of said structures adapted to vary the normal expansion thereof under engine heat whereby to substantially maintain a predetermined clearance between said sleeve structure and said inner end of said cylinder structure.

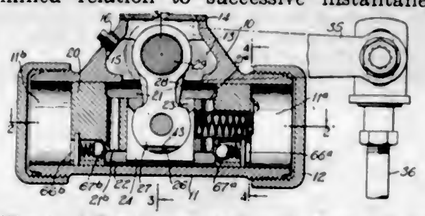
1,984,538
REELING APPARATUS
Wilbur E. Mougey, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1933, Serial No. 686,407
13 Claims. (Cl. 117—18)



1. A reeling device comprising an arbor made in two parts rotatable in opposite directions, the inner end of one of said parts being hollowed to receive the inner end of the other of said parts, means for supporting said arbor with negligible retardation to rotation, and a contacting surface having appreciable friction common to said two parts, said contacting surface being internal to said hollowed part.

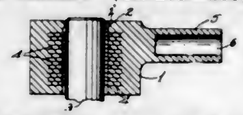
1,984,539
METHOD OF CONTROLLING OSCILLATIONS OF VEHICLE BODIES
John M. Nalle, Fairfield, Conn., assignor to American Chain Company, Inc., a corporation of New York
Original application January 21, 1929, Serial No. 333,758. Divided and this application June 10, 1931, Serial No. 543,273
8 Claims. (Cl. 188—88)

1. In the method of retarding oscillations of a spring, the steps which consist in employing the energy of the spring to exert pressure on a body of liquid and force a portion thereof through an orifice, varying the area of the orifice in predetermined relation to successive instantaneous



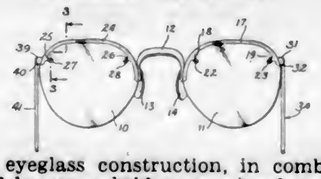
positions of the spring, and modifying the pressure by permitting resilient displacement, without loss, of a portion of the body of liquid.

1,984,540
CONNECTER
Axel Nelson, Great Neck, N. Y.
Application February 2, 1933, Serial No. 654,815
9 Claims. (Cl. 173—259)



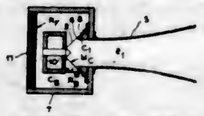
1. In combination, a connecter having an opening, the metallic bristles connected to said connecter and extending through the surface of said opening into said opening and pointing slightly toward one end of said opening, and a lug in said opening with which the ends of said bristles contact.

1,984,541
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application February 13, 1933, Serial No. 656,412
14 Claims. (Cl. 88—47)



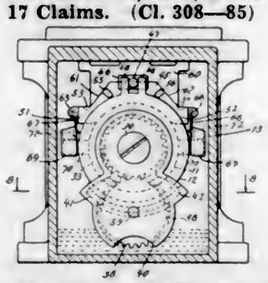
14. In eyeglass construction, in combination, a pair of lenses, a bridge, a pair of parts connecting said bridge to said lenses, a pair of rim members connected to said parts and extending along one plane surface only of said lenses to points thereon substantially spaced from said parts, and a plurality of securing elements extending through each of said lenses and connected to said parts, said securing elements being substantially spaced from one another.

1,984,542
ACOUSTIC DEVICE
Harry F. Olson, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1932, Serial No. 602,158
8 Claims. (Cl. 181—27)



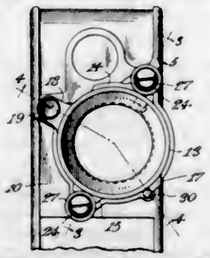
3. Acoustic apparatus comprising a vibratile diaphragm and a directional baffle associated therewith, said directional baffle having a mouth opening and a flare such that the apparatus has a cut off in the neighborhood of one hundred cycles per second, said diaphragm having so small a mass that its acoustic impedance is negligible compared with the acoustic impedance of said directional baffle.

1,984,543
LUBRICATING DEVICE
Carlos E. Padilla, New York, N. Y., assignor to Pastor R. Pelayo, New York, N. Y.
Application November 18, 1932, Serial No. 643,167
17 Claims. (Cl. 308—85)



13. In combination, a shaft, a sump, a flange on the end of the shaft, means for feeding lubricant from the sump to the flange on the shaft, said means including a pair of intermeshing gears and deflecting means adapted to direct the lubricant squeezed out from the gear teeth to the flange, and means extending longitudinally along the shaft for deflecting the lubricant from the flange and conducting the lubricant longitudinally of the shaft.

1,984,544
LENS ATTACHING MEANS FOR CAMERAS
Julius Pearlman, New York, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1932, Serial No. 637,926
13 Claims. (Cl. 88—57)



1. A lens unit comprising a lens casing, a ring-like mount attached thereto, oppositely extending latching flanges on said mount, one of said flanges being of greater angular width than the other.

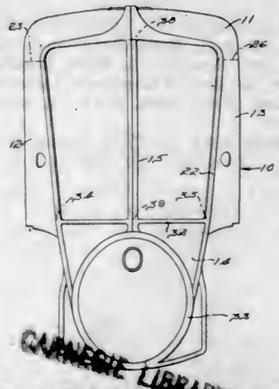
1,984,545
METHOD OF AND MEANS FOR COMPARING ALTERNATING CURRENT VOLTAGES
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1932, Serial No. 649,492
7 Claims. (Cl. 172—245)

3. The method of detecting the phase shift between two alternating currents of like frequency and of unlike phase which includes the steps of, applying each of said currents to a separate medium of variable conductivity, and varying the conductivity of the first medium in accordance with variations in amplitude of the current ap-



plied to the second medium and the conductivity of the second medium in accordance with the amplitude of the currents applied to the first medium.

1,984,546
MOTOR VEHICLE
Emmett G. Purdy, Detroit, Mich., assignor to Detroit Body Die Company, a corporation of Michigan
Application April 7, 1931, Serial No. 528,336
1 Claim. (Cl. 180—69)



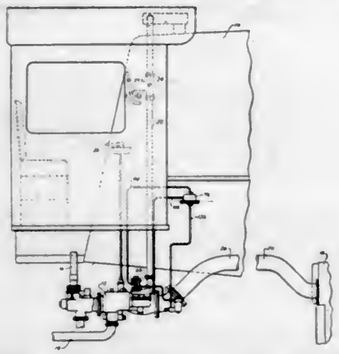
A radiator shell for motor vehicles comprising a plurality of metal panels, including a top panel, a bottom panel, a pair of side panels and a supporting member, said supporting member having a predetermined formation produced by bending the metal thereof and being disposed intermediate the side panels, each individual panel having a predetermined formation produced by bending and but slightly drawing the metal thereof and provided with portions complementary with adjacent portions of other panels and of said member, and welded connections for joining such complementary portions to form a unitary structure.

1,984,547
EXHAUST STEAM INJECTOR
Emanuel Rawson, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y.
Application March 17, 1933, Serial No. 661,334
17 Claims. (Cl. 103—265)

1. Apparatus of the character described, comprising an exhaust steam injector of the type adapted to be operated by exhaust steam from an engine and to be operated by live steam when exhaust steam is not available, conduits for supplying live steam and exhaust steam to the injector, vent valve for venting the portion of the exhaust steam conduit adjacent to the injector to prevent flow of air and non-condensable gases

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to the injector through the exhaust steam conduit and means for causing said valve to close



upon shifting of the injector from live steam operation to exhaust steam operation.

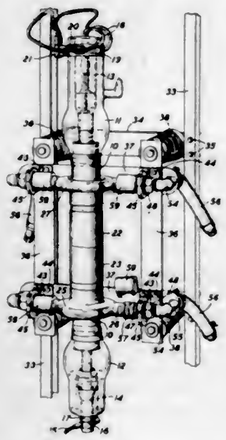
1,984,548

FLUID CIRCULATION SYSTEM

Victor L. Ronci, Brooklyn, James E. Clark, Astoria, and Douglas A. Hale, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 18, 1932, Serial No. 612,144

7 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an enclosing vessel including a cylindrical metallic portion adapted to serve as the anode of the device, an electron emission electrode within said vessel cooperatively disposed with respect to said anode, a casing including a cylindrical shell encircling said anode and closely spaced with respect thereto to form a narrow tubular passageway, said casing having a toroidal end portion forming an enlarged chamber at one end of said shell, means defining a restricted opening between said chamber and said tubular passageway, a plurality of inlets connected to said toroidal end portion and disposed at such angles to one another that the resultant pressure of the cooling streams flowing through said inlets in one plane is substantially zero, and an outlet connected to said shell remote from said end portion.

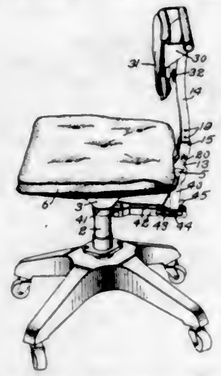
1,984,549

CHAIR

Dwight P. Rowland, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application May 31, 1932, Serial No. 614,323

6 Claims. (Cl. 155—157)



1. A chair having a seat comprising a metal seat, a slot in the rear of said seat, a tubular metal sleeve pivoted in said slot, means for holding said sleeve in different adjusted positions about its pivot, a tubular metal back rest standard slidably mounted in said sleeve, and means for releasably holding said tubular back rest standard in different adjusted positions of said sleeve.

1,984,550

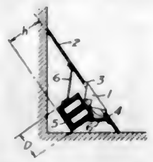
LOUD SPEAKER

Edward K. Sandeman, Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 25, 1929, Serial No. 365,835

In Great Britain August 29, 1928

18 Claims. (Cl. 181—31)



1. A sound generator comprising a diaphragm, means for driving said diaphragm, a casing for said driving means, said diaphragm being supported by said casing, and a deflecting member adapted to be readily located in a corner provided by three rectangular planes, the surface of the deflecting member looking toward said diaphragm, together with the surface of said casing being so shaped that no steep change is introduced thereby in the propagation of the sound waves generated by said diaphragm.

1,984,551

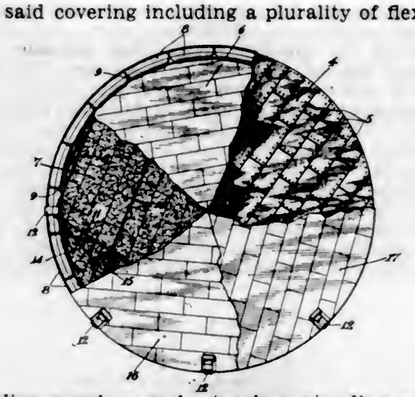
STRUCTURE, SUCH AS TANK ROOF

Elmer R. Schaeffer, New York, N. Y., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio

Application October 3, 1930, Serial No. 486,097

14 Claims. (Cl. 220—1)

1. A structure having a convex roof, a protecting covering for said roof, and securing means for said covering including a plurality of flexible



holding members under tension extending across the roof to hold said covering against the same.

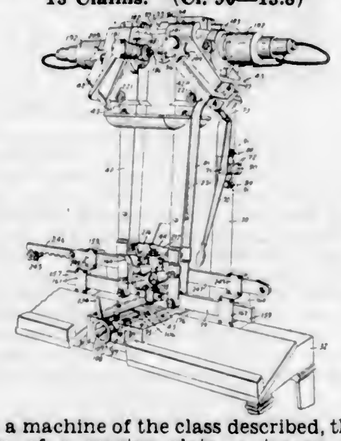
1,984,552

ENGRAVING MACHINE

Howard B. Scott and Edgar Warner, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application February 23, 1932, Serial No. 594,562

13 Claims. (Cl. 90—13.8)



1. In a machine of the class described, the combination of a master plate, a tracer, opposed cutters, automatic means to shift the tracer in a path of travel across the face of the master plate, means to feed the master plate past the tracer in a path substantially at right angles to the first mentioned path, and means to transmit the movement of the tracer to the opposed cutters.

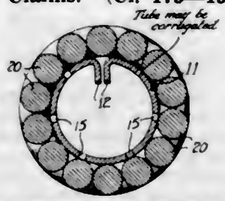
1,984,553

FLEXIBLE ELECTRIC CONDUCTOR

Horace A. Staples, Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware

Application July 17, 1931, Serial No. 551,422

7 Claims. (Cl. 173—13)



1. In a flexible conductor cable having a large overall cross sectional area relative to its metallic area, a core comprising an open longitudinal seamed tube having the edges of the seam turned inwardly to form abutting flanges to prevent the tube from collapsing under circumferential compression.

1,984,554

HOLLOW CABLE

Horace A. Staples, Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware

Application October 1, 1932, Serial No. 635,738

1 Claim. (Cl. 173—13)



A flexible conductor cable having a large overall cross-sectional area relative to its metallic area comprising a plurality of tubes of conducting material stranded together, a flat metallic ribbon laid helically thereon with a pitch less than the stranding pitch of the tubes to provide a large flat surface to support an outer conducting layer, an outer conducting layer comprising a plurality of conductors stranded thereon, whereby said outer layer will lay without caging or bunching.

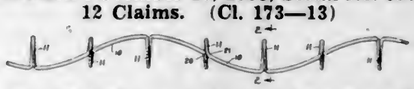
1,984,555

FLEXIBLE ELECTRIC CONDUCTOR

Horace A. Staples, Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of New York

Application November 10, 1933, Serial No. 697,369

12 Claims. (Cl. 173—13)



1. In a flexible conductor cable having a large overall cross sectional area relative to its metallic area, a core comprising a continuous wire of helical conformation and formed into circular loops at periodic intervals the axis of the loops and the axis of the helix substantially coinciding.

1,984,556

AUTOMATIC CHANGE SPEED GEAR MECHANISM

Johan Machiel Vetter, The Hague, Netherlands

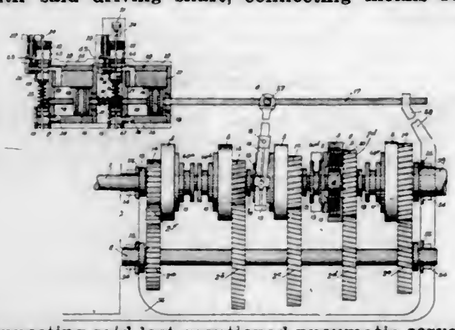
Application November 9, 1932, Serial No. 641,877

In the Netherlands November 11, 1931

26 Claims. (Cl. 74—336.5)

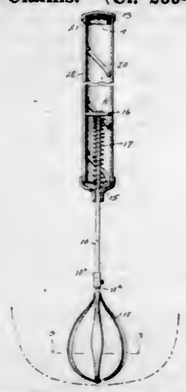
1. Automatic change speed gear mechanism specially adapted for motor vehicles comprising a driven shaft, a fan mounted on said driven shaft, a first pneumatic servomotor operating under the influence of the difference in pressure generated by said fan, a current distributing device comprising several contact pieces operated by said pneumatic servomotor, an electric power supply connected with said current distributing device, conducting means fixed to the contact pieces of the current distributing device, coils connected with said conducting means, a second pneumatic servomotor, a differential pressure supply for actuating said last mentioned pneumatic servomotor, control means for controlling the admission and the outlet of the air of said last mentioned pneumatic servomotor, said control means being actuated by said coils, a driving shaft, gear wheels freely rotating on said driving shaft, gear wheels fixed to said driven shaft, said gear wheels

on said driven shaft constantly meshing with said gear wheels on said driving shaft, coupling means for coupling said gear wheels on said driven shaft with said driving shaft, connecting means for



connecting said last mentioned pneumatic servomotor with one of said coupling means, a hand operated switch for putting the automatic device into or out of operation.

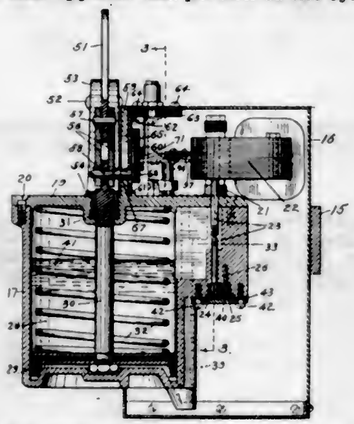
1,984,557
MIXER AND BEATER
Charles Paul Werner, Jackson Heights, N. Y., assignor, by mesne assignments, to Durol Products Corporation, New York, N. Y., a corporation of New York
Application April 2, 1932, Serial No. 602,789
10 Claims. (Cl. 259—128)



1. A mixer and beater including a beater stem, a hollow handle telescoping over the stem, a rigid spiral element separate from but attached at its lower end to the handle the remainder of the spiral element being free from attachment to the handle, and extending within the handle toward the upper end thereof, a coiled spring resisting downward movement of the handle relative to the stem, and a member carried by the stem and rotatable therewith and disposed within the handle, said member being formed to provide a guideway defining a section of a spiral and with which the rigid spiral element engages.

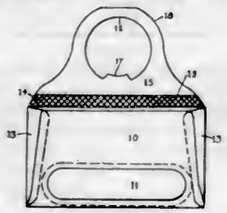
1,984,558
HYDRAULIC REGULATOR
Everett H. White, St. Paul, Minn.
Application October 2, 1931, Serial No. 566,520
23 Claims. (Cl. 60—52)

1. In a regulator for the remote control of a device requiring motive power to effect its operation, hydraulically operated mechanism comprising a fluid containing cylinder, a piston therein, a pump for forcing fluid into one end portion of said cylinder to move said piston longitudinally of the cylinder toward the opposite end portion thereof, means in said opposite end portion of the cylinder for urging said piston longitudinally of said cylinder in direction opposite that in which the piston is moved by said fluid, a motor for actuating said pump, an operating electrical circuit for said motor, a plurality of remotely controlled electrical circuits, means operatively connecting said piston with said device, a by-pass for allowing flow of fluid from said end portion of said cylinder and past said piston into said opposite end portion of the cylinder,



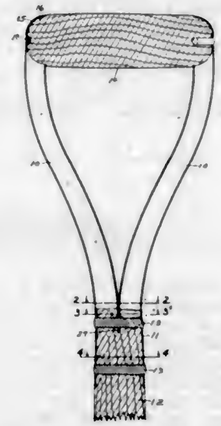
a valve for controlling said by-pass, means controlled by each of said remotely controlled electrical circuits for making said motor operating circuit and for concurrently causing said valve to be closed when the corresponding remotely controlled electrical circuit is made, and means actuated by said piston for breaking said motor operating circuit as made by each of said remotely controlled electrical circuits while leaving said valve closed, said means controlled by each of said remotely controlled electrical circuits being adapted to cause said valve to open when the corresponding remotely controlled electrical circuit is broken.

1,984,559
ENVELOPE
Stephen S. Wilcox, Portland, Oreg.
Application October 10, 1932, Serial No. 637,115
2 Claims. (Cl. 229—74)



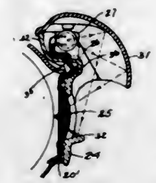
1. An envelope having a closing flap provided with adhesive, adjacent to the open side of the envelope, and having the tip of the flap folded back beyond the end of the envelope, when sealed, said fold forming a gutter for drainage purposes extending substantially the full length of the envelope, the extended portion of said flap having an enlarged opening for receiving the neck of a milk bottle from which said envelope may be suspended.

1,984,560
METAL-AND-WOOD SHOVEL HANDLE
William W. Wood, 3d, Piqua, Ohio, assignor to The Wood Shovel & Tool Company, Piqua, Ohio, a corporation of Ohio
Application September 14, 1932, Serial No. 633,107
3 Claims. (Cl. 294—57)



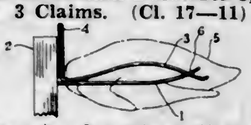
1. A metal-and-wood shovel handle, comprising two sheet metal blanks, each bent to form one-half of a hollow bifurcated handle, each half comprising a zone that constitutes one-half of a stale-socket, said zone joining longitudinally a tubular arm of D-shape cross-section, the flat of the D and the edges of said half-socket being in the same plane, thereby causing the flats of the two arms to be contiguous when the edges of the half-sockets abut to form a complete stale-socket, the contiguous flats combining to form a key that extends down into the socket, and a wooden stale, the upper end of which is confined in said socket, a kerf cut across the extreme end of the stale, embracing said key.

1,984,561
WEIGHING SCALE
Carl J. Zinke, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application January 16, 1933, Serial No. 651,951
3 Claims. (Cl. 240—2.11)



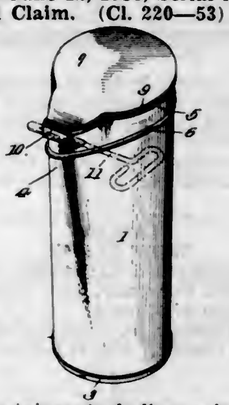
1. In a device of the class described, in combination, weighing mechanism, indicating means actuated thereby, said indicating means comprising an indicia bearing chart, a lens stationed in front of said chart to magnify the indicia thereon, a lamp stationed above said lens, partitioning means between said lens and said lamps, a reflector for directing a portion of such light rays emanating from said lamp through said lens onto said chart and a second reflector stationed adjacent said lens for reflecting another portion of such light rays onto said chart.

1,984,562
APPARATUS FOR EVISCERATING CHICKENS AND OTHER BIRDS
William Ross Chamberlin Ashby, Ightham, England
Application November 22, 1933, Serial No. 699,259
In Great Britain December 3, 1932
3 Claims. (Cl. 17—11)



1. An apparatus for eviscerating a bird, comprising a looped member, another member independent of and adapted to slide into and to co-operate with said looped member for the purpose of gripping the viscera of the bird when said members are inserted successively in the carcass of said bird and for retaining the viscera when said carcass is removed from said members.

1,984,563
EASY OPENING CONTAINER
Greeley Baker, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 12, 1933, Serial No. 675,501
1 Claim. (Cl. 220—53)

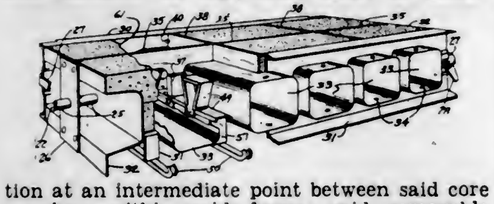


A metal container including a body portion, the lower end of which is circular and the upper part of which is shaped to form a circular portion leading into a projecting spout gradually vanishing into said circular body portion, said container body having an outwardly rolled bead at its upper end extending all the way around the periphery thereof, including the spout, said body portion having a strengthening bead parallel with the bead at the end and extending all the way around said body portion including the spout, a bottom seamed to said body portion, and a cover resting on and overlying said bead at the upper end of the body portion of the container and secured to said body portion by a breakable solder bond, said cover at the portion thereof overlying the spout having an extension extending downwardly parallel with the wall of the container and adapted to receive the key on which the cover may be rolled for breaking the solder bond.

1,984,564
APPARATUS FOR MANUFACTURING CONCRETE BUILDING BLOCKS
Roy Chester Blackman, Cleveland, Ohio
Application March 18, 1929, Serial No. 347,925
5 Claims. (Cl. 25—121)

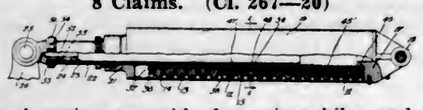
4. A mold for two stage filling in the manufacture of insulated concrete block units which

comprises a separable frame, and core members separately supported therein, said frame having a plurality of transverse divisions therein, and removable means having displaceable resilient members for supporting strips of insula-



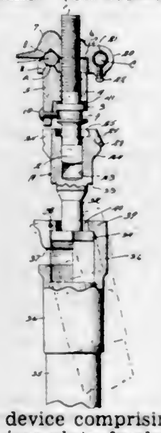
tion at an intermediate point between said core members within said frame, said removable means serving as a portion of the bottom of the mold-half during one stage of the filling of the mold.

1,984,565
VEHICLE SPRING
Frank B. Bell, Pittsburgh, Pa., assignor to Edgewater Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 25, 1929, Serial No. 349,753
8 Claims. (Cl. 267—20)



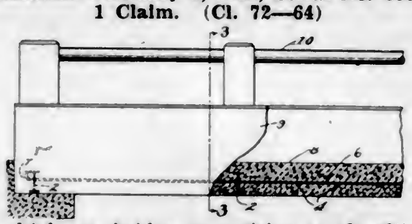
1. A spring assembly for automobiles and the like, comprising a friction spring and a coil spring arranged to conjointly sustain the severe shocks of service, and a second coil spring arranged in tandem with said first mentioned springs for sustaining the minor shock and vibrations.

1,984,566
WIRE CLAMP
Henry W. Bodendieck, Taylorville, Ill., assignor to Tip's Tool Company, Inc., Taylorville, Ill., a corporation of Illinois
Application October 15, 1929, Serial No. 399,821
8 Claims. (Cl. 173—273)



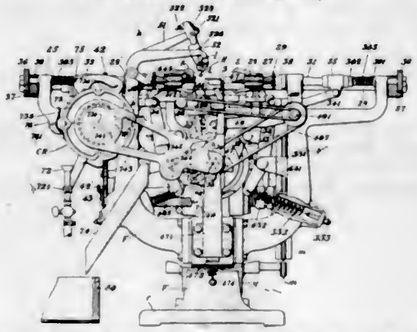
1. A clamping device comprising, in combination, a shank, a jaw plate freely mounted upon the shank, a block through which the shank is threaded and carrying a jaw extension for coaction with the jaw plate, an end portion of the shank having a head angular in cross section, an adapter having a socket to receive the end portion of the shank having the head, said shank being capable of endwise movement independently of the adapter, the adapter and the jaw plate having coacting means in engagement to hold the plate against rotation on the shank when the shank is at substantially the limit of its movement towards the adapter, said coacting means being ineffective when the shank is substantially at the limit of its endwise movement away from the adapter.

1,984,567
BRIDGE CONSTRUCTION
Abel C. Briggs, Wilmington, Ohio
Application February 3, 1933, Serial No. 655,096
1 Claim. (Cl. 72—64)



A highway bridge comprising a plurality of relatively widely spaced girder beams having anchored thereto a concrete slab, a plurality of transverse reinforcing bars spaced relatively closely together passing through said concrete slab and securely attached to each of said girder beams to anchor said slab thereto, said transverse reinforcing bars being subject to tension and imparting to the floor additional strength and load carrying capacity, and auxiliary reinforcing means extending through said concrete slab to prevent cracking from expansion and contraction strains.

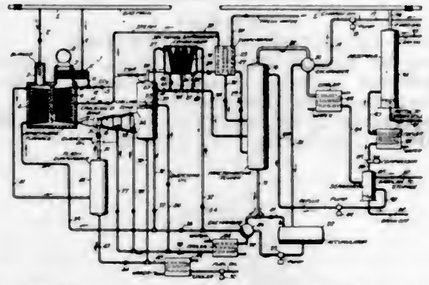
1,984,568
METHOD OF AND APPARATUS FOR WRAPPING DRY CELL BOBBINS
Secondo L. Casella, New York, N. Y., assignor to National Carbon Co., Inc., a corporation of New York
Application April 23, 1921, Serial No. 463,752
80 Claims. (Cl. 93—5)



1. The method of wrapping an article that comprises applying a wrapper thereto, supporting said wrapped article only adjacent the ends of said wrapper, and winding a cord or the like about said wrapped article including such ends.

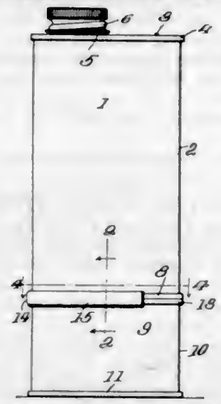
1,984,569
VAPOR PHASE CRACKING PROCESS
Maurice B. Cooke and Hermann Claus Schutt, New York, N. Y., assignors to Alco Products, Incorporated, New York, N. Y., a corporation of Delaware
Application March 12, 1932, Serial No. 598,506
6 Claims. (Cl. 196—66)

6. The process of converting hydrocarbon oils into gasoline-like hydrocarbons of lower molecular weight including the steps of heating the hydrocarbon oil to be converted, flashing the heated oil into vapors and unvaporized oil in an evaporating stage, separately withdrawing the vapors and unvaporized oil from said evaporating stage, simultaneously with said vaporizing steps heating a heat carrier gas in an elongated confined stream, commingling said heated heat carrier gas with hydrocarbon vapors withdrawn



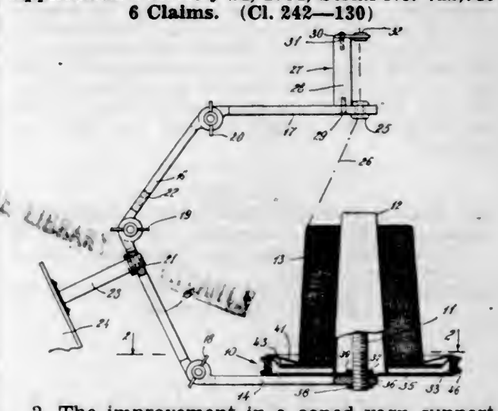
from said evaporating stage to permit a pyrolytic decomposition of the vapors to take place whereby gasoline-like hydrocarbons are formed and controlling the reaction by governing the temperature of the heated heat carrier gas by injecting a cooler gas or vapor into the elongated confined stream while said stream is being heated.

1,984,570
DOUBLE COMPARTMENT METAL PACKAGE
Clarence Leslie Emmons, Clifton, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 9, 1933, Serial No. 688,847
1 Claim. (Cl. 220—20)



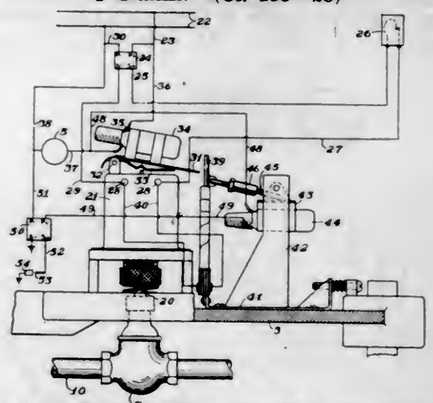
A double compartment metal package comprising two independent sections each including a body portion and an end closure double seamed thereto and forming a laterally projecting ledge, said body portions being rectangular in cross section with rounded corners and of similar cross sectional dimensions, one of said sections being superimposed upon the other with the end seams in contact, and a spring metal clip U-shaped in cross section and dimensioned so as to engage the upper and lower faces of the respective contacting end seams, said metal clip having the ends thereof terminating along the sides of the container, said ends when detached from the body portions being normally spaced a lesser distance than the width of the body portion of the receptacles so that said ends will yieldingly grip the ledges and hold the clip in place thereon.

1,984,571
CONED YARN SUPPORT
Carl Epps, Rome, Ga., assignor to Tubize Chatillon Corporation, a corporation of Delaware
Application February 24, 1934, Serial No. 712,746
6 Claims. (Cl. 242—130)



2. The improvement in a coned yarn support comprising a pan-like frame with a peripheral rim of adequate depth to accommodate the protruding lower end of a paper cone of yarn undergoing unwinding, the bottom of said frame being fastenable to the base of a spindle, a disk with an opening through which the spindle may extend, and means for clamping elastic pad material around said disk and against the rim of said frame.

1,984,572
ELECTRIC PILOT FOR HYDROCARBON FUEL BURNERS
Augustus J. Frame, Columbus, Ohio, assignor to Franklin Oil Heating, Inc., Columbus, Ohio, a corporation of Ohio
Application October 18, 1930, Serial No. 489,635
4 Claims. (Cl. 158—28)



1. In automatically controlled oil burning heating apparatus, a burner unit, means for supplying oil to the burner unit including an electrically operated valve, a motor and a fan driven thereby for supplying air under pressure to said burner unit, a switch for said fan motor, a circuit including a thermostatic switch operable when closed to open said valve and simultaneously close the switch for said motor to operate said fan, an ignition device cooperative with said burner unit for initiating combustion therein, a circuit for said ignition device

including a rockable switch, and an electrically heated warping bar having its free end connected to said rockable switch and operable at the beginning of its movement to keep the latter switch closed for a predetermined time period until combustion has been initiated in said burner unit, said bar upon further movement serving to rock said switch to an open position and maintain it open during the operation of the burner and upon return movement of the bar to again rock the switch to a closed position for effecting the operation of the ignition device until the switch for the fan motor is opened.

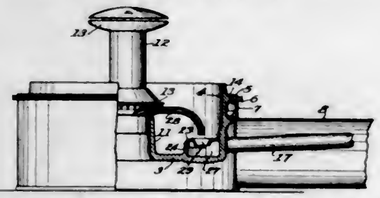
1,984,573

OIL PILOT FOR HYDROCARBON BURNERS

Augustus J. Frame, Columbus, Ohio, assignor to Franklin Oil Heating, Inc., Columbus, Ohio, a corporation of Ohio

Application September 14, 1931, Serial No. 562,724

6 Claims. (Cl. 158—91)



1. In an automatic oil burning heater, a combustion vessel, a pilot burner within the combustion vessel, means to supply oil to said vessel and to said pilot burner, and means delivering a jet of air in a reverse direction to and against a flame produced by the said pilot burner.

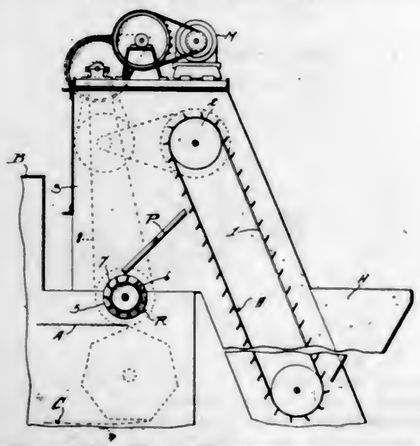
1,984,574

FEEDING APPARATUS FOR CONVEYERS

Frank L. Furbush, Graniteville, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a corporation of Massachusetts

Application December 2, 1933, Serial No. 700,740

2 Claims. (Cl. 198—62)



1. In combination with a screen conveyer, a panel for directing stock to the conveyer, the stock passing by gravity down said panel, the delivery end of the panel being spaced from the conveyer, a rotatable member disposed in the space between the panel and the conveyer, the periphery of said member being provided therearound with a series of circumferentially spaced buckets, a travelling conveyer for delivering material from the source of supply to the panel, a driving shaft therefor and means driven by the driving shaft for moving the conveyer and for rotating the member at a peripheral speed faster than the travel of the conveyer.

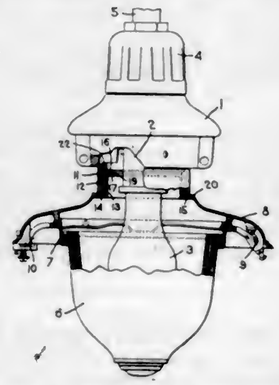
1,984,575

ELECTRIC LIGHT FIXTURE

Louis W. Goetz, Winthrop, Mass., assignor to Wheeler Reflector Company, Boston, Mass., a corporation of Massachusetts

Application January 4, 1933, Serial No. 650,089

9 Claims. (Cl. 240—128)



1. An electric light fixture comprising a head for supporting a lamp and having a screw-threaded member, a sleeve having screw-threaded engagement with said member, a mounting member supported by said sleeve and having a swivel connection therewith to permit the mounting member to be turned into different angular positions relative to the sleeve, and a light-distributing member carried by the mounting member.

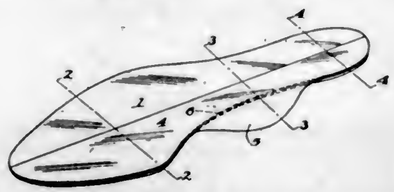
1,984,576

INSOLE FOR CORRECTIVE SHOES

Hiram Gordon, Columbus, Ohio

Application December 22, 1932, Serial No. 648,458

7 Claims. (Cl. 36—22)



1. An insole for a corrective shoe comprising a sole blank, a wedge strip attached to the top of said blank along the inner edge thereof and to one side of the median line of the sole blank, said strip being shaped to conform to the blank along the inner edge of the strip and formed with a wing extension projecting from the strip at the inner shank portion of the sole blank, said wing extension being scored on its under side at the line of juncture with the sole blank, to permit the extension to be turned sharply upwardly in supporting relationship with the arch of the foot.

1,984,577

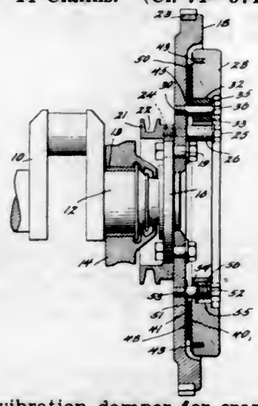
INTERNAL COMBUSTION ENGINE

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application November 23, 1931, Serial No. 576,884

Renewed May 10, 1934

14 Claims. (Cl. 74—574)



1. In a vibration damper for crankshafts, the combination with a flywheel member adapted to be secured to the shaft, of an inertia member mounted on said flywheel member for movement with respect thereto, one of said members having apertures therethrough, deformable bushings fitting within said apertures, bolts passing through said bushings and threaded in the other of said members, and friction means interposed between said members, said friction means comprising a pair of annular plates, one secured to each of said members, an annular disc of friction material interposed between said plates, and rubber rings within and surrounding said disc and vulcanized to said plates to exclude moisture from the cooperating surfaces of said plates and said disc.

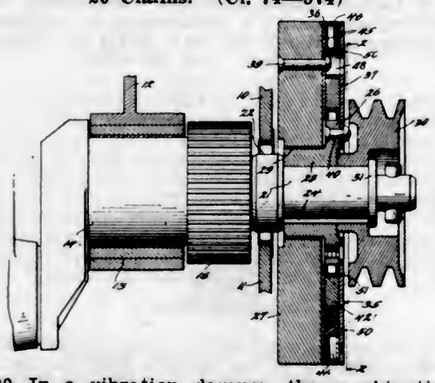
1,984,578

INTERNAL COMBUSTION ENGINE

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 17, 1932, Serial No. 638,261

20 Claims. (Cl. 74—574)



20. In a vibration damper, the combination with an inertia member and a shaft carried member, of a friction connection between said members, and deformable means yieldingly connecting said members, said deformable means being initially tensioned, and means whereby the tensioning of said deformable means is applied to increase the effective pressure of said friction connection.

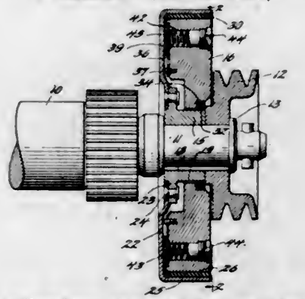
1,984,579

INTERNAL COMBUSTION ENGINE

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application January 31, 1933, Serial No. 654,496

6 Claims. (Cl. 74—574)



1. In a vibration damper for crankshafts, the combination with a member adapted to be secured to a shaft and having a cylindrical hub portion, an axially extending cylindrical outer rim portion overlying said hub portion, and a web connecting said portions, of an inertia member of annular shape positioned intermediate said rim and hub portions and journaled on the latter, means of deformable, energy absorbing material interposed between and surface-bonded to said rim portion and said inertia member over substantially the entire peripheral surface of the latter to resist relative rotation of said members, and a friction connection between said inertia member and said web, whereby vibrations of relatively low amplitude and high frequency may be effectively dampened.

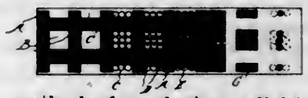
1,984,580

METHOD OF PRODUCING A NEGATIVE BY REVERSAL

Ralph H. Harrison, Detroit, Mich.

Application September 9, 1929, Serial No. 391,142

3 Claims. (Cl. 41—29)



3. The method of producing a light resistant design upon an initially translucent base by chemical action, which consists in first positioning thereon the desired markings with a chemical-resist medium, subjecting those portions of the base not thus protected to the action of a halogen adapted to first penetrate and then emerge from the base, thereafter applying to such last named surface portions a material capable of combining with the halogen to form a relatively insoluble light-resist in the spaces between the chemical-resist, and then removing said chemical-resist.

1,984,581

APPARATUS FOR COOLING AND AERATING MILK

Linus Johan Reinhold Hasselberg, Krapperup, Sweden

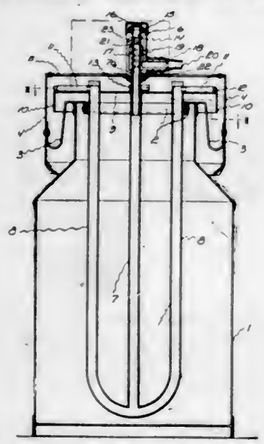
Application June 8, 1934, Serial No. 729,695

In Sweden June 9, 1933

3 Claims. (Cl. 257—74)

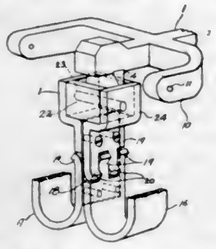
1. An apparatus for cooling and aerating milk in standard milk cans, comprising a holder

adapted to be applied on the top of the can and consisting of a ring lying within the edge of the mouth of the milk can, a surrounding annular guard plate, bent strips connecting said guard plate to said ring, crossed bars carried at the upper end of said guard plate, and a centrally arranged journal sleeve carried by said crossed bars, a rotary stirrer adapted to hang down freely within the milk in the can and consisting of a central tube journaled at its upper end in



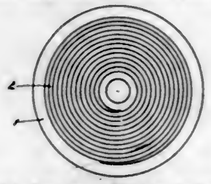
said journal sleeve on the holder and provided with a cooling water inlet, a pair of outer tubes disposed on opposite sides of the central tube and connected to the latter at the lower ends of the tubes, a cover plate lying above the mouth of the can and penetrated by the said tubes, and outwardly projecting extensions provided on the said outer tubes at the upper ends thereof above the said cover plate and having tangentially disposed outlet ends forming reaction turbine nozzles.

1,984,582
SCALE STIRRUP
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application January 12, 1931, Serial No. 508,231
5 Claims. (Cl. 265—27)



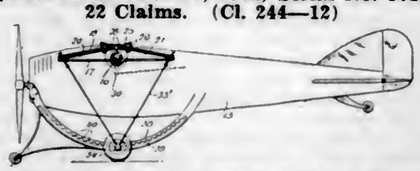
1. In a weighing scale, in combination, with load counterbalancing mechanism, means for connecting two relatively movable parts comprising a yoke like member, a thin flexible member secured to said yoke, two substantially Z shaped brackets fastened to said thin flexible member and adapted to support a bearing for a pivot and means integral with said Z shaped brackets and said yoke like members for preventing movement of said flexible member about any but a predetermined axis.

1,984,583
X-RAY TUBE IN WHICH THE ACTIVE SURFACE OF THE ELECTRODE EMITTING RAYS IS PROVIDED WITH SEAMS
Gottfried Bruno Jonas, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application November 24, 1930, Serial No. 497,860
In the Netherlands June 13, 1930
10 Claims. (Cl. 250—35)



1. An anode for an X-ray tube comprising a target of refractory metal on a backing member of good heat conductive material, said target being constituted by at least one spirally wound wire having contiguous loops or convolutions.

1,984,584
AEROPLANE
Heinrich Karl, Jersey City, N. J.
Application October 27, 1931, Serial No. 571,305
22 Claims. (Cl. 244—12)



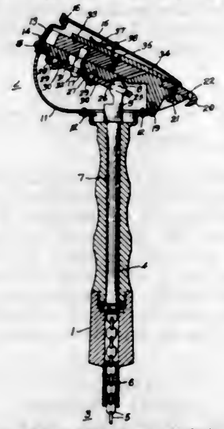
1. In an aeroplane, a fuselage, wings therefor, means to support said wings on said fuselage so that the latter can swing from a horizontal to a vertical position relative to said wings, and means automatically to maintain said wings in a horizontal position during any turning movement of said fuselage between horizontal and vertical positions thereof.

1,984,585
HAIR WAVING APPARATUS
Ralph M. Keele, San Francisco, Calif., assignor to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application March 10, 1934, Serial No. 714,926
12 Claims. (Cl. 132—36)



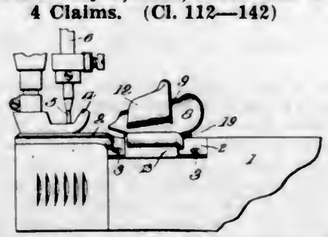
3. In permanent hair waving apparatus, a jacket adapted to be applied about a waving form, said jacket being formed of a single integral piece of resilient rubber, and a holder to which said jacket is detachably secured, said holder including opposed relatively movable members secured to opposed wall portions of the jacket.

1,984,586
SAFETY RAZOR
Zalda A. Keith, Wilkinsburg, Pa.
Application February 12, 1932, Serial No. 592,672
8 Claims. (Cl. 30—12)



1. A razor comprising a driving member, a lower stationary blade, a movable upper blade, and a stationary supporting and guiding member disposed between said driving member and upper blade, said upper blade closely sliding over said lower blade towards and away from the skin to shear hairs therefrom, said movable blade lying substantially in a plane parallel to the direction of use whereby it may be positioned at small angles to the skin.

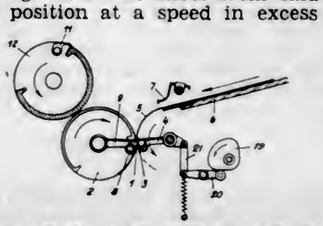
1,984,587
FOLDER MOUNTING FOR SEWING MACHINES
Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 7, 1930, Serial No. 466,287
4 Claims. (Cl. 112—142)



1. The combination of a work supporting member, a folder having means for interfolding fabric sections, a support on which said folder is mounted, means for attaching said folder support to said work supporting member whereby said folder support may be shifted on the work supporting member to different set positions, and a yielding finger carried by said folder support and bearing against the work supporting member for holding said folder support in any set position.

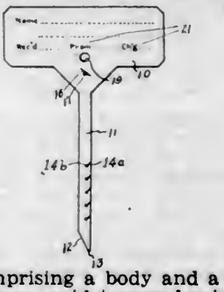
1,984,588
SHEET FEEDING APPARATUS
Max Liebusch, Kotzschenbroda, Germany
Application September 6, 1932, Serial No. 631,918
In Germany April 19, 1932
10 Claims. (Cl. 271—53)

1. The method of feeding sheets to a printing member operating at a constant speed, which consists in arranging a sheet in a predetermined position, seizing the front end of said sheet and withdrawing the entire sheet from said predetermined position at a speed in excess of the



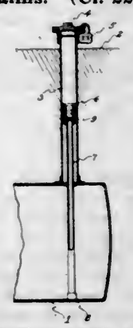
printing speed, decreasing the speed of the entire sheet after it has rapidly cleared said predetermined position to the constant speed of said printing member and presenting said sheet to said printing member.

1,984,589
TAG
George B. Ludy, Cedar Rapids, Iowa
Application December 2, 1931, Serial No. 578,472
2 Claims. (Cl. 40—21)



2. A tag comprising a body and a tongue extending therefrom, said tongue having indentations along one edge thereof extending inwardly and toward the free end of the tongue, said body having a closed slot therein adapted to receive said tongue, said slot extending in a direction toward both the free end of the tongue and the indented edge thereof.

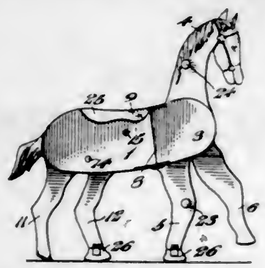
1,984,590
THEFT PREVENTION DEVICE
Fred V. Maddin, Tulsa, Okla.
Application September 22, 1933, Serial No. 690,595
9 Claims. (Cl. 220—86)



1. The combination with a removable abutment in a filling pipe of a gasoline storage tank, of means for removing said abutment, said means comprising an elongated tool, said tool comprising a tubular member, one end of said member extending into a chamber of the abut-

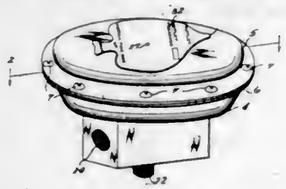
ment, a lock casing carried by the other end of said tubular member, an eccentrically mounted rotated rod in said tubular member and extending into the chamber of the abutment, said rod being lock controlled, a plurality of lugs carried by said rod within the chamber of the abutment and movable into registering grooves in the chamber of the abutment, said lugs being movable to positions outside the lines of the tubular member.

1,984,591
EXERCISING AND AMUSEMENT DEVICE
Joseph Marziani and Natale Casini, Philadelphia, Pa.
Application May 5, 1932, Serial No. 609,402
4 Claims. (Cl. 272—53)



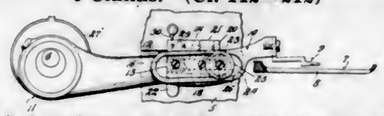
1. An exercising and amusement device comprising a body portion affording a seat for a rider and representing any desired animal, a pair of longitudinally spaced rigid front legs of different lengths carried by the front end of said body portion, and a pair of longitudinally spaced rear legs of different lengths pivotally secured to said body portion, whereby a rocking movement of the rider will advance said animal in a manner simulating the gait of such animal.

1,984,592
PRESSURE REGULATOR FOR GAS REFRIGERATOR PILOT LIGHTS
Allen D. MacLean, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 6, 1930, Serial No. 500,636
3 Claims. (Cl. 50—24)



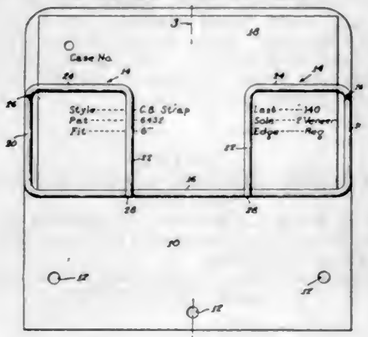
1. In combination with a sheet metal fluid pressure regulator casing having an apertured face, a machined steel block having a face designed for coaction with said casing face, a boss provided on said block and disposed in said coacting face, said block also being provided with suitable inlet and outlet ports and interconnecting ports extending through said boss, said block and casing being welded together in sealing relation with said boss extended through said casing aperture and with said coacting faces in contact, whereby said steel block will stiffen and maintain said casing against flexure or distortion.

1,984,593
TOP FEED MECHANISMS FOR BLIND STITCH SEWING MACHINES
Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application January 22, 1934, Serial No. 707,825
6 Claims. (Cl. 112—212)



1. A 4-motion top feed mechanism for sewing machines comprising in combination a feed lever, a feed dog connected to one end of said lever, a sliding fulcrum for the lever, means connected to the other end of the lever for imparting up and down and back and forth movements to the feed dog, and means for mounting said fulcrum for fixed adjustments longitudinally along the lever to vary the up and down movements of the feed dog.

1,984,594
CARD HOLDER
Roy N. Patch, Worcester, Mass., assignor to J. Nelson Manning Shoe Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application January 10, 1934, Serial No. 705,981
3 Claims. (Cl. 40—10)

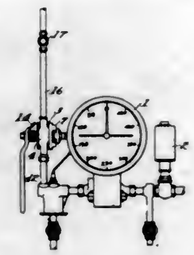


3. In a card retainer, the combination of a plate and a bent piece of wire, in which the plate constitutes the rear wall, and the wire constitutes the bottom, sides and front barrier, of a card receptacle; a portion of said wire being bent into approximately U-shape, with the parallel arms of the U set against and secured to the plate for the sides of the receptacle, and with the bridge of the U set against and secured to the plate for the bottom of the receptacle; the cross-sectional shape of the wire and the engagement of said bridge of U against the plate providing converging walls making a groove in which the lower edge of a card may be wedged and by which the card may be held; and there being a portion of said wire projecting from the U into the area between the U-arms, and standing in spaced parallelism to the said plate.

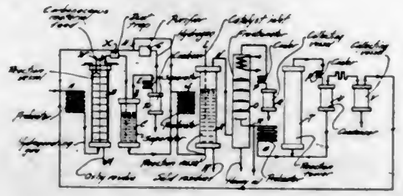
1,984,595
MIXING VALVE
Frederic D. Pfening and Henry Pfening, Jr., Columbus, Ohio, assignors to The Fred D. Pfening Company, Columbus, Ohio, a corporation of Ohio
Application April 6, 1932, Serial No. 603,591
3 Claims. (Cl. 137—78)

1. In liquid flow apparatus, in combination, a flow meter, a control valve arranged in the outlet

of said meter, a mixing valve communicating with the inlet side of said meter, spaced pipe lines entering said mixing valve to introduce therein liquid streams possessing different temperatures, check valves in said pipe lines limiting the direction of liquid flow therethrough to but a single direction, manually operated means provided in conjunction with said mixing valve for delivering a merged stream of liquid to said flow meter at a desired temperature, and yieldable means formed in conjunction with said mixing valve to compensate for back pressures in said mixing valve produced by the sudden closure of the control valve in the outlet side of the flow meter.

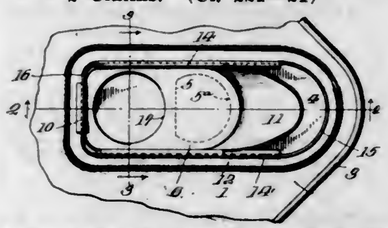


1,984,596
DESTRUCTIVE HYDROGENATION
Mathias Pier, Heidelberg, and Walter Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application July 1, 1932, Serial No. 620,428
In Germany June 25, 1931
9 Claims. (Cl. 196—53)



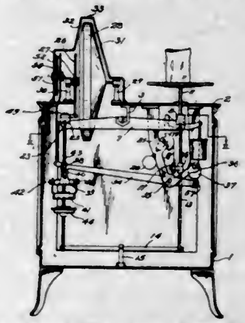
1. A process for the conversion of distillable solid or liquid carbonaceous material into lower boiling liquid hydrocarbon products which comprises destructively hydrogenating said material under a high partial pressure of hydrogen and at a temperature between 300 and 600° C., and for such a period of time such as to effect a substantial saturation of said material without a material conversion into hydrocarbons of the boiling point range of benzine and middle oil, separating from the resulting products any benzine and middle oil formed, subjecting the remainder to a further destructive hydrogenation at a temperature between 300 and 500° C. in the liquid phase in the presence of free hydrogen the ratio between which and the carbonaceous material is materially smaller than the ratio between these materials resulting from the first stage, for such a time as to effect splitting of said material to lower boiling hydrocarbons without coke formation and then destructively hydrogenating in the vapor phase at least part of the lower boiling products obtained in the second stage treatment.

1,984,597
COMBINED SPOUT AND CLOSURE FOR CONTAINERS
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 2, 1933, Serial No. 659,418
2 Claims. (Cl. 221—21)



1. A container having an end portion secured to the body thereof by double seaming, a closure for an opening in the end of the container, including a slide contacting with the outer face of the container end having an opening adapted to be moved into and out of register with the opening in the end, said slide having upstanding members at the sides and ends thereof, said upstanding member at the end adjacent the side of the container being shaped to form a spout, said upstanding members being continuous and serving to retain and direct the contents discharged from the opening through the spout, a retaining frame independent of the container end and rigidly attached to the outer face of said end and surrounding said slide and having upstanding members between which the slide moves, said upstanding members of the retaining frame having inturned flanges overlying the upstanding members on the slide and contacting therewith for holding said slide firmly in engagement with the end of the container.

1,984,598
WEIGHING SCALE
Orwell C. Reeves, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application November 15, 1928, Serial No. 319,570
4 Claims. (Cl. 265—62)



3. In a scale of the type described, in combination, a cabinet adapted to stand on the floor, said cabinet having a cover, means secured to said cover for supporting a mean lever, said lever having pivotally mounted thereon a load spider and load receiver and unit weight spider and receiver to act in opposition to said load receiver, a plurality of unit weights, a unit weight lever adapted to deposit said unit weights freely on said unit weight receiver, and means including a cam for operating said unit weight lever

and means operatively connected to said unit weight lever and said unit weight lever operating means to show the amount of load so offset.

1,984,599
EDUCATIONAL DEVICE

Josef Šafář, Znaim, Czechoslovakia

Application December 23, 1931, Serial No. 582,765
In Czechoslovakia December 23, 1930
1 Claim. (Cl. 35—16)

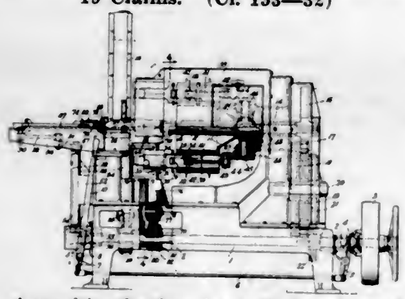


In an educational device for acquiring skill in typing on a keyboard from a copy, a rest for the copy, a distant indicator structurally combined with said rest and arranged in the line of vision of the operator looking at the copy on said rest, a number of electric lamps equalling the number of keys of said keyboard in said indicator, switching means co-ordinated to the keys in said keyboard and adapted to be operated by said keys and circuits connecting the individual switching means to the co-ordinated lamps in said indicator.

1,984,600
MACHINE FOR SHAPING METAL CAN BODIES

Matthew M. Sedwick, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application January 12, 1931, Serial No. 508,347
19 Claims. (Cl. 153—32)



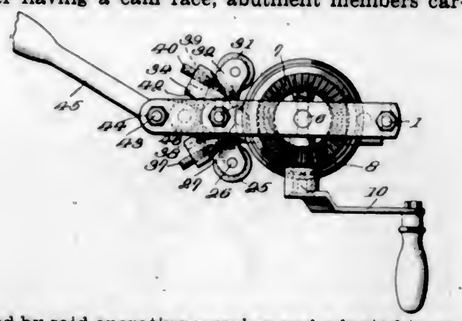
1. A machine for forming cylindrical can bodies comprising an expansible means adapted to enter a can body of flat cross-sectional shape, means for operating said expansible means for expanding the side walls of the can body into cylindrical form in the region between the side edge portions thereof, and reciprocating means for simultaneously bumping the side edge portions into the cylindrical form given said side walls.

1,984,601
HAND SEAMER FOR CANS

Matthew M. Sedwick, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application September 26, 1933, Serial No. 691,053
4 Claims. (Cl. 113—22)

1. A hand seamer including in combination, a frame, a chuck mounted in said frame for rotation about a vertical axis, a crank connected to said chuck for manually rotating the same, a rotatable can support associated with said chuck, a first operation seaming roll, an arm mounted for oscillation carrying said roll, a second operation seaming roll, an arm mounted for oscillation carrying said last-named roll, an operating member having a cam face, abutment members car-

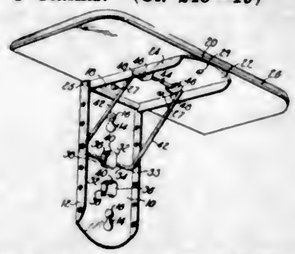


ried by said operating member and adapted to engage, respectively, said arms, springs for holding the arms in contact with the abutment members, a hand-operated lever and a roller carried thereby, said roller being adapted to engage the cam face of said cam-actuated member for forcibly operating the same for causing the seaming rolls to contact with the metal parts.

1,984,602
FOLDING BRACKET

Harry L. Snyder, Los Angeles, Calif.

Application July 11, 1931, Serial No. 550,213
3 Claims. (Cl. 248—19)



3. A folding bracket comprising a wall member having flanges located along its opposite side edges, a shelf member curved to form a work support and having downwardly extending flanges at opposite sides of the work support and hinged to the flanges of the wall member, a loop member having inwardly bent ends, clip means secured to the curved shelf member between the flanges thereof and cooperating with said flanges to secure and retain the ends of the loop member, and a resilient tongue on the wall member for frictionally engaging the loop member to prevent accidental pivotal movement of the shelf member in either direction from its adjusted position when the loop member is engaged by said resilient tongue.

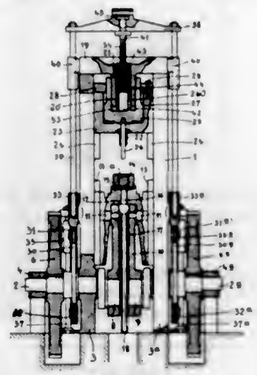
1,984,603
EXTRUSION PRESS

Fritz Singer and Alfred Liebergeld, Nuremberg, Germany, assignors to Tubus A. G., Zurich, Switzerland

Application April 14, 1934, Serial No. 720,597
In Germany February 15, 1932
16 Claims. (Cl. 207—3)

1. In an extrusion press, a vertical frame, male and female extruding tools slidably disposed in

the frame for reciprocation relative to each other, main driving means including a crank disposed in the frame for reciprocating one of said tools, subsidiary driving means operatively connected to the other of said tools and including



mechanical means associated with said main driving means, and hydraulic means providing hydraulic cushioning of said other tool during extrusion to relieve extrusion forces from said subsidiary means.

1,984,604
HOIST DRUM

Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Company, Tonawanda, N. Y., a corporation of New York

Application January 21, 1933, Serial No. 652,843
6 Claims. (Cl. 254—184)



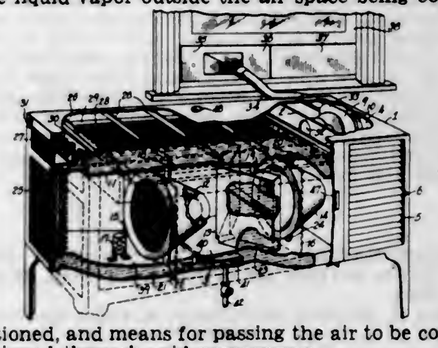
4. The combination with a shaft, of a plurality of drums rigidly mounted upon said shaft, each drum having a relative short push-over cam overhanging the periphery of the drum at the finishing end thereof, the push-over cams of the drums being so located on the shaft that their apices lie in the same plane, said plane being parallel to the axis of the shaft, whereby the drums may be synchronized so that the second layers of cable will be started on each drum at the same time.

1,984,605
AIR CONDITIONING DEVICE

John J. Strang and Emile P. Brus, Kansas City, Mo., assignors to Strang Air Conditioning Corporation, Kansas City, Mo., a corporation of Missouri

Application March 23, 1932, Serial No. 600,697
16 Claims. (Cl. 62—139)

16. An air conditioning device comprising in combination, a housing, an upper liquid tank, a lower liquid tank, said tank being adapted to form an air passageway with said housing, a plurality of hollow heat exchange members extending between said tanks and positioned in said passageway, the construction being such that liquid may flow between said tanks through said hollow members in heat exchange relation with air in said air passageway, means for evaporating liquid in said upper tank and discharging the liquid vapor outside the air space being con-

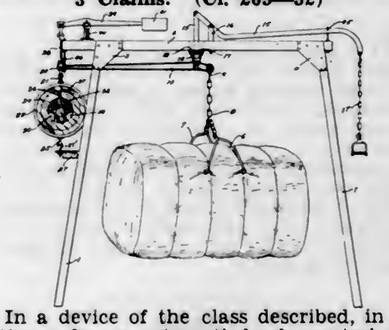


ditioned, and means for passing the air to be conditioned through said passageway.

1,984,606
WEIGHING SCALE

Edward G. Thomas, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application November 12, 1927, Serial No. 232,796
3 Claims. (Cl. 265—52)

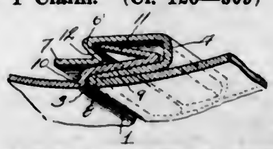


1. In a device of the class described, in combination, a frame, automatic load-counterbalancing mechanism, means for supporting and counterbalancing the weight of said automatic load-counterbalancing mechanism, a lever, means connecting said lever to said automatic load-counterbalancing mechanism, load-supporting means depending from said lever, manually operated means for moving said lever to swing said load into weighing position, and means for properly locating said lever with respect to said frame when it is in weighing position.

1,984,607
STOVE PIPE JOINT

Raymond F. Twickler, New Orleans, La.

Application September 15, 1933, Serial No. 689,649
1 Claim. (Cl. 126—309)



A pipe section comprising a metallic sheet, one margin of which is folded inwardly upon itself to form a folded edge and then refolded defining a channel member and terminating beyond the folded edge, a resilient flange integral with the inner edge of said channel and extending outwardly and angularly across a radial line

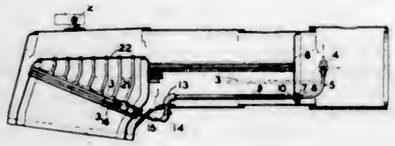
between the folded edge and the pipe center, said last named flange terminating in a longitudinally extending stiffening flange extending beyond said pipe edge portion, the other folded edge having an inwardly extending shoulder in abutting relation to said folded edge, said other pipe edge portion terminating beyond said shoulder in an angularly bent and longitudinally extending flange lying within the channel member and having a portion thereof in abutting relation to said first mentioned flange.

1,984,608

COMBINATION WATER CIRCULATOR AND FEED WATER HEATING UNIT FOR BOILERS

Earl H. Waldrop and George M. Petty, Shawnee, Okla.

Application February 3, 1933, Serial No. 655,078
7 Claims. (Cl. 122—414)



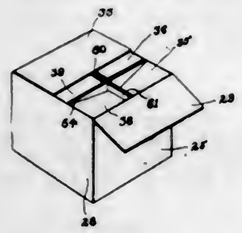
1. In a water circulator for boilers, a tubular member within the water compartment of a boiler, said member having a plurality of lateral perforations, a feed-water inlet pipe disposed axially within said member and extending through the perforated portion thereof in spaced relation to its walls, and a circulator element in the boiler's fire-box communicating between the lower and upper portions of said water compartment, the exhaust end of said member being smaller in circumference than said circulator element and projecting thereinto.

1,984,609

FOLDING BLANK BOX

Elliott R. Walker, Brooklyn, and Charles Roehm, Corning, N. Y., assignors to Corning Fibre Box Corporation, Corning, N. Y., a corporation of New York

Application January 31, 1933, Serial No. 654,484
9 Claims. (Cl. 229—15)



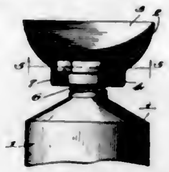
9. A blank box comprising a body having side walls, a partition therein defining in connection with the side walls a plurality of cells, the ends of the partition terminating substantially at the upper and lower edges of the side walls, and flaps integral with opposing side walls of the box at both the upper and lower edges, such flaps being spaced apart a distance substantially equal to the thickness of the partition and adapted to extend into said cells and to engage the said partition between them.

1,984,610

VACUUM CUP CAP FOR COLLAPSIBLE TUBES

Harlow Warren, Mansfield, Ohio

Application May 2, 1932, Serial No. 608,700
1 Claim. (Cl. 221—60)



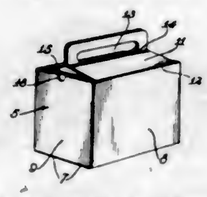
The combination of a collapsible tube having a threaded neck and a vacuum cup, of a metal cap having a threaded socket arranged to receive the threaded neck, said cap having a head and a body portion molded in the cup, with the body portion of the cap flush with the edge of the cup on the opposite side from the curved cup portion.

1,984,611

HANDLE CARTON

Josiah A. Weaver, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application January 23, 1933, Serial No. 653,036
1 Claim. (Cl. 229—52)



A carton of the character described formed from a blank of sheet material and cut and scored to provide two side walls, two end walls and a bottom, handle flaps on the upper edges of said side walls, said handle flaps being of a length substantially co-extensive with but no greater than the corresponding transverse dimension of the carton, said handle flaps being formed with elongated apertures transversely thereof, a closure flap on the upper end of one of said end walls, said closure flap being of a length and width equal to that of the open end of said carton, and a tuck-in flap on the end of said closure flap, said closure flap being adapted to underlie said handle flaps and completely close the top of the carton when the handle flaps are in handle-forming position and adapted to overlie said handle flaps to complete said carton, said tuck-in flap being of sufficient width so that, in the latter position of the handle flaps, the tuck-in flap will frictionally fit within the carton and maintain the handle flaps flat beneath the closure flap.

1,984,612

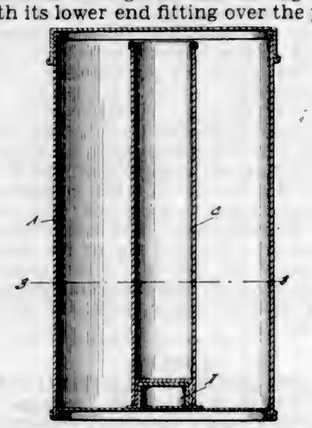
FREEZER

Miles Raymond Westover and Frank Campbell, Alton, Ill.; said Campbell assignor to I. H. Streeper 3d, Alton, Ill.

Application July 18, 1932, Serial No. 623,232
1 Claim. (Cl. 62—83)

In a freezer for ice cream or the like, a container for receiving the material to be frozen, a hollow projection connected with the central portion of the upper face of the bottom of the container and a tubular member of the same cross

sectional area throughout and having both ends open with its lower end fitting over the projection



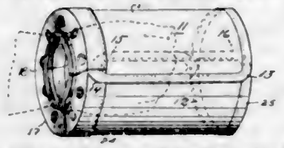
and its upper end spaced slightly below the upper end of the container.

1,984,613

HAND GUARD

Berniece Moller, Piedmont, Calif.

Application June 5, 1933, Serial No. 674,270
5 Claims. (Cl. 128—133)



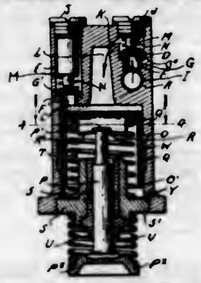
1. A hand guard comprising a cylindrical body composed of a plurality of transversely arcuate sections having overlapping side edges and a yieldable cover for one end of said body formed with a hand opening and being attached to ends of said sections and mounting the sections for limited tilting movement relative to each other.

1,984,614

FUEL PUMP FOR GASOLINE ENGINES

George R. Welch, Detroit, Mich.

Application July 10, 1933, Serial No. 679,657
1 Claim. (Cl. 103—153)



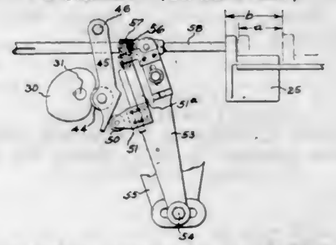
In a fuel pump having a cylinder and a piston adapted to reciprocate therein with a stroke that varies automatically with the demand, an inlet passage leading to said cylinder, a check valve therein, means for preventing leakage past the piston comprising a groove in the cylinder walls covered at all times by the piston, a passage leading from said groove to the interior of said cylinder, a second check valve in said passage, a restricted return bypass formed around said first check valve leading from the cylinder back into said inlet passage.

1,984,615

BUILDER MECHANISM FOR SPINNING AND TWISTING MACHINES

George West, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application July 20, 1933, Serial No. 681,255
3 Claims. (Cl. 242—43.7)



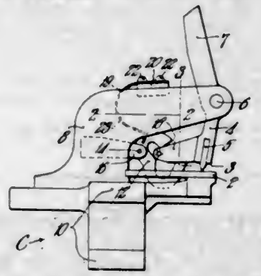
1. In a builder mechanism, a shaft, means to move said shaft angularly, a pinion on said shaft, a lever pivoted to swing alongside said shaft, a positively moved member mounted adjacent said lever, a roll engaging said member, a supporting bar for said roll mounted to slide on said lever, and a rack bar pivoted on said supporting bar and engaging said pinion, said rack bar being angularly self-adjusting on said bar and lever about an axis parallel to the axis of said lever as the lever is swung by said cam, thereby preserving the alignment of the teeth of said rack bar and pinion.

1,984,616

TENTER CLIP

John H. Williams, Providence, R. I.

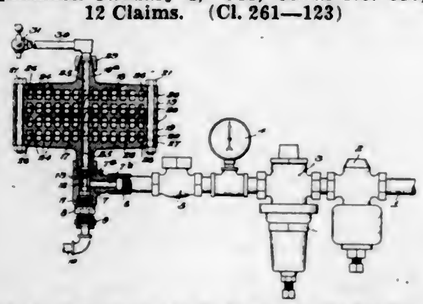
Application January 11, 1933, Serial No. 651,190
2 Claims. (Cl. 26—62)



1. A tenter machine comprising in combination, a plurality of tenter clips hinged together forming an endless chain, sprockets therefor, each clip including a body and a substantially horizontally disposed web-engaging plate portion and spaced arms integral with the body so as to be held against movement relative to said plate portion and extending upwardly and forwardly from the rear of said plate, a gate pivoted between said arms at the upper ends thereof for swinging movements relative to said plate and having a lower web-engaging portion and a fork extending rearwardly therefrom over said plate, a bar extending between said arms, a lock of resilient strip material having its upper end portion secured to said bar and a portion curved downwardly therefrom between said arms provided with an end portion in the path of movement of the fork and adapted as the gate is swung rearwardly from a forward web-engaging position to a rearward open position to be engaged and flexed downwardly by the fork so as to yieldingly bear upwardly on said fork and releasably lock the gate in open position, an up-

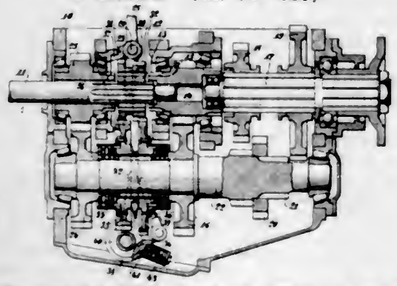
wardly extending lever provided on each of said gates, a stationary cam adapted to engage said levers to swing the gates towards an open web-engaging position and release said forks from the locks, and a stationary stop member against which said levers abut when said forks are released whereby the forward swinging movement of said gates is checked, the said cam and stop member being disposed in spaced relation so the levers may pass therebetween.

1,984,617
LIQUID CARBONATOR
Stephen L. Williams, Bridgeport, Ohio
Application January 4, 1933, Serial No. 650,102
12 Claims. (Cl. 261—123)



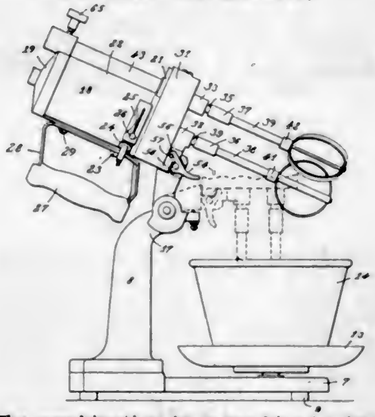
11. A carbonator including a body having an inlet and an outlet, a pair of disk-like members in the body having groove-like passages on their confronting faces, the passages being divided into connected segments and extending back and forth circumferentially of each segment and thence radially into the next segment whereby to cause the mixture to travel throughout the entire area of the members, means between the confronting faces of the members and forming parts of the passages, means whereby to connect the passages so that the mixture will flow from the passages of one member to the passages of the other, and means to conduct the passages of one member to the inlet and to connect the passages of the other member to the outlet.

1,984,618
CLUTCH SYNCHRONIZING DEVICE
Gottfried Wirrer, Plainfield, and Azor D. Robbins, Highland Park, N. J., assignors to International Motor Company, New York, N. Y., a corporation of Delaware
Application March 23, 1933, Serial No. 662,283
4 Claims. (Cl. 74—339)



4. In combination with a driving shaft, a countershaft parallel to the driving shaft, two sets of constant mesh gears, one gear of each set mounted coaxial with the driving shaft and one gear of each set secured to the countershaft, and a clutch slidable between the gears of the sets coaxial with the driving shaft, axially spaced gear teeth on the clutch, gears rotatably mounted on the countershaft and engaging the teeth of the clutch, the ratios of the last named gears and corresponding gear teeth on the clutch being substantially that of the adjacent constant mesh gear set, clutches between the last named gears and the adjacent gears of the first sets on the countershaft, a yoke to move either of the last named gears into engagement with its respective clutch to drive the said last named gears by the respective constant mesh gear sets, actuating means for the first clutch, and means operated by the last named actuating means for moving the yoke to engage the one of the last named gears adjacent the gear set, into engagement with which the first clutch is moved, with the clutch and said gear set.

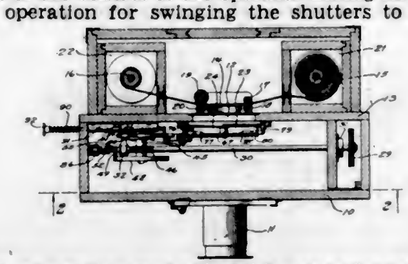
1,984,619
MIXING AND JUICE EXTRACTING MACHINE
Horace C. Wright, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1933, Serial No. 669,874
8 Claims. (Cl. 259—104)



1. The combination in a combined mixer and juicer of a motor, a stand having a bowl supporting portion, a vertically disposed pedestal arranged to support the motor, and hinge means intermediate the ends of the pedestal for tilting the motor, an attaching element on the upper end of the pedestal, and attaching elements on the motor at the top and bottom thereof, said attaching elements being complementary to said attaching element on the pedestal and selectively cooperable with said attaching element without reversing the position of the motor to support the motor in an elevated position spaced from the bowl-supprting portion for one type of operation and a lower position in close proximity thereto for a different type of operation.

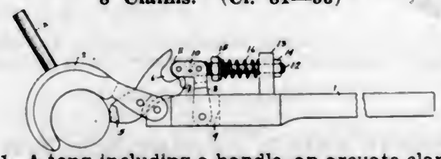
1,984,620
MULTIVIEW CAMERA SHUTTER
James W. Anderson, Los Angeles, Calif., assignor to Anderson Manufacturing Company, Hollywood, Calif., a corporation of California
Application June 17, 1931, Serial No. 545,048
5 Claims. (Cl. 88—19.3)

1. A shutter for cameras comprising a pair of flaps hinged along opposite edges and adapted to be positioned across a camera exposure opening in a closed position normally, means for simultaneously swinging said shutters to their opened position, and releasing the shutters at their opened position to permit them to swing to a closed position, positively operated driving means out of the control of the operator during its cycle of operation for swinging the shutters to their



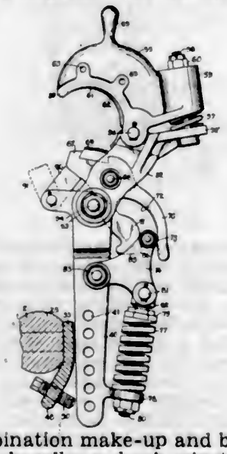
opened position, and adjustable means for varying the interval of time required to swing the shutters to their opened position.

1,984,621
MAKE-UP TONG
Whitney C. Babin, Beaumont, Tex., assignor, by direct and mesne assignments, to Beaumont Texan Tool Company, Beaumont, Tex., a corporation of Texas
Application May 20, 1929, Serial No. 364,635
8 Claims. (Cl. 81—53)



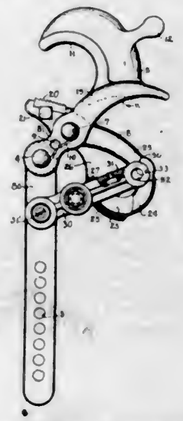
1. A tong including a handle, an arcuate clamp pivoted to one end thereof, a jaw pivoted to the clamp, and having a bearing face, a lever pivoted to the handle and having a bearing, which rides on said face, and spring means on said handle holding said bearing yieldingly in contact with said face, but adapted to yield to release said bearing face when a predetermined torque is exerted on said handle.

1,984,622
COMBINATION MAKE-UP AND BREAK-OUT TONG
Whitney C. Babin, Beaumont, Tex., assignor to Beaumont Texan Tool Company, Beaumont, Tex., a corporation
Application April 25, 1930, Serial No. 447,118
Renewed October 29, 1934
4 Claims. (Cl. 81—91)



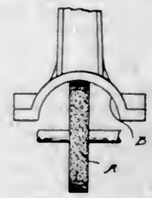
2. A combination make-up and break-out tong including a handle, a hook pivoted thereto, a head and jaw both pivoted to said hook at different distances from the hook pivot, a releasable connection between said jaw and handle, and spring pressed means to release said jaw connection when a predetermined torque is exerted thereon.

1,984,623
AUTOMATIC TONG
Whitney C. Babin and Raymond A. Ames, Beaumont, Tex., assignors to Beaumont Texan Tool Company, Beaumont, Tex., a corporation
Refiled for abandoned application Serial No. 470,449, July 24, 1930. This application October 29, 1934, Serial No. 750,567
3 Claims. (Cl. 81—53)



1. A pipe tong of the automatically releasable type composed of parts including two jaws, a handle and a clasp, said parts being connected in the form of a four-bar linkage, one of said connections being adjustable automatically as a function of the size of the pipe engaged.

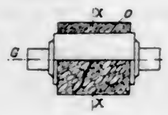
1,984,624
METHOD OF FORMING CONNECTING RODS
William H. Bagley, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application June 15, 1931, Serial No. 544,671
2 Claims. (Cl. 91—70.2)



1. The method of tinning surfaces of metallic members which have been previously heat treated to improve their physical characteristics comprising brushing said surfaces with a brush of sufficient coarseness to remove the oxide and abrade the surface, immediately plunging the brushed surfaces into a bath of molten tin, further brushing the surfaces while bathed with tin but only for a time interval too short to be detrimental to the physical properties obtained by the heat treatment, and removing the article from the bath.

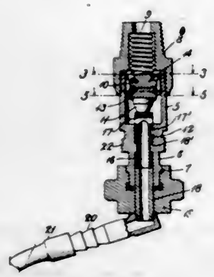
LOGIE LIBRARY

1,984,625
PROCESS FOR THE PRODUCTION OF FACINGS OF PRESSED CORK FOR ROLLERS, DRUMS, PULLEYS AND THE LIKE
Gustav Baldauf, Munich, Germany
Application April 16, 1932, Serial No. 605,715
In Germany November 17, 1931
8 Claims. (Cl. 19—143)



1. The process of producing cork facings for rollers and the like which comprises compressing cork particles into a block with the pressure applied all in one definite direction, thereupon cutting slices from said block in a direction oblique to that of the applied pressure, and forming said slices into the facings.

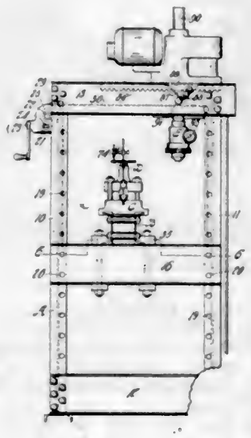
1,984,626
OIL SAMPLING VALVE
George J. Belknap, Bridgeport, Conn., assignor to The Belknap Manufacturing Co., Bridgeport, Conn., a corporation of Connecticut
Application November 11, 1932, Serial No. 642,281
2 Claims. (Cl. 284—18)



1. A self closing valve for transformers, comprising a body portion having a central passageway, a tube slidably mounted within the central passageway, a valve member mounted within the passageway and adapted to control the passage of liquid through the body portion, said valve member comprising an upper section and a lower section, yieldable means for removably securing the sections of the valve together, said upper section having notches to permit liquid to pass through the valve, said tube adapted to engage the valve to unseat the valve, and a spring bearing against the valve to normally seat the valve.

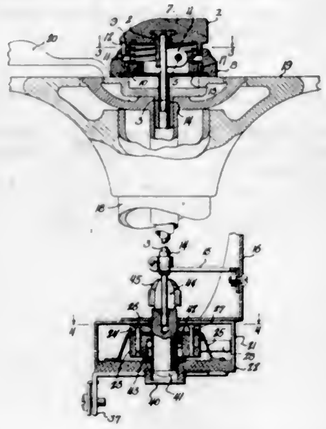
1,984,627
MACHINE FOR DETECTING AND CORRECTING ERRORS IN ARTICLES
John Y. Blazek, Maple Heights, and Russell G. Anderson, Cleveland, Ohio, assignors to Lempco Products, Inc., Bedford, Ohio
Application April 3, 1933, Serial No. 664,152
24 Claims. (Cl. 153—32)

1. A frame, a table supported on said frame, article locating adapters on said table, a press device for correcting errors in an article supported on said frame, and a testing device for detecting



errors in the article supported partly on said adapters and partly on the article which is to be tested.

1,984,628
SIGNAL SWITCH CONSTRUCTION FOR AUTOMOTIVE VEHICLES
Bornett L. Bobroff, Racine, Wis.
Application May 12, 1930, Serial No. 451,561
2 Claims. (Cl. 74—484)



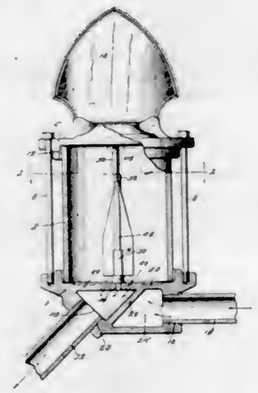
1. The combination of an automotive vehicle steering column, a tube extending through said column and rigidly supported adjacent the lower end thereof, a rod extending through and contacting with said tube, a plate rigid with the upper end of said tube, a casing carried by said plate, a button secured to said rod and slidably telescoping with said casing, and a spring for moving said button outwardly with reference to said casing, whereby said rod may be rotated or depressed by said button and whereby said casing is held in place by the rigid securing of said tube.

1,984,629
DISPENSING DEVICE
William James Cameron, Los Angeles, Calif.
Application June 16, 1933, Serial No. 676,089
1 Claim. (Cl. 221—78)



In a tooth brush set, the combination of a magazine section and a shell section screwing together at contiguous ends, the shell section constituting a container for a bodily insertible tooth brush, and said magazine section having a permanently closed end and having a removable closure screwed onto the end which screws into the shell, a piston rod extending through the closure and having a piston on its inner end; said rod having a finger knob on its outer end and said closure having a discharge port whereby, when the rod is pulled by effort on the knob, contents of the magazine may be expressed through the said port; the knob being removable from the rod and the closure being removable from the magazine to permit filling of the latter while the piston is in remote position in the magazine.

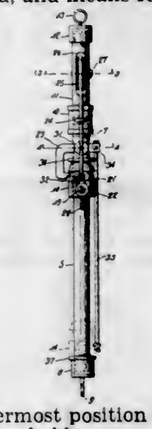
1,984,630
VISIBLE FLOW INDICATOR
Carl E. Carlson, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Fort Wayne, Ind., a corporation of Indiana
Application February 18, 1931, Serial No. 516,679
35 Claims. (Cl. 116—117)



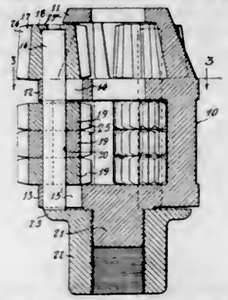
1. In a liquid flow indicator, the combination of a sight bowl having a cylindrical wall and means for introducing a liquid into said bowl in a manner so as to cause the liquid to flow substantially circumferentially and in contact with said wall whereby to keep said sight glass substantially clean.

1,984,631
GARMENT BAGGING APPARATUS
Frank C. Coss, Martins Ferry, Ohio
Application January 17, 1934, Serial No. 707,031
4 Claims. (Cl. 226—18)

1. A garment bagging apparatus of the type described comprising a suspended standard, a carrier slidably and rotatably mounted upon the standard, means for moving the carrier upwardly on the standard, and means for holding the carrier in its uppermost position and for permitting rotation while so held.



1,984,632
CLEANER HEAD
A Byrl Cox, Los Angeles, Calif.
Application May 26, 1933, Serial No. 672,913
1 Claim. (Cl. 15—104.13)



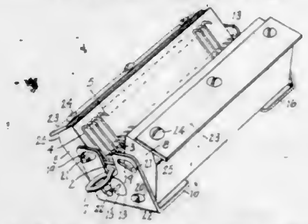
A rotatable cleaner head including a body member having three spaced radially extending flanges, the foremost of said flanges being of smaller diameter than the diameter of the other of said flanges, the middle one of said flanges having a plurality of radially extending slots, the rearmost of said flanges having a like number of radially extending slots arranged in substantial alignment with the slots of the middle flange to form a plurality of sets of substantially aligned slots, a pin means for each set of said slots, a cutter means rotatably mounted upon the forward end of each of said pins and retained in operative position by the foremost of said flanges, each of said cutters having means for limiting the forward motion of its respective pin means, other cutter means rotatably mounted upon each of said pins between the middle and rear flanges, and a coupling means mounted upon the body and having means for limiting the rearward motion of said pins.

1,984,633
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application March 15, 1934, Serial No. 715,773
7 Claims. (Cl. 196—4)

7. A process for breaking petroleum emulsions of the water-in-oil type, which consists in sub-

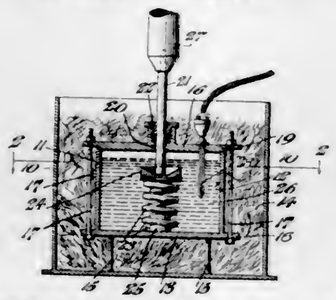
jecting the emulsion to the action of a demulsifying agent composed of 45 parts, by weight, of water-miscible and oil-soluble petroleum sulfonate sodium salts, 45 parts, by weight, of drastically oxidized castor oil, and 10 parts, by weight, of kerosene.

1,984,634
DEVICE FOR APPLYING BELT FASTENERS AND THE LIKE
James K. Diamond, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich.
Application September 18, 1933, Serial No. 689,863
5 Claims. (Cl. 1—49.4)



1. In a structure of the class described, the combination of a fastener holder having a plurality of transverse fastener receiving slots and a longitudinal bore adapted to receive a fastener locking pin, opposed jaws having longitudinal recesses in their inner sides receiving the opposite sides of said holder, said holder having curved bearing surface at the top and bottom edges thereof in bearing engagement with the top and bottom respectively of said recesses, end plates secured to the ends of said holder and having vertically spaced cammed slots, and pins on the ends of said jaws coacting with said slots.

1,984,635
DYNAMOMETER
Arthur S. Dysart, Elizabeth, N. J., Charles E. Fraser, Rockville Center, and John Lind, Brooklyn, N. Y., assignors to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 31, 1933, Serial No. 654,388
3 Claims. (Cl. 265—24)

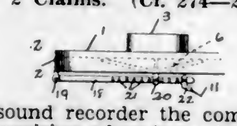


1. A dynamometer consisting of a receptacle having an opening for the passage of a reciprocable member, a heat conducting substance in said receptacle, an elastic member contacting with said substance and arranged to be distorted by the reciprocation of said reciprocable member, and means for measuring the variation of temperature of said substance caused by the distortion of said elastic member whereby the power applied to said reciprocable member can be determined.

1,984,636
MACHINABLE STAINLESS CASTING
Frank A. Fahrenwald, Chicago, Ill.
No Drawing. Application June 26, 1933, Serial No. 677,761
1 Claim. (Cl. 75—1)

A machinable stainless alloy casting consisting of iron, with chromium about 35%, nickel from ½ of 1% to 15%, and carbon around 2%.

1,984,637
DIAPHRAGM DEVICE
Earl H. Foley, Seattle, and Guy B. Sampair, Tacoma, Wash., assignors, by direct and mesne assignments, to Filmtone Corporation, a corporation of Delaware
Application April 29, 1925, Serial No. 26,797
Renewed May 12, 1934
2 Claims. (Cl. 274—25)



2. In a sound recorder the combination of a support comprising a housing, a large diaphragm mounted in said housing, a stylus carrying member hingedly mounted on said support, means connected to one point of said member for communicating movements of said diaphragm to said member, said means having a plurality of points of contact with said diaphragm, a cutting stylus secured to said member at a point closer to the pivotal support of said member than the said one point and said member having means located at a point differently spaced from said pivotal support for securing a stylus thereto.

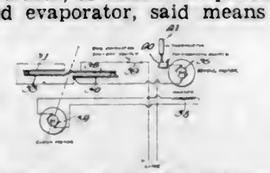
1,984,638
BURIAL VAULT
Charles E. Glass, Fort Dodge, Iowa
Application February 19, 1934, Serial No. 711,956
1 Claim. (Cl. 27—35)



In a burial vault construction, a vault base, a vault cover therefor and a pair of runners on said vault base extending longitudinally throughout the length thereof and having upcurved ends and surface supporting portions intermediate said ends positioned at an elevation lower than the edges of said vault base to engage a grave floor or other surface on which the vault rests, said runners also having supporting flanges throughout their length extending from said surface engaging portions upwardly to the bottom of said base and adapted, through thrust, to rigidly support said bottom relative to said surface engaging portions.

1,984,639
REFRIGERATOR CONTROL
James E. Grant and Reuben B. Davison, Chicago, Ill.
Application February 13, 1933, Serial No. 656,459
1 Claim. (Cl. 62—4)

The combination with a refrigerating device having an electric motor, an electric heater for oil, an evporator and a thermostatically controlled switch for normally maintaining a temperature within the box at which frost will form on the evaporator, of means for periodically defrosting said evaporator, said means including



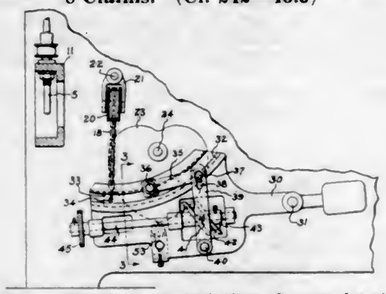
clock mechanism, contacts for the power supply to said motor through said thermostat, and means for setting said clock mechanism to break said contacts at predetermined times, all without interrupting the supply of current to said oil heater.

1,984,640
COLLAR-BUTTON
Otto Grotewold, Frankfort-on-the-Main, Germany
Application November 3, 1933, Serial No. 696,556
In Germany November 6, 1932
2 Claims. (Cl. 24—61)



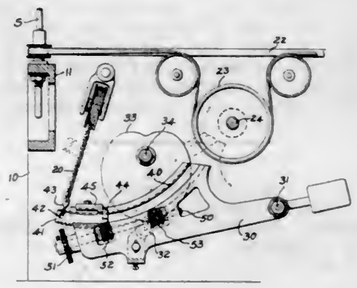
1. An integral collar button comprising a button plate, a bifurcated member extending perpendicularly from the central portion of said plate having a downward, acutely bent portion in which the bifurcations of said member converge, and an obliquely, upward extending, straight end portion in connection with the downwardly bent converging portion, forming a relatively resilient end in alignment with the plane of the perpendicularly extending portion of the member.

1,984,641
BUILDER MECHANISM
Robert Hargreaves, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application November 13, 1933, Serial No. 697,714
8 Claims. (Cl. 242—43.3)



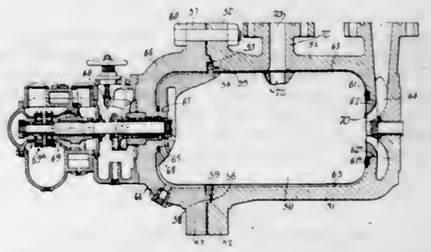
1. In a spinning or twisting frame having a vertically reciprocated rail, a builder mechanism comprising a builder lever, a connection from said builder lever to said rail, a guiding member for said connection mounted to swing on a pivotal axis, a segment block to which said connection is attached, segmental guideways on said lever for said segment block, a cam to oscillate said block in said guideways, and means to move said cam, movement of said cam in one direction effecting successive movements of said segment block in opposite directions.

1,984,642
BUILDER MOTION FOR SPINNING FRAMES
Fred K. Hendrickson, Worcester, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 31, 1932, Serial No. 614,361
4 Claims. (Cl. 242—43.3)



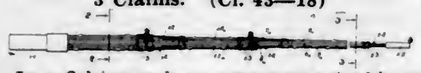
1. In a builder motion for a ring spinning frame, a builder lever having guideways thereon, a member slidable in said guideways and connected to traverse the ring rail, means to engage and move said member relative to said lever, and additional means to engage and further move said member after a predetermined initial movement thereof by said first means.

1,984,643
DOUBLE CASING PUMP
Aladar Hollander, Berkeley, Calif., assignor to Byron Jackson Co., Berkeley, Calif., a corporation of Delaware
Application June 6, 1933, Serial No. 674,484
2 Claims. (Cl. 103—108)



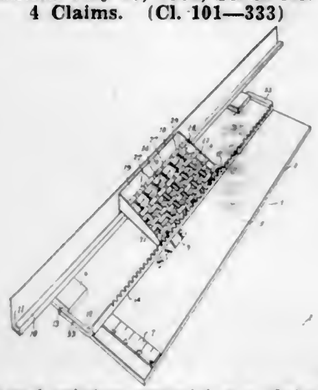
1. In a centrifugal pump, an outer casing open at one end and having a fluid inlet at the other end, an inner cylindrical casing of substantially uniform external diameter mounted therein in circumferentially spaced relation thereto, a removable cup-shaped cover for the open end of said outer casing, said inner casing having a fluid inlet passage communicating with the outer casing fluid inlet and a discharge passage communicating with the space between said casings, said outer casing having a discharge nozzle communicating with said space, impeller means operatively mounted within said inner casing, said inner casing having a means formed intermediate the ends of the uniform cylindrical portion arranged to be bolted to the outer casing adjacent the outer end thereof, resilient packing means between said casings adjacent said fluid inlet, and resilient sealing means between said inner casing and the removable cover.

1,984,644
FISHING POLE
Eric M. Holm, Los Angeles, Calif.
Application June 13, 1934, Serial No. 730,443
3 Claims. (Cl. 43—18)



1. In a fishing rod, an arrangement of bamboo leaves in the form of a laminated spring construction, one leaf short of another, the ends of the leaves being tapered on the flat side to bring adjoining leaves into an evenly tapered form, and the several leaves being secured together.

1,984,645
HAND PRINTER
Rush Jordan, Dillon, Mont.
Application July 10, 1933, Serial No. 679,683
4 Claims. (Cl. 101—333)



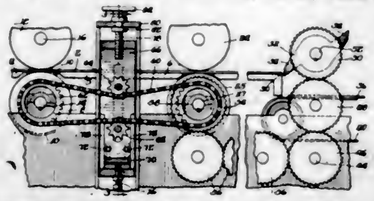
1. A hand printer comprising a platen, a track mounted on said platen in parallel relation to the desired printing line, a type font removably and slidably mounted on said track and consisting of a tray, a tongue attached to said tray for engagement with said track, cleats provided in the bottom of said tray, printing members having exposed indicating characters, providing a key board, arms pivotally connecting said members and said cleats and arranged to direct said members in a circular path from said tray to the printing line, guided by said track.

1,984,646
GERMICIDAL PREPARATION
Emil Klarmann, Jersey City, N. J., assignor to Lehn & Fink, Inc., Bloomfield, N. J., a corporation of Delaware
No Drawing. Application December 13, 1932, Serial No. 646,963
17 Claims. (Cl. 167—31)

1. A germicidal preparation comprising a cyclohexyl phenol, a substituted phenolic body of the class consisting of alkylated and halogenated phenols and having germicidal properties, an aqueous vehicle and a dispersing agent.

1,984,647
APPARATUS FOR MAKING ROOFING
Arthur G. Leonard, Jr., Wilmington, Ill., assignor to Orenda Corporation, Chicago, Ill., a corporation of Illinois
Application April 7, 1933, Serial No. 664,882
12 Claims. (Cl. 164—68)

4. Apparatus for the manufacture of roofing including: a slotting roll, a transverse severing blade, means for driving said slotting roll and severing blade in synchronism, and means for rotating one with respect to the other during operation in order to secure accurate registry of the transverse cuts with the slots; said means



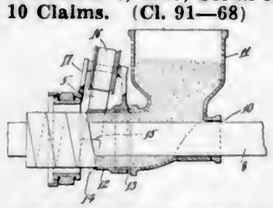
for driving including a pair of sprockets and a chain, and said means for adjusting including means for indenting one of the runs of said chain at will and for letting out and taking up the slack in the other run to compensate for said indentation.

1,984,648
EARTH MOVER
Harry R. Lytle, Sacramento, Calif., assignor to Knapp Manufacturing Corporation, Oakland, Calif., a corporation of California
Application January 9, 1933, Serial No. 650,778
8 Claims. (Cl. 37—140)



1. An earth mover comprising a draft frame, a scoop mounted for rotation on said frame, a plurality of stops on said scoop spaced at different distances from the center thereof, and a member on said frame movable with a radial component selectively to engage said stops.

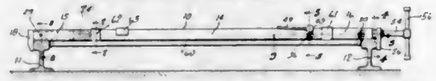
1,984,649
PROTECTIVE COATING AND OBJECTS COATED THEREWITH
Charles S. McDonald and Joseph F. Putnam, Berkeley, and Roy M. McHale, Oakland, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 7, 1929, Serial No. 412,354
10 Claims. (Cl. 91—68)



1. A pipe or container for underground service having a bonded external coating of bituminous mastic of such thickness as to protect the pipe or container from corrosion, said coating resisting mechanical abrasion, soil pressure and/or temperature fluctuations consisting of a tape bearing a moulded body thereon, said moulded body consisting of a bituminous mastic consisting essentially of 10 to 25 per cent by weight of asphalt, 90 to 75 per cent by weight of a graded mineral aggregate, and not more than about 5 per cent

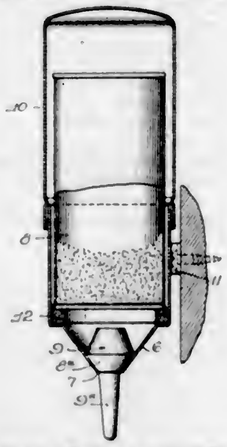
of a finely divided additive agent, said molded mastic body being adapted to substantially maintain its form at temperatures up to about 170° F. and to become plastic without becoming fluid at temperatures of between 250° F. and 450° F.

1,984,650
TRACK GAUGING DEVICE
John H. McFadden, Lincoln, Nebr.
Application January 29, 1934, Serial No. 708,752
7 Claims. (Cl. 254—43)



2. A track gauge comprising a tubular member having a fixed rail clamp near one end and a movable rail clamp near the opposite end, means carried by said tubular member and engaging said movable clamp for controlling the operation of the clamp, and means on said tubular member for rendering said control means inoperative.

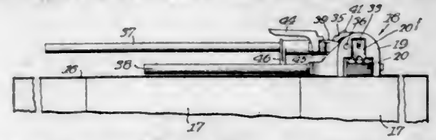
1,984,651
DISPENSING DEVICE
Hugo Meves, Chicago, Ill.
Application April 23, 1934, Serial No. 721,913
3 Claims. (Cl. 221—62)



1. A dispensing device comprising a container casing having a cone-shaped development on the bottom thereof, the end of which cone is truncated to provide a discharge port, said casing being formed to receive and support a perforated vibratory element on the bottom thereof above said conical development, and a combined valve and percussion element provided with a stem extending through the discharge port in said conical development, the bottom of said percussion element being formed to fit the development above said port, said valve and percussion element being vertically extended to limit its vertical reciprocation but being wholly unrestricted except by the walls of said development from lateral movement.

1,984,652
SEALING DEVICE
John Ekern Ott, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application January 23, 1932, Serial No. 588,319
17 Claims. (Cl. 81—9.1)

1. A sealing device comprising a frame, a pair of relatively movable members carried by said frame for engaging a strap seal and deforming portions thereof, means for effecting relative movement of said parts and holding said mem-



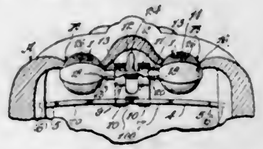
bers in the relative positions to which they are advanced, and further means for preventing reverse operation of said first-named means until the deformation of the seal is completed.

1,984,653
INSULATING MEANS
Donald R. Palmer, Little Neck, N. Y., and Frank M. Sayford, Montclair, N. J., assignors to Frank M. Sayford Co., Inc., a corporation of Pennsylvania
Application October 14, 1933, Serial No. 693,690
7 Claims. (Cl. 154—45)



1. Insulating means composed of sheet material in the form of a block or slab, a plurality of the sheets of which are deformed to constitute protuberances extending in opposite directions with respect to the normal plane of said sheets, said protuberances having recessed outer surfaces forming marginal rims around said protuberances, for reducing the area of contact with adjacent sheets.

1,984,654
EYE SET FOR DOLLS
Nicholas Popovich, Teaneck, N. J., assignor of one-third to Joseph A. Taferner and one-third to Leo J. Schlitzer, both of New York, N. Y.
Application August 3, 1933, Serial No. 683,463
5 Claims. (Cl. 46—40)



5. An eye member for dolls comprising a substantially spherical eyeball and a clip in the form of a split ring embracing said eyeball and having lateral extensions at its ends, said extensions being channel shaped and disposed one within the other with their channels facing each other to form a socket between them to receive a member for mounting the eye member in a doll head and said extensions interlocking with each other to connect the ends of said clip together.

1,984,655
STEPLADDER
Martin Rassmussen, Los Angeles, Calif.
Application December 13, 1933, Serial No. 702,193
2 Claims. (Cl. 228—25)

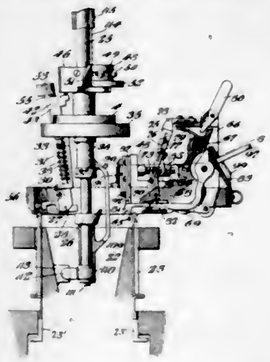
1. A ladder comprising a main section and a relatively adjustable section, each having a pair of rails with treads at spaced intervals thereon,

the rails of the two sections being correspondingly spaced apart, attaching members secured to and extended rearwardly of the rails of said main section for hingedly and slidably receiving the rails of the adjustable section, said attaching members having portions adapted to extend around the rails of the adjustable section, a rod for cross connecting the rails of the two sections



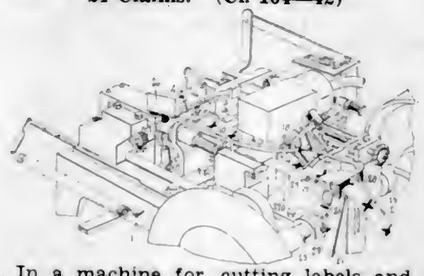
and insertible through said attaching members, the rails of the adjustable section being provided with correspondingly positioned orifices for receiving said rod, whereby the adjustable section may be hingedly connected with the main section at any one of a plurality of points intermediate the ends of the adjustable section, for providing a self supporting ladder structure.

1,984,656
CIRCULAR KNITTING MACHINE
Frank Wells Robinson, Reading, Pa., assignor to Schuylkill Hosiery Mills, Inc., Reading, Pa.
Application June 4, 1927, Serial No. 196,418
9 Claims. (Cl. 66—135)



3. In a knitting machine, a needle cylinder, a striping yarn guide comprising a yarn feed element in the form of a lever normally within the needle circle above the needle tops, said feed element being pivotally supported for up and down movement, means to move the feed element radially outward of the needle circle and then swing it downward to bring its feed end below the level of the needle hooks, and means operative thereafter to move the feed element circumferentially of the needle cylinder for placement of the striping yarn under the hooks of predetermined needles.

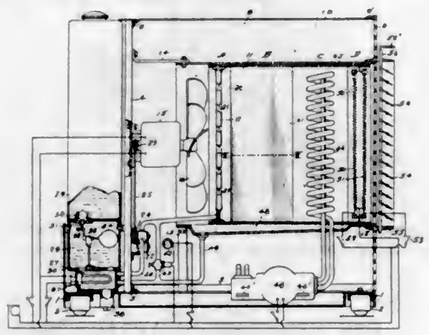
1,984,657
APPARATUS FOR CUTTING AND FOLDING LABELS
Arthur Rosenthal, Grand Rapids, Mich., assignor to The Rose Patch & Label Company, Grand Rapids, Mich.
Application December 16, 1932, Serial No. 647,534
24 Claims. (Cl. 164—42)



1. In a machine for cutting labels and the like having a frame, means for delivering a label strip, a cutter, and automatically controlled feeding jaws adapted to grip the label strip and advance it to the cutter when the cutter is in open position and on cutting the label strip by the cutter to be opened and moved to their initial position to feed a new label length, the combination of means for controlling the balancing and feeding of the labels comprising holding means adapted to hold said label strip, a solenoid adapted to operate said holding means, a source of electrical energy in series circuit relationship with said solenoid, an adjustably mounted photo-electric cell positioned on one side of said label strip and adapted to control the flow of electrical energy to said solenoid, a hood extending from said photo-electric cell to a point adjacent said label strip having an opening therein adapted to expose a portion of said label strip to said photo-electric cell, a switch actuated by said cutter and in series circuit relationship with said solenoid and said source of electrical energy adapted to be opened when said cutter is open and said label strip is being fed to said cutter and to be closed when said cutter has operated and said feeding jaws are being moved to their initial position, a light positioned on the side of said label strip opposite said photo-electric cell and adapted to illuminate said photo-electric cell through said opening in said hood, gripper means adapted to yieldingly grip said label strip and having a cam adapted when said strip is freed from said feeding jaws and said cutter and when said switch is closed to cause said gripper means to withdraw said label strip from said cutter between said opening in said hood and said light for a distance shorter than the distance of the feeding of the strip and at a rate relatively slower than the rate of feeding of said strip, whereby said label strip isdrawn slowly between said photo-electric cell and said light, whereby the passage of contrasting portions of said strip affects said cell to energize said solenoid to operate said holding means to hold said label strip in position for further feeding.

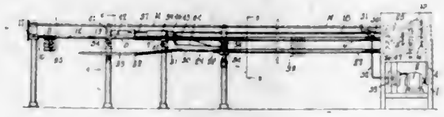
1,984,658
AIR CONDITIONING MACHINE
Alfred E. Rourke, San Francisco, Calif., assignor of one-half to Walter G. Abbott, San Francisco, Calif.
Application December 24, 1932, Serial No. 648,810
6 Claims. (Cl. 257—9)

1. An air conditioner including an enclosing casing open at its front and closed at the rear; a tunnel mounted in said casing and spaced from the rear thereof; a blower mounted in the



rear end of said tunnel; a humidifier; a baffle; and air tempering means in said tunnel in front of said blower.

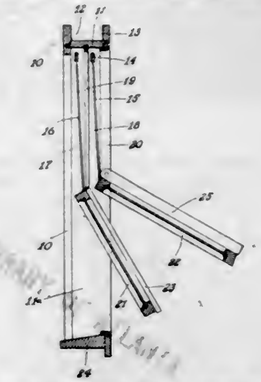
1,984,659
CONVEYING AND GROUPING MACHINES
Stanley C. Simmons, Oaklawn, Ill., and Harry M. Simmons, Pittsburgh, Pa., assignors to Star-Service Hanger Company, Detroit, Mich.
Application January 22, 1934, Serial No. 707,634
26 Claims. (Cl. 198—34)



26. An apparatus of the class described comprising means for advancing triangular wire garment hangers having suspension hooks and spacing and alining them in parallel relation, and positioned so as to permit the insertion of a rod through corresponding angular ends of a plurality of the hangers, said means including a hook engaging screw and a cross member engaging screw arranged relative to each other to support the hangers in tilted position, and means acting to rotate said screws in unison.

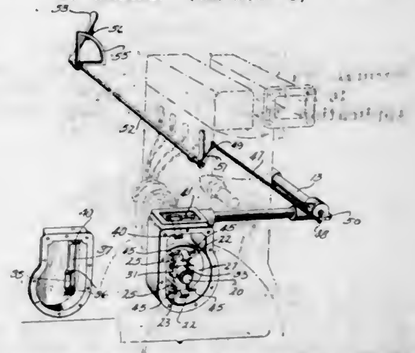
1,984,660
WINDOW DEVICE
Herman Spath and Alois Spath, Brooklyn, N. Y.
Application February 9, 1933, Serial No. 655,910
1 Claim. (Cl. 20—45)

In a window device, a rectangular open frame, an upper and lower window sash movable lengthwise in said frame, ropes suspending said sashes, a member mounted rigidly on one side of the said sash on said window frame, said member forming a guide for one sash, an intermediate strip rigidly mounted between said sashes, said intermediate strip being mounted on the upper half of said window frame, independent intermediate strip arranged end to end with respect to the first named intermediate strip, said second strip being rotatably secured to said window frame at its upper end, wider strip mounted rigidly on the side of said frame on the upper half portion of the latter, a second member similar to the wider strip being arranged end to end with said wider strip and being pivotally secured to said window frame at its upper end, said swingable intermediate strip, said pivoted



wider strip being adapted to be swung inwardly when said sashes are to be reversed.

1,984,661
THROTTLE VALVE CONTROLLER FOR TRACTORS
Rollo J. Stickles, Sullivan, Wis.
Application July 26, 1930, Serial No. 470,903
10 Claims. (Cl. 264—3)

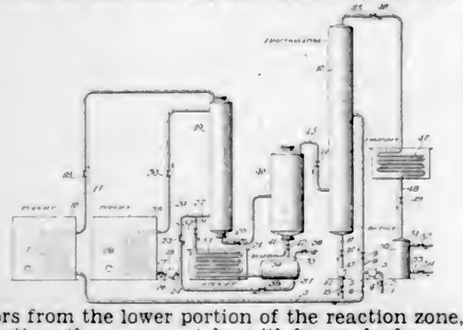


1. Throttle valve control mechanism comprising the combination with an engine throttle valve, of a speed governor operatively connected to the throttle valve, a manually operable member having extensible linkage connected to the throttle valve, a resiliently yieldable device under predetermined initial tension normally holding said linkage at minimum length and adapted when the speed governor reaches a predetermined speed to allow its extension towards closing position, whereby initial resistance to the action of the governor in response to speed may remain substantially the same in all positions of manual valve adjustment.

1,984,662
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 2, 1933, Serial No. 659,249
6 Claims. (Cl. 196—60)

1. A conversion process which comprises heating hydrocarbon oil to cracking temperature under pressure while flowing in a restricted stream through a heating zone, discharging the heated oil into the upper portion of an enlarged

vertical reaction zone maintained under cracking conditions of temperature and pressure, and passing both vapors and unvaporized oil downwardly therethrough, removing the unvaporized oil together with a portion of the vapors as a mixture from the bottom of the reaction zone, separately removing another portion of the va-



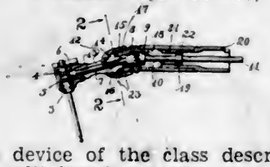
pors from the lower portion of the reaction zone, heating these separately withdrawn hydrocarbons to cracking temperature in a second heating zone and thence introducing the same to the upper portion of the reaction zone, separating said mixture withdrawn from the bottom of the reaction zone into vapors and residue, and fractionating and condensing the last named vapors.

1,984,663

DENTAL TOOL ANGLE

Norman Tatham, Los Angeles, Calif., assignor to H. P. De Witt, Los Angeles, Calif.

Application March 27, 1933, Serial No. 662,980
2 Claims. (Cl. 32—27)



1. In a device of the class described, longitudinally split housing portions made in pairs, one of said pairs having a bent-end with a central longitudinal axis at an angle to the central longitudinal axis of the larger part of this pair, joining portions engaging and holding said housing portions, one of said joining portions engaging and holding another of said pairs to the bent-end of the first-named pair thereby forming a bend in the assembled adjoining pairs of the housing, and operating means turnably disposed in and through the assembled adjoining pairs and joining portions and adapted to be separated to be sterilized inside and outside where hollow and joined.

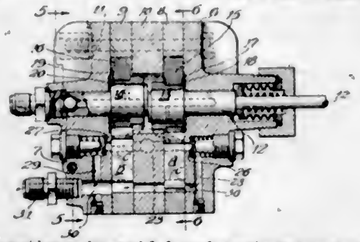
1,984,664

SECTIONAL ROTARY COMPRESSOR

Alfréd Teves, Frankfort-on-the-Main, Germany

Application December 23, 1931, Serial No. 582,816
In Germany December 29, 1930
5 Claims. (Cl. 230—158)

2. A rotary compressor comprising a pair of head sections, one or more dividing sections, a plurality of interchangeable chamber sections symmetrical and identical as to shape and size interposed between said head and dividing sections, at least one longitudinal conduit extending through said dividing and chamber sections, a shaft rotatably mounted in said head sections and passing through said dividing and chamber sections, piston members mounted on said shaft, one in each chamber section, and inlet and out-



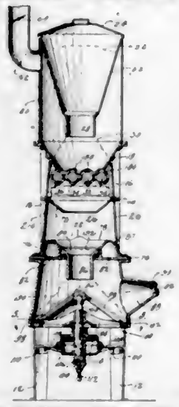
let connections in said head sections associated with said conduit or conduits.

1,984,665

GAS GENERATING APPARATUS

Jay E. Tone, Des Moines, Iowa

Application June 14, 1929, Serial No. 370,759
8 Claims. (Cl. 23—277)



1. A gas generating apparatus comprising a casing, a grate extending across the casing and forming thereabove a combustion chamber in which fuel may be partially burned, a second grate extending across the casing for receiving the partially burnt fuel, means extending across said casing between the grates for forming above said second grate a substantially closed combustion chamber, means whereby air may be directed through the burning fuel on the second grate for converting the air into an inert gas collecting in said chamber above the burning fuel, and means whereby the inert gas may be drawn from said chamber.

1,984,666

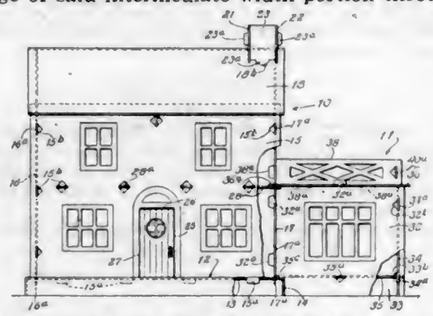
PLAYHOUSE

Donald M. Warren, West La Fayette, Ind.

Application August 11, 1933, Serial No. 684,686
7 Claims. (Cl. 46—37)

1. A play-house comprising a plurality of sheet material members having means for uniting the same in set-up relation, said means comprising ears integral with and projecting edgewise from some of the members and openings in some of the members having niches adapted to wedgingly engage the edges of said ears when the latter are projecting through the openings, the ears having inner end widths substantially fitting said openings, outer end widths less than the corresponding dimensions of said openings, and intermediate widths greater than said opening dimensions, said intermediate widths necessitating

distortion of the ear or opening to permit passage of said intermediate width portion through



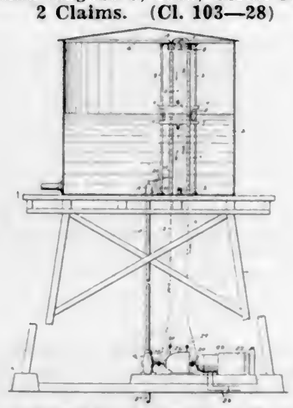
the opening and serving to lock the members in set-up relation.

1,984,667

PUMP OPERATING MECHANISM

Omer Watson, Houston, Tex.

Application August 8, 1932, Serial No. 627,884
2 Claims. (Cl. 103—28)



1. The combination with a tank, of a supply line entering the bottom of the tank, and having a flared valve seat, a pump connected into the line, a valve arranged to cooperate with the seat and controlling said line and arranged to be maintained open by the pressure of liquid delivered through said line by said pump, a motor, means including a clutch for connecting the motor with and for disconnecting the same from the pump, a float in the tank, cables operatively connected to the float and clutch whereby the clutch may be disconnected upon the elevation of the float, and whereby the clutch may be engaged upon descent of the float, upstanding guide tubes anchored to the bottom of the tank and extending above the level of the liquid in the tank through which the cables operate, and means arranged to be operated by the float to open the valve upon such descent of the float.

1,984,668

METHOD OF CLEANING THE WALLS OF MUDDED BORE-HOLES

James W. Weir, Los Angeles, and Henry S. Montgomery, South Pasadena, Calif., assignors of one-third to Alfred W. Knight, South Pasadena, Calif.

No Drawing. Application March 10, 1934, Serial No. 715,001
8 Claims. (Cl. 166—21)

1. The method of restoring the porosity of mudded well bores which comprises: impregnating the mud coating of such a well-bore throughout at least a portion of its length with a reagent in solution; subsequently impregnating said mud coating with a second reagent in solution in a solvent miscible with said first solution, said first-named and said second-named reagents being of such type as to chemically interreact to cause a disintegration of said mud coating; and removing from said bore the material resulting from the disintegration of said mud coating.

1,984,669

DEODORANT COMPOSITION

Harry Taub, New York, N. Y., assignor to Feminine Products, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 4, 1932, Serial No. 641,231
6 Claims. (Cl. 167—90)

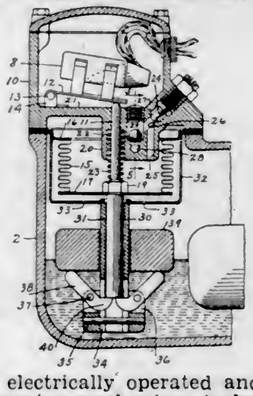
1. A solid wax-like perspiration deodorizing and inhibiting preparation comprising an absorption base, an effective perspiration deodorant and at least one wax-like ingredient.

1,984,670

ELECTRICALLY OPERATED AND CONTROLLED FLUID FUEL-BURNING MECHANISM

Walter W. Williams, Bloomington, Ill.

Application August 14, 1933, Serial No. 685,021
2 Claims. (Cl. 158—28)



1. In an electrically operated and controlled fluid fuel-burning mechanism, including a float chamber, means actuated by the operation of said mechanism for delivering a constant supply of fluid fuel and air under pressure to said chamber, a burner nozzle, means connecting said chamber and nozzle for separately conducting fuel and air to the nozzle; a float control fuel valve within said chamber operable upon a sufficient rise of the fuel therein to open the fuel delivery means for delivering fuel under the pressure of the air in said chamber to the burner nozzle, an electrically operated ignition device for igniting the fuel at the nozzle, means to establish an electric circuit to said device, a switch in the ignition circuit mounted in a housing above said float chamber adapted to normally assume the closed position, a shaft mounted to reciprocate within the housing and chamber to open and close the switch, a contractible and expansible bellows depending into the chamber connected at its upper end between the float chamber and housing and provided with a closure at its lower end secured to said shaft, tension means between the housing and bellows closure to normally maintain the bellows expanded when the mechanism is idle, adapted to be overcome and allow the bellows to contract upon the creation of air pressure within the float chamber upon initiation of operation of the mechanism, a plunger carried on the under

side of the bellows closure adapted to reciprocate therewith, and means actuated by the plunger upon contraction of the bellows to raise the level of the fluid fuel in the float chamber.

1,984,671
SPLINTERLESS MATERIAL, PARTICULARLY SPLINTERLESS GLASS

Karl Daimler and Gerhard Balle, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

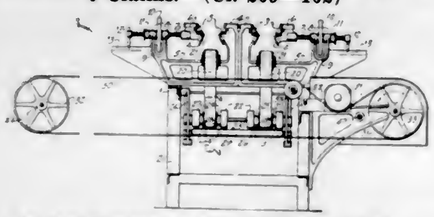
No Drawing. Application April 9, 1931, Serial No. 528,975. In Germany April 19, 1930
5 Claims. (Cl. 49—81)

3. Splinterless glass containing as binding agent for securing adhesion of the sheets of glass a condensation product of maleic acid and 1.3 glycols.

1,984,672
FRUIT SIZER

William de Back, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 30, 1930, Serial No. 471,804
6 Claims. (Cl. 209—102)

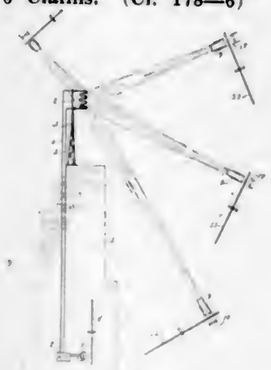


1. An apparatus of the class described, comprising a pair of endless longitudinally divergent sizing belts having their working faces angularly disposed, one toward the other, means for driving the same at a common speed and a carrier belt positioned beneath said sizing belts to receive and convey sized fruit which has fallen free from engagement with the sizing elements and driven by frictional driving contact therewith.

1,984,673
TELEVISION SYSTEM

Allen B. Du Mont, Upper Montclair, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application April 21, 1931, Serial No. 531,668
6 Claims. (Cl. 178—6)

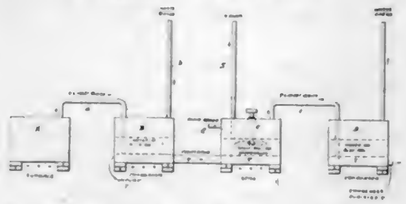


3. In a system for broadcasting intelligence, the combination of a high-powered light, means for optically producing a direct image of said light at a distant point, means for modulating said light in accordance with the intelligence to be transmitted, and means for telescopically viewing said light directly at a distance including a television scanning device.

1,984,674
PRODUCTION OF PURE PHOSPHORUS

Augustus H. Fiske, Warren, and Charles S. Bryan, East Providence, R. I., assignors to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island

Application November 24, 1933, Serial No. 699,578
7 Claims. (Cl. 23—223)

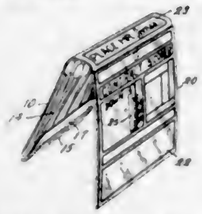


1. In the process of producing pure phosphorus by heat extraction from a raw source having undesirable impurities, those steps consisting in heating the source in an atmosphere of inert gas to effect a distillation of an elementary phosphorus from the source, in condensing the phosphorus so distilled in an atmosphere of inert gas and in the presence of water and acid material, and in collecting the condensed elementary phosphorus, in treating the condensed phosphorus in a closed chamber with a hot solution or suspension of an alkali base, and in distilling off the elementary phosphorus.

1,984,675
NOVELTY MATCH PACKAGE

Henry L. Freeman, Chicago, Ill.

Application November 15, 1932, Serial No. 642,770
2 Claims. (Cl. 206—29)

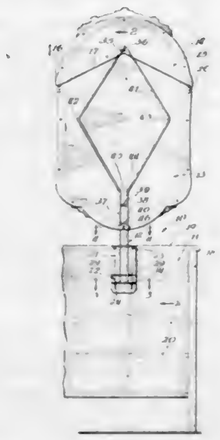


1. A book match package having, in combination, a comb of matches, a cover comprising a strip of material with its intermediate portion passing in back of the matches, a short end bent up in front of the supporting ends of the matches and secured thereto to form a retaining tab, and its other end extending over the match heads and down in front thereof to form a front flap arranged to have its lower end inserted behind said retaining tab, said flap being provided with informative data thereon and a member pivotally secured at its upper end to said front flap so as to overlie the flap and have its lower end inserted behind said tab, and having an aperture therein through which said data on said flap are visible when said member is pivoted with respect to the flap, said retaining tab holding said flap and member together against relative swinging movement when the flap and member are inserted behind the tab.

1,984,676
MIRROR SUPPORTING DEVICE

Abraham J. Gaines, Chicago, Ill.

Application November 16, 1933, Serial No. 698,274
7 Claims. (Cl. 45—88)

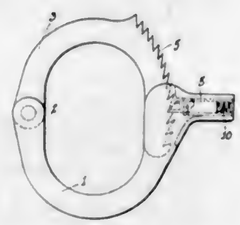


1. In a mirror supporting device, an attaching plate for a dresser comprising a metallic member having apertures for receiving attaching devices connected to the top of a dresser, said member having a multiplicity of other apertures located to receive attaching devices secured to a drawer partition, said multiplicity of apertures adapting said plate for drawer partitions of different location, a resilient metal supporting member removably secured to said plate, and a mirror fixedly mounted on said supporting member at its upper end.

1,984,677
HANDCUFF

John W. Harrington, Worcester, Mass., assignor to Harrington & Richardson Arms Company, Worcester, Mass., a corporation of Massachusetts

Application September 10, 1932, Serial No. 632,478
5 Claims. (Cl. 70—24)



1. In a handcuff construction, the combination with a frame carrying a pivoted toothed locking arm and a slidable bolt having its beveled end portion adapted to cooperate with the teeth on said arm, of means for rotating a portion of said bolt on its axis to move it into a position in which the beveled end portion thereof is yieldingly maintained in engagement with a tooth on said locking arm to hold said arm against turning movement in one direction on its pivotal axis while permitting said arm to turn in the opposite direction.

1,984,678
VINYL ESTER LACQUER

Willy O. Herrmann and Wolfram Haehnel, Munich, Germany, assignors, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany, a corporation of Germany

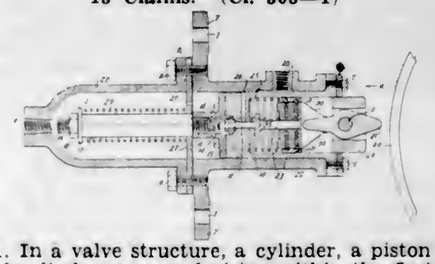
No Drawing. Application March 5, 1931, Serial No. 520,467. In Germany March 14, 1930
7 Claims. (Cl. 134—26)

1. A lacquer comprising a mixture of high and low viscosity polymerized vinyl esters soluble in a mixture of four parts spirit and one part acetic ester.

1,984,679
STOP DETECTOR

Alfred E. Hudd, Evanston, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 2, 1928, Serial No. 274,412
13 Claims. (Cl. 303—1)

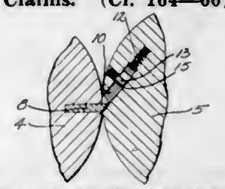


1. In a valve structure, a cylinder, a piston in said cylinder, a second piston within the first, a valve having an operating stem within said pistons, a valve actuator, said pistons being operable to cause said valve actuator to be encountered by said stem to actuate said valve.

1,984,680
WEB CUT-OFF MECHANISM

David W. Hudson, Green Bay, Wis.

Application July 20, 1931, Serial No. 551,962
6 Claims. (Cl. 164—66)



1. In a web severing device, the combination with a pair of rotatable supports, a blade member carried by one of said supports and provided with a web severing margin, an anvil carried by the other of said supports with which said margin is adapted to interact, and a guideway on said last mentioned support in which said die member is rotatable and reciprocable in a direction at an acute angle to a radius from the axis of said last mentioned support to the operative face of said die member, together with means for limiting the reciprocation of said die member.

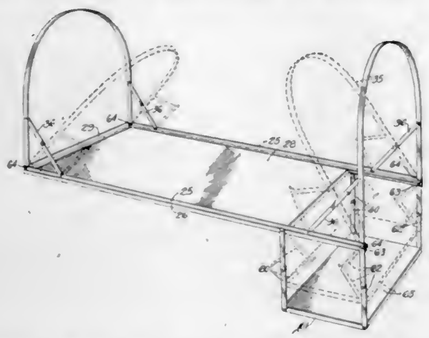
1,984,681
AUTO PENTHOUSE

John Willis Jackson, Winnetka, Ill.

Application January 10, 1934, Serial No. 706,026
17 Claims. (Cl. 135—4)

1. For use with a vehicle body, a surmounting auto penthouse comprising a base, means for

anchoring the base in a fixed position on top of the vehicle body, a pair of bows pivotally mounted on the base adjacent opposite ends thereof, each adapted to swing inwardly and downwardly to a



position of collapse or to swing upwardly and vertically into a position of erection, and adapted to support a flexible covering providing an enclosure above the base, and means for releasably sustaining the bows in erected position.

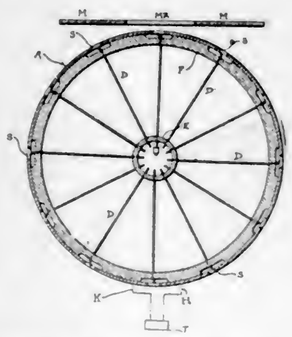
1,984,682

TELEVISION SCANNING DEVICE

Charles Francis Jenkins, Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application February 1, 1930, Serial No. 425,271

2 Claims. (Cl. 178—6)



1. A television apparatus comprising a rotatable apertured scanning device, a series of conducting rods insulatingly mounted in a common hub and projecting radially therefrom, the outer ends of said rods terminating in said apertures and spaced from the edges of said apertures for producing luminous spark discharges entirely within the apertures, means for rotating said rods and said device as a unit, and a common stationary distributing contact for all of said rods.

1,984,683

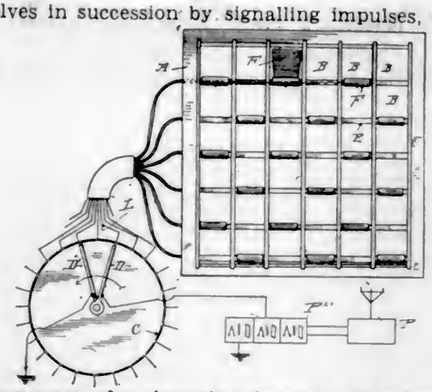
ELECTROOPTICAL SYSTEM AND METHOD OF CONTROL

Charles Francis Jenkins, Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application April 22, 1930, Serial No. 446,220

10 Claims. (Cl. 178—6)

3. In combination, an electrostatic light valve having movable valves, means for operating said valves in succession by signalling impulses, and



other means for abruptly releasing said valves in succession by non-signalling impulses.

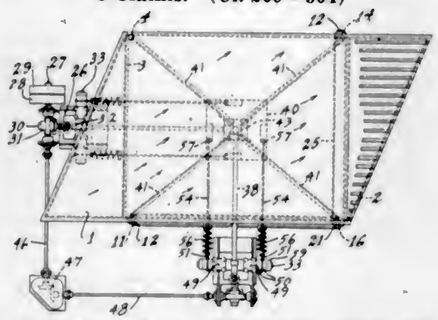
1,984,684

CONCENTRATING MECHANISM

Martin J. Lide, Birmingham, Ala.

Application August 22, 1932, Serial No. 629,792

8 Claims. (Cl. 209—504)



1. A concentrating mechanism comprising a table having a substantially centrally disposed bottom thrust plate, rocking supports provided under each side of the table, a drive mechanism for oscillating the table comprising a cam driven rocker element, a thrust rod engaging said element and said thrust plate, and spring means connecting the table with a relatively stationary element to oppose the action of said thrust mechanism, said spring means being disposed on opposite sides of the thrust rods.

1,984,685

CONVEYER MECHANISM

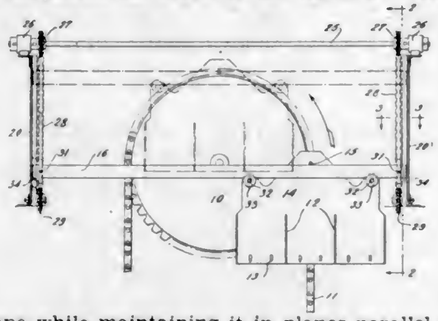
Willard A. Marcy, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application May 26, 1932, Serial No. 613,627

11 Claims. (Cl. 198—137)

1. In a vertical conveyer of the type which comprises an endless chain to which cars having load-supporting platforms are pivotally secured so that the cars travel in parallel vertical paths and are transferred laterally between such paths, means engaging the cars during the transfer movement to maintain the load-supporting platform in planes parallel to a selected normal plane, said means comprising a bar in a plane parallel to such normal plane and in the path of the transfer movement of the car, rollers projecting from said car which engage the bar and permit the movement of the car vertically with

the bar and laterally relative thereto, and means which permit the travel of the bar in a vertical



plane while maintaining it in planes parallel to such normal plane.

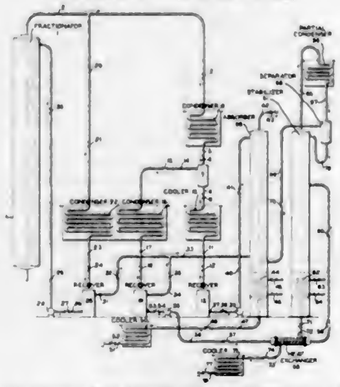
1,984,686

TREATMENT OF HYDROCARBON OILS

Percy Mather and Donald J. Bergman, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application April 27, 1931, Serial No. 533,055

10 Claims. (Cl. 196—11)



6. A process for treat ng a mixture of hydrocarbon vapors and gases which comprises fractionating the mixture in a fractionating zone to condense and separate the heaviest fractions thereof, dividing the fractionated mixture into separate portions, subjecting one of said port.ons of the fractionated mixture to condensation and returning resultant condensate to the fractionating zone to assist the fractionation therein, separately subjecting the remaining portion of the fractionated mixture to condensat on and separating resultant condensate from the uncondensed portion of the mixture, and scrubbing said uncondensed portion with condensate formed by the last mentioned condensation.

1,984,687

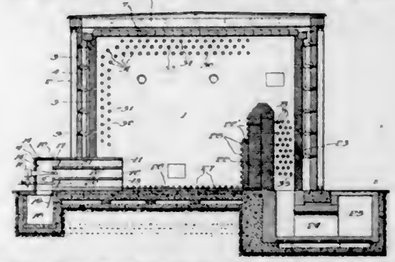
METHOD OF PRODUCING LUMINOUS FLAME IN FURNACES

Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application May 23, 1929, Serial No. 365,552

4 Claims. (Cl. 158—117.5)

1. In the operation of heating furnaces, the method of producing a luminous flame which comprises partially burning fuel in admixture with air in a confined passageway, discharging the burning fuel from said passageway into the furnace, introducing steam and additional air into the furnace beyond said passageway and com-



mingling the same with the burning fuel adjacent the point of introduction of the latter to the furnace, and completing the combustion of the fuel in the furnace.

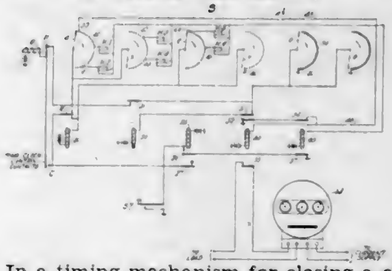
1,984,688

METER TESTING ARRANGEMENT

James S. Murray, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 14, 1929, Serial No. 414,021

10 Claims. (Cl. 161—1)



1. In a timing mechanism for closing a circuit connection during a period of time, a step-by-step rotary switch, periodically operated time contacts for controlling the operation of said rotary switch, means for starting the operation of said switch and continuing it under control of said time contacts, means responsive to the operation of said rotary switch for closing the circuit connection, variably operated means associated with the bank contacts of said switch, each of said means corresponding to a predetermined interval of time, and means responsive to the operation of one of said variable operated means for stopping said switch and disconnecting said circuit connection.

1,984,689

LIQUID TREATING DEVICE

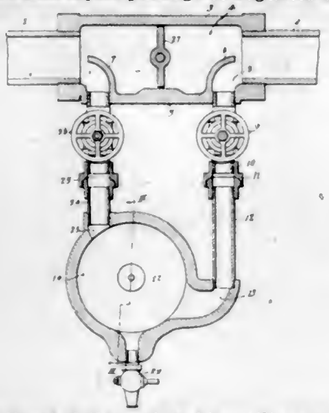
Elmer V. Nagy and Andrew C. Elder, Los Angeles, Calif., assignors of twenty per cent to Abraham Rothenberg, Los Angeles, Calif.

Application August 22, 1933, Serial No. 686,236

1 Claim. (Cl. 204—25)

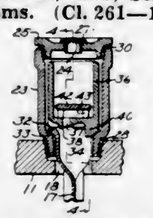
In a device for treating liquids flowing through a conduit, a coupling interposed in said conduit, having a liquid passage therethrough and having auxiliary inlet and outlet openings communicating with said liquid passage, baffle means in said coupling adjacent said auxiliary inlet and outlet openings for diverting a portion of the liquid flowing into said coupling from said liquid passage and through said auxiliary inlet and outlet openings, and a valve for substantially clos-

ing off said liquid passage interposed between said auxiliary inlet and outlet openings and operable to restrict said liquid passage to regulate the ratio



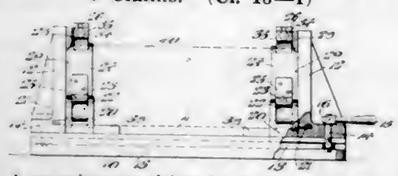
of liquid diverted through said auxiliary inlet and outlet openings, and electrolytic treating means in communication with said auxiliary inlet and outlet openings.

1,984,690
GAS SCRUBBER
Kevork K. Nahigyan, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 16, 1933, Serial No. 693,704
11 Claims. (Cl. 261—112)



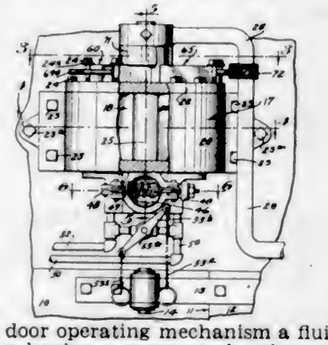
1. A gas scrubber comprising a tank for liquid mounted above a gas passage, said tank having a bottom wall provided with openings, deflecting members mounted in the gas passage, cover plates closing said openings and provided with orifices to distribute liquid among the deflecting members, the cover plates and the wall having cooperating slightly tapering surfaces, and gaskets located between said tapering surfaces and compressed by the wedging action as the cover plates are forced into place.

1,984,691
CAPPING MACHINE FOR SPECIMENS
Manuel V. Nardiello, Toledo, Ohio, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 29, 1932, Serial No. 619,877
7 Claims. (Cl. 18—1)



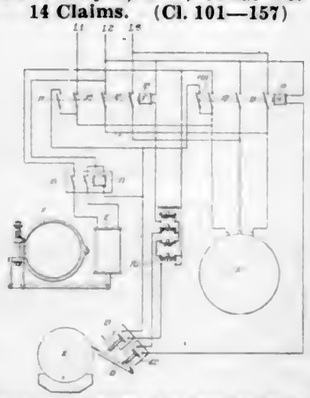
1. A capping machine for test specimens, comprising a base, head plates mounted on said base and each forming one side of a cap mold, a saddle adjacent each plate and forming the bottom of the cap mold, segmental members pivoted to the ends of each saddle for clamping a test specimen in casting position, said members forming the top of the cap mold, and means for holding said members in clamped position.

1,984,692
DOOR OPERATING MECHANISM
Fred L. Nichols, Minneapolis, Minn.
Application July 16, 1931, Serial No. 551,106
3 Claims. (Cl. 268—64)



1. In a door operating mechanism a fluid pressure motor having a pressure chamber, a piston mounted in said chamber and having operating connections extending therefrom to a door, fluid connections leading to said chamber at opposite sides of the piston, means for alternately forcing fluid into the chamber through opposite of said connections to operate the piston in reverse directions, a fluid by-pass between the fluid connections at a point ahead of the motor, valve means interposed in the fluid by-pass and subject to opening pressure by fluid in the system, and means operating on the valve means to maintain the same closed against the opening action of the fluid under normal pressures but permitting opening of the valve means under excessive pressures and operative on said valve means subsequent to such opening under excessive pressure to hold the same open subject to manual manipulation.

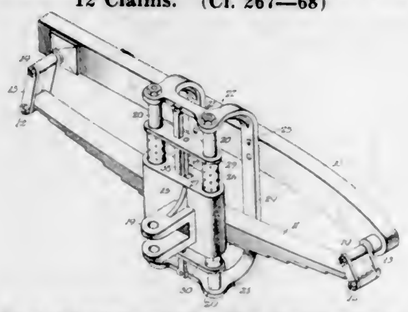
1,984,693
CONTROL MEANS FOR PRINTING PRESSES
John D. Nies, St. Charles, Ill., assignor to Kimble Electric Company, Chicago, Ill., a corporation of Illinois
Application May 1, 1931, Serial No. 534,173
14 Claims. (Cl. 101—157)



1. In a printing press, the combination of power means for driving the press, a design carrying

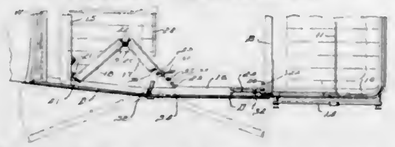
printing cylinder, a doctor blade normally in contact with said cylinder to control the ink supply therefor, a brake associated with said power means, and separate means for holding said brake in a positive fully effective position when said power means is normally at rest in order to avoid rotation of said cylinder in reverse direction while said doctor blade is in contact therewith.

1,984,694
SPRING SUSPENSION FOR VEHICLE WHEELS
Victor A. Nottoli, Chicago, Ill.
Application September 18, 1933, Serial No. 689,804
12 Claims. (Cl. 267—68)



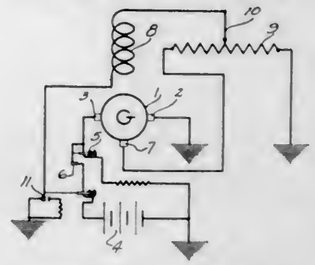
1. In a wheeled vehicle, the combination of a frame, a substantially horizontal leaf spring having its ends movably connected to the frame, a bracket adapted to be supported by one of the wheels and secured to the central portion of the spring, and guide-means between said bracket and the frame for permitting vertical rectilinear relative movement between the bracket and the frame and for connecting the bracket and the frame for conjoint relative fore-and-aft movement, said means comprising a vertical rod carried by the frame and extending through, and slidable in, a vertical socket in the bracket on the central portion of the spring.

1,984,695
FOLDING TOP
Jules A. Olivier, Detroit, Mich., assignor to Dietrich, Incorporated, Detroit, Mich., a corporation of Michigan
Application March 18, 1931, Serial No. 523,401
7 Claims. (Cl. 296—116)



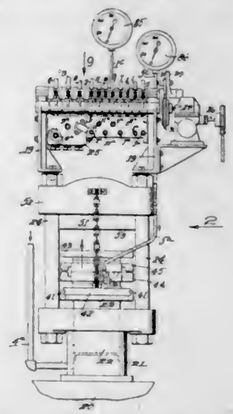
1. In a vehicle top of the class described, the combination of an intermediate upright post having a slotted dowel projecting from the top thereof, a sectional roof supporting member extending over the top of said post and having a joint adjacent the top thereof, one of said sections having a socket for receiving the dowel on said post, and the adjoining section having an extension overlapping said first extension and pivotally connected thereto at a point remote from the end thereof and said socket, a lever pivotally mounted in said overlapping extension and having a cam portion engageable with said slotted dowel in said socket for securing said sections rigidly in alignment and to said post.

1,984,696
GENERATOR CONTROL
Frederick J. Pease, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 18, 1931, Serial No. 531,079
10 Claims. (Cl. 171—229)



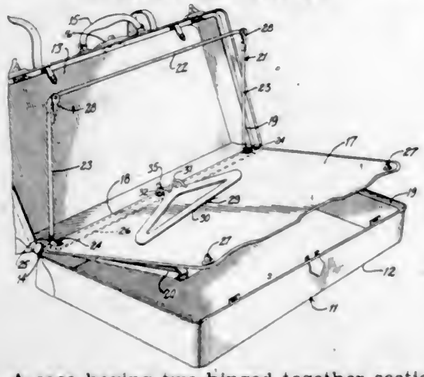
9. The combination with a generator having first and second output brushes and a third, field-charging brush, and a field winding connected with said third brush and energized therefrom, of an adjustable potentiometer connected between certain of said brushes and said field coil and adjustable to regulate the flow of current through said winding, whereby selectively to determine the voltage across said output brushes.

1,984,697
MACHINE FOR BLOWING HOLLOW ARTICLES
Earl R. Person, Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 30, 1931, Serial No. 572,118
19 Claims. (Cl. 18—19)



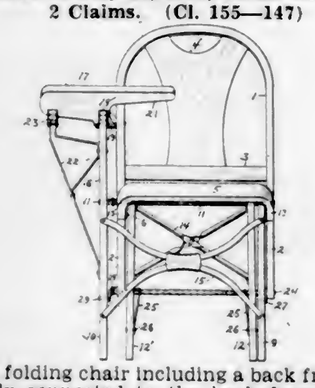
1. In a machine for molding hollow articles from plastic stock, the combination of a pair of dies, a plunger adapted to operate to move the dies, and a stationary anvil against which the pressure of the plunger is exerted through the dies, of means for introducing fluid under low pressure behind the plunger to move the dies against the anvil, means for then introducing air under pressure directly between the two sheets of plastic material located against the respective die surfaces, and means for thereafter introducing fluid under high pressure from a separate source against the plunger to force the dies together under high pressure and cut off the sheet stock around the dies.

1,984,698
LUGGAGE
Oscar H. Plotkin, Chicago, Ill., assignor to S. Dresner & Son, Inc., Chicago, Ill., a corporation of Illinois
Application April 10, 1931, Serial No. 529,014
11 Claims. (Cl. 190—41)



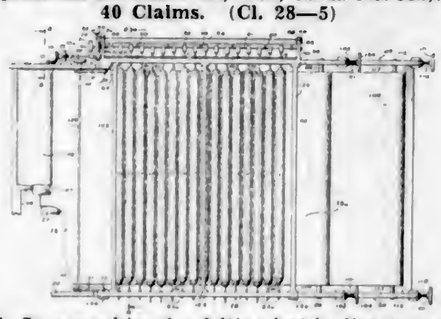
1. A case having two hinged together sections and a swinging door dividing said sections into two compartments, a bow comprising a substantially U-shaped frame adapted to extend along three sides of the door, bracket means releasably connecting the bow with the door for pivotally securing said bow in spaced relation to the door, said bow being capable of swinging on its bracket means independent of the door and also capable of swinging bodily with said door as a unit to and from a position suspending apparel.

1,984,699
COMBINATION FOLDING CHAIR AND TABLE
William Charles Rastetter, Fort Wayne, Ind.
Application July 16, 1930, Serial No. 468,400
2 Claims. (Cl. 155—147)



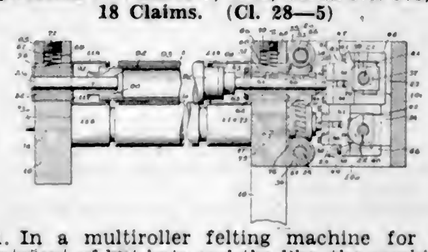
1. A folding chair including a back frame a seat foldably connected to the back frame, foldably connected fore and rear leg structures, foldably connected to the seat frame, links connecting said back frame and leg structures, one of the legs of the foreleg structure having an upwardly projecting extension, a member having a table top at its forward portion and a rearwardly extending portion forming an arm rest, said member having pivotal connection with the back frame and with said extension of the foreleg structure, a brace of strip-like material rigidly secured at its lower end to said foreleg structure at a point adjacent the lower end of the latter and being outwardly inclined and pivotally connected at its upper end with the table top adjacent the outer side thereof at a point spaced outwardly from and horizontally alined with the pivotal connection between said member and foreleg extension, said brace having an upper portion extending inwardly and downwardly toward and rigidly secured to the foreleg extension at a point adjacent the upper end of the latter, and having an outwardly extending lower portion secured to the body of the brace below said connection between the inwardly extending portion of the brace and the foreleg extension.

1,984,700
FELTING MACHINE
Ralph K. Reynolds, Danbury, Conn.
Application December 23, 1931, Serial No. 582,720
40 Claims. (Cl. 28—5)



1. In a machine for felting hat bodies, in combination, a plurality of rollers, means for vibrating said rollers along their axes, and means for vibrating said rollers perpendicular to their axes.

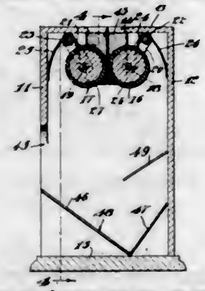
1,984,701
APPARATUS FOR AND METHOD OF SHRINKING AND FELTING
Ralph K. Reynolds, Danbury, Conn., assignor to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut
Application November 9, 1931, Serial No. 573,761
18 Claims. (Cl. 28—5)



1. In a multiroller felting machine for the treatment of hat bats and the like, the combination with a bank of upper rollers, and a bank of lower rollers, of a shaft to vibrate axially the upper rollers, a shaft to vibrate axially the lower rollers, a plurality of roller vibrating devices on the first named shaft, a plurality of roller vibrating devices on the second named shaft, the extreme throw of said devices being located in different angular positions on each of said shafts, to effect a balance of the endwise momentum of said rollers and means for rotating said rollers.

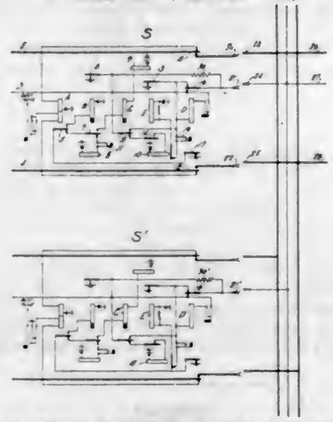
1,984,702
CARD SHUFFLING MACHINE
Carl Ruckman and Henry R. Hawkinson, Los Angeles, Calif.
Application July 31, 1933, Serial No. 682,974
6 Claims. (Cl. 273—149)

1. In a card shuffling mechanism, a pair of parallel rollers mounted for movement toward and away from each other and adapted to receive a pack of cards therebetween, tensioned means for yieldably opposing transverse movement of said rollers away from each other and for maintaining the rollers in contact with the outermost cards of the pack under pressure, means for rotating said rollers in opposite direction relative



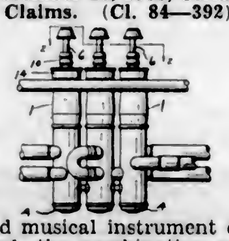
to each other, and means co-operating with said rollers on rotation thereof for effecting removal of the outermost cards of the pack from the intermediate portion thereof.

1,984,703
SELECTOR SWITCH
Reuben Rummelt, Durham, N. C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 9, 1932, Serial No. 646,418
7 Claims. (Cl. 179—18)



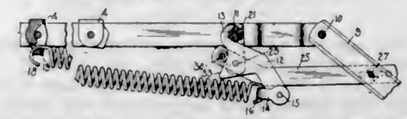
1. In a selector switch, an incoming test conductor, a test wiper, a switching relay connected between said conductor and wiper, and a non-inductive resistance normally connected between said conductor and wiper in shunt of said relay.

1,984,704
WIND MUSICAL INSTRUMENT
Louis M. Schaefer, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application December 16, 1933, Serial No. 702,655
9 Claims. (Cl. 84—392)



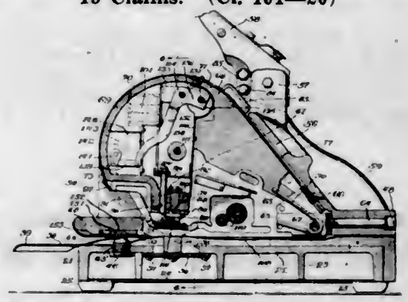
1. In a wind musical instrument of the character described, the combination with a valve casing and a reciprocatory valve therein, of means for reciprocally actuating said valve and maintaining the latter against rotation in said casing, said means comprising a stem fixedly connected with said valve eccentrically of the axis thereof and slidably mounted in said casing in eccentric relation to said valve axis.

1,984,705
CULTIVATOR
John Schaeffer, Horicon, Wis., assignor to Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application September 28, 1932, Serial No. 635,158
11 Claims. (Cl. 97—184)



1. In a spring trip release mechanism for cultivators, a beam, a lever pivoted to the beam for arcuate movement with respect thereto, a spring fixed between the free end of said lever and said beam, a standard pivoted to said beam, means pivotally connected to said standard and slidably engaging said lever whereby the lever arm through which the pivotally connected means acts upon the lever may be varied, and means for shifting the pivotally connected means relative to the lever to alter the leverage of said spring on said standard as the standard is moved rearwardly of the beam to enable the spring to restore the standard to a normal position.

1,984,706
SIGNATURE WRITING MACHINE
Ole Slettevold, Chicago, Ill., assignor to Hedman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 6, 1928, Serial No. 324,134
15 Claims. (Cl. 101—20)

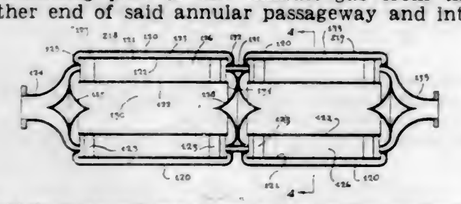


1. An apparatus of the class described comprising a platen, a die cooperating therewith to produce a scarified signature on an instrument, means for guiding the instrument between the platen and die, operating means for causing relative movement between the platen and die to impress the signature, means for preventing said operating means from operating when the thickness of the instrument varies from a predetermined standard, and means for adjusting said last mentioned means to accommodate any selected standard of thickness of an instrument.

1,984,707
EXHAUST DEVICE FOR INTERNAL COMBUSTION ENGINES
William B. Sommer, St. Paul, Minn.
Application July 27, 1931, Serial No. 553,379
2 Claims. (Cl. 137—160)

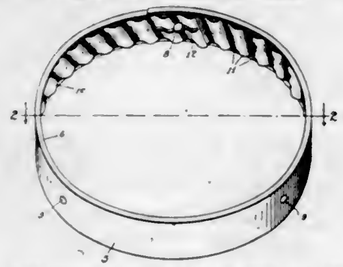
2. An exhaust device for internal combustion engines comprising a conduit having a passageway therethrough, a second conduit encircling said first named conduit and forming an annular

passageway therebetween, means for conducting the exhaust gas from the engine into said annular passageway at one end thereof, means for conducting part of the exhaust gas from the other end of said annular passageway and into



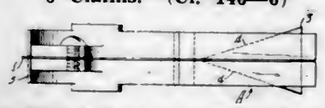
said first named passageway, means for conducting the exhaust gas from said first named passageway into the annular passageway at the first named end thereof and means for conducting part of the exhaust gas from the annular passageway out of the exhaust device.

1,984,708
GAS BURNER DEVICE
Nicholas J. Surges, Seattle, Wash.
Application September 25, 1933, Serial No. 690,847
3 Claims. (Cl. 158—113)



1. A gas burner device adapted to rest above the top of a burner and comprising an outer ring, and an inner ring connected to the outer ring and having corrugations that are inclined to the vertical and extend the full height of said inner ring.

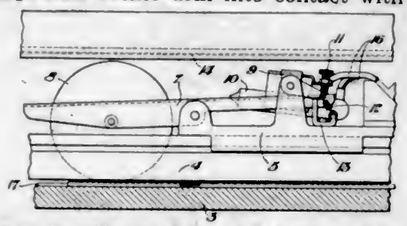
1,984,709
PEELING KNIFE
Robert Brooks Taylor, Kapaa, Territory of Hawaii
Application October 31, 1932, Serial No. 640,521
6 Claims. (Cl. 146—6)



1. A peeling knife for a pineapple or the like comprising a blade adapted to pass through the pineapple shell in a radial plane, a guide projecting from both sides of the blade in spaced and parallel relation to the cutting edge and a second blade secured transversely to the bottom edge of the first blade and substantially in alignment therewith.

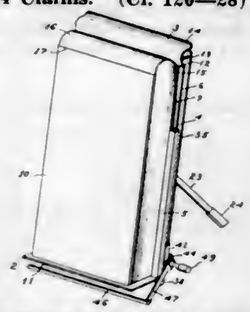
1,984,710
ELECTRICAL SWITCH
Edward Thomas, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 14, 1932, Serial No. 642,661
1 Claim. (Cl. 164—59)

An electrical switch including the combination of a two-arm lever arranged so that one of its ends is moved by the passage of moving work, a rocker arm arranged to rock into contact with the other end of said lever, a spring arranged to urge said rocker arm into contact with said



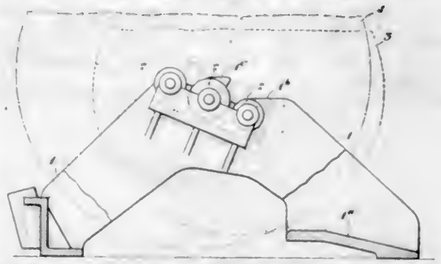
other end so that it follows the same, a stop arranged to limit the rocking of said rocker arm so that it can only follow said other end a limited distance and a mercury switch mounted by said rocker arm.

1,984,711
COPYHOLDER
Bonnie E. Van Alstyne, San Francisco, Calif.
Application July 3, 1934, Serial No. 733,636
14 Claims. (Cl. 120—28)



1. A copy holder comprising a support provided with a pocket for receiving a note book cover, the pocket having a front and rear wall, the front wall being extended to form a bottom for the pocket and also for forming a note book supporting shelf.

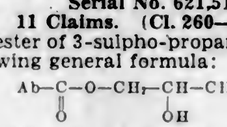
1,984,712
SPOOL STAND
Walfred A. Wallsten, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 22, 1933, Serial No. 677,141
3 Claims. (Cl. 242—139)



1. A stand for spools having axles, including open-topped journaling means positioned above floor-level, a substantially horizontal runway registering with said means, and an incline starting at floor-level and extending to a position bringing an axle of a spool rolled upwardly thereon, onto said runway.

1,984,713
ABIETYL ESTERS OF SULPHOPROPANE-DIOL AND PROCESS OF PREPARING THE SAME
Henry J. Weiland and Clyde O. Henke, South Milwaukee, Wis., and Gastao Etzel, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 8, 1932, Serial No. 621,514
11 Claims. (Cl. 260—99.40)

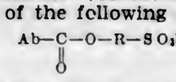
1. An ester of 3-sulpho-propane-diol possessing the following general formula:



wherein Ab stands for the radical $C_{19}H_{29}$ of abietic acid or $C_{19}H_{31}$ or $C_{19}H_{33}$ of hydrogenated abietic acid, while M stands for hydrogen or a metal atom or radical.

1,984,714
SULPHO-ALKYL ESTERS OF ABIETIC ACIDS AND PROCESS OF PREPARING THE SAME
Henry J. Weiland and Clyde O. Henke, South Milwaukee, and Milton A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1932, Serial No. 648,240
15 Claims. (Cl. 260—99.40)

1. An ester of the following general formula:

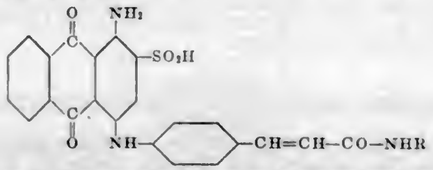


wherein *Ab* stands for the radical $C_{19}H_{29}$ of abietic acid or $C_{19}H_{31}$ or $C_{19}H_{33}$ of hydrogenated abietic acid, R stands for the hydrocarbon residue of a short-chain alcohol-sulphonic acid, while M stands for hydrogen or a metallic atom or radical.

9. The process of producing an ester which comprises reacting an abietic acid compound containing an exchangeable substituent on the carbonyl group with an aliphatic-sulphonic acid compound containing a supplementary exchangeable substituent on one of the carbon atoms.

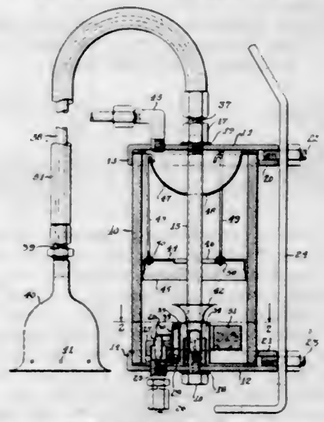
1,984,715
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Klaus Weinand, Leverkusen-I. G. Werk, and Hans Hertlein, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 3, 1933, Serial No. 674,261. In Germany June 6, 1932
5 Claims. (Cl. 260—60)

3. The compounds having in their free form the formula:—



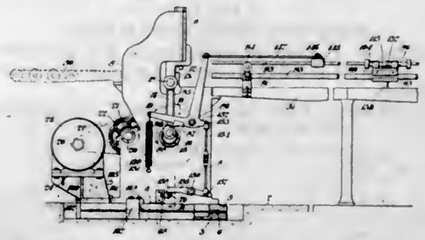
wherein R means hydrogen or a phenyl or benzyl radical, said compounds being in form of their alkali metal salts blue to bluish-green crystals, dissolving in water with the same coloration, dyeing vegetable fibers from a neutral or weakly alkaline bath strong blue to bluish-green shades of excellent fastness properties.

1,984,716
GASEOUS FUEL GENERATOR
Robert V. Welhoefer, Waterloo, Wis.
Refiled for abandoned application Serial No. 626,182, July 29, 1932. This application December 4, 1933, Serial No. 700,834
3 Claims. (Cl. 261—124)



1. A gaseous fuel generator for use in internal combustion engines, such generator comprising a chamber adapted to contain a quantity of gasoline, means for conducting gasoline into the said chamber, and means for controlling the inflow of gasoline to maintain a level of the latter in the chamber, an air inlet tube for passing an outside air stream through the gasoline in the chamber to effect saturation of the air stream with the vapors of the gasoline, a tubular shield at the lower end of the tube to break the force of the air stream and prevent displacement of body of gasoline, a deflector in the form of an inverted cone carried by the said tube acting to dash the gasoline against the inner wall of the chamber, and means for conducting the gas charged air to the firing chambers of an engine.

1,984,717
SHEAR DEVICE
Thomas D. Williams, Garfield Heights, Ohio
Application June 21, 1934, Serial No. 731,753
3 Claims. (Cl. 164—47)



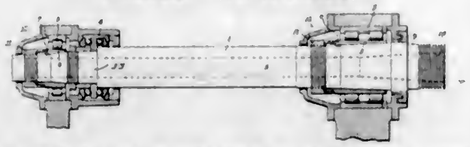
1. A shear device comprising a rotatable housing, a shear supported by said housing, means for driving said shear, means for adjusting said housing in such manner as to permit said shear to make a cut at one of a number of angles, a runout table on one side of said shear, means for initiating the operation of the means for driving said shear, a slide-bar extending along said runout table, at least one flexible connection between said slide-bar and said initiating means, and means operable by the material to be cut for releasing said slide-bar.

1,984,718

METHOD OF ELIMINATING ECCENTRICITY IN THE ROTATION OF WORK SPINDLES FOR MACHINE TOOLS

Gunnar Wistrand, Schweinfurt, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a corporation of Sweden

Application April 12, 1933, Serial No. 665,670
In Germany May 20, 1932
6 Claims. (Cl. 29—148.4)



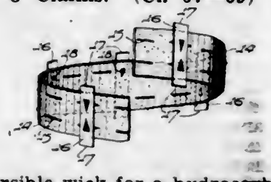
3. The art of truing work spindles which consists in forming adjacent to the respective ends of a spindle tapering surfaces, forming corresponding tapering bores in the race rings of radial antifriction bearings, mounting the bores of such bearings upon such tapering spindle surfaces, rotating the spindle concentric to the axis of the tapering faces thereon, then grinding the raceways of the bearings and mounting the plate of an anti-friction thrust bearing on the spindle.

1,984,719

WICK

Paul Barger, Greenfield, Mass.

Application March 8, 1933, Serial No. 660,061
5 Claims. (Cl. 67—69)



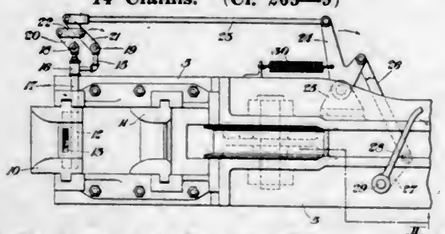
1. A reversible wick for a hydrocarbon burner, said wick comprising an elongated rectangular thin body of absorbent non-combustible material having attached thereto on one of its sides a plurality of separated and independent narrow metallic supporting members arranged transversely to and projecting beyond the longitudinal edges of said body and provided with integral punched out teeth passing through said elongated thin body.

1,984,720

PIPE WELDING APPARATUS

Thomas W. C. Beattie, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey

Application June 11, 1931, Serial No. 543,688
14 Claims. (Cl. 205—9)



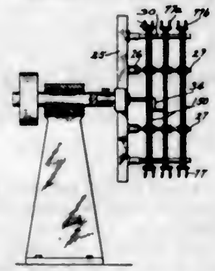
1. In apparatus for manufacturing welded tubes from heated metal strips, a bending bell through which the strip is drawn, means for subsequently pressing the edges of the strip together and welding same, and a gas-containing chambered member formed with an elongated slot which opens out sufficiently to completely cover the area of the edges of the strip in such manner as to enable the direction of a bath action of burning gas on its edges prior to being pressed together in welded relationship, said slot being disposed transversely with respect to the longitudinal axis of the strip.

1,984,721

ELECTRICAL COIL WINDING DEVICE

Bismark C. Beitling, San Fernando, Calif.

Application October 30, 1933, Serial No. 695,885
11 Claims. (Cl. 140—92.2)



1. In a coil winding device, a base, posts supported on said base, cross arms supported on said base, posts on said cross arms, coil spacing fingers on said posts, means to partially rotate said posts and certain of said fingers and means to retract said posts, said means being a plural number of gears and racks in operative relationship.

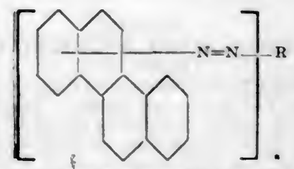
1,984,722

AZO DYESTUFF CONTAINING A CHRYSENE NUCLEUS

Alfred Bergdolt, Cologne-on-the-Rhine, and Albert Schmelzer, Cologne-Mulheim-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 6, 1932, Serial No. 646,024. In Germany December 18, 1931
12 Claims. (Cl. 260—86)

1. Water insoluble dyestuffs of the general formula



wherein *n* stands for one of the numbers one and two and R stands for the radical of a coupling component suitable for producing an azo dyestuff free from a group inducing solubility in water, yielding when produced on the fibre generally blue to violet to brown shades of good fastness to boiling and chlorine.

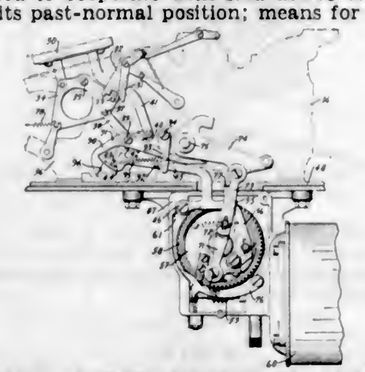
1,984,723

LOCKING MECHANISM FOR CALCULATING MACHINES

Friedrich W. F. Berger, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application February 24, 1933, Serial No. 658,363
In Germany March 24, 1932
4 Claims. (Cl. 235—130)

1. In a calculating machine adapted to be driven by a continuously running motor, the combination of a main operating shaft; a clutch mechanism intermediate the motor and the shaft; a device for normally retaining the clutch mechanism in its ineffective position; an element to maintain said device in its normal position; manipulative means to actuate said element for rendering said device ineffective; means controlled by said shaft for restoring said device past its normal position; a plurality of members adapted to cooperate with said device to retain it in its past-normal position; means for restoring said manipulative means to its normal position to thereby restore the element to its effective position; means operated upon restoration of said manipulative means to its normal position for releasing one of said members from said device; and means intermediate said shaft and another of said members and adapted to be operated by said shaft at substantially the end of the operation of the machine to release said last mentioned member from said device.

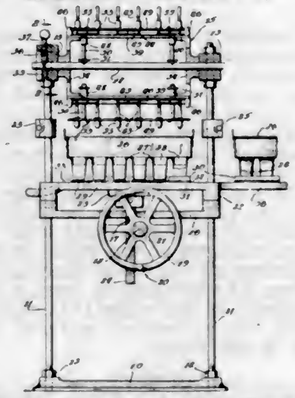


1,984,724

MACHINE FOR MAKING FROZEN CONFECTIONS

Rudolph G. Birr, Lombard, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois

Application March 25, 1933, Serial No. 662,706
13 Claims. (Cl. 107—8)



13. In a machine for making frozen confections, a rotatable head having a plurality of operating faces, each of which is adapted to receive a plurality of sticks, plates slidably mounted on said head for movement parallel to the sticks, guide means on said plates through which the sticks extend, removable abutment means on each plate adapted to engage a mold, and resilient means for holding the sticks in cooperative relation with the head and guide means.

1,984,725

TREATMENT OF CHLORINATED ISOBUTANE

Edgar C. Britton, Gerald H. Coleman, and Glenn W. Warren, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 14, 1932, Serial No. 647,178
20 Claims. (Cl. 260—156)

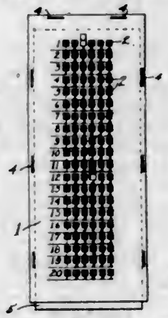
1. The method which comprises reacting tertiary-butyl chloride with an aqueous alkaline earth metal hydroxide to form tertiary-butyl alcohol.

1,984,726

SELF-GRADING DEVICE

John A. Brownlee, Wichita, Kans.

Application April 21, 1932, Serial No. 606,564
5 Claims. (Cl. 35—12)



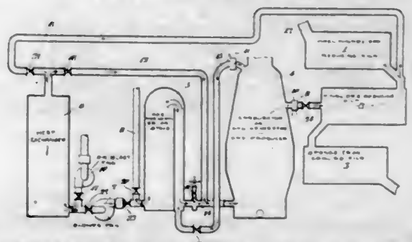
1. In a self grading device, a score sheet checkered on one side and having indicia on the opposite side of the sheet registering with certain checks selectively.

1,984,727

SPONGE IRON MANUFACTURE

William Darke Brown, Pittsburgh, Pa.

Application September 29, 1931, Serial No. 565,865
3 Claims. (Cl. 75—75)



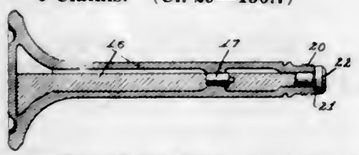
1. In the reduction of iron ore to sponge iron by passing preheated carbon monoxide containing reducing gases thereover, the method of maintaining a strong free flow of preheated gas substantially free from carbon dioxide and at a determined temperature approximating 2000° Fahrenheit in a reducing chamber which comprises withdrawing a proportion of the spent reducing gas from the ore reducing chamber, directing said withdrawn gas through a heat exchanger and thence through a gas preheater, forcing the gas from said preheater into a carburetor and back into said reducing chamber, directing air through said heat exchanger and into said carburetor, directing air from said heat exchanger into said gas preheater, forcing gas from said carburetor into said gas preheater and burning the same when mixed with said preheated air, exhausting the products of said combustion, and repeating the cycle of withdrawing a proportion of the spent

reducing gas from the ore reducing chamber, and directing it through said heat exchanger, said gas preheater, said carburetor and back into said reducing chamber.

1,984,728
METHOD OF MAKING HOLLOW HEAD VALVES

Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application February 19, 1931, Serial No. 516,882
6 Claims. (Cl. 29—156.7)

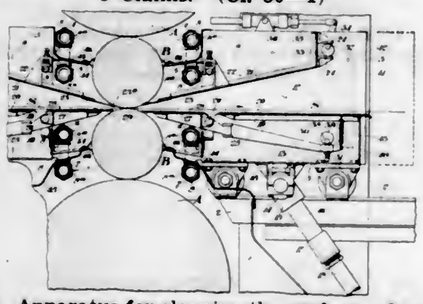


1. The method of making a valve which comprises forming a cup shaped blank with an enlarged bottom portion, the recess in the cup shaped blank also being large at the bottom portion, inserting a plug of soft metal into the recess in the cup, forging the blank to form a head and stem thereon, thereby forming the metal plug into a rod, drilling out the metal rod to leave a bore in the stem, reworking the metal of the stem to form a partition therein, boring an aperture in the partition and filling the stem beyond the partition with a fusible cooling medium, plugging the stem and reshaping the valve.

1,984,729
APPARATUS FOR CLEANING METAL WORKING ROLLS

Lawrence S. Dahl and John L. Peet, Gary, Ind., assignors to American Sheet and Tin Plate Company, a corporation of New Jersey

Application October 19, 1933, Serial No. 694,315
3 Claims. (Cl. 80—1)



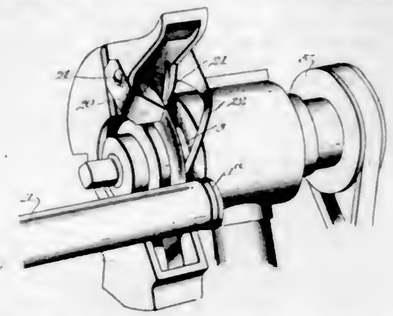
1. Apparatus for cleaning the surfaces of metal working rolls comprising a lever pivoted adjacent each of said metal working rolls and on either side thereof, a blade on the end of each of said levers and adapted to contact with said metal working rolls adjacent their line of pass, said blades being hollow-ground on their contact edges, a cam for moving each of said levers into and out of operative position, a leverage system for moving said cams in unison, a fluid cylinder for actuating said leverage system, and auxiliary blades for said metal working rolls.

1,984,730
RUBBER RING CUTTING MACHINE

Glen F. Darling, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application March 16, 1931, Serial No. 523,151
5 Claims. (Cl. 164—69)

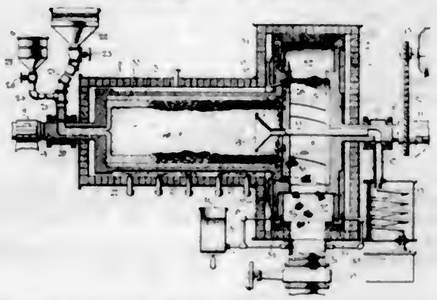
1. In a machine for dry cutting rings from a rubber tube, the combination of a rotary tube support, a rotary cutter, means for effecting relative movement between said support and cutter to cause the latter to sever a rubber tube on the support, and relatively stationary friction means bearing against both faces of the cutter adjacent its edge to remove particles of the tube material adhering thereto.



1,984,731
PROCESS OF VOLATILIZING MATERIALS

Ira H. Derby, Indianapolis, Ind., assignor to Peter C. Reilly, Indianapolis, Ind.

Application September 25, 1930, Serial No. 484,434
10 Claims. (Cl. 202—18)



1. The method of treating non-gaseous material having present components adapted to volatilize therefrom on heating comprising maintaining by centrifugal force against the inner wall of a heated retort a liquid body layer of a higher specific gravity than said material and substantially inert and non-reactive with respect thereto, said retort being provided with inlet and exit ends, feeding the material into the inlet end of the retort, advancing the material over the inner surface of the liquid body layer from the inlet to the exit end of the retort, maintaining the temperature of the liquid body layer within such a range as will cause at least a portion of the components of the material to volatilize, and discharging the so-treated material from the outlet end of the retort.

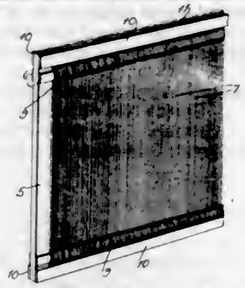
1,984,732
REED FOR LOOMS

Waldo H. Fish, Central Falls, R. I.

Application April 26, 1930, Serial No. 447,637
1 Claim. (Cl. 139—192)

A loom reed comprising dents accurately spaced at equal predetermined distances from each other, means rigidly joining the ends of said dents together and resilient dam means interposed between each dent inside of said rigid joining means, comprising resilient pitch impregnated cord

wound around metal ribs on each side of said dents near each end thereof with a coil between



each dent, whereby said dam means may prevent the soldering acid or flux from attacking the dents in use.

1,984,733
PREPARATION COMPRISING GLYCOL SOLUTIONS OF ALKALI METAL SALTS OF BARBITURIC ACID COMPOUNDS

John W. Forbing, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

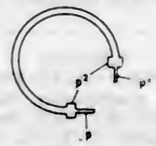
No Drawing. Application April 29, 1931, Serial No. 533,868
8 Claims. (Cl. 167—52)

1. As new compositions of matter, stable and sterilizable, substantially anhydrous preparations for medicinal purposes consisting of a substantially anhydrous glycol and dissolved therein an alkali metal salt of a compound of the barbituric acid series.

1,984,734
GAUGE TUBE

Joseph Barbe Fournier, St.-Mande, France

Application September 22, 1930, Serial No. 483,697
In France October 4, 1929
2 Claims. (Cl. 73—109)



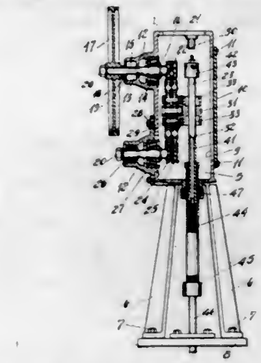
1. Manometric tube in which the torus shaped body of the tube, serving to actuate a needle or indicator element, is continued at each end by extensions integral with said torus and consisting of tubes having a capillary bore, the length of which is such that the closure or junction seams are situated at a sufficient distance from the torus so that the heat produced by the welding, soldering or seaming cannot affect the elasticity of the active portion of the tube.

1,984,735
PUMP DRIVING MECHANISM

John P. French, Alma, Mich., assignor of twenty-five per cent to Henry S. Babcock and twenty-five per cent to John S. Knoertzer, both of Alma, Mich.; Frank O. Parker administrator of said John P. French, deceased

Application November 7, 1932, Serial No. 641,684
7 Claims. (Cl. 74—37)

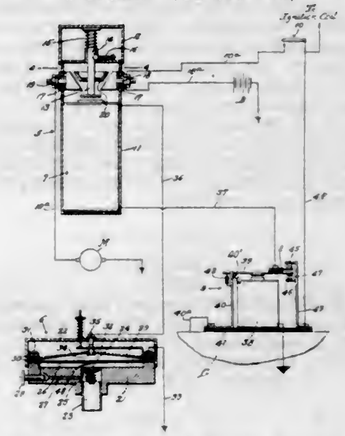
1. A pump driving mechanism including a leakproof housing provided with spaced apart vertical guide rods, a piston rod, a tubular rod adjustably connected thereto, a cross head mounted on the guide rods, driving mechanism engageable with said cross head, a piston adjustably mounted on said tubular rod and engageable by said driving mechanism, and means for actuating said driving mechanism for reciprocating said tubular rod.



1,984,736
STARTER SWITCH

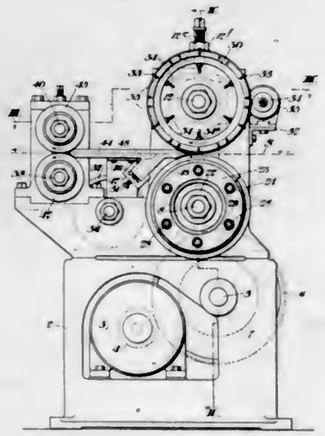
John Omeiga Garoutte, Webb City, Mo.

Application November 16, 1932, Serial No. 642,969
1 Claim. (Cl. 290—38)



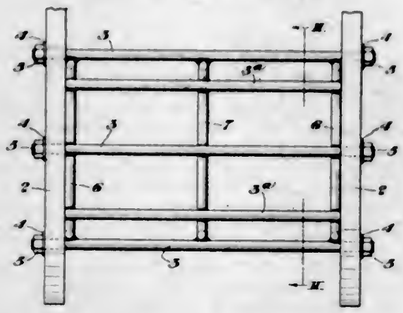
In a starter switch mechanism for an internal combustion engine, the combination with a battery, an electrically operable starting motor, a generator, a charging circuit between the generator and the battery, and a cut-out relay for said generator located in said charging circuit, means for electrically connecting the charging circuit to the starting motor, such means including an electro-magnetic switch, a switch arm carried by and insulated from the armature of the cut-out relay, a contact located in the battery side of the charging circuit and engaged by said arm when the relay is in inoperative position for breaking the charging circuit, a conductor leading from the switch arm to one terminal of the magnet of the electro-magnetic switch, a conductor leading from the other terminal of said magnet, circuit breaking mechanism operated by the vacuum in the engine for grounding the last mentioned conductor when said mechanism is in inoperative position and separating the conductor from ground when the engine is operated to produce a vacuum in such mechanism.

1,984,737
DIE MACHINE
William V. Gerster, McDonald, Ohio
Application November 13, 1933, Serial No. 697,829
5 Claims. (Cl. 164—99)



1. A die machine comprising, in combination, a rotary head having a plurality of radial apertures in spaced mathematical relationship, a die element in at least one of said apertures and protruding beyond the perimeter of said head, means for adjusting the radial disposition of said die element, a second rotary head mounted adjacent said first named head and having a continuous groove in which said die element is adapted to successively register, a knife adapted to shear the cut-out portions from the material being processed, and feed-out rolls for guiding the material from said machine.

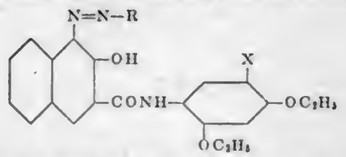
1,984,738
REEL
George A. Gleason, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 5, 1932, Serial No. 645,799
2 Claims. (Cl. 242—124)



1. In a reel, a pair of heads having a plurality of relatively small apertures, a spool portion comprising a plurality of bars, a number of which extend through the apertures in said heads, a supporting ring welded to said spool adjacent each of its ends, a supporting ring welded to said spool intermediate its ends and means for fastening the extended bars to said heads.

1,984,739
AZO DYE AND METHOD OF MAKING SAME
Ernest F. Grether and Lindley E. Mills, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 15, 1931, Serial No. 530,426
6 Claims. (Cl. 260—95)

3. An azo dyestuff having the formula



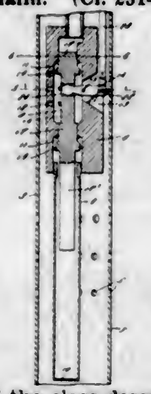
wherein X represents a halogen group and R represents an aromatic radical from a diazotized aromatic amino compound.

1,984,740
DENTAL CAST TRIMMER
Daniel L. Hall, Columbia, S. C.
Application October 2, 1933, Serial No. 691,897
4 Claims. (Cl. 164—41)



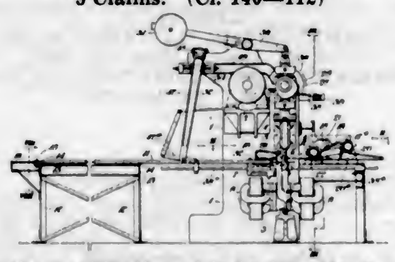
1. In a device of the class described, a cutting element and a base, the cutting element being connected to the base by a ball and socket joint, whereby cutting may be performed at various angles with respect to the base.

1,984,741
FLOAT OPERATED VALVE FOR OIL WELLS
Thomas W. Harrington, Kevin, Mont.
Application March 28, 1933, Serial No. 663,221
1 Claim. (Cl. 251—83)



In a device of the class described, a vertically arranged casing of elongated form and provided with a longitudinally extending bore which passes from the upper end of the casing through the lower end thereof, upper and lower parts of the walls of the bore forming valve seats, the upper seat being spaced below the upper end of the casing and the lower seat being spaced above the lower end of the casing, an intermediate part of the bore, between the seats, being enlarged to form a chamber, said casing having openings therein leading from the chamber through the side walls of the casing, one of the openings being enlarged, an elongated vertically arranged valve stem slidably arranged in the bore and having upper and lower valve parts thereon spaced from the ends thereof for engaging the seats when the stem is in raised position, said bore having reduced parts engaged by portions of the stem for guiding the stem in its movement, the lower end of the stem extending beyond the lower end of the casing, a lever pivoted in the enlarged opening and having one end engaging the stem, and a tube threaded in the lower end of the bore and having its lower end closed, with the extended lower end of the stem passing into the upper part of the tube, the upper end of the tube being engaged by the lower valve part for limiting downward movement of the valve stem, and said casing having a vertically arranged by-pass therein having its ends connected with the bore, the upper end communicating with the bore above the upper valve seat and the lower end with the bore below the lower valve seat.

1,984,742
ROD OR WIRE STRUCTURE FABRICATING MACHINE
Otto Hauck, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application February 9, 1933, Serial No. 655,989
5 Claims. (Cl. 140—112)



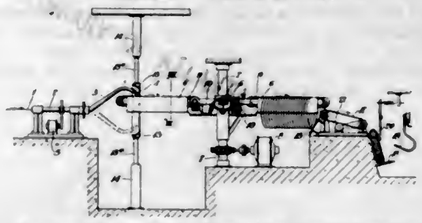
1. The combination of fastening means, means for feeding wires longitudinally to said fastening means, means for feeding wires to said fastening means at an angle to those fed from said first named feeding means, one or more reciprocative bars arranged adjacent the structure resulting from interfastening wires fed from said feeding means, means moved by said bar or bars for engaging and moving said structure, a rotative shaft and means including one or more eccentrics connected to said shaft for connecting the latter to said one or more reciprocative bars.

1,984,743
BUTTON
George A. Holmes, Newton Center, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 7, 1933, Serial No. 692,641
9 Claims. (Cl. 24—113)



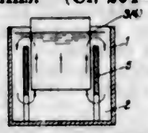
1. A button of the class described comprising, in combination, a top having a metal cap and a covering of flexible material, a back including a metal disk and a disk of material matching the covering material of the top and a sew-on loop passing through both parts of the back and held in assembly therewith, said metal disk having a portion thereof gripping and holding the sew-on loop firmly in position.

1,984,744
ROD HANDLING MACHINE
Clifford F. Hood, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original application October 17, 1932, Serial No. 638,263. Patent No. 1,945,898, dated February 6, 1934. Divided and this application October 9, 1933, Serial No. 692,873
4 Claims. (Cl. 242—79)



1. A machine including the combination of means to progressively deliver rod in concentric coils, arms arranged to move by a point adjacent said means and constructed to receive said coils when stopped thereat, reversing means operable to progressively move said coils along said arms while being received thereby, and means for bundling and removing said coils when said reversing means is oppositely operated, said bundling means being remotely arranged from the first named means and said arms being arranged for movement by a point adjacent thereto.

1,984,745
ELECTRODEPOSITION OF ZINC
Karl Kaizik, Breslau, Germany, assignor to the firm Georg Von Giesche's Erben, Breslau, Germany
Application August 8, 1932, Serial No. 627,961
In Germany April 21, 1931
8 Claims. (Cl. 204—5)



1. Apparatus for electro-deposition of zinc from aqueous solution containing manganese salts including lead anodes arranged in pairs to form double anodes and insertions extending at right angles to the electrodes and connecting the members of each double anode.

1,984,746
RAILROAD VEHICLE
Walter F. Kasper, Fairmont, Minn., assignor, by mesne assignments, to Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria
Application November 25, 1932, Serial No. 644,258
11 Claims. (Cl. 295—3)

7. Means for converting a pneumatic tired road vehicle into a track running vehicle comprising a frame adapted to be secured to the chassis and including pivoted side bars outside

of the pneumatic tires and a flanged track wheel secured to each side bar and having a running



surface in its inner face for supporting the adjacent pneumatic tire.

1,984,747

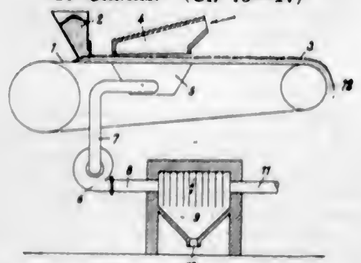
PROCESS OF AND APPARATUS FOR ROASTING AND SINTERING PULVERULENT SULPHURIFEROUS ORES

Hans Klencke, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application November 15, 1933, Serial No. 698,178

In Germany December 21, 1932

10 Claims. (Cl. 75—17)



1. A process for roasting and sintering pulverulent ores containing sulphur and volatile constituents which comprises igniting said pulverulent ores in conjunction with other fuels, passing the current of ore and excess roasting air through a layer which retains the solid constituents and contains incandescent reducing material in quantities sufficient at least for reducing and volatilizing said volatile constituents.

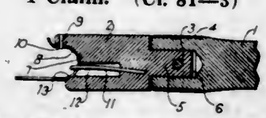
1,984,748

TOOL FOR ATTACHING SNAP FASTENERS

Carl L. Knutson, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application March 30, 1933, Serial No. 663,511

1 Claim. (Cl. 81—3)



A tool for attaching snap fasteners having a handle portion, a fastener-holding end portion provided with a recess to receive a portion of the fastener, a fixed pin extending into said recess at substantially a right angle to the axis of the tool for engagement in an aperture in a portion of a fastener entered into said recess and a yieldable pin extending into said recess on a line about parallel to the axis of the tool for engagement in another aperture in that portion of the fastener which enters the recess, said pins being adapted to hold the fastener in position and the yieldable pin being adapted to adjust itself toward and away from the fixed pin to compensate for differences in the distance between the apertures in the fastener member.

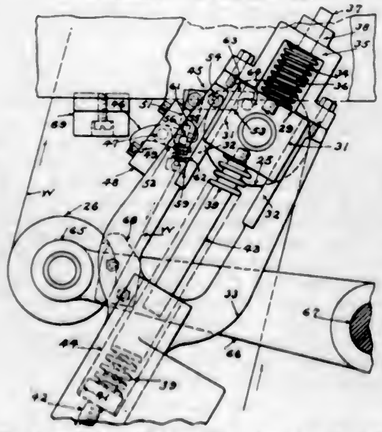
1,984,749

WEB ROLL CONTROLLING MECHANISM

Frederick Lamatsch, Grantwood, N. J., assignor to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application June 7, 1933, Serial No. 674,630

15 Claims. (Cl. 242—75)



1. In a web supply mechanism for a machine operating upon a web, means for rotatably supporting a web supply roll in feeding position, a roller around which the web is led, means for holding the roller in normal running position, and means for releasing the roller when excess web is fed from the supply roll.

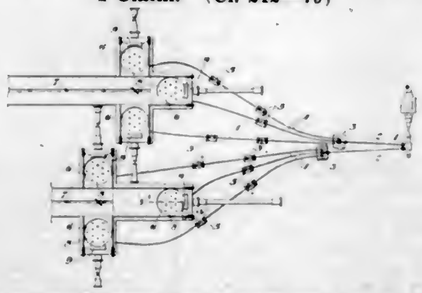
1,984,750

APPARATUS FOR HANDLING RODS

Frank W. Lorig, Lakewood, Ohio

Application December 31, 1931, Serial No. 584,270

1 Claim. (Cl. 242—79)



A rod-mill layout including a rod-bundle conveyer and a plurality of rod reels of the type having push-off members, said reels being grouped adjacent the receiving end of said conveyer in such arrangement that said push-off members are radially disposed respecting the loading point of the same and so that rod-bundles formed by any one of said reels may be pushed towards the loading point of said conveyer and the latter operated regardless of the sequence with which said reels are operated.

1,984,751

METHOD OF MAKING HOLLOW VALVES

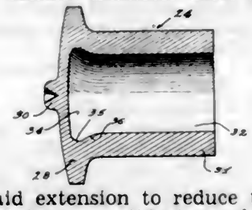
Eugene A. McBride, Daniel Kelleher, and Peter B. Lerch, Cleveland, Ohio, assignors to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Application November 28, 1932, Serial No. 644,660

10 Claims. (Cl. 29—156.7)

1. The method of making a hollow valve which comprises extruding a solid metal billet to form

a headed member having a hollow extension thereon of smaller diameter than the head and



working said extension to reduce the diameter thereof and form a solid stem while leaving a cavity in said head.

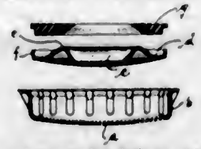
1,984,752

BOTTLE CAP

Charles E. McManus, New York, N. Y., assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York

Application May 31, 1930, Serial No. 458,167

7 Claims. (Cl. 215—40)



1. A bottle cap embodying therein a metal shell having a smooth top, and a skirt whereby it may be attached to a bottle, a metallic insert having therein a formed up ridge providing a recessed central portion and a channel adjacent said skirt, and a rim about the edge thereof engageable with the skirt of said shell, and a sealing ring within said channel having its outer edge in frictional contact with the inner surface of said skirt to hold the parts in assembled relation.

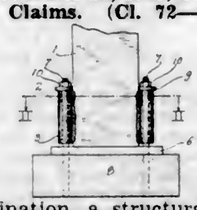
1,984,753

TUBULAR ANCHORAGE BOOT FOR STRUCTURAL COLUMNS

Herbert H. Moss, Brooklyn, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application November 14, 1929, Serial No. 407,244

8 Claims. (Cl. 72—72)



4. In combination, a structural steel column having parallel vertical flanges, and metal tubes having their axes parallel to said flanges and severally welded to the flanges adjacent the foot of the column.

1,984,754

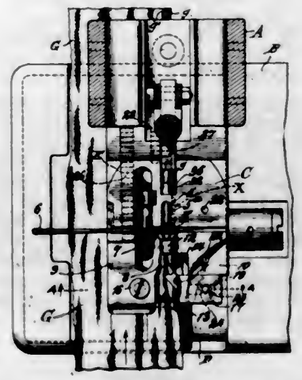
BLIND STITCH SEWING MACHINE

Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine

Application November 18, 1931, Serial No. 575,891

8 Claims. (Cl. 112—178)

1. In a blind stitch sewing machine, the combination with a stationary presser foot having an opening, of a feeding means cooperating with the foot to feed the material rearwardly, a stitch forming mechanism including a reciprocatory needle located above the foot and having its penetrating stroke in a plane extending across the line of feed, a ridge forming element for projecting a ridge of material upwardly through the opening of the foot and into the path of movement of the needle, the foot in



front of the opening thereof being provided with a rearwardly extending slot and with a groove in the under surface of the foot in communication with the opening and slot, and a hemmer located in the slot in front of the groove and including a core and a surrounding scroll respectively supported on the foot on opposite sides of the slot.

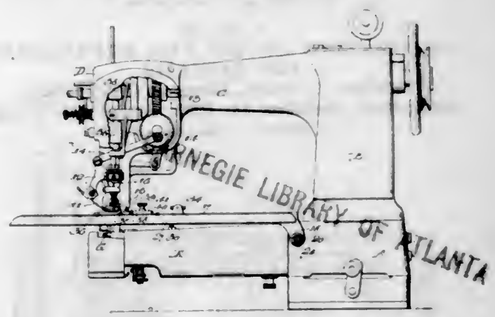
1,984,755

BLIND STITCH SEWING MACHINE

Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine

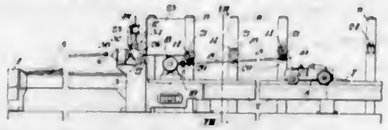
Application February 24, 1932, Serial No. 594,930

15 Claims. (Cl. 112—178)


CARNEGIE LIBRARY OF ATLANTA

1. In a blind stitch sewing machine, the combination with a stationary presser foot having a slot extending rearwardly from the front end thereof, of a feeding means co-operating with the foot to feed the material rearwardly, a stitch forming mechanism including a reciprocatory needle disposed above the slot in the foot, a hemmer located in front of the foot and having its nose directly in front of the slot in said foot, a ridge forming element for projecting a ridge of hemmed material upwardly through the slot in the foot and into the path of the needle, and means for supporting the hemmer for backward and forward adjustments relative to said slot.

1,984,756
TUBE HANDLING APPARATUS
John W. Offutt, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 29, 1933, Serial No. 704,569
4 Claims. (Cl. 205—3)

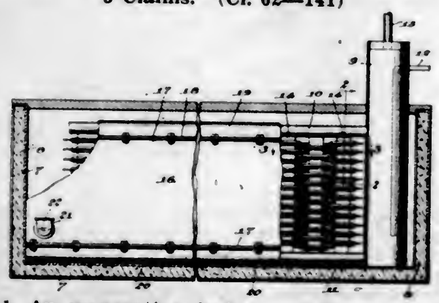


1. In combination with a tube drawing bench, a die, a mandrel rod for supporting a mandrel in the pass of said die, a plurality of helically grooved rolls mounted in progressively higher planes adjacent the chain of said tube drawing bench, the axes of said rolls being at substantial right angles with respect to the longitudinal axis of the bench, a power actuated roll adjacent said die, a movable idle roll mounted above said last named roll, means for moving said idle roll towards said power actuated roll, and means for rotating said first named rolls.

1,984,757
PROCESS OF DECOMPOSING THIOCYANIC ACID
Fritz Overdick, Leverkusen/Wiesdorf, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application May 14, 1931, Serial No. 537,508. In Germany June 5, 1930
2 Claims. (Cl. 23—119)

1. In the process of decomposing thiocyanic acid by means of a mineral acid the step which comprises heating the thiocyanic acid in the presence of sulfuric acid and ammonium sulfate which has been added before the reaction to a temperature between about 100 and 180° C. in an apparatus the corrodable parts whereof consist at least on the surface of chromium-nickel steel.

1,984,758
EVAPORATING DEVICE FOR REFRIGERATING SYSTEMS
William A. Owen, Johnson City, Tenn.
Application October 14, 1933, Serial No. 693,636
5 Claims. (Cl. 62—141)



1. An evaporating device comprising an upper and a lower header, a plurality of tubes connecting said headers, means for causing a flow of fluid in a direction transverse to the longitudinal axes of the tubes, each of said tubes having spaced apart portions of greater and less diameter, being formed to cleave the stream of oncoming liquid and for preventing cross currents in the rear of the tube, thereby providing for a uniform flow.

1,984,759
REFRACTORY MATERIAL
Bernard J. Patton, deceased, late of Cleveland, Ohio, by Josephine V. Patton, administratrix, Cleveland, Ohio
No Drawing. Application November 21, 1931, Serial No. 576,621
1 Claim. (Cl. 22—188)

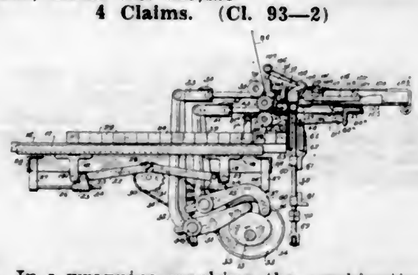
A refractory material for application to the hot-tops of ingot molds, consisting of from 8 to 10 per cent. chrome ore, 2 to 5 per cent. basic slag, 10 to 12 per cent. magnesite, 50 to 30 per cent. calcined fire clay, 10 to 15 per cent. plastic clay and 20 to 28 per cent. common fire clay.

1,984,760
PACKAGE
Theodore V. Quarnstrom, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 8, 1933, Serial No. 701,517
13 Claims. (Cl. 206—46)



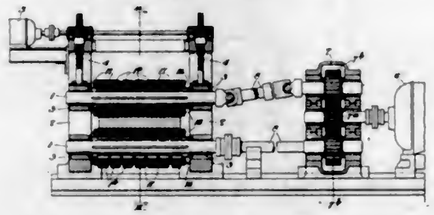
1. A package including the combination of a group of long pieces and a strand arranged beside said group with spaced portions forming half hitches holding the same together.

1,984,761
WRAPPING MACHINE
George D. Ratliff, Clinton, Miss., assignor to Pioneer Butter Wrapping Machine Company, Jackson, Miss., a corporation of Mississippi
Original application August 6, 1925, Serial No. 48,533. Divided and this application April 7, 1931, Serial No. 528,425
4 Claims. (Cl. 93—2)



1. In a wrapping machine, the combination of a conveyor for conveying objects to be wrapped into said machine, an elevator for raising each object to a wrapping mechanism, said mechanism comprising a source of paper supply disposed over said elevator whereby the elevated article is pressed against the underside of said paper, means for severing said paper, means for folding the opposite sides of the paper carried by the article upon the continued rise of the elevator a spring pressed gripper arranged above said elevator for holding the article upon descent of the elevator, a reciprocating cross-head having a horizontally disposed lip arranged adjacent the upper extremity of the elevator for folding the underside of the paper on the article, a second reciprocating cross-head disposed above the first mentioned cross-head and having a vertically disposed abutment flange for bearing against the article, the lower edge of said flange clearing the horizontally disposed lip of the first mentioned cross-head, and a latch element carried by the upper cross-head and adapted for cooperation with the spring pressed gripper for holding the article against the vertically disposed abutment flange, and means for releasing said latch element for permitting the article to move forwardly for completion of the wrapping.

1,984,762
DESCALER
Samuel S. Roberts, Pittsburgh, Pa.
Application May 24, 1933, Serial No. 672,693
9 Claims. (Cl. 29—81)

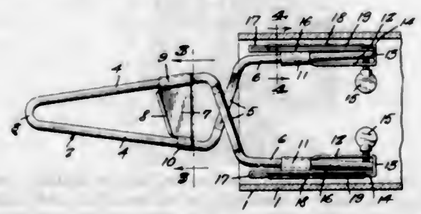


1. A descaler including a rotary mounting peripherally carrying circular elements having radially corrugated peripheral portions and being arranged in lateral rows with their axes substantially parallel to that of the mounting, said elements being arranged sufficiently closely to effect limited interengagement of their corrugations.

1,984,763
MANUFACTURE OF WURTZITE FROM ZINC BLENDE
Joachim Rockstroh, Cologne-Deutz, Friedrich Raspe, Leverkusen I. G.-Werk, and Heinrich Kircher, Leverkusen-Schlebusch, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application September 26, 1932, Serial No. 634,988. In Germany October 1, 1931
1 Claim. (Cl. 23—1)

Process of preparing wurtzite from zinc blende consisting in heating zinc blende with a small amount of a compound crystallizing in the wurtzite lattice but being chemically different therefrom.

1,984,764
RAZOR BLADE SHARPENER
Edward J. Scarlett, Oklahoma City, Okla.
Application July 5, 1933, Serial No. 679,120
4 Claims. (Cl. 51—218)

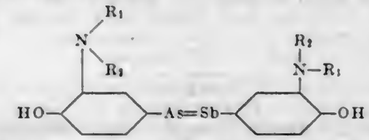


3. A device for the purpose set forth comprising a handle member having oppositely disposed terminals, sleeves mounted on said terminals, straps extending from the sleeves and adapted to receive blades, and securing devices mounted on said strap engaging the terminal members whereby to clamp the blades in place.

1,984,765
ARSENO-STIBIO COMPOUNDS AND MANUFACTURE THEREOF
Hans Schmidt, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 11, 1933, Serial No. 670,560. In Germany May 14, 1932
20 Claims. (Cl. 260—14)

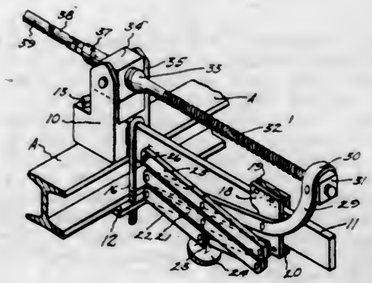
1. The process which comprises reacting an aminophenyl arsine with an aminophenyl stibine compound selected from the group consisting of aminophenyl stibine-oxides and halides, one of the reacting components being substituted in the amino group by an aliphatic group containing at least one hydroxy group, and subsequently reacting upon the arseno-stibio compound formed in the presence of water with a methane-sulfo derivative selected from the group consisting of formaldehyde-bisulfite and formaldehyde-sulfoxylate while neutralizing the reaction mixture.

17. Arseno-stibio compounds corresponding to the general formula:



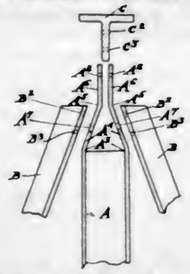
wherein one R_1 stands for a hydroxyalkyl group of 3 to 6 carbon atoms, the other R_1 stands for a methane-sulfo group selected from the group consisting of $NaO_3S—CH_2—$ and $NaO_2S—CH_2—$ groups and R_2 is hydrogen or a hydroxyalkyl group of 3 to 6 carbon atoms, which arseno-stibio compounds are yellow to brown substances, insoluble in alcohols, yielding neutral aqueous solutions which are suitable for injection.

1,984,766
MOTOR VEHICLE JACK
Loys R. Sessions and Joseph B. Black, Waxahachie, Tex.
Application July 22, 1933, Serial No. 681,732
10 Claims. (Cl. 254—86)



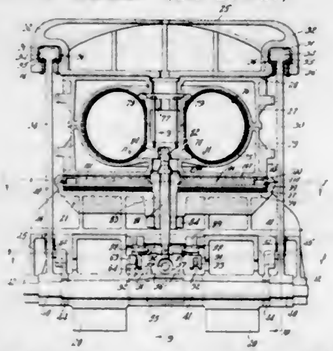
1. A motor vehicle jack comprising, a hanger bar, means for rigidly fastening said bar to the axle of a motor vehicle, a lifting member including a plurality of pivoted arms, one of which is pivoted at a fixed point on said bar, a carrier slidable on said bar, another of the arms of the lifting member being pivoted to the carrier and having an extension, and means for swinging said extension to slide said carrier and actuate said lifting member.

1,984,767
PLAYGROUND APPARATUS
Willard H. Shaffert, Boston, Mass.
Application May 31, 1932, Serial No. 614,548
2 Claims. (Cl. 189—36)



1. An apparatus of the class described, comprising spaced beams having their upper ends provided with terminal flanges bent to provide inclined portions and parallel spaced portions, a cross beam engageable between the parallel spaced portions, and brace bars having parts thereof secured in intimate engagement with the inclined portions of said beams.

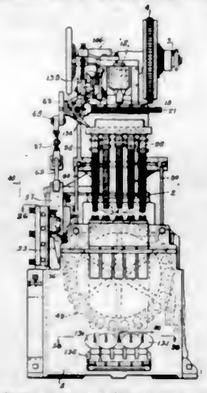
1,984,768
VULCANIZER
Florain J. Shook, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application October 8, 1931, Serial No. 567,530
7 Claims. (Cl. 18—17)



1. In a vulcanizer, the combination of a lower annular mold section, a complemental, hingedly mounted upper mold section, locking means exteriorly of the mold sections for securing them together, a work-lifting pin disposed axially of the mold sections, a center-pin comprising a journal for said lifting pin, the lower mold section being swiveled upon said center pin, means for adjusting the angular position of the lower mold section, and an expansible member below the lower mold section for urging it upwardly against the upper mold section when the vulcanizer is closed.

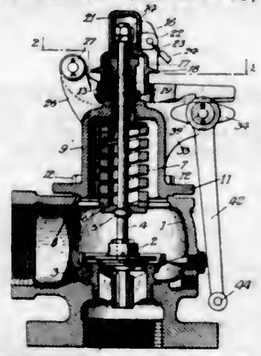
1,984,769
FILE TESTING MACHINE
Frederick Herbert Smith, Cranston, R. I.
Application December 28, 1933, Serial No. 704,314
12 Claims. (Cl. 73—51)

1. Comparative testing machine for files and the like, comprising a file holder having means for receiving a plurality of files with their axes parallel, said file holder being reciprocable, a test bar holder mounted to rotate in a plane parallel to the plane of reciprocation of said file holder, a circumferential series of test bars slidably fitting in bores in said test bar holder and slidable perpendicular to the plane of rotation of said test bar holder, said test bars having heads, independent feeding means for said test bars equal in number to that of the files which the machine has the capacity to test, slidable towards and from the plane of reciprocation of said files, said feeding means being provided at their ends with means for laterally receiving and passing the heads of said test bars as the test



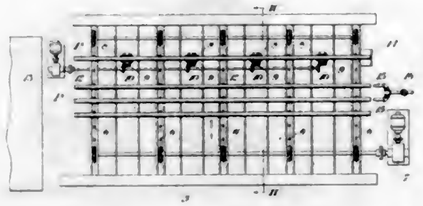
bar holder rotates, said last named means being constructed to engage the heads of said test bars for pushing and pulling, means for imparting step by step rotation to said test bar holder for advancing the test bars successively from one feeding means to another and with respect to said files, common means for retracting all said feeding means and means individual to said feeding means for advancing the test bars controlled thereby against said files with uniform pressure.

1,984,770
REVERSIBLE VALVE OPERATING MECHANISM
Alfred K. Sorensen, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 19, 1929, Serial No. 379,430
2 Claims. (Cl. 137—53)



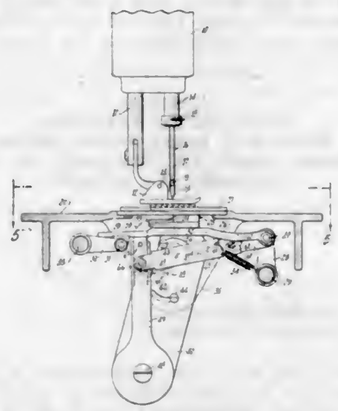
1. A valve structure including a valve body having a valve therein, a valve rod extending from said valve, a pivoted lever for actuating said valve rod and means for selectively securing said lever in any one of a plurality of initial positions with respect to said valve rod in the plane of said lever and means for selectively securing said lever in any one of a plurality of different planes independently of any movement of said valve rod.

1,984,771
METHOD OF TREATING TUBULAR PRODUCTS
Frank N. Speller, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application April 1, 1931, Serial No. 526,967
2 Claims. (Cl. 29—81)



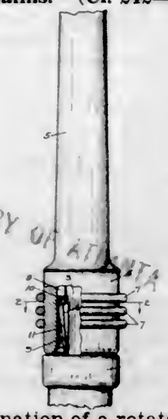
1. The method of conditioning pipe prior to descaling which consists in moving said pipe along a cooling table in a direction transverse of its longitudinal axis and at such speed that its outer surface is reduced by radiation to a temperature of approximately 1700 degrees Fahrenheit, and during the passage of said pipe along said cooling table supplying its interior with a liquid coolant in order to cool its interior to substantially the same temperature as the exterior thereof so as to facilitate the descaling of the interior in a subsequent operation.

1,984,772
COMBINED LOOPER AND LOOP CUTTING ATTACHMENT FOR SEWING MACHINES
Walter C. Stewart, Gastonia, N. C., assignor, by mesne assignments, to The Boysell Company, Gastonia, N. C., a corporation of North Carolina
Application June 23, 1931, Serial No. 546,381
5 Claims. (Cl. 112—79)



1. A tufting machine comprising a reciprocating needle and means for guiding a strand thereto, a work support, means for feeding the work thru the machine, a looper adapted to pass above the eye of the needle and between the needle and the strand carried by the needle, a throat plate for said machine, a feeder projecting thru the throat plate, means for actuating said feeder, and means connected to the feeder actuating means for actuating said looper.

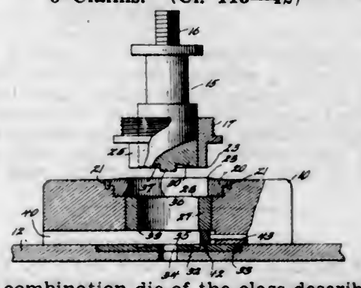
1,984,773
BOBBIN DRIVING MEANS
Wallace I. Stimpson, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 17, 1934, Serial No. 744,369
3 Claims. (Cl. 242—46.5)



CARNEGIE LIBRARY OF ATLANTA

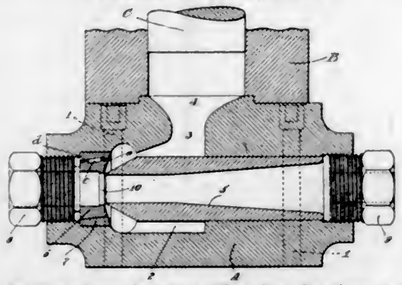
1. The combination of a rotatable spindle having a plurality of clutch segments which incline outwardly and upwardly away from the axis of the spindle, with a bobbin having a cylindrical metal bushing in a bore in the butt thereof, said bushing being provided with an inwardly projectng rib which extends axially of the bushing in position to be engaged by the side of one of said clutch segments to thereby provide a positive driving connection between said spindle and said bobbin.

1,984,774
DIE
Lawrence B. Stogner, Sr., Hartsville, S. C., assignor to Sonoco Products Company, Hartsville, S. C., a corporation of South Carolina
Application September 5, 1933, Serial No. 688,228
5 Claims. (Cl. 113—42)



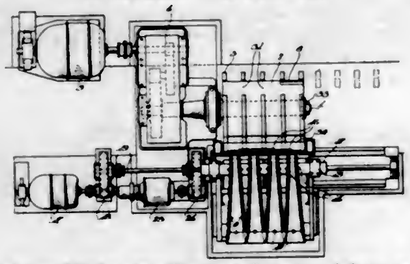
1. A combination die of the class described including, in combination: an upper die comprising an outer annular cutting member, an intermediate drawing punch provided with a substantially concave bottom surface; a lower die comprising an outer annular cutting ring, an intermediate drawing ring and a convex upwardly facing surface within said drawing ring adapted to cooperate with the concave bottom surface of said punch to temporarily apply a bulging strain to the article being formed, said drawing ring being provided with lower stripping edges; means for causing the several elements of said upper die to cooperate respectively with those of the lower die; and means below said stripping edges and above said convex surface for ejecting the formed article laterally.

1,984,775
ADJUSTABLE DIE
Ulysses S. Grant Swartz, Pennington, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application June 21, 1933, Serial No. 676,787
7 Claims. (Cl. 207—17)



2. A die comprising a die ring having a bore inclined vertically to the axis thereof, and an adjustable die having its exterior shaped to fit the die ring bore, whereby the die is adjusted vertically by its longitudinal movement.

1,984,776
MULTIPLE WINDING REEL
Howard H. Talbot and Walter W. McBane, Pittsburgh, Pa., assignors to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 22, 1932, Serial No. 624,010
12 Claims. (Cl. 242—78)



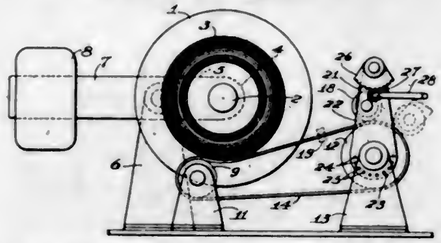
1. A multiple winding reel comprising a rotatable shaft, a winding drum thereon, annular guards for dividing the winding space on said drum and separating the coils formed thereon, traversing winding guides for the material being wound, and means for actuating said guards axially of said drum for removing coils therefrom.

1,984,777
PHOTO-ELECTRIC CELL
Adolph A. Thomas, New York, N. Y.
Application April 4, 1931, Serial No. 527,671
13 Claims. (Cl. 250—41.5)



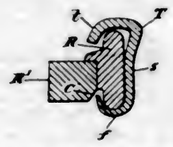
1. The combination of a photo-electric cell having an elongated flat envelope in which a plurality of sets of electrodes are mounted in spaced alignment in the direction of the flatness of said envelope, each set of electrodes including an anode, a control element and a light-sensitive cathode, and an elongated electric light bulb separate from said cell and mounted in close parallel relation to said cell for simultaneously illuminating all of said cathodes.

1,984,778
UNCOILER
Ernest E. Tross, Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 12, 1933, Serial No. 665,691
10 Claims. (Cl. 242—78)



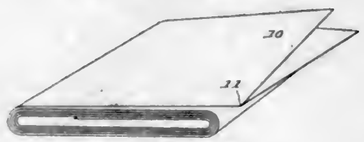
1. An apparatus for uncoiling coils of permeable metal strip comprising a disc-shaped magnet for gripping the ends of a coil mounted for rotation about an axis perpendicular to its coil-engaging surface, and means for pulling the strip from the coil.

1,984,779
TRAVELER
Philip C. Wentworth, Providence, R. I.
Application April 11, 1934, Serial No. 720,089
5 Claims. (Cl. 118—61)



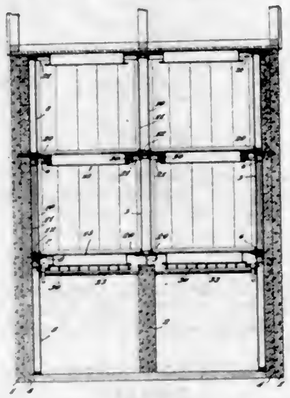
1. For use of a vertical twister ring machine wherein a rail has an under counterbore, a traveler of greater thickness than the rail counterbore in its top flange, and a relatively thinner foot having its point adapted to be disposed in the zone of said bore when on the ring.

1,984,780
WAX PAPER PACKAGE
Bertram E. Baker, Boston, Mass.
Application March 22, 1934, Serial No. 716,790
2 Claims. (Cl. 206—58)



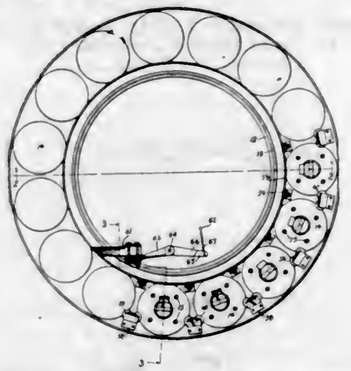
1. As a new article of manufacture, a dispensing package for wrapping paper comprising a carton having an opening through which a sheet may be drawn and having a cutter blade adjacent said opening, and a roll of wrapping paper wound in said carton and arranged to be withdrawn through said opening, the paper sheet of said roll being unprovided with preformed transverse tearing lines and being folded along a line extending longitudinally thereof whereby the sheet may be withdrawn through said opening in its folded condition in multiple layers, said carton having a length only slightly greater than the width of said folded sheet.

1,984,781
BUILDING HEATING
Albert F. Bemis, Newton, Mass., assignor to Bemis Industries, Incorporated, Boston, Mass., a corporation of Delaware
Application August 5, 1931, Serial No. 555,312
9 Claims. (Cl. 237—69)



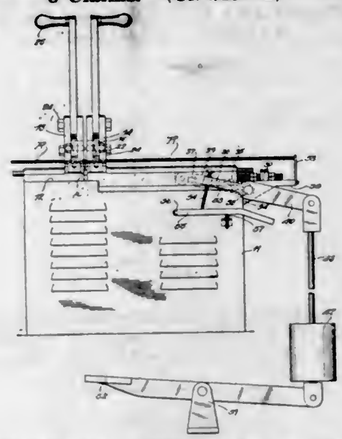
1. Building structure of the class described comprising metal wall, floor and ceiling sheets, the floor and ceiling sheets, affording substantially continuous metallic surfaces with an area susbtantially coextensive with the area of a room, the wall sheets being in heat conductive relation to the floor and ceiling sheets, and heating elements associated with said sheets adjoining the lower part of the room, whereby the interior of the room may be heated by heat radiation from all of said sheets, the temperature of the sheets adjoining the lower part of the room being greater than that adjoining the upper part so that the interior of the room is also heated by convection currents.

1,984,782
HEATING APPARATUS FOR GRIDDLES
Harry Russell Brand, New York, N. Y.
Application August 3, 1929, Serial No. 383,239
5 Claims. (Cl. 219—19)



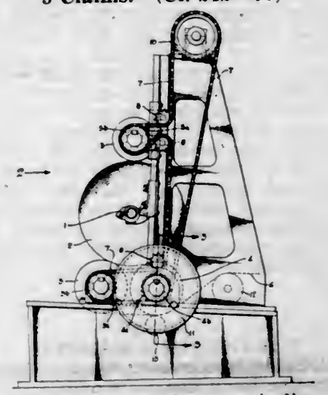
2. In combination a griddle plate providing a plurality of cake baking spaces, the plate being formed with a region of reduced thickness in each space, a heating element for each space, and thermostats for controlling said elements respectively, said thermostats being located in said regions of reduced thickness.

1,984,783
ELECTRICALLY SEVERING STRANDED WIRE STRUCTURE
Gorman C. Burd, Adrian, Mich., assignor to American Cable Company, Inc., New York, N. Y., a corporation of Delaware
Application October 20, 1931, Serial No. 569,935
8 Claims. (Cl. 219—1)



7. The method of severing an article of the class described, which comprises the steps of heating to plasticity a definite short length of the same, at the same time stretching the said definite short length as it assumes a state of plasticity to an extent short of pulling it apart, then, without further elongation of the said length, applying to it sufficient heat to fuse it in the region of its smallest diameter.

1,984,784
WINDING MACHINE
James A. Cameron, Brooklyn, N. Y., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application June 14, 1930, Serial No. 461,104
5 Claims. (Cl. 242—66)



1. In a winding machine, a winding shaft to be frictionally driven by means that engage the surface of flexible material accumulated thereon, two surface winding rollers spaced apart and rotatable in the same direction to support, in the valley between them, said winding shaft, one of said winding rollers being frictionally driven by the material being wound, and having circumferential grooves in its surface that are devoid of abrupt corners, means to positively

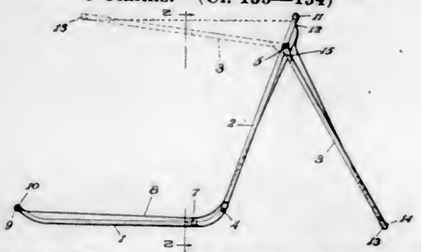
drive the other roller, and means to guide a web to the frictionally driven roller and thereafter to the winding shaft.

1,984,785
ELECTRICAL CONDENSER
Arnold Deutschmann, Dorchester, Mass.
Application July 24, 1931, Serial No. 552,986
4 Claims. (Cl. 175—41)



1. In combination with an electrical condenser, a single wire element permanently connected at its ends to the condenser electrodes respectively.

1,984,786
CHAIR
Henri Dujardin, Rye, N. Y.
Application September 2, 1930, Serial No. 479,279
6 Claims. (Cl. 155—154)



1. A chair comprising a seat frame, a back frame and a canopy frame, all of said frames being pivotally connected, and a flexible member attached at its ends to the seat frame and to the canopy frame and attached intermediate its ends with a limited amount of slack to the upper part of the back frame whereby a portion of said flexible member forms a canopy and the effective length of said member from the upper part of the back frame to its attachment to the front of the seat frame being less than the combined lengths of the seat and back frames from the said points of attachment of said member, whereby said member is tensioned by an occupant sitting in the chair upon another portion of said member.

1,984,787
TOOTHBRUSH HANDLE
William S. Elliot, Northampton, Mass., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass., a corporation of Delaware
Application May 8, 1933, Serial No. 669,949
1 Claim. (Cl. 15—143)

A necklace tooth brush handle, comprising a head portion and an elongated handle portion substantially oblong in cross section, said head and handle portions having a continuous taper extending substantially throughout their combined length in the direction of the free end of the handle portion, and said handle portion having longitudinal concavities in its top and bottom faces defined by straight longitudinally extending raised side edges, said concavities tapering gradually and continuously in width from

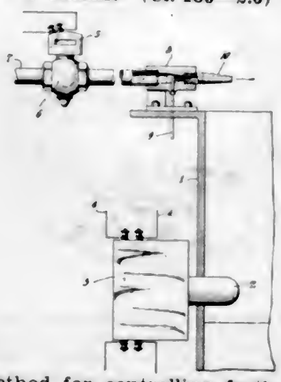


the head end of the handle portion to the opposite end thereof, whereby the handle portion is relatively thinner and narrower than the head portion.

1,984,788
TREATMENT OF TEXTILE MATERIALS MADE OF OR CONTAINING ORGANIC DERIVATIVES OF CELLULOSE
George Holland Ellis and Ralph Charles Storey, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 5, 1931, Serial No. 535,297. In Great Britain July 10, 1930
9 Claims. (Cl. 28—1)

1. Process for reducing the lustre of filaments, yarns, ribbons, fabrics and like materials comprising cellulose acetate, comprising treating said materials at high temperatures with a monohydric phenol in concentration not greater than that of a deci-normal solution.

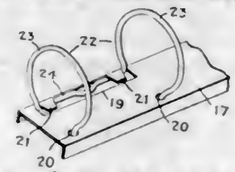
1,984,789
SUPPRESSION OF FROTH OR SCUM ON LIQUIDS
John Everett, Lyndhurst, England, assignor to Standard Brands Incorporated, New York, N. Y.
Application December 7, 1932, Serial No. 646,143
In Great Britain June 10, 1932
5 Claims. (Cl. 183—2.6)



1. A method for controlling froth formation upon liquids undergoing treatment which comprises positioning a photo-electric cell above the liquid subject to foaming or froth formation,

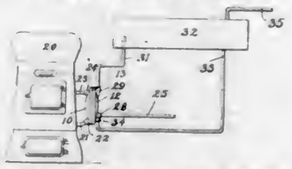
passing light from a source above the body of the liquid to the said cell, said cell and said light source being so positioned that the rising foam on the liquid is adapted to cut-off or intercept light passing to the cell, intercepting the passage of light to the said cell by the said foam and causing the operation of means connected to the said cell which is operated by the said light interception for breaking up of froth upon the said liquid in response to actuation of the said cell.

1,984,790
BOOK
Henry N. Feley, East Orange, N. J.
Application January 26, 1933, Serial No. 653,591
7 Claims. (Cl. 281—25)



1. A permanently bound book having in combination, front and rear covers, a connecting portion, a collection of sheets having a plurality of apertures along their binding edges, an inverted channel-shaped binder plate secured to said connecting portion, a plurality of longitudinally extending apertures along the top surface of one edge of said binder plate, a plurality of openings adjacent the opposite edge of the top surface of said binder plate and spring sheet-holders having a pair of ring-portions passing through said apertures in the sheets and a portion connecting said rings together, the connecting portions passing through said longitudinally extending apertures in said binder plate and engaging the plate and the free ends of said ring-portions passing through said openings in said binder plate and engaging the plate, and means retaining said connecting portions within said longitudinally extending apertures.

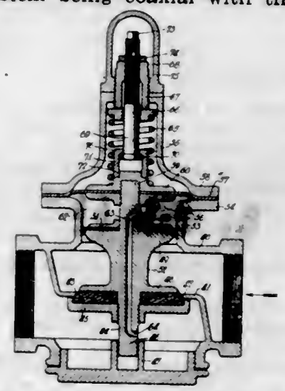
1,984,791
WATER HEATER
Walter S. Finken, New York, N. Y.
Application March 3, 1934, Serial No. 713,800
15 Claims (Cl. 257—248)



1. A hot water heater comprising a pair of united dished casings secured together with their concave surfaces facing one another to form a water chamber, and a diaphragm flexed to concavo-convex form and held under tension and located between the casing members and dividing the interior of the chamber into separate water passages.

1,984,792
REGULATING VALVE
Thomas B. Ford, New York, N. Y.
Application October 25, 1930, Serial No. 491,141
1 Claim. (Cl. 50—23)

A pressure reducing valve including a body having an inlet and an outlet therein and a valve seat between the inlet and outlet, a valve coacting with said seat, a bonnet rising from the top of the body and having a threaded opening in its upper end, an internally and externally threaded bushing coaxially disposed with respect to the bonnet and adjustable in the threaded opening through the top thereof, a coiled spring also coaxial with the bonnet, acting on the valve to move it in one direction and reacting against the bushing, an externally threaded stem, said bushing having a reduced threaded portion in which the stem is adjustable, said stem being coaxial with the bonnet



and bushing and spring and adapted to limit the opening of the valve against action of the spring, the threaded upper end of said rod extending outwardly through the bushing and means for locking the adjustable elements in position and rendering them tamper-proof, including a nut screwed onto the threaded end of the stem and locking it against adjustment and a cap screwed onto the threaded exterior of the bushing and against the top of the bonnet, said cap concealing said bushing and projecting rod end and protecting them against tamper.

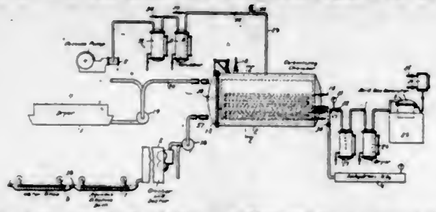
1,984,793
PROCESS FOR THE PRODUCTION OF IRON AND PORTLAND CEMENT IN A BLAST FURNACE
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 14, 1931, Serial No. 568,708. In Germany November 15, 1930
6 Claims. (Cl. 75—17)

1. A process for the production of Portland cement and pig iron in a blast furnace, which comprises admixing a lime material and iron ore proportioned in the quantities required to yield during furnacing a slag having a uniform composition of a Portland cement, forming the admixture thus obtained into briquettes, charging the said briquettes into a blast furnace, sintering the briquetted mass in said furnace with the production of Portland cement through heating thereof by means of an air blast enriched in oxygen, and then melting the mass through continued heating whereby the formed Portland cement separates from the iron as a slag.

1,984,794
CARBONIZATION OF WOOL
Howard D. Gordon and William W. Gordon, Hazardville, Conn.
Application May 11, 1933, Serial No. 670,500
10 Claims. (Cl. 8—12)

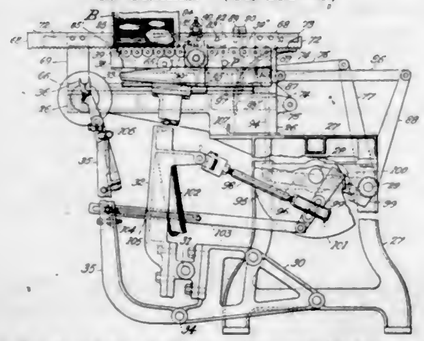
10. The improvement in the treatment of raw wool for the removal of foreign matter of vege-

table origin which comprises heating and drying the wool to reduce its normal moisture content, subjecting the dry wool at a moderately elevated temperature to the action of hydrochloric acid gas free from moisture and inert gaseous dilu-



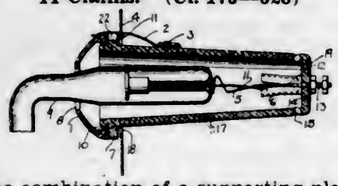
ents for a period of time sufficient to convert the vegetable matter to a dry friable state, and thereafter neutralizing the acid gas with anhydrous ammonia gas while continuing the exclusion of moisture.

1,984,795
AUTOMATIC BINDER FEED FOR CIGAR MACHINES
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application December 19, 1933, Serial No. 703,147
55 Claims. (Cl. 131—5)



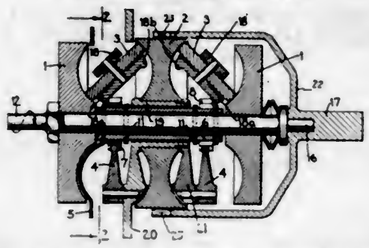
1. In a cigar machine, the combination with a magazine adapted to receive a stack of cut bunch binders, of means for removing the binders one by one from said stack and wrapping them about filler charges, said means operating to remove the binders from the bottom of said stack.

1,984,796
NEON ELECTRODE HOUSING
Asger Hansen, Houston, Tex.
Application March 30, 1931, Serial No. 526,277
11 Claims. (Cl. 173—328)



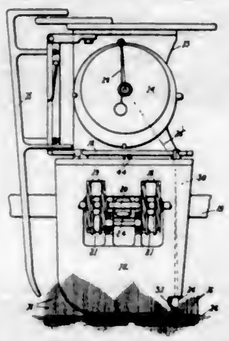
1. The combination of a supporting plate having openings therein, a neon light housing shaped to extend through one of said openings from the forward side thereof, a flange on said housing to engage the forward side of said plate, latching means on said housing comprising spring arms adapted to be forced outwardly and to automatically engage the margin of said opening and secure said housing in said opening, and a closure cap for the outer end of said housing, adapted to engage and be held in position by said latching means.

1,984,797
VARIABLE SPEED POWER TRANSMISSION MECHANISM
Frank A. Hayes, Middletown, N. J.
Application August 9, 1933, Serial No. 684,361
In Great Britain August 12, 1932
7 Claims. (Cl. 74—200)



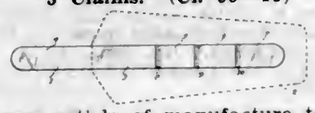
1. In a power transmission mechanism, in combination, co-axial torus disks, an interposed precessing friction roller and a rockable roller-carrier movable in one direction to cause precession of the roller toward a predetermined speed-ratio position, a yielding stop actuated by such precession of the roller, and means actuated by the yield of the stop to move the carrier in a direction to cause precession away from said predetermined speed-ratio position.

1,984,798
TEXTILE APPARATUS
William Howarth, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application May 23, 1933, Serial No. 672,379
In Great Britain June 10, 1932
8 Claims. (Cl. 139—13)



1. Weft-stop mechanism for a circular loom, comprising weft inserting means between which and the warps there is relative circular motion, a feeler on said weft inserting means, said feeler being urged into contact with weft proceeding to the fell of the fabric but restrained by the weft, and a member under control of aid feeler adapted to be propelled through one warp sheet on release of the feeler in consequence of breakage or slackening of the weft in order to cause the operation of means disposed outside the warps for bringing to an end relative circular motion between the weft-inserting means and the warp threads.

1,984,799
HANDLE AND CORE FOR FROZEN CONFECTIONS
Irving E. Jacobson, Portland, Oreg.
Application June 20, 1932, Serial No. 618,271
3 Claims. (Cl. 99—16)



1. A new article of manufacture to be used with a product of the class described, comprising a one-piece body-element forming a handle and a core for said product, the core portion being divided into a plurality of removable sections by perforation crimps disposed transversely within the body-element and in spaced relationship with each other.

1,984,800
ELECTROMAGNETIC SPEAKER
Jack Jensen, Oakland, Calif.
Application April 25, 1929, Serial No. 357,936
6 Claims. (Cl. 179—115.5)



6. A sound reproducer comprising a magnetic circuit having an annular air gap, a sound coil in said gap, and means for applying a different flux density to various portions of said coil around the circumference thereof.

1,984,801
MOVING STAIRWAY
David Leonard Lindquist, Hartsdale, Arthur Edward Handy, Lynbrook, and Samuel Gustave Margles, Brooklyn, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application February 10, 1933, Serial No. 656,086
7 Claims. (Cl. 198—15)



3. In a moving stairway; driving means therefor including a driving motor; a plurality of safety devices for the stairway, each operable to stop the stairway in the event an abnormal condition arises therein; stopping means for stopping the stairway under normal conditions; and means responsive to stops caused only by the operation of said safety devices for causing said motor to act as a dynamic brake and assist in stopping the stairway.

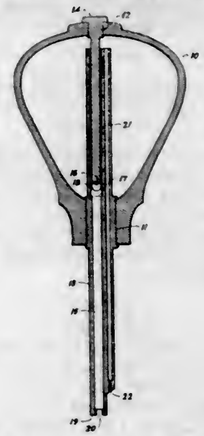
1,984,802
MEANS FOR MINING STREAMS
Ellis Mallery, Altadena, Calif.
Application May 25, 1932, Serial No. 613,467
3 Claims. (Cl. 61—2)

1. Equipment of the character described, for removing a flow of water from a stream bed, comprising: a conduit member consisting of a tubular wall of flexible material, the forward end of said conduit member being adapted to receive a flow of water from said stream; an inlet member connected to the forward end of said conduit member, said inlet member being adapted to hold the mouth of said conduit



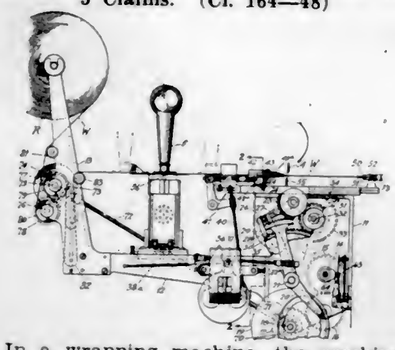
member open and to sink the same to the stream bed; a cable spanning said stream bed forwardly of said conduit member; and lines connecting between said inlet member and said cable to hold said conduit member in position.

1,984,803
BATTERY FILLER
Glenn T. Marlowe, Vallejo, Calif., assignor to Standard Stations, Incorporated, San Francisco, Calif., a corporation of Delaware
Application April 10, 1933, Serial No. 665,323
5 Claims. (Cl. 226—39)



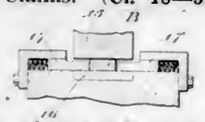
1. A battery filler and liquid level regulator, comprising a resilient bulb, a stem secured in one end of said bulb and extending outwardly therefrom, a passage in said stem extending from the outermost end thereof and communicating with the interior of said bulb, a valve in said passage, valve operating means in operable relation to the resilient wall of said bulb, a vent tube adjacent said stem, extending from a point spaced inwardly from the outermost end of said stem, and communicating with the interior of said bulb at the end opposite to that in which the said stem is secured, said bulb being adapted to create a suction to draw in liquid until air is admitted through said vent tube.

1,984,804
REGISTERING WEB FEED FOR WRAPPING MACHINES
Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application October 27, 1933, Serial No. 695,527
5 Claims. (Cl. 164—48)



1. In a wrapping machine, the combination with a main web-feeding mechanism, of a photo-electrically controlled auxiliary web-feeding device for periodically presenting the leading end of the web of wrapping material to said mechanism, whereby cumulative errors in the feed of the web are avoided.

1,984,805
PROCESS FOR MAKING TOOTHBRUSH HANDLES
Frederic A. Pankhurst, Bethesda, Md., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass., a corporation of Delaware
Application June 20, 1933, Serial No. 676,668
7 Claims. (Cl. 18—55)



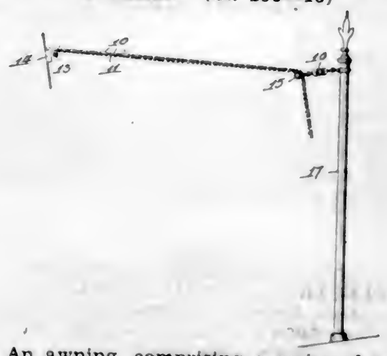
1. The process for manufacturing tooth brush handle blanks formed of plastic material which comprises, forming an individual handle blank having sides perpendicular to its top and bottom faces, and compressing the blank to produce a convex bulge extending continuously along its side edges.

1,984,806
GASKET FOR PIPE JOINTS AND CLAMPS
George H. Pfefferle, Bradford, Pa., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Application June 3, 1933, Serial No. 674,161
11 Claims. (Cl. 288—1)



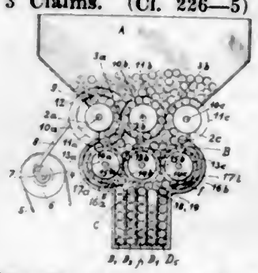
1. A packing gasket for pipe joints having portions provided with an armor helix comprising continuous metallic coils substantially in contact with each other and co-operating with contiguous gasket material in intimate contact therewith to protect the gasket from disintegration by attacking liquids, said coils maintaining this relation at all times and particularly when the gasket is in operative position within the pipe joint to function for the purpose intended.

1,984,807
AWNING
John F. Platte, South Gate, Calif.
Application March 23, 1934, Serial No. 717,009
3 Claims. (Cl. 156—16)



3. An awning, comprising a series of parallel slats, chains secured to the under or inner faces of said slats, one end of said awning adapted to be fastened to a fixed support the other end portion of the awning adapted to be supported on a rail and fastening means passing around said rail and secured to said chains.

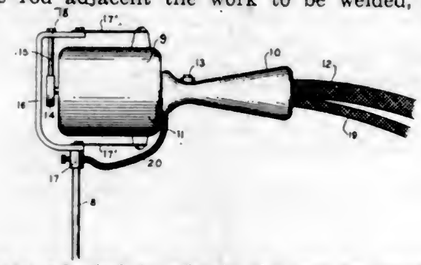
1,984,808
METHOD OF CONVEYING CIGARETTES THROUGH CIGARETTE-PACKING MACHINES
Vladimir Dmitrijevič Popov, Prague-Bubenec, Czechoslovakia
Application January 20, 1933, Serial No. 652,649
In Czechoslovakia June 13, 1932
3 Claims. (Cl. 226—5)



1. In a cigarette packing machine, a storage container for cigarettes, a plurality of vertical feed passages below said container, a row of rollers between said storage container and said passages and spaced from one another and from the entrance openings of said passages a distance slightly greater than the diameter of a cigarette, means for conveying cigarettes from the storage container to said rollers, and means for rotating said rollers back and forth.

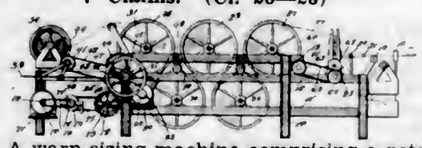
1,984,809
ELECTRIC ARC WELDING APPARATUS
Frederick L. Re Qua, San Francisco, Calif., assignor to Steel-Weld Equipment Corporation Ltd., San Francisco, Calif., a corporation of California
Application September 15, 1930, Serial No. 481,922
8 Claims. (Cl. 219—8)

3. An electric arc welding apparatus comprising an alternating current arc welding circuit including a welding rod, means for supporting the rod adjacent the work to be welded, and



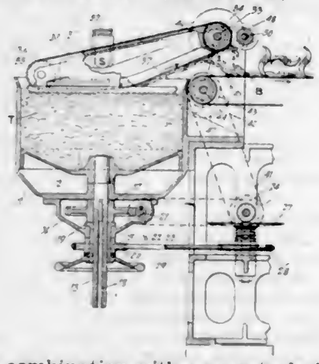
means adapted to vibrate the rod in synchronism with the current alternations.

1,984,810
MACHINE FOR OPERATING ON TEXTILE THREADS
Robert Robertson, Pawtucket, R. I.
Application November 14, 1933, Serial No. 697,910
7 Claims. (Cl. 28—28)



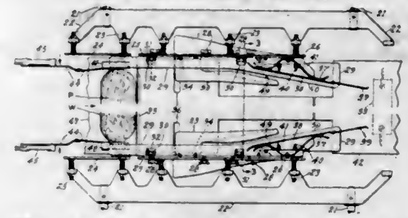
5. A warp sizing machine comprising a rotary means on which to wind the warp, rotary means having a slip-friction connection with and adapted to transmit rotation to the first means, and rotary heated means anterior to the first means resisting advance of the warp, a rotary driven element driving the second and third means, a constantly rotating driving element, low-speed means to transmit rotary motion from the driving to the driven element including an overrunning clutch, high speed means connected to transmit rotary motion to said driven element, and means for selectively rendering said high speed drive operative or inoperative.

1,984,811
PNEUMATIC FEED FOR SCRAP BUNCH MACHINES
Rupert E. Rundell, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application February 15, 1934, Serial No. 711,302
13 Claims. (Cl. 131—39)



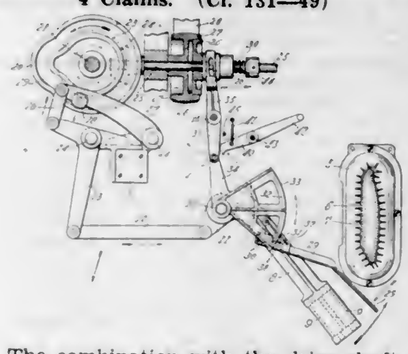
1. The combination with a receptacle for scrap tobacco, of a suction box overhanging said receptacle and having a perforated bottom resting on top of the tobacco in the receptacle and adapted to be connected to a source of suction, an endless reticulated belt traveling over the bottom of said box to pick up tobacco from said receptacle, and means for driving said belt.

1,984,812
MACHINE FOR WRAPPING RYE BREAD
Frank Reinhold Schmitt, Queens Village, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application July 2, 1930, Serial No. 465,427
17 Claims. (Cl. 93—2)



1. The combination with means for tucking the rear side only of a wrapper encircling an article, of mechanism for simultaneously folding the overhanging end-flaps of the wrapper adjacent the top and forward sides of the article downwardly over the ends thereof and then folding the downwardly hanging flaps thus formed over on the bottom of the article, a device for sealing the ends of the wrapper, and means for moving the article from the tucking means through the folding means to the sealing device.

1,984,813
SAFETY DEVICE FOR CUTTER ROLLERS OF CIGAR MACHINES
Walter H. Schussler, Philadelphia, Pa., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application October 25, 1932, Serial No. 639,465
4 Claims. (Cl. 131—49)

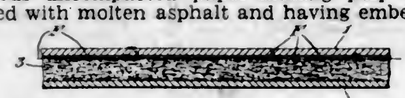


1. The combination with the drive shaft of a cigar machine, of a clutch device for driving said shaft, a cutting bed, means driven from said shaft and cooperating with said cutting bed to cut a leaf-section from a wrapper leaf on said bed, mechanism actuated by an obstruction on the cutting bed to disengage said clutch device, and automatic means for locking the clutch device in disengaged position.

1,984,814
COMPOSITE MATERIAL
John P. Sherman, Gorham, Maine
Application September 5, 1933, Serial No. 688,156
6 Claims. (Cl. 154—50)

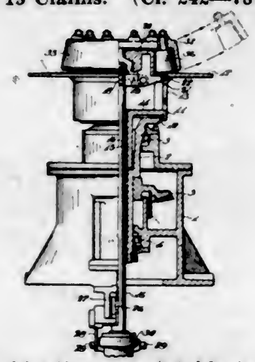
1. In a laminated sheet for a pliant waterproof building or like material, an internal ply of highly

porous uncompacted paper-making pulp saturated with molten asphalt and having embedded



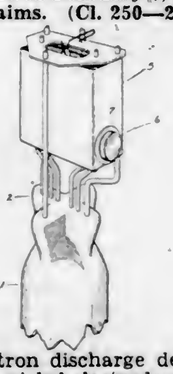
in it spaced reenforcing strands substantially as described.

1,984,815
VERTICAL STRIP REEL
John A. Smitmans, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 6, 1933, Serial No. 679,149
15 Claims. (Cl. 242—78)



2. In combination, a rotatable table for supporting a coil, an expansible reel that is movable into and out of frictional engagement with said table for rotation thereby, frictional driving means for said table, and means for controlling the position of said reel and its expansion.

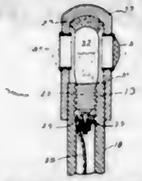
1,984,816
VACUUM TUBE
Percy L. Spencer, Medford, Mass., assignor to Raytheon Production Corporation, Cambridge, Mass., a corporation of Delaware
Application June 3, 1929, Serial No. 367,947
Renewed February 7, 1934
3 Claims. (Cl. 250—27.5)



1. In an electron discharge device, an evacuated envelope, a nickel electrode of extended area within said envelope, and a getter consisting solely of ferrocerium directly secured to said electrode.

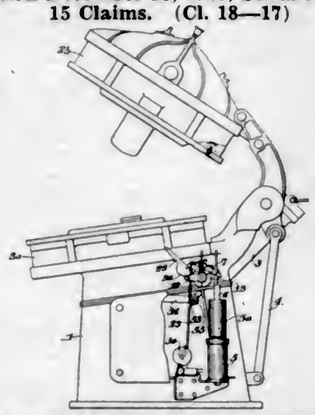
1,984,817
PARKING LIGHT
Robert M. Stein, Baltimore, Md.
Application November 21, 1933, Serial No. 698,949
2 Claims. (Cl. 240—8.22)

1. In a parking light assembly, an upright member, illuminating means at the upper end of said member, the lower end of said member being bent laterally and to provide a horizontally extending attachment bracket, there being slots extending through said bracket and designed for registry with slots provided in the conventional license plate bracket of a motor vehicle, said illuminating means consisting of a bulb of low



amperage threadedly receivable within the upper end of the said upright member, a housing member for housing said bulb, a resilient member interposed between said bulb and housing member, openings adjacent the bulb positioned in forwardly and rearwardly directions and lenses covering said openings.

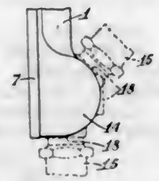
1,984,818
APPARATUS FOR THE VULCANIZATION OF RUBBER TIRES AND THE LIKE
John R. Stricklen and Samuel A. Fraine, Akron, Ohio, assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application December 16, 1929, Serial No. 414,302
15 Claims. (Cl. 18—17)



2. In apparatus of the character described, the combination with a treater chamber, mechanism for automatically closing and again opening the chamber according to a predetermined time schedule, and means for admitting pressure to the interior of the chamber, of means responsive to said pressure for holding the chamber against opening movement, including a vertically disposed cylinder, a piston therein having a rod extending upwardly out of the cylinder, a fluid pressure connection between the chamber and the lower end of the cylinder, means including a handle for manually setting the said mechanism into operation and means connected with the said rod for locking the handle against motion, comprising a lever having angular movement and bearing near one end a cross-pin, a handle portion pivotally mounted upon the upper end of the rod, the said portion being provided with a slot opening to one side to receive the cross-pin and spring means acting upon the handle portion tending to press the latter toward the cross-pin, the relation of the said lever, the cross-pin thereon, the handle portion and the slot being such that engagement between the cross-pin and the slot is normally

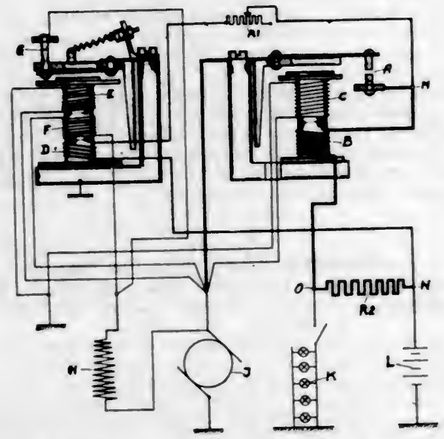
maintained throughout, but may be broken when the piston is in its lower position and cannot be broken when the piston is in its upper position.

1,984,819
THERMOMETER AND METHOD OF MAKING THE SAME
Erich Bandoly, Rochester, N. Y., assignor to Instrument Companies, Rochester, N. Y., a corporation of New York
Application May 13, 1932, Serial No. 611,143
11 Claims. (Cl. 29—148)



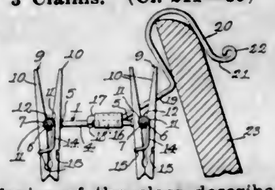
2. A stage in the method of manufacturing a thermometer which comprises making a scale case provided with an imperforate enlargement in the form of a convex shell, making an opening in said shell at any desired point of several possible points thereon determined by the desired angular relation between said case and a protecting stem, and attaching said protecting stem to said shell in registry with said opening.

1,984,820
REGULATOR AND CUT-OUT RELAY FOR DYNAMOS
Jakob Bohli, Solothurn, Switzerland
Application May 2, 1933, Serial No. 669,018
In Germany May 13, 1932
2 Claims. (Cl. 171—313)



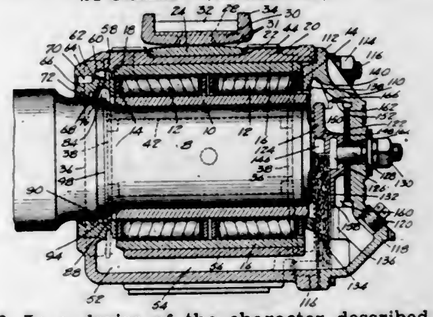
1. In a generator battery charging system, in combination a dynamo, a regulator, a battery, a cut-out relay, a series winding of said cut-out relay, a series winding of said regulator, these two windings being arranged between the dynamo and the point to which said battery is connected in parallel to each other, load-devices in series with the series winding of the cut-out relay, a constant resistance arranged between said battery and said load devices, said load devices being arranged between the series winding of the cut-out relay and said constant resistance, which is in series with the latter.

1,984,821
SERVAL DRIER
Earl R. Boruff, Detroit, Mich.
Application June 18, 1934, Serial No. 731,199
3 Claims. (Cl. 211—89)



1. In a device of the class described, a frame comprising inner and outer rods, and end rods connecting the inner and outer rods, the inner and outer rods projecting beyond the end rods to form fingers, grips pivotally mounted on the fingers, suspension hooks, and means for connecting the suspension hooks to the end rods, for folding into approximately parallel relation to the frame.

1,984,822
JOURNAL BOX
Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 26, 1930, Serial No. 431,455
24 Claims. (Cl. 308—80)

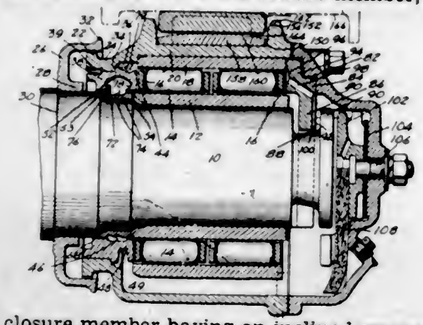


22. In a device of the character described, a housing having a lubricant reservoir, a shaft extending into the housing, a bearing between the shaft and the housing, a closure member between the shaft and the housing and having an extension projecting into the housing, the closure member being secured to the housing and there being a space between the extension and the housing beyond said bearing, the end of the extension having a guide face for the bearing, and the extension being spaced from the shaft and interposing an imperforate obstruction between the reservoir and the bottom portion of the shaft; substantially as described.

1,984,823
JOURNAL BOX
Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 29, 1930, Serial No. 448,240
7 Claims. (Cl. 308—80)

1. In a device of the character described, a shaft, a housing enclosing a portion of the shaft and supporting the shaft for rotation, a closure member for sealing the space between the shaft and the housing, the closure member having an internal drain groove receiving lubricant from the shaft, the closure member having a trap groove extending inside of the drain groove and open

outwardly towards the drain groove to receive lubricant therefrom, the trap groove fading out at the lower portion of the closure member, and



the closure member having an inclined cross wall below said terminus of the trap groove; substantially as described.

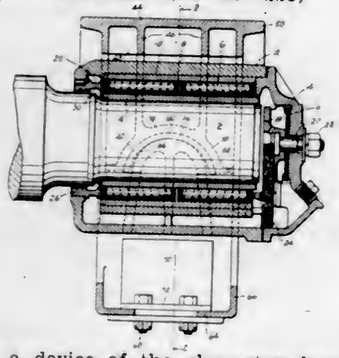
1,984,824

JOURNAL BOX AND FRAME CONNECTION

Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 5, 1931, Serial No. 579,257

4 Claims. (Cl. 105—223)



1. In a device of the character described, a journal box, an axle journalled in the box, the opposite sides of the box having lateral projections whose upper surfaces are curved longitudinally of the box, a yoke clearing the top of the box and having side legs at opposite sides of the box, a bottom wall connecting the legs, the legs having internal projections whose lower surfaces overlie the box projections and are curved longitudinally of the box, one set of surfaces being concave and the other convex, and a retaining member detachably carried by the bottom wall of the yoke and having a clearance with the bottom of the box, the clearance being less than the depth of the concavity, and the retaining member being shiftable out of retaining relation to the box while supported by the bottom wall; substantially as described.

1,984,825

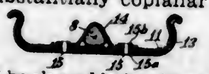
THERMOMETER

H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application May 13, 1932, Serial No. 611,104

1 Claim. (Cl. 73—52)

In a thermometer, a vitreous enamel back, a thermometer tube, said back having pairs of openings at each side of said tube, the edges of said openings being tapered, a plurality of clasps engaging the front of said tube, the ends of said clasps having openings in registry with the openings in said back, and hollow rivets extending through the openings in registry, the head of each rivet being substantially coplanar with the rear



surface of said back and being in engagement with the vitreous covering at the tapered edges of the openings in said back and the other end of said rivet being peened against the material of the clasp as a washer.

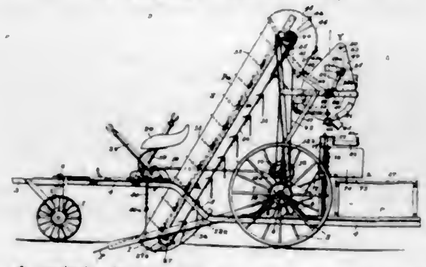
1,984,826

MACHINE FOR HARVESTING POTATOES AND THE LIKE

William G. Bunker, Augusta, Maine

Application July 13, 1933, Serial No. 680,273

11 Claims. (Cl. 55—51)



1. A potato harvesting machine comprising in combination with a plowshare and two tractional wheels and an interconnecting axle fixed at its respective ends to said wheels, an inclined elevating conveyor including two transversely spaced endless link-belt chains, a plurality of sets of tines revolubly mounted on said chains, each set extending, in evenly spaced order, from one chain to the other, a separator mounted rearwardly of said conveyor, adapted to swing in a pendulum-like manner, said separator including a feed platform, a swinging feed-box superjacent said feed platform, a plurality of separator fingers pivotally and yieldingly mounted in said separator, a stop element, tensioning means adapted to normally hold said separator fingers in engagement with said stop element, and means co-acting with said tines to advance said feed-box.

1,984,827

COVERED RACK FOR DOORS

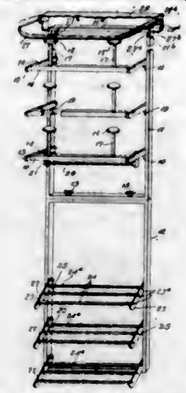
Harry Derman, Laurelton, Long Island, N. Y.

Application October 19, 1934, Serial No. 749,031

5 Claims. (Cl. 312—4)

1. A rack for supporting shoes, hats and neckties, said rack comprising an elongated, rectangular frame adapted to be mounted upon the surface of a closet door to cover the major portion of the surface area thereof, the upper end portion of the frame having vertically spaced supporting members normally collapsible within the boundaries of the frame, hat supporting pins detachably mounted on said members, the lower supporting member having means for supporting neckties in connection therewith, the other or lower end portion of the frame having vertically spaced shoe supporting members normally contained within the boundaries of the frame, said supporting members being extensible into angular positions with respect to the frame at the outer or exposed surface thereof, means within the boundaries of the frame engaging the supporting members to support the same in the desired angular position

with respect to said frame, and said frame serving to space the upper and lower supporting mem-



bers in a fixed and widely spaced relationship with respect to each other.

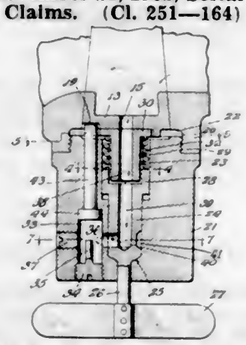
1,984,828

TRAIN PIPE VALVE

Alexander E. Fornwalt, Johnstown, Pa.

Application November 21, 1932, Serial No. 643,758

7 Claims. (Cl. 251—164)



1. A valve for train pipes including a casing, a plug rotatable therein, means operable by fluid pressure in the pipe for locking the plug in open position, a control valve individually movable manually to one position for bleeding the pipe and exhausting fluid pressure behind said means for releasing the plug, and means operatively connecting the control valve with the plug whereby when the plug is turned to closed position the control valve will be turned by the plug to a position for admitting fluid pressure behind said means when the plug is next turned to open position.

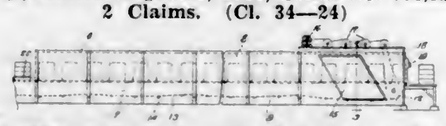
1,984,829

BALE DRIER

Joseph Henry Fulmer, Nazareth, Pa.

Application August 3, 1933, Serial No. 683,526

2 Claims. (Cl. 34—24)



1. The method of curing baled green forage crops, consisting in providing an oven, and an endless carrier operating through the oven, placing the bales to be dried on the carrier in predetermined spaced relation with each other, the bales being of a size with respect to the oven, to retard the passage of hot air through the oven, and finally subjecting the bales to the action of hot air forced through the oven at high velocity.

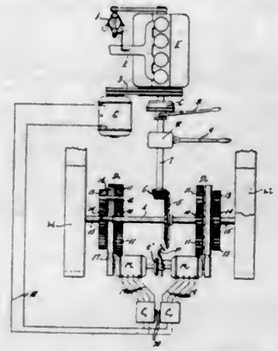
1,984,830

VEHICLE DRIVE

Frank R. Higley, Cleveland Heights, Ohio

Application May 5, 1933, Serial No. 669,495

13 Claims. (Cl. 180—17)



2. In a vehicle of the class described and having an engine and a pair of traction means, one at each side, to be driven thereby, a generator driven by said engine, a pair of motors, one for each traction means, adapted to have drive from said generator, a pair of differential mechanisms each having an input element driven by one of said motors and an output element connected to one of said traction means, each differential mechanism having a second input element, means for simultaneous mechanical drive of said second differential input elements from said engine, and, for each motor, means for controlling its drive from said generator.

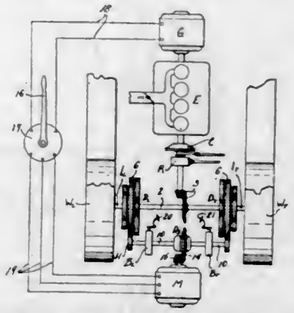
1,984,831

VEHICLE DRIVE

Frank R. Higley, Cleveland Heights, Ohio

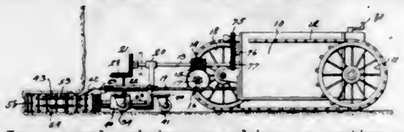
Application May 5, 1933, Serial No. 669,496

12 Claims. (Cl. 180—17)



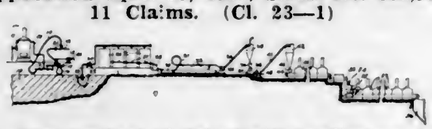
3. In a vehicle having an engine and a pair of traction means, one on each side, a generator driven by the engine, a motor arranged to have drive by said generator, for each traction means a driving differential mechanism having a pair of input elements one connected with said engine, driving connection from said motor to the second input elements of said differential mechanisms, and means for controlling said driving connections to interrupt the driving effect of either independent of the other.

1,984,832
COAL MINING MACHINE
David Howell, Huntsville, Pa., assignor of one-fourth to Samuel Francis, Edwardsville, Pa., one-fourth to Richard Powell, Fortyfort, Pa., and one-fourth to Lee Welker, Wilkes-Barre, Pa.
Application July 27, 1933, Serial No. 682,497
5 Claims. (Cl. 262—28)



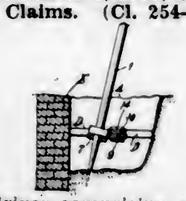
1. In a coal mining machine, a cutter comprising an annular core, plates disposed on opposite side faces of the core and having inwardly extending slits, cutters insertible into said slits and having shanks insertible into the core, and means for holding said shanks detachably engaged with the core.

1,984,833
PROCESS AND APPARATUS FOR DEHYDRATING SALINE PRODUCTS
Clarence W. Jones, Thomas Joseph Murray, and George F. Andersen, Okanogan, Wash.
Application April 13, 1932, Serial No. 604,914
11 Claims. (Cl. 23—1)



1. In a method of dehydrating saline crystals, the steps of partially air drying said saline crystals, melting the partially air dried saline crystals, pressing the melted mass and then dehydrating the same by the application of heat.

1,984,834
PIPE PUSHING TOOL
Joseph Peter Koenig, Kalamazoo, Mich.
Application November 4, 1933, Serial No. 696,647
5 Claims. (Cl. 254—29)

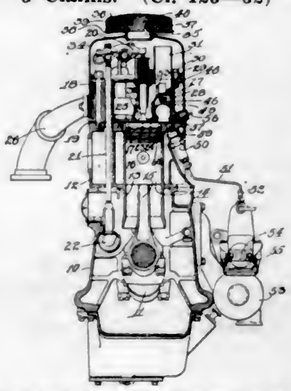


3. A pipe driver comprising a handle, a cross bar at one end of the handle, and a pair of ground-engaging spikes projecting from said bar and upon which the bar and handle can fulcrum in engaging and driving a pipe.

1,984,835
METHOD OF MAKING TOOLS
Hans Kohl, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
No Drawing. Application September 6, 1932, Serial No. 631,860. In Germany September 9, 1931
4 Claims. (Cl. 51—280)

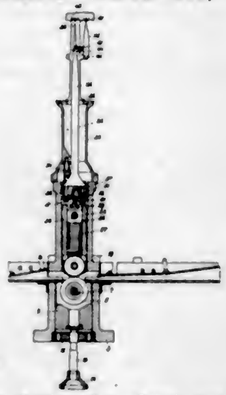
2. The method of making porous tool bodies of the class described, consisting in taking finely ground substantially pure aluminum oxide, treating said oxide solely with diluted hydrochloric acid to form a plastic mixture, shaping said tool bodies from said mixture, drying said bodies to remove said acid, and sintering said bodies at a temperature below 1600° C.

1,984,836
DIESEL ENGINE
Oscar C. Kreis, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of New Jersey
Application November 27, 1931, Serial No. 577,492
3 Claims. (Cl. 123—32)



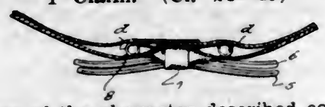
1. In an internal combustion engine, removable air inlet means, and removable means comprising a pre-combustion chamber accessible upon removal of said air inlet means, said inlet means serving to retain said removable means in operative position.

1,984,837
MEASURING APPARATUS FOR ROLLED MATERIAL
Rudolf Kronenberg, Haus Kronenberg, Germany
Application August 27, 1929, Serial No. 388,831
In Germany June 10, 1929
1 Claim. (Cl. 33—147)



A measuring device for sheet material comprising a casing having a vertical bore in its upper part and a vertical guideway in its lower part alined with the bore, said bore and guideway being separated by a horizontal work-receiving recess in the casing, a bearing block mounted in the guideway, a lower roller journaled in the bearing and projecting at its periphery into the work-receiving recess, a tubular member vertically slidable in the casing bore, an upper roller journaled in the lower part of the tubular member to project its periphery into the work-receiving recess to coact with the lower roller, a bearing member in the upper part of the tubular member and fixed to the casing, a spring in the tubular member compressed between the lower part of the tubular member and the bearing member and normally tending to press said tubular member downward to press the upper roller against the material carried by the lower roller so that variations in the thickness of the material cause a corresponding movement of the tubular member in the casing bore against the action of the spring, and indicating means actuated by the movement of the tubular member in the casing bore.

1,984,838
TIE CLASP
Eugene Howell Martin, Akron, Ohio
Application July 31, 1933, Serial No. 683,076
1 Claim. (Cl. 24—49)



A clasp of the character described comprising a strip of spring metal having its end portions bent inwardly to provide oppositely disposed legs and outwardly to provide tensioning members, the free ends of the outwardly disposed portions being rolled inwardly to provide substantially circular loops adapted to bear against the oppositely disposed leg portions.

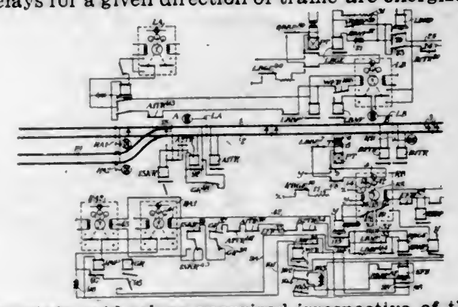
1,984,839
IDENTIFICATION MEANS FOR TOOLS
Guy Leslie Murray, Leeds, England, assignor of one-half to Neville Ryland Davis, London, England
Application November 7, 1933, Serial No. 697,066
In Great Britain May 21, 1932
8 Claims. (Cl. 40—2.2)



1. A tool having a shank provided with a portion of reduced diameter and a plurality of recesses formed therein, and a distinctive colouring substance applied to each recess, the shank of the tool protecting the colouring substance against abrasion by virtue of the location of such substance in the portion of reduced diameter.

1,984,840
RAILWAY SIGNAL SYSTEM
James A. Parkinson, Topeka, Kans.
Application December 17, 1931, Serial No. 581,546
14 Claims. (Cl. 246—33)

1. A railway signal system including, a stretch of railway track arranged in track sections, signals located at intervals for governing traffic in one direction through the stretch and other signals located at intervals for governing traffic in the other direction through the stretch, a directional relay for each signal adapted when energized to clear said signal, circuit means to control the directional relays arranged to effect the energizing of the relays associated with the signals governing traffic in a given direction only when each track section is unoccupied and each signal governing traffic in the opposite direction is at stop, and means effective when the directional relays for a given direction of traffic are energized



to retain said relays energized irrespective of the traffic conditions of the track sections.

1,984,841
AGENT FOR POLISHING, SHARPENING, AND GRINDING ARTICLES OF GREAT HARDNESS
Reinhold Reichmann, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
No Drawing. Application May 25, 1933, Serial No. 672,808. In Germany May 30, 1932
4 Claims. (Cl. 51—279)

4. An abrasive material consisting principally of sintered beryllium oxide of a high degree of purity.

1,984,842
DOORCHECK
Alex Rose, Cleveland, Ohio
Application June 17, 1932, Serial No. 617,804
3 Claims. (Cl. 292—16)

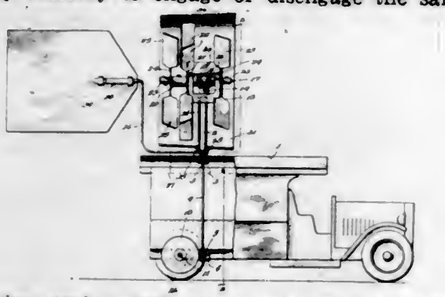


1. A latch assembly for hinged garage doors and the like comprising in combination with a plunger latch: a housing adapted to be secured to a support adjacent the door, a cradle secured to said housing, a slotted bolt mounted for snug sliding movement in said cradle, said cradle being provided with means engaging in the bolt slot for limiting the longitudinal sliding movement of the bolt, a spring in rear of said bolt for normally urging it toward latching position, the latch extremity of said bolt being formed with an arcuate end surface, said housing being apertured adjacent the arcuate extremity of the bolt, said plunger latch being secured to the door and having an enlarged head adapted to retract and be releasably engaged by said bolt.

1,984,843
TOY
Gustav Schoenfeld, Great Falls, Mont.
Application April 17, 1934, Serial No. 721,018
4 Claims. (Cl. 46—48)

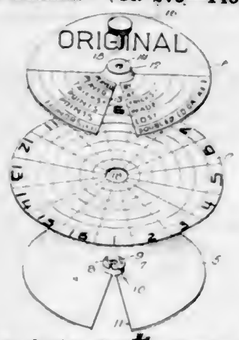
1. A toy comprising a mobile body, a shaft mounted vertically in the body, gearing at the lower end of the shaft for transmitting rotation of the shaft to wheels on the body, a lever disposed transversely to the body and mounted thereon at one end and supporting the lower end of the shaft, the free end of the lever being

engageable in notches provided therefor in the body whereby to engage or disengage the said



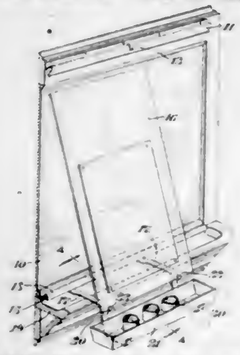
gearing, and propellers supported at the upper end of the shaft and operatively connected therewith for rotating the same.

1,984,844
SCORING DEVICE FOR DUPLICATE GAMES
Harold W. Slauson, Scarsdale, N. Y.
Application November 7, 1933, Serial No. 697,025
6 Claims. (Cl. 273—148)



1. A scoring device for duplicate games consisting of a base having a segmental aperture and an upstanding central boss, engaging means on the top of the boss, a disk having a segmental aperture, separate means for clamping the base and disk together, means for maintaining the base and disk with their apertures in predetermined relative positions, and a scorecard held between the base and disk.

1,984,845
ATTACHMENT FOR BLACKBOARDS
Howard L. Smith, Port Washington, N. Y., and Lester N. Neulen, West Englewood, N. J.
Application April 25, 1932, Serial No. 607,252
12 Claims. (Cl. 35—15)

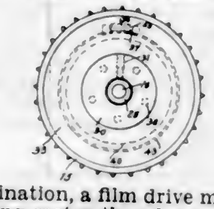


1. In combination with a blackboard, a strip extending along the lower edge of the blackboard, and brackets detachably connected to said strip, said brackets being provided with means to receive the bottom edge of a leaf to support the same in inclined position with its top edge engaging said blackboard.

1,984,846
IGNITION COMPOSITION
Charles P. Spaeth, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 13, 1933, Serial No. 693,476
3 Claims. (Cl. 52—2)

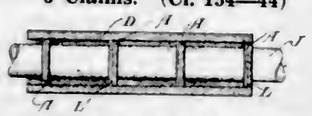
1. An ignition charge for an initiator, said charge comprising tetramethylene diperoxide dicarbamide.

1,984,847
FILM SAFETY CUT-OUT FOR MOVING PICTURE MACHINES
John L. Spence, Jr., New York, N. Y., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y., a corporation of New York
Application February 3, 1932, Serial No. 590,651
7 Claims. (Cl. 88—17)



1. In combination, a film drive means including a shaft, driving motor therefor and a motor circuit; a feed sprocket yieldably mounted on the shaft; and cut-out means including contacts in said circuit carried by said shaft and sprocket respectively and adapted to be disengaged by film actuated relative motion between said sprocket and shaft for disabling the motor circuit.

1,984,848
INSULATION FRAMEWORK
Maurice Patrick Sullivan, Brooklyn, N. Y.
Application November 21, 1932, Serial No. 643,566
3 Claims. (Cl. 154—44)



1. The combination of a fire proof and heat resisting material compressed into a tubing of expanded metallic lath and formed and rolled into semicircular members having wings of said lath projecting from one or more sides for the formation and construction of a sectional framework for flanged fittings and flanges for nonconducting material to be applied on causing same to be capable of being removed and replaced as and for the purpose described.

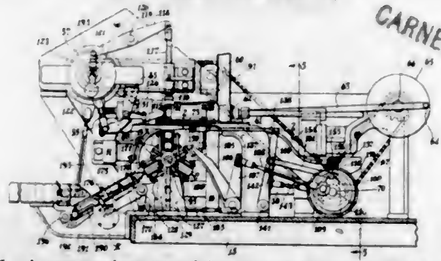
1,984,849
ROAD HEATING MACHINE
Frederic L. van Allen and Alfred T. King, Philadelphia, Pa., assignors to Galen Wood, Media, Pa.
Application September 17, 1928, Serial No. 306,364
6 Claims. (Cl. 126—271.2)

1. In a road heating machine, the combination of a supporting frame, a hood vertically adjustably suspended therefrom, a circular combustion chamber rigidly secured to said hood and



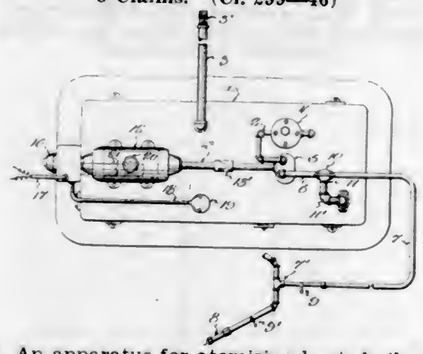
adapted to discharge directly into the hood and means for supplying air and fuel to said combustion chamber.

1,984,850
WRAPPING MACHINE
John Van Buren, Brooklyn, N. Y.
Application March 27, 1933, Serial No. 663,077
2 Claims. (Cl. 93—7)



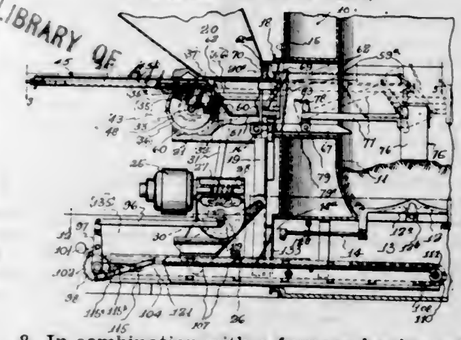
1. A wrapping machine comprising means for feeding an article to be wrapped, means for feeding a wrapper into the path of movement of the article, a movably mounted pocket for receiving the article and wrapper, reciprocatable, positively rotated means for folding one end of the wrapper across the outer edge of the article when the article is in the pocket, means for moving the pocket after said end has been folded, and relatively stationary means engageable with the outer end of the wrapper for folding said end across the fold end as the pocket and article are moved, said positively rotated means maintaining the wrapper fold tight as the outer fold is made by said stationary means.

1,984,851
APPARATUS FOR TREATING COAL
Alfred O. Vinz, Beaver Dam, Wis.
Application March 24, 1933, Serial No. 662,495
8 Claims. (Cl. 299—46)



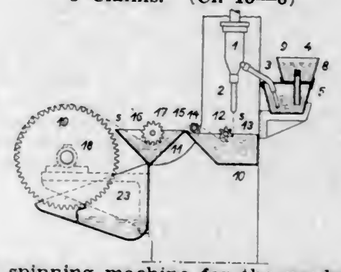
1. An apparatus for atomizing heated oil comprising, an auxiliary storage receptacle having a supply line for communication with a main storage reservoir, a circulation line having its opposite ends in communication with said receptacle, a valve positioned in said circulation line, a discharge line connected with said valve, said valve serving to regulate the amount of oil admitted to said discharge line and to permit either a portion or all of the oil forced through the circulation line to be returned to said auxiliary receptacle, a pump positioned in said circulation line between its inlet end and said valve for circulating oil through said line and reducing the pressure within said receptacle as oil is discharged from the circulating line, causing the withdrawal of oil from the main reservoir and automatically maintaining a substantially constant level of oil in said receptacle at all times, and means located within said receptacle for heating the oil contained therein.

1,984,852
STOKER
Frederick W. Vodoz, Wilmette, Ill.
Application April 25, 1930, Serial No. 447,154
10 Claims. (Cl. 110—101)



8. In combination with a furnace having a fire box, a fuel feeding means including a reciprocating fuel compartment having rigidly fixed side and bottom walls and a movable rear wall, and means operative at a predetermined position of forward feeding of said fuel compartment for extending said rear wall longitudinally to positively discharge fuel from said compartment at a point remote from the margin of said fire box.

1,984,853
SPINNING MACHINE FOR SPINNING ARTIFICIAL SILK
Albert Wagner, Gross-Zschachwitz, near Dresden, Germany, assignor, by mesne assignments, to Dupont Rayon Company, New York, N. Y., a corporation of Delaware
Application March 16, 1927, Serial No. 175,870
In Germany May 4, 1926
3 Claims. (Cl. 18—8)



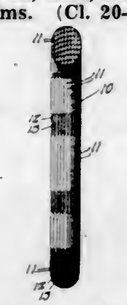
1. A spinning machine for the production of artificial silk by the stretch-spinning method, comprising in combination a spinning funnel, a plurality of baths arranged in series, one of said baths being adjacent said spinning funnel, means for guiding the filament from the spin-

ning funnel successively through said baths, said means comprising rotatable stretching members in said baths and means for rotating said stretching members at progressively increasing peripheral speeds so as to stretch the filament with a draft which increases from one stretching member to another, as and for the purpose set forth.

1,984,854
ARTICLE OF MANUFACTURE

Neil C. Ward, Chicago, Ill., assignor to Anderson-Tully Company, Memphis, Tenn., a corporation of Michigan

Application July 11, 1932, Serial No. 621,902
5 Claims. (Cl. 20—91)

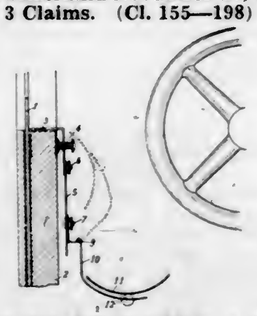


1. A fabricated article of manufacture of a laminated compressible material, sections of which comprise units, the said units having sections overlapping sections of other units of greater strength and more dense than the remainder of the units, but of the same dimensions as the remainder of the units.

1,984,855
ARM-REST IN VEHICLES FOR DRIVERS

Oscar Zwierzina, Berne, Switzerland

Application October 15, 1932, Serial No. 637,937
In Switzerland November 27, 1931
3 Claims. (Cl. 155—198)



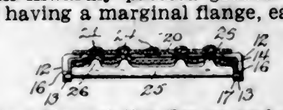
2. For a motor-driven vehicle, a device of the character described comprising in combination an L-shaped bail held on the vehicle structure, a bar pivoted to one branch of said bail, a bracket adjustably carried by said bar, a support hinged to said bracket for folding movement, said support to be moved fore and aft about the pivot pin of said bar, and a universal joint, an arm-rest mounted on the support by said universal joint so as to swing in all directions.

1,984,856
BUCKLE

Carl E. Anderson, East Orange, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J.

Application August 26, 1933, Serial No. 686,943
4 Claims. (Cl. 24—73)

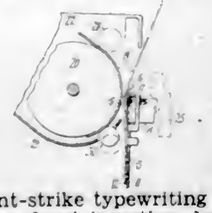
1. A buckle comprising a back plate and a lever hinged together, an ear on each end of the back plate, a pin on each end of the lever, each ear having an inwardly pressed groove on its outer face and having a marginal flange, each ear having a hole adjacent the flange and at the outer end of the groove to provide a wide bearing for the pins of the lever.



1,984,857
TYPEWRITING MACHINE

William H. Barber, Buffalo, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application October 28, 1931, Serial No. 571,550
5 Claims. (Cl. 197—170)

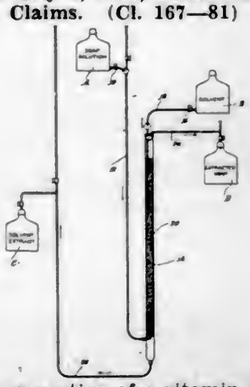


1. In a front-strike typewriting machine having a platen, a front-insertion device including, in combination, a ribbon-vibrator standing in front of the platen and having eyes through which the ribbon is threaded, one eye at each side of the printing point, and a card-insertor in the form of a metal fork secured to the back of the ribbon-vibrator below the ribbon and having prongs narrowed to laterally clear said eyes and printing point, said prongs extending upwardly back of and above the ribbon and bent forwardly at their upper ends to form inclined guides for the lower edge of the work being inserted bottom-edge first between the ribbon and the platen.

1,984,858
PROCESS OF SEPARATING OR EXTRACTING, FROM OILS AND FATS, THE UNSAPONIFIABLE FRACTION POSSESSING THE VITAMIN POTENCY PRESENT THEREIN

Charles L. Barthen, South Orange, N. J., assignor to Health Products Corporation, Newark, N. J., a corporation of New Jersey

Application May 3, 1933, Serial No. 669,120
4 Claims. (Cl. 167—81)

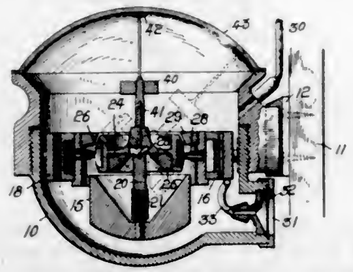


1. In the preparation of a vitamin concentrate from vitamin-containing material, the steps which comprise preparing from said material a soap solution, adding thereto a solvent for the unsaponifiable fraction in an amount within the limit of the quantity of said solvent the soap solution will take up, then extracting the unsaponifiable fraction from the soap solution by flowing, continuously and counter-currently, in intimate contact past each other, the soap solution in a liquid state and more of the same solvent in a liquid state, and thereafter concentrating the extracted unsaponifiable fraction.

1,984,859
GYRO BASELINE

Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application August 21, 1929, Serial No. 387,395
10 Claims. (Cl. 74—5)

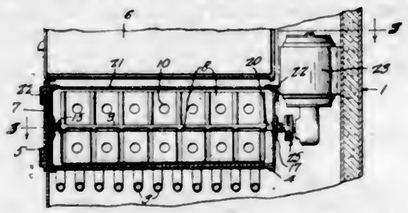


10. In an artificial horizon having a gyroscope, a gyroscopic rotor, means for universally supporting the same in neutral equilibrium with a normally vertical spinning axis, spinning means for the rotor having a self-aligning, non-contacting driving connection therewith, and pendulous means for controlling the position of said spinning means.

1,984,860
ICE CREAM UNIT FOR ELECTRIC REFRIGERATORS

Charles W. Brecht, Pittsburgh, Pa.

Application October 2, 1931, Serial No. 566,540
1 Claim. (Cl. 259—110)

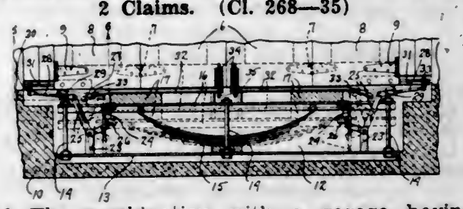


The combination with an electric refrigerator having a freezing unit therein, said freezing unit having a compartment therein, of a removable container in said compartment, an agitator element removably mounted in said container, said agitator element having a shaft thereon, means on one end wall of said container for resiliently and rotatably supporting one end of said shaft, a shaft carried by the other end wall of the container, said shaft and the agitator shaft being so arranged as to form a severable driving connection therebetween, a driving motor mounted in the refrigerator independent of said container, said motor having a drive shaft, and means for effecting a readily severable driving connection between the motor shaft and the shaft carried by the end wall of the container.

1,984,861
AUTOMATIC GARAGE DOOR

Charles C. Brown, Spokane, Wash.

Application January 22, 1934, Serial No. 707,683
2 Claims. (Cl. 268—35)

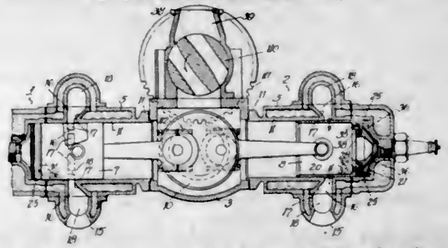


1. The combination with a garage having swinging doors and a driveway having longitudinal grooves extending into the garage, and having a transverse groove extending beneath said doors, of automatic means for opening and closing said doors, said means comprising long tread planks installed in the longitudinal grooves and extending into the garage, means for supporting the outer ends of said planks, a cross beam mounted for up and down movement within the transverse groove and supporting the tread planks, a leaf spring with its arms normally retaining said cross beam and planks in the raised position, pivotally mounted levers arranged to swing inwardly upon depression of the cross beam, rods connecting said levers with the doors whereby depression of the tread planks, spring and cross beam causes the doors to swing open and whereby the doors are caused to swing to the closed position when the cross beam and tread planks are raised by the spring, short tread planks disposed within the longitudinal grooves and hinged to the inner ends of the long tread planks within the garage, and a transverse central support for said short planks whereby a weight upon their inner ends prevents said short and long tread planks from being depressed by a weight on the long tread planks outside of the garage.

1,984,862
INTERNAL COMBUSTION ENGINE

Herbert E. Bucklen, Elkhart, Ind., assignor of one-half to John A. Dienner, Evanston, Ill.

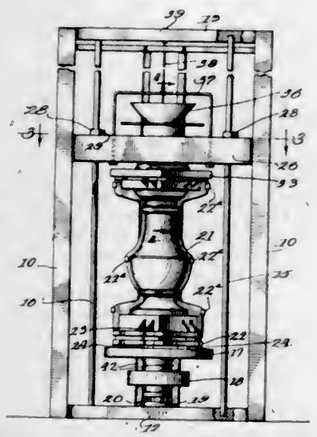
Application June 22, 1932, Serial No. 618,622
4 Claims. (Cl. 123—47)



1. An internal combustion engine having a cylinder and a piston therein defining therewith an explosion chamber, said cylinder having a discharge port opening in the cylindrical wall thereof, said piston having a skirt portion that slides over the port and maintains it closed during the compression stroke and during the major portion of the explosion stroke, said piston clearing the port as the piston approaches the end of its working stroke thereby permitting the discharge of the products of combustion, said piston having a slot in its outer periphery, a passageway extending to the slot from the inside of the skirt of the piston, another passageway separate from the first passageway and extending from the slot

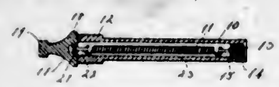
through the piston to the explosion chamber, and a check valve in said slot controlling the closing and opening of communication between said passageways.

1,984,863
APPARATUS FOR MAKING CONCRETE OBJECTS
Byron S. Clark and John W. Lowell, Chicago, Ill., assignors, by mesne assignments, to Benedict Stone Products Company, Chicago, Ill., a corporation of Illinois
Application August 26, 1931, Serial No. 559,374
3 Claims. (Cl. 25—30)



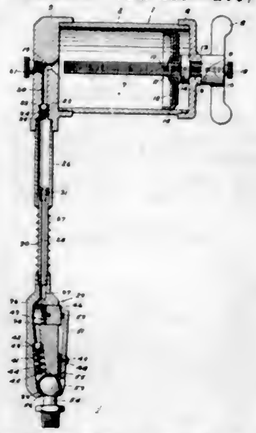
1. An apparatus for treating concrete articles comprising a supporting frame, a rotatable table for supporting a form carried by said frame, said table being resiliently mounted with respect to said frame, a form carried by said table and mounted to rotate with said table, a second table inverted with respect to the first table engaging the top of said form, said second table being rotatably and resiliently mounted with respect to said frame, means for rotating said tables and form to subject concrete in said form to centrifugal force, means for subjecting said form to high frequency vibration, comprising a cross head and bearing for rotatably supporting said inverted table, means for resiliently supporting said cross head on said frame, and a motor having an eccentric weight carried by the motor shaft mounted on said cross head.

1,984,864
REVOLVING TEST PLUG
Thomas L. Cole and Andrew J. Kinsella, Norristown, Pa.
Application March 22, 1932, Serial No. 600,396
4 Claims. (Cl. 33—169)



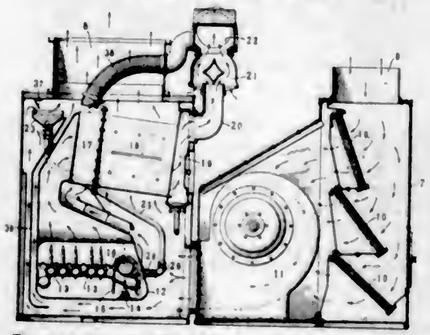
1. In a revolving test plug, a hollow body, a movable member seated against one end of said body, an adjusting screw carried by the opposite end of said body, and a coil spring within the hollow body having one end connected with the movable member and the opposite end with the adjusting screw, the tension of said spring being variable by a change in position of the screw.

1,984,865
LUBRICATION DEVICE
John L. Creveling, Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Original application September 17, 1931, Serial No. 563,401. Divided and this application July 15, 1933, Serial No. 680,604
8 Claims. (Cl. 285—170)



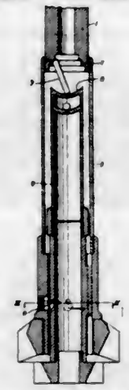
1. In a lubricant fitting clamp, a cylinder, a piston therein, a clamping arm associated with said piston for movement thereby and therewith, a clamping arm associated with said cylinder, the ends of said arms being relatively movable whereby to effect a sealing engagement between the lubricant receiving end of a fitting and one of said arms, a conduit for supplying lubricant to the receiving end of the fitting through the arm engaged therewith and having a connection with said cylinder, a back check valve in said conduit ahead of said cylinder, and a back check valve in the conduit between said cylinder and the arm engaged with said fitting end.

1,984,866
AIR HUMIDIFICATION APPARATUS
Vincent S. Day, Summit, N. J., assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a corporation of New York
Application June 1, 1931, Serial No. 541,242
7 Claims. (Cl. 126—113)



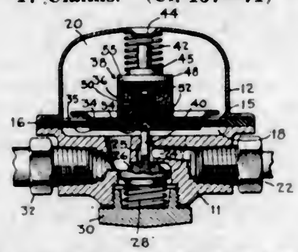
1. In an air conditioning unit, a casing, a firebox in said casing, a heat interchanger in communication with said firebox, a fan for supplying air to said casing, the surfaces of said firebox and said interchanger forming a passageway for the main portion of air supplied by said fan, air humidifying means, and a partition between said firebox and said casing, said partition forming a passageway with said casing for diverting a portion of the air supplied by said fan to said humidifying means, said partition forming a passageway with said firebox for diverting another portion of the air supplied by said fan over the surfaces of said firebox to cool it.

1,984,867
CORE DRILL
Charles A. Dean, Bakersfield, Calif.
Refiled for abandoned application Serial No. 630,074, August 23, 1932. This application May 26, 1933, Serial No. 673,125. In Canada February 13, 1933
7 Claims. (Cl. 255—72)



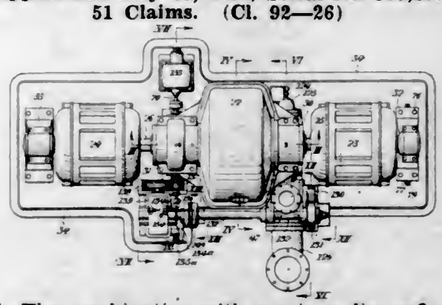
1. A core drill comprising a tubular drill stem and a depending drill sub, a core container mounted for longitudinal play within the sub, core-gripping elements mounted to be engaged by the drill sub for penetration into a core and retraction therefrom respectively on raising and lowering of the drill sub relatively to the core container, and means within the drill to lock the core-gripping elements against retraction at different relative positions of drill sub and container.

1,984,868
GAS PRESSURE STABILIZER
George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1932, Serial No. 629,003
17 Claims. (Cl. 137—71)



17. In gas supply apparatus of the type having a source of gas at high pressure, conduit means for supplying the gas to a torch, and a pressure regulator, in series with said conduit means, for receiving gas at high pressure from said source and delivering it at reduced pressure, a pressure stabilizer in series with the pressure regulator on the delivery side of said regulator, said stabilizer including means for preventing a sudden rise in the delivery pressure of the regulator from reaching the torch, and means responsive to a continued rise in pressure for permitting the increased pressure to reach the torch.

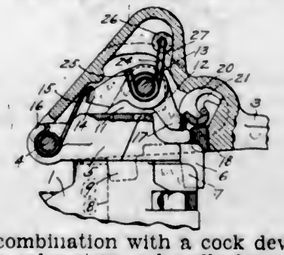
1,984,869
PULP REFINING AND THE LIKE, AND APPARATUS THEREFOR
Francis S. Farley and Roger B. Brown, Trenton, N. J., assignors, by mesne assignments, to Lionel M. Sutherland, Lower Makefield Township, Pa.
Application May 23, 1931, Serial No. 539,438
51 Claims. (Cl. 92—26)



1. The combination with a rotary disc refiner, of a head box thereabove for supplying it with pulp, means for supplying pulp to said head box, an overflow from said head box for pulp not taken by the refiner, and means for by-passing pulp from the head box around the refiner.

51. The improvement in mechanically refining an aqueous fiber suspension or pulp which comprises working and deforming its individual ultimate fibers between coacting relatively moving abrasive surfaces having an effective clearance approximating and less than the diameter of the ultimate fibers of the pulp, and compelling all the fibers to pass through said clearance before leaving the discs.

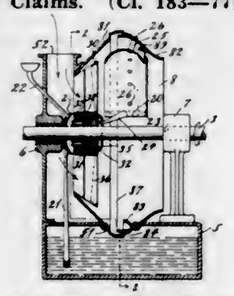
1,984,870
LOCKING ANGLE COCK
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 9, 1933, Serial No. 701,649
11 Claims. (Cl. 70—124)



1. The combination with a cock device having a rotatable valve stem, a handle for rotating the valve stem and a stop adapted to be engaged by the handle to lock the handle against movement to rotate the valve stem, said handle being movable vertically in one direction out of locking engagement with the stop and movable in the opposite direction into locking engagement with the stop, of locking means adapted to engage said handle to prevent the handle from being moved out of locking engagement with said stop and being adapted to be moved to a position for permitting the handle to be moved out of locking

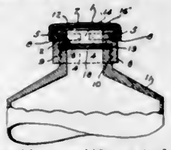
engagement with the stop, said locking means being adapted to support said handle in the last mentioned position until the handle is manually depressed.

1,984,871
AIR CLEANING AND BLOWING APPARATUS
John H. Fedeler, New York, N. Y.
Application March 22, 1928, Serial No. 263,719
9 Claims. (Cl. 183—77)



5. A device of the class described comprising a shaft, a plurality of outwardly extending blades secured to the shaft and having the spaces between their outer edges open, means to direct air to said blades in a direction generally parallel to said shaft, said blades being constructed and arranged to throw said air outwardly as it passes therebetween, a stationary plate disposed adjacent the outer edges of said blades but spaced therefrom and so placed as to intercept the air thrown from the blades, said plate being inclined away from the shaft in the direction of movement of the air, whereby said air and particles of dust and the like carried thereby may travel away from said shaft after being intercepted by said plate, and means adapted to separate said particles from said air.

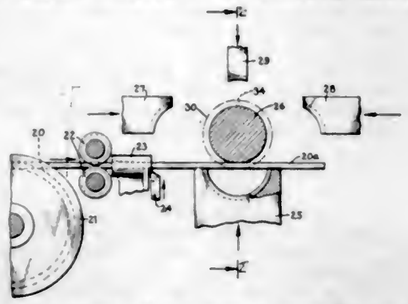
1,984,872
CLOSURE FOR TUBULAR PASTE AND OTHER CONTAINERS
Nelson A. Frahm, Bloomfield, N. J.
Application October 27, 1933, Serial No. 695,415
7 Claims. (Cl. 221—60)



1. The combination with a tube having an extrusion aperture in its neck, said neck having side grooves therein, of a wire frame having side legs slidably mounted in said grooves, a plate covering said aperture and having side flanges fixed to said legs at one of the ends of the frame, and a manipulable cross piece joining said legs at the opposite end of the frame, whereby on manipulation of said cross piece said legs may be slid to open the aperture.

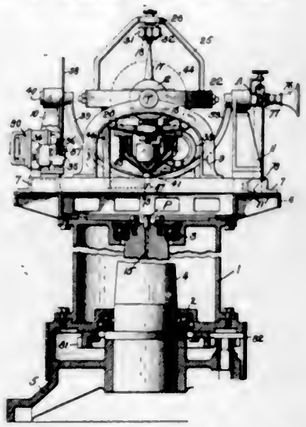
1,984,873
METHOD OF MANUFACTURING NUTS
James M. G. Fullman, Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y., a corporation of Delaware
Application December 3, 1932, Serial No. 645,506
5 Claims. (Cl. 10—86)

1. A threaded ring for use as a nut formed of wire with a welded joint so as to be endless and with spaced integral teeth extending upwardly



out of the plane of the ring to provide bonding teeth and with interior threads on the ring.

1,984,874
GYRO VERTICAL
Reginald E. Gillmor, Forest Hills, N. Y., and Bruno A. Wittkuhns, Chatham, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 26, 1930, Serial No. 463,929
29 Claims. (Cl. 33—204)



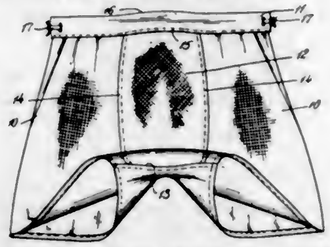
9. An artificial horizon for ships comprising a ball-like rotor, a cup for supporting the rotor and furnishing the bearing therefor, a universal support for said cup, a stator around the rotor for spinning the same, and means for altering the normal inclination of the stator to correct for errors due to the rotation of the earth.

12. An artificial horizon for ships comprising a ball-like rotor, having the plane of its maximum moment of inertia about its vertical axis, a cup under said rotor for supporting the same and furnishing the only bearing therefor, an electrical stator around the horizontal diameter of said rotor, and universal pendulous supporting means for said cup and stator.

17. A ball gyroscopic vertical indicator comprising a ball, means for spinning the same about a vertical axis, and an indicator of the vertical on the ball, the axis of maximum moment of inertia of the ball being coincident with the axis of said indicator.

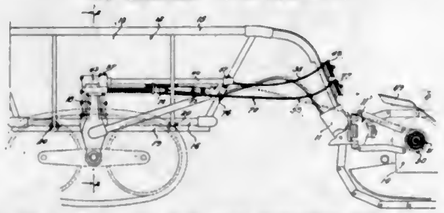
23. In a gyro vertical, the combination with a gyroscopic ball, a pendulously supported A. C. stator for spinning said ball in a substantially horizontal plane with a vertical spinning axis, and a cup under the ball for supporting the same on a self-generated air film.

1,984,875
UNDERGARMENT
Robert E. Heyn, Bronxville, N. Y., assignor to The B. V. D. Company, Inc., New York, N. Y., a corporation of Delaware
Application July 27, 1934, Serial No. 737,193
4 Claims. (Cl. 2—226)



1. A nether garment which comprises leg sections, a waistband connected to the top edges of said leg sections, and a panel lying between said leg sections at the back of the garment and secured thereto along its lateral edges, said panel being formed of fabric cut on the bias with the threads extending diagonally to the vertical and having an upwardly convex top edge secured to the lower edge of the waistband.

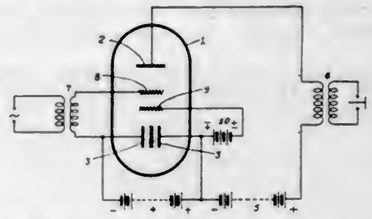
1,984,876
TRAILER DUMP MECHANISM
George C. Jett, Milwaukee, Wis., assignor of two-fifths to Walter H. Stiemke, Milwaukee, Wis.
Application March 19, 1930, Serial No. 436,965
10 Claims. (Cl. 298—35)



1. In a hauling unit the combination of a vehicle having a body for receiving loose materials, doors hinged to said body for closing the bottom thereof, means including a chain for lifting said doors into closed position, a pawl engageable with said chain for releasably retaining said doors in closed position, means for restraining that portion of said chain adjacent said pawl against lateral displacement to thereby insure coacting relation therebetween and a compound lever system for shifting said pawl out of engagement with said chain to thereby permit said doors to open.

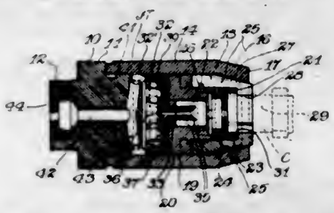
1,984,877
GASEOUS DISCHARGE AMPLIFIER TUBE
Günther Jobst, Fritz Michelssen, and Waldemar Wehnert, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 20, 1931, Serial No. 576,292
In Germany November 21, 1930
7 Claims. (Cl. 179—171)

1. A gaseous conduction amplifier comprising a sealed envelope containing a gaseous atmosphere and enclosing an electron source comprising a pair of gaseous discharge electrons spaced to form a gap in which a discharge may be maintained, a plate electrode, a control grid, and an auxiliary grid between said control grid



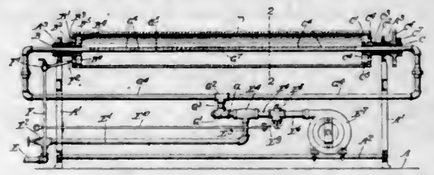
and said electron source positively biased with respect to both of said discharge electrodes.

1,984,878
CHUCK LUBRICATING CONNECTER
August Johnson, Fargo, N. Dak., assignor to Jiffy Lubricator Company, Inc., Fargo, N. Dak., a corporation of North Dakota
Application February 1, 1932, Serial No. 590,122
4 Claims. (Cl. 285—170)



2. A chuck lubricating connecter including, means for securing said chuck to a source of lubricant, a passageway into said chuck for lubricant from a source thereof, a core member in said chuck, gripping jaws freely carried by said core member, a recess and gasket in one end of said core member for receiving a lubricating connecter therein with said jaws engaging about said lubricating connecter when fitting into said core member against said gasket, a reinforced gasket rotatably and removably secured to and supported to the other end of said core member, and means for directing lubricant from a scurce of supply into said chuck connecter and to direct the same toward said reinforced gasket.

1,984,879
BURNER
Francis T. Johnson, Chicago, Ill., assignor to Chester T. M. Johnson and Martin F. W. Johnson, Chicago, Ill.
Application February 9, 1931, Serial No. 514,502
4 Claims. (Cl. 158—104)



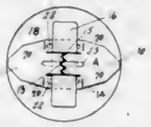
1. In a burner, a pipe loop, a portion of said loop formed to permit discharge of fuel from the pipe, means dividing said fuel discharge portion into sections and means for the introduction to said loop of a mixture of air and fuel, and an air supply and a fuel supply and controls for each of them.

1,984,880

GRADING TAG FOR POULTRY AND FOOD PRODUCTS GENERALLY

John Ormond Ker and Ward Ashton, Ottawa, Ontario, Canada; said Ashton assignor to said Ker

Application July 2, 1931, Serial No. 548,356
11 Claims. (Cl. 40—3)



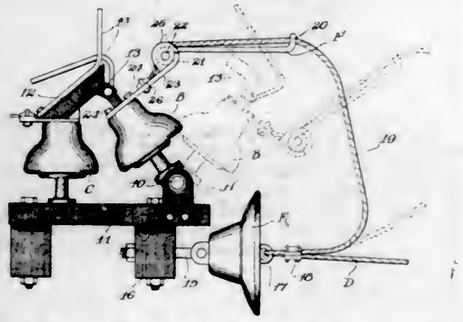
1. A grade indicating tag for poultry, birds, food products, merchandise and the like, comprising a flexible metallic strip intermediately formed with gripping members operable to open and gripping position by bending the strip and flexible indicia carrying means associated with the strip.

1,984,881

WIRE GUIDE FOR TILTING INSULATORS

Stanley C. Killian, Oak Park, Ill., assignor to Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application January 23, 1932, Serial No. 588,325
11 Claims. (Cl. 200—48)



1. A wire guide for tilting insulator electric switches in combination with a tilting insulator of the electric switch, a member extending from the tilting insulator adapted to provide an electric wire connector, an arm pivotally connected at one end to said member and having its free end extending from said member and formed with an electric wire receiving eye to provide a guide means pivotally connected to said member to operate with said tilting insulator to guide the electric wire supported by said guide arm in a manner to form a curved loop and prevent bending at a single point when said insulator of the switch is opened and closed, the stiffness of the wire determining the position of said arm in all but closed positions of said insulator.

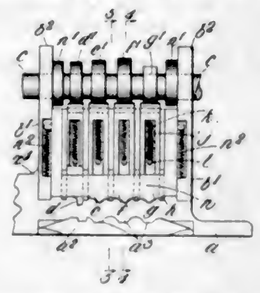
1,984,882

WIRE SEALING MACHINE

William King, Clapham Park, London, England

Application August 16, 1932, Serial No. 629,023
In Great Britain November 17, 1931
7 Claims. (Cl. 81—9.1)

1. A method of securing a tie box strap about a box or case, said tie having permanently attached to one end thereof a seal with a channel to receive the other end of the tie which consists in threading the free end of the tie through said channel tensioning the tie, corrugating the channel-part of the seal and the enclosed tie at one or more points, cutting the tie between the seal and the point at which it is tensioned



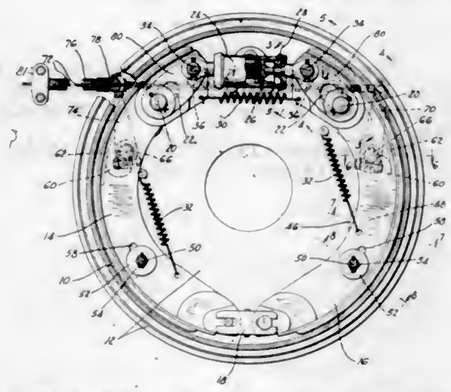
and then corrugating the seal at one or more further points along the channel part.

1,984,883

BRAKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Application October 27, 1930, Serial No. 491,589
12 Claims. (Cl. 188—106)



1. Brake friction means having two independently-operable applying means, one of which comprises two devices of which one is operated by a tension element and the other of which is operated by the reaction of a flexible conduit housing said tension element.

1,984,884

PROCESS FOR PRODUCING OXYGENATED ORGANIC COMPOUNDS

Wilbur A. Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 6, 1928, Serial No. 283,447
15 Claims. (Cl. 260—156)

1. In a catalytic process of forming organic compounds in a three-component reaction system comprising an oxygen-containing carbon compound capable of hydrogenation, an oxygen-containing carbon compound capable of dehydrogenation, and hydrogen, the step which comprises using a catalyst which, prior to introduction into said reaction system, contains difficultly reducible basic and acidic oxides, a material amount of said oxides being in loose chemical combination, the acidic oxide or oxides preponderating in the catalyst.

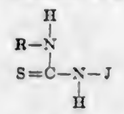
1,984,885

1-AMINO-ARYLENE THIAZOLES AND THEIR PRODUCTION

Herbert August Lubs and John Elton Cole, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 23, 1931, Serial No. 524,757
6 Claims. (Cl. 260—44)

1. The process which comprises treating a suspension of a compound having the formula



in which R represents an aryl radical of the benzene or naphthalene series, J represents hydrogen, an alkyl radical or an aryl radical of the benzene series, and which has one position of the radical R adjacent the —NH group unsubstituted, with a chlorinating agent until the radical R is chlorinated.

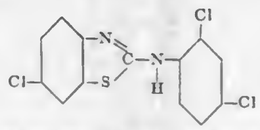
1,984,886

1-AMINO-ARYLENE THIAZOLES AND THEIR PRODUCTION

Herbert August Lubs and John Elton Cole, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 6, 1931, Serial No. 535,560
7 Claims. (Cl. 260—44)

1. The compound 1-ortho-para-di-chloro-anilido-5-chloro-benzothiazole having the formula



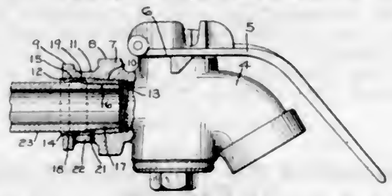
which is a white solid slightly soluble in boiling ethyl alcohol and melting at about 175° C.

1,984,887

ANGLE COCK DEVICE

Albert A. Mackert, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 12, 1932, Serial No. 598,321
3 Claims. (Cl. 285—13)



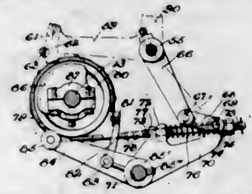
1. The combination with an angle cock body and a brake pipe, of an internally and externally threaded bushing fitting into a threaded bore in said body, the said bushing having an unthreaded portion supported in said bore adjacent its outer end for relieving the threaded portion from lateral stresses and having an internal unthreaded cylindrical portion spaced from the internally threaded portion of the bushing by an annular relief recess and for snugly engaging and supporting the brake pipe at a point remote from its threads for relieving the threaded portion of the brake pipe from lateral stresses.

1,984,888

BRAKE FOR SHEET FEEDING APPARATUS

George A. Martin, Pearl River, N. Y., assignor to Dexter Folder Company, New York, N. Y., a corporation of New York

Application July 6, 1928, Serial No. 290,748
30 Claims. (Cl. 188—135)



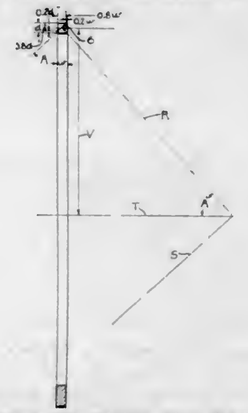
1. In combination, a driven shaft, a brake drum fixed thereon, a brake band shiftable about the brake drum to brake applying and releasing positions, band shifting means connected with one end of the brake band, and brake applying means comprising a cam on the driven shaft and a pivoted lever connected with the other end of the brake band and movable thereby into engagement with the cam.

1,984,889

PISTON RING JOINT

Oscar S. McCurdy, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 4, 1931, Serial No. 578,995
4 Claims. (Cl. 309—46)



1. A split step-cut piston ring having its ends provided with diagonally disposed overlapping surfaces, the said surfaces constituting a section of a cylinder and having a radius greater than the distance between the center of the ring and a point in the overlapping surfaces midway between the peripheral edges thereof.

1,984,890

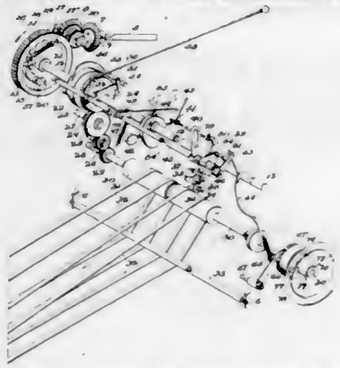
SHEET FEEDING APPARATUS

John H. McElroy, Pearl River, N. Y., assignor to Dexter Folder Company, New York, N. Y., a corporation of New York

Application June 29, 1928, Serial No. 289,281
13 Claims. (Cl. 192—126)

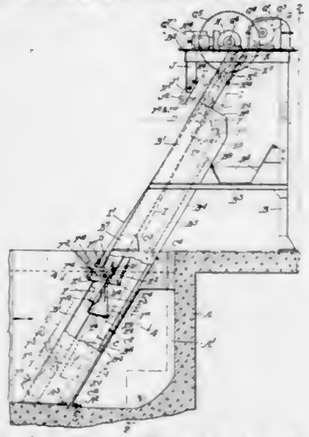
1. In sheet feeding apparatus, sheet advancing means, driving means therefor, a clutch for connecting and disconnecting said means, clutch operating mechanism, a rockshaft movable by

said clutch operating mechanism through the clutch, a brake for the sheet advancing means, and devices operated by said rockshaft adapted



to automatically apply the brake when the sheet advancing means is disconnected from its driving means.

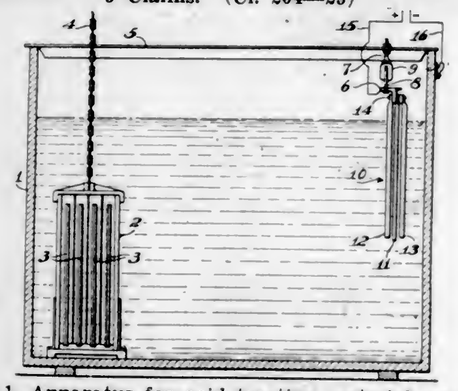
1,984,891
SCREEN
Frederick E. Miick, Philadelphia, and Frederick E. Major, Elkins Park, Pa., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application June 18, 1931, Serial No. 545,272
11 Claims. (Cl. 210—176)



1. In combination with a screen, a rake assembly, movably positioned with relation thereto, means for moving the rake assembly thereto, means for moving the rake assembly thereto, means for moving the rake assembly

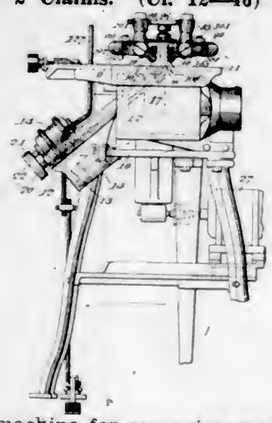
ing in regulating to the required intensity a comparison light, and simultaneously regulating the intensity of a copying light, but in opposite sense in accordance with the regulated light of the comparison lamp.

1,984,899
APPARATUS FOR USE WITH ACID CLEANING EQUIPMENT
Charles E. Smith, Creighton, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application February 17, 1934, Serial No. 711,668
5 Claims. (Cl. 204—25)



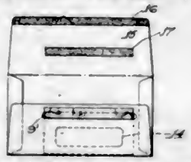
1. Apparatus for acid treating material comprising a metal tank for the acid bath, an electrode in the tank insulated therefrom comprising a pair of adjacent metal members one of which lies in the group consisting of copper, lead, tin and zinc, and the other of which lies in the group consisting of chromium, iron and nickel, and a source of electric current having its positive lead connected to the electrode and its negative lead connected to the tank.

1,984,900
HEEL-CONCAVING MACHINE
John W. Staples, Haverhill, and Walter C. Brooks, Groveland, Mass., assignors to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts
Application November 19, 1931, Serial No. 576,001
2 Claims. (Cl. 12—46)



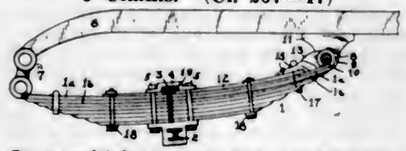
1. In a machine for concaving wood heels, in combination, a cutter, means for holding a heel, means for actuating one of said members so as to cause the cutter to engage the heel along a path parallel to the edge contour of the heel during which actuation the axis of the cutter is positioned in a plane transverse to said edge contour, said axis being disposed at an angle of less than 90° to a plane through said edge contour.

1,984,901
ENVELOPE
Willard E. Swift, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application January 7, 1932, Serial No. 585,295
5 Claims. (Cl. 229—71)



1. As a new article of manufacture, a single-pocket envelope having front and back walls of uniform size, one of said walls providing a window for revealing the address on an inclosure of substantially smaller size than the envelope, and the other wall providing a single unbroken slit through which projects one edge of said inclosure, when the latter is registered with said window, whereby to prevent substantial displacement of said inclosure from said registered position.

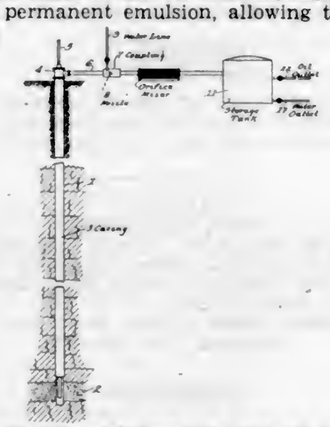
1,984,902
LEAF SPRING
William Duncan Taylor, Aspinwall, Pa.
Application July 30, 1932, Serial No. 626,395
5 Claims. (Cl. 267—47)



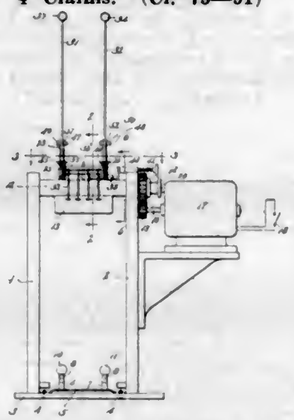
5. In a vehicle spring, the combination with a laminated spring having a main leaf, an eye attachment at one end and an axle connection spaced therefrom, of a thrust plate having an opposite camber to that of the main leaf of the spring, means for clamping the thrust plate in continuous surface contact with the main leaf between the eye attachment and the axle connection, one end of the thrust plate being provided with an arcuate surface which forcibly bears against the curved surface of the eye when the thrust plate is clamped in position, and means for securing the other end of the thrust plate at the axle connection of the spring.

1,984,903
PROCESS FOR REMOVING SALT COMPOUNDS FROM CRUDE OIL
Cary R. Wagner, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application January 16, 1933, Serial No. 651,950
2 Claims. (Cl. 196—146)

1. The method of desalting crude petroleum oil produced from wells which have been acid treated to increase the flow thereof which consists in withdrawing such oil from the well through a transfer line to a settling tank, introducing sufficient water up to 5% into the oil in the transfer line, passing the oil and water through a mixer wherein the oil and water are contacted sufficiently to permit the water to dissolve the salts in the oil but insufficiently to form a permanent emulsion, allowing the mixture to stratify and decanting the oil from the aqueous layer.



1,984,904
IMPACT TESTING MACHINE
Nathaniel Warshaw, Boston, and Henry B. Shepard, Newton, Mass., assignors to Stowe-Woodward, Inc., Newton Upper Falls, Mass., a corporation of Massachusetts
Application August 5, 1933, Serial No. 683,782
4 Claims. (Cl. 73—51)

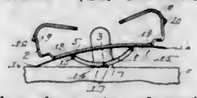


1. A testing machine comprising a shaft; two strikers; means to rotate said shaft; means connecting said shaft and strikers to cause said strikers to rotate free of certain objects when the shaft rotates but with provision to permit movement of the strikers outwardly radially of the shaft; and means to act on said connecting means to permit such radial movement of the strikers simultaneously so that the strikers strike said objects simultaneously.

1,984,905
FOUNDRY CORE
Edward Weatherford, Decatur, Ill., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 8, 1933, Serial No. 697,151
8 Claims. (Cl. 22—188)

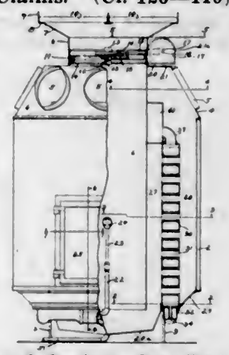
3. A core material for foundry use consisting of a mixture of finely divided inert material and a binder consisting of a milk concentrate that includes the whey solids.

1,984,906
RAZOR BLADE HOLDER
Frederick A. Wennerstrom, Grand Rapids, Mich.
Application June 9, 1933, Serial No. 675,043
1 Claim. (Cl. 51—216)



A device of the character described comprising a pair of separable members adapted to hold a razor blade in sharpening position therebetween, one of said members being made from a sheet metal blank comprising spaced side portions and spaced end portions and being bent so as to bring the side portions together with their inner edges adjacent and so curved as to form their under surfaces downwardly convex for providing an under surface for the device adapted to rock and slide on a sharpening agent and said end portions being bent upwardly to provide a pair of spaced hollow posts adapted to be inserted into correspondingly spaced holes in the blade, and the other one of said members having holes adapted to receive the posts in the held position of the blade between said members.

1,984,907
AIR-CONDITIONING FURNACE
Charles C. Wilson, Dayton, Ohio
Application December 26, 1933, Serial No. 703,932
7 Claims. (Cl. 126—116)

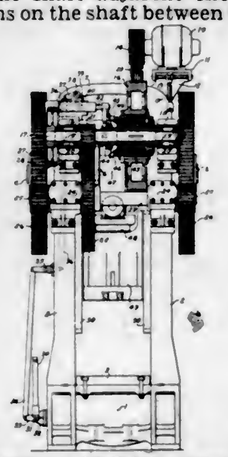


1. A furnace of the type described, comprising an outer casing, an inner shell projecting from the top of the furnace to a point near its bottom, to conduct air downwardly therethrough, means in said shell for humidifying the descending air, heating units surrounding the inner shell and spaced a sufficient distance therefrom to form a passage to receive the air which descends through said shell, transverse air passages in said heating units, communicating with the air passage between said units and the inner shell, a passage between the heating units and the outer wall of the casing to receive the air which passes through the transverse passages of the heating units, and an air outlet in the outer casing, in communication with the upper part of the last-named passage.

1,984,908
STRAIGHT SIDE SINGLE CRANK PRESS
Reuben E. Wissman, Minster, Ohio, assignor to The Minster Machine Company, Minster, Ohio, a corporation of Ohio
Application February 23, 1932, Serial No. 594,561
16 Claims. (Cl. 192—144)

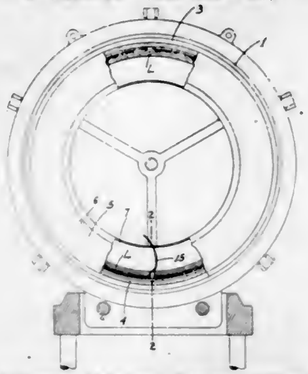
1. In a press, a drive shaft supported in bearings, one adjacent each end of the shaft, a drive

pinion on the shaft adjacent one bearing, and driving means on the shaft between the pinion and



the other bearing, said driving means including a pulley and clutch means between the pulley and the shaft.

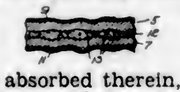
1,984,909
INNER HEATING DEVICE FOR RETREADING MOLDS
Walter R. J. Woock, Lodi, Calif., assignor to Super Mold Corporation, Lodi, Calif., a corporation of Nevada
Application December 8, 1930, Serial No. 500,800
4 Claims. (Cl. 219—46)



1. An electric heating device comprising initially separate surface sheets of rubber, a sheet of heat insulating material disposed between the rubber sheets, another rubber sheet between the insulating sheet and the adjacent outer sheet, and a heating element disposed between said other and adjacent outer rubber sheets; all said rubber sheets being vulcanized together to form a non-separable unit.

1,984,910
WATERPROOF SHEET MATERIAL
Edward H. Angier, Framingham, Mass., assignor to Edward H. Angier, as trustee, Framingham, Mass.
Original application November 29, 1930, Serial No. 499,065. Divided and this application December 29, 1931, Serial No. 583,620
3 Claims. (Cl. 154—50)

1. A duplex waterproof paper having a non-tacky surface and comprising a pair of sheets of the kraft type adhesively joined by an intervening film of water-resisting material, their outer faces having waterproofing material substantially completely absorbed therein, whereby a non-tacky surface is provided, and presenting a continuous water-resisting superficial surface.

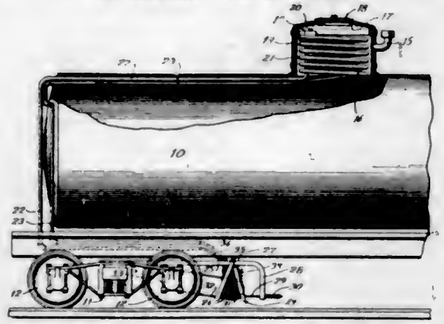


1,984,911
MICA INSULATOR
William H. Banks, Jr., Boston, and Walter A. Graham, Saugus, Mass., assignors to The Macallen Company, Boston, Mass., a corporation of Massachusetts
Application August 19, 1931, Serial No. 558,031
2 Claims. (Cl. 154—2.6)



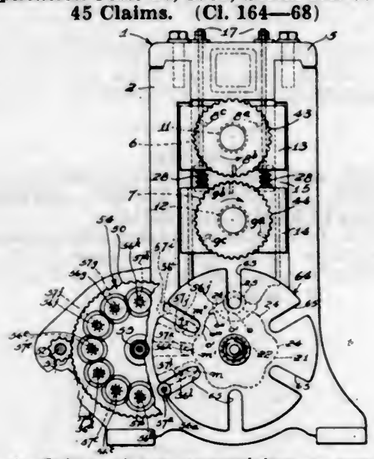
1. As an article of manufacture, a composite sheet of mica and a binder, and a supporting and covering film therefor, said film comprising a preformed, substantially continuous sheet of chemically treated, substantially transparent cellulose having substantially the characteristics of cellulose acetate and/or regenerated cellulose.

1,984,912
REFRIGERATING CAR
Thomas A. Banning, Jr., Wilmette, Ill., assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application December 15, 1930, Serial No. 502,486
23 Claims. (Cl. 62—117)



1. The combination with a car having a body and trucks, provided with the usual axles and wheels, of means for refrigerating the car body comprising a pumping unit, a cooling coil, and a receptacle for storage of compressed liquefied gas mounted rigidly on the car body, an expansion valve and cooling unit also mounted on the car body in position to refrigerate a selected portion of said body, connections between the pumping unit, the cooling coil and the receptacle for delivery of compressed and cooled gas into the receptacle, connections between the receptacle the expansion valve and cooling unit, and the return side of the pumping unit for delivery of compressed gas from the receptacle to the expansion valve and cooling unit, and from the expansion valve and cooling unit back to the inlet side of the pumping unit for return of expanded gas back to the pumping unit for recompression thereby, and means for driving the pumping unit directly from a truck axle, whereby the driving of said pumping unit is concurrent with the travel of the car so that the pumping ability is determined by car travel, and the receptacle for compressed and cooled gas being of capacity to supply such compressed and cooled gas to the expansion valve and cooling unit according to the needs of said parts and irrespective of periods of travel and rest of the car in normal service, substantially as described.

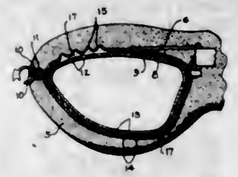
1,984,913
FLYING SHEAR
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1933, Serial No. 676,313
45 Claims. (Cl. 164—68)



33. A flying shear comprising a supporting frame, a pair of rotary blade carriers equipped with three equally spaced axially disposed cutting blades rotatably mounted in said carriers, means for so driving said carriers that the blades on the two move into cutting opposition with each other each time the carriers are rotated, a cam wheel provided with six equally spaced lobes on the periphery adapted to normally support one of said carriers sufficiently out of contact with the other to permit a piece of stock being passed between the two without interference therewith and to move the carrier supported thereby into and out of cutting relation with the other carrier each time it is rotated the length of one of said lobes, a Geneva wheel provided with a series of slots spaced 30° from said cam lobes coupled to said cam, a pin wheel driven in synchronism with said carriers and equipped with twelve movable pins so mounted with respect to said Geneva wheel that they may each be utilized to move said Geneva wheel a distance equal to the length of one of said cam lobes, and means for selectively operating said pins.

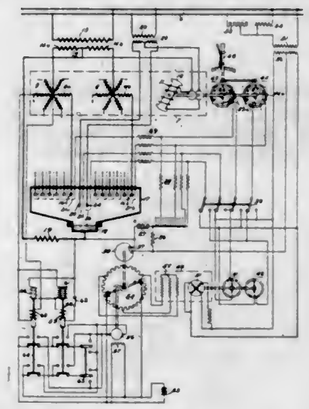
1,984,914
OPHTHALMIC MOUNTING
Ralph R. Browning, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 10, 1932, Serial No. 628,194
2 Claims. (Cl. 2—14)

1. In a device of the type described, a goggle eye cup, the wall of said eye cup having an opening therein and an outwardly drawn portion around said opening and tapering outwardly to form a projection on the eyecup wall having inclined sides with an opening in its outer end which is smaller in diameter than the opening in the eyecup wall, whereby the rushing of air upwardly of the inclined sides and past the outer



opening of the projection will cause air to be sucked from the interior of the eye cup.

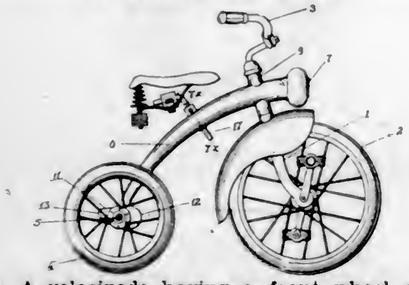
1,984,915
MOTOR CONTROL SYSTEM
Gustav Brunner, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland, a joint-stock company of Switzerland
Application June 16, 1933, Serial No. 676,029
In Germany June 22, 1932
12 Claims. (Cl. 172—274)



1. In a motor control system, an alternating current supply line, a motor operable either as a motor or as a generator and having an armature winding and a field winding, means for connecting said windings with said line, an electron discharge device connected with said windings and controlling the flow of current therethrough, means actuated by said motor for controlling the operation of said device to regulate the flow of current through said armature winding, and means actuated in synchronism with the voltage of said line for controlling the operation of said device to regulate the flow of current through either of said windings.

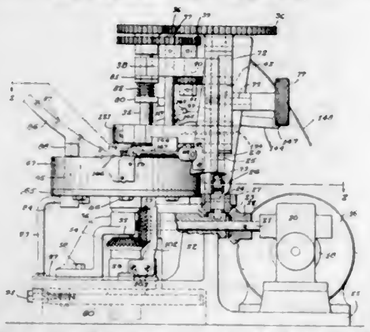
8. In a system for converting direct current into single phase alternating current by means comprising anodes of an electron discharge device, the method of releasing the flow of current through one of said anodes when such anode receives an alternating voltage of positive sign and decreasing in magnitude, and of interrupting the flow of current through such anode when the voltage thereof has first become increasingly negative and thereafter becomes decreasingly negative, such interruption being effected by the release of a flow of current through another of said anodes then receiving an alternating voltage of positive sign and decreasing in magnitude.

1,984,916
VELOCIPEDE FRAME CONSTRUCTION
Giles E. Bullock, Rochester, N. Y., assignor to E. C. Brown Co., Rochester, N. Y.
Application May 1, 1934, Serial No. 723,363
25 Claims. (Cl. 208—113)



1. A velocipede having a front wheel and a pair of rear wheels, a fork supported by the front wheel and an axle supported by the rear wheels, a hollow backbone member connecting the fork with the axle, an extension provided on said backbone member and projecting beyond said fork to provide a support for a headlight above the front wheel and a headlight mounted in said support.

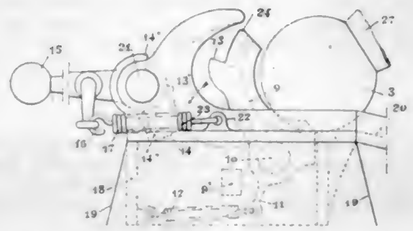
1,984,917
HEEL TRIMMING MACHINE
Edward B. Carter, Lexington, Mass.
Application October 17, 1930, Serial No. 489,370
44 Claims. (Cl. 164—63)



1. In a machine of the kind described, flash trimming means, means to rotate a heel about a predetermined center with its edge in constant trimming relation with said trimming means during the entire trimming operation, means to feed said heel to said rotating means, and means to feed said heel through said machine after said rotative movement.

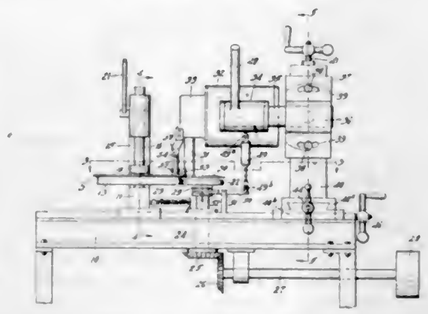
1,984,918
COUPLING
Joseph Coder, Marseille, France
Application September 10, 1932, Serial No. 632,611
In France November 21, 1931
5 Claims. (Cl. 280—33.15)

5. A coupling for vehicles of the ball and socket type comprising in combination: a ball head carried by an arm inclined at an acute angle to the horizontal; a socket arranged substantially symmetrically to the longitudinal axis of said inclined arm and having a pivoted movable portion which in the open position permits of the entry of the ball head into the socket and in the closed position holds the ball head in the sockets; automatic means for locking the pivoted movable socket portion in the closed position; and a stop located vertically below the centre of the socket,



which holds the movable socket portion in the closed position, said stop serving also to receive the load, substantially as described.

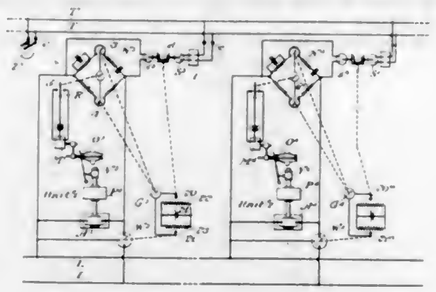
1,984,919
METHOD AND APPARATUS FOR MAKING SKIVED OR BEVEL-EDGED ARTICLES FROM FLEXIBLE MATERIAL
Maurice E. Davis, Grand Rapids, Mich., assignor to Harry E. Moyses, New York, N. Y.
Application January 26, 1931, Serial No. 511,291
12 Claims. (Cl. 164—63)



1. That method of cutting skived or beveled edged articles from flexible sheet material which comprises depressing the same into a cavity of the outline of the desired article and clamping the depressed portion in the cavity with the margins of the depressed portion of the sheet extending angularly out of the edges of the cavity and cutting the margins of the sheet from the depressed portion progressively all about the perimeter of said cavity by a cut directed outwardly thereof and substantially in a plane parallel with that of the edge of the cavity to form a skived or beveled edge.

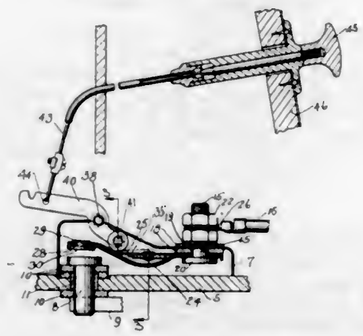
1,984,920
METHOD AND APPARATUS FOR CONTROLLING ALTERNATING CURRENT GENERATING UNITS
Edgar D. Doyle, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 9, 1931, Serial No. 536,160
15 Claims. (Cl. 290—4)

4. A control for an alternating current generating unit including an alternator and a prime mover therefor comprising a balanced system for varying the input energy to said prime mover, means for integrating the difference between the frequency of the generated current and a standard, and means responsive to change in output of said alternator, said integrating means and said



responsive means jointly affecting the balance of said system.

1,984,921
STARTING MOTOR SWITCH
Louis B. Ehrlich, Toledo, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application February 3, 1930, Serial No. 425,664
4 Claims. (Cl. 200—165)



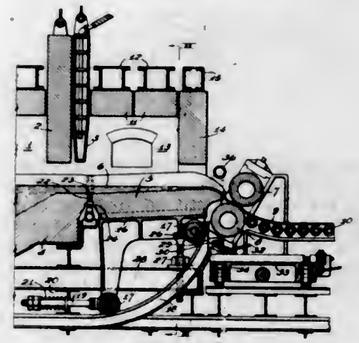
1. In a device of the character disclosed comprising a switch housing; a terminal insulatingly supported upon said housing; a current conducting element secured to said terminal; guiding means for said current conducting element including a member of insulating material movable therewith; and manipulating means including a lever supported upon said housing adapted for cooperative engagement with said current conducting member.

1,984,922
COMPOSITION MATERIAL
Wallace C. Fischer, Chicago, Ill.
No Drawing. Application October 6, 1930, Serial No. 486,741
16 Claims. (Cl. 91—68)

1. A composition sheet comprising a bituminized fibrous foundation coated with an adhesive composition including rubber, resinous material and an inert filler.

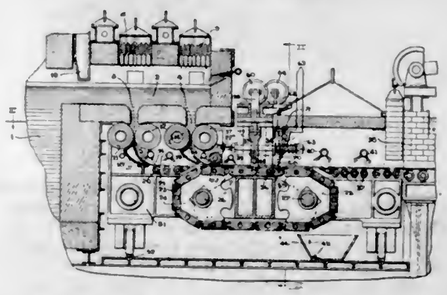
6. A method for producing composition sheet material comprising dissolving rubber and resin with a petroleum oil, incorporating finely ground inert material in the solution while in a heated condition, and applying the mixed mass to a waterproofed fibrous foundation.

1,984,923
ADJUSTABLE LIP FOR GLASS MELTING TANKS
John H. Fox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application November 11, 1932, Serial No. 642,257
13 Claims. (Cl. 49—33)



1. The combination with a glass melting tank having an outlet at one end and a pair of sizing rolls in opposition to said outlet of a refractory hearth constituting the lower wall of said outlet and having one end pivotally mounted within the tank for swinging movement in a vertical direction with the free end in position to discharge the glass flowing thereover to the rolls and means for adjusting the hearth and the rolls.

1,984,924
APPARATUS FOR MAKING INSULATING GLASS
John H. Fox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application August 5, 1933, Serial No. 683,879
8 Claims. (Cl. 49—3)



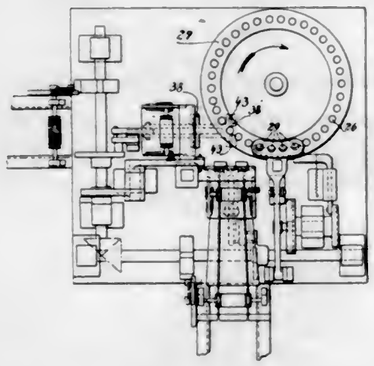
1. Apparatus for making insulating glass comprising means for continuously forming two sheets of glass and bringing them together while still plastic to form a continuous integral plate, said means being provided with projections to form air pockets in said plate, an endless conveyor or table for receiving the plate mounted for movement in the direction of travel of the plate, and provided with spaced die receiving grooves extending transversely of the table, a carrier mounted in opposition to the table and movable back and forth longitudinally of the table, and a die on the carrier mounted for movement toward and from the table and adapted to enter said grooves and sever the plate into sections.

1,984,925
RESISTOR
Frank Gahn, Erie, Pa., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application January 16, 1933, Serial No. 651,968
1 Claim. (Cl. 201—76)



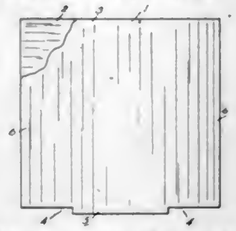
A resistor having a layer of material of low electric conductivity for a resistor element and a backing for the element of insulating material, both of said materials comprising a binder, the binder of one of said materials being a phenolic condensation and the binder of the other of said materials being shellac.

1,984,926
MANUFACTURE OF GALVANIC CELLS
Alfred Heilbrunn, Hamburg, Germany, assignor to the firm L. Anker Maschinenfabrik, Hamburg, Germany
Application August 12, 1932, Serial No. 628,593
In Germany July 2, 1931
6 Claims. (Cl. 226—1)



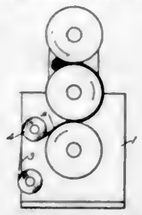
1. In a machine for continuous filling and cooking galvanic cells having a mechanical conveyor for the containers through automatic devices for filling said containers with electrolyte, and for inserting the dollies together with insulation and for cooking and cooling; a horizontal stepwise operated applying wheel provided with a ring having vertical bores, means for inserting in said bores an insulating skeleton at a predetermined point of the angle of rotation and carbon dollies at a second point and means at a third point of the angle of rotation for delivering the carbon dollies together with the insulation downwardly, said delivery means consisting of synchronously moving rams, sleeves adapted to move up and down synchronously with the movement of said rams and forming of chute passages, said sleeves having a transversely displaceable checking pin, an abutting bell-crank lever for retracting said pin during the descent of the sleeve, permitting the carbon dolly which has slipped into the sleeve to drop out into containers placed underneath.

1,984,927
BAG
Paul H. Henkel, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a corporation of Pennsylvania
Application July 28, 1932, Serial No. 625,507
4 Claims. (Cl. 150—1)



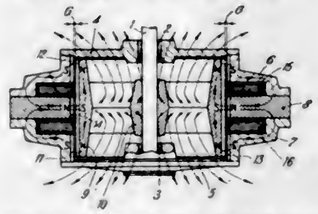
1. A bag having vulcanized rubber walls, the inner surfaces of the sides thereof being vulcanized together in a strip along the bottom.

1,984,928
METHOD OF FORMING RUBBER BAGS
Paul H. Henkel, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a corporation of Pennsylvania
Application July 28, 1932, Serial No. 625,508
Renewed July 24, 1934
12 Claims. (Cl. 154—2)



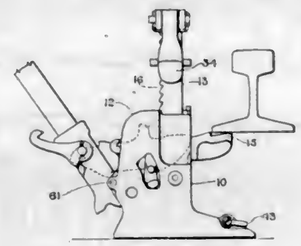
1. The method of forming rubber bags which consists in doubling a rubber sheet to form a bag tube, forming a fold at the bottom with the fold surfaces in contact, insulating the walls of the bag, and vulcanizing the bag.

1,984,929
SYNCHRONOUS MOTOR
Otto Janzen, Berlin, Germany
Application September 25, 1933, Serial No. 690,885
In Germany September 29, 1932
4 Claims. (Cl. 172—275)



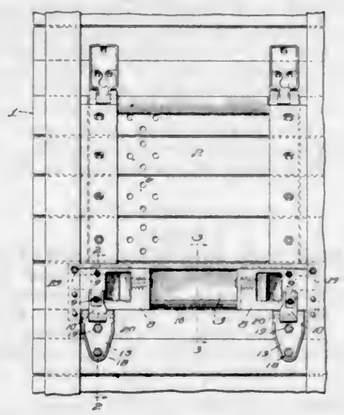
1. In a synchronous electric motor in combination a stator, a rotor, an exciting coil which is subdivided into two single coils connected in opposition, arranged axially one above the other and coaxially to the motor axis, an alternating current source which excites the two single coils simultaneously with the same frequency, a magnetizable annular member between the two single coils in which member the force lines of the two single coils are added while the secondary currents in stator and rotor are suppressed.

1,984,930
JACK
Edward O. Keator, Dayton, Ohio
Application January 9, 1933, Serial No. 650,779
15 Claims. (Cl. 254—110)



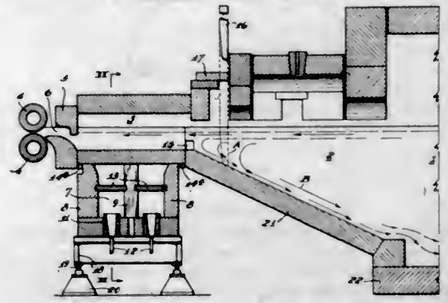
1. A lifting jack comprising a standard, a lifting element movable therein, operating means for the lifting element, a load supporting step operated by said element for lifting the load to a predetermined position with relation to the standard, and a rest slidably guided on an upper portion of said standard for movement into position below the load after the load is in said predetermined position.

1,984,931
WASHING CYLINDER DOOR CONSTRUCTION
Harry Koplin and Julius Maki, Chicago, Ill., assignors, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application November 25, 1932, Serial No. 644,153
10 Claims. (Cl. 220—32)



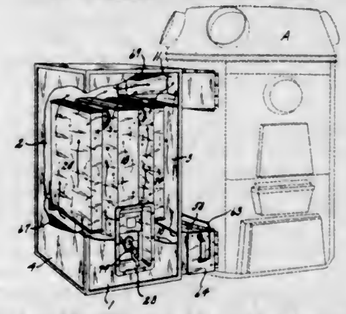
1. The combination with a washing machine cylinder having a door opening and a door sill at one side of said opening, the upper outer portion of the sill being cut away to give to the sill a step formation, of a Z-shaped hinge leaf resting on the tread of the step in the sill and having portions thereof lying against offset faces of the sill above and below said tread, said sill having a vertical slot extending downwardly therein from the plane of said tread, a tongue secured to the hinge leaf and fitted into said slot, and a bolt extending inwardly through the lower portion of said hinge leaf, through the sill and through said tongue.

1,984,932
TANK CONSTRUCTION
Walter G. Koupal, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application September 20, 1932, Serial No. 633,980
4 Claims. (Cl. 49—56)



1. In combination with a glass melting tank, a removable pot at the end of the tank from which the glass is withdrawn, a movable cut off gate mounted for vertical movement in the tank adjacent the pot and adapted in lowered position to engage the bottom of the tank and cut off the flow of glass to the pot, a drainage outlet for the pot at one end thereof provided with a removable closure and means for tilting the pot so that the bottom thereof slants downward to said outlet.

1,984,933
FURNACE STRUCTURE
Otto J. Kuenhold, Shaker Heights, Ohio, assignor to The Forest City Foundries Company, Cleveland, Ohio, a corporation of Ohio
Application October 17, 1931, Serial No. 569,433
17 Claims. (Cl. 126—116)

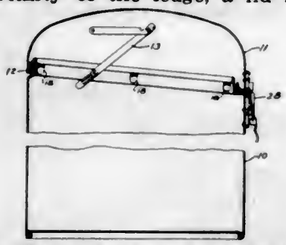


1. In combination with a main furnace of the warm air type, an auxiliary warm air furnace comprising a casing including a front panel, a back panel, interchangeable side panels, said front, back and side panels being adapted to fit together at their adjoining edges, an air heating means within said casing, and a warm air outlet in one of said interchangeable side panels adapted for duct communication with the interior of said main furnace.

1,984,934
METALLIC CONTAINER
Louis M. La Duke, Jackson, Mich., assignor to Potter Manufacturing Company, Jackson, Mich.
Application August 27, 1930, Serial No. 477,999
5 Claims. (Cl. 190—28)

1. In a container having a hinged lid, means for hingedly affixing the lid to the container and simultaneously preventing ingress of foreign matter into the container through the hinge, com-

prising a sloping ledge carried by and adjacent and substantially parallel to the top of the hinged side of the container, said ledge slanting downwardly toward the exterior of the container, a substantially vertical inset wall rising from the inner extremity of the ledge, a lid for pivotal

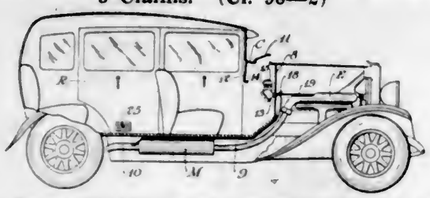


affixture to the container in a position in which its hinged extremity extends downwardly adjacent to and outside the inset wall, a hinge pin supported by the lid near the lower extremity of the hinged edge thereof, and a hinge plate rotatable about the pin and affixable to the inset wall above the normal line of the pin.

1,984,935
AUTOMOBILE HEATING SYSTEM AND HEATER

William F. La Mayeau, John W. Farmer, and Harlan M. Smith, Minneapolis, Minn., assignors to Standard Ventilator and Heater Co. Inc., Minneapolis, Minn., a corporation of Minnesota

Application June 3, 1931, Serial No. 541,850
5 Claims. (Cl. 98—2)



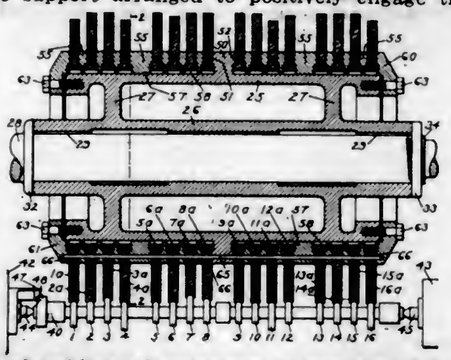
1. In combination with a motor vehicle having an enclosed body, said body being provided with a driver's seat extending transversely across the medial portion thereof, positive air projection means within the forward portion of said body adapted to direct air rearwardly of said body, means for heating the air projected and a pair of upwardly extending flues mounted in the rear portion of said body, said flues having communication with the interior of said body adjacent the floor thereof and having outlets disposed exteriorly of the body and some distance above the floor level, whereby the travelling movement of said motor vehicle will induce a discharge of air from within the body through said flue.

1,984,936
GRINDING WHEEL

Thure Larsson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application December 1, 1932, Serial No. 645,252
13 Claims. (Cl. 51—206)

1. A grinding device comprising a rotatable support for a grinding wheel, an abrasive wheel having a peripheral grinding face and a distinctive grinding sector capable of effecting a different grinding operation from that produced by another portion of the periphery, means to removably secure the wheel to said support for rotation therewith and for angular orientation relative thereto, and means including a locating device on the support arranged to positively engage the

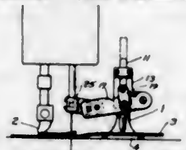


wheel and locate it in any one of several predetermined angular positions on its rotatable support relative to a given radius in said sector.

1,984,937
PINKING ATTACHMENT OR MACHINE

Benjamin H. Livinson, New York, N. Y., and Henry F. Webster, St. Louis, Mo.

Application May 31, 1933, Serial No. 673,619
6 Claims. (Cl. 112—128)

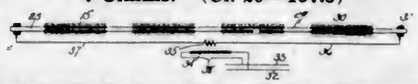


1. In a pinking attachment adapted to be used on sewing machines, a triangular shaped cutter, means slidably and vertically mounting said cutter on the sewing machine, said mounting means having a groove corresponding with the shape of the cutter adapted to hold the cutter in perfect alignment, means operating said cutter from the needle bar of the machine, a stationary die adapted to receive said cutter, and means adjusting the position of said die to engage the cutter to sharpen the cutting edges thereof as the cutter operates.

1,984,938
METHOD FOR FORMING RADIATORS

Arthur J. Mason, West Hartford, and William L. Tancred, Hartford, Conn., assignors to The Bush Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application July 24, 1931, Serial No. 552,862
7 Claims. (Cl. 29—157.3)

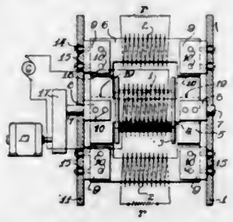


1. A method of making radiators that consists in arranging formed fins in spaced relation in series in a holder, with spaces between the series, inserting a tube through openings in said fins, then expanding said tube to secure the fins tightly in position, then applying a current of electricity to said tube to heat it for annealing purposes, cutting off the current of electricity before the portions of the tube occupied by the fins are unduly heated, then subjecting the tube to the action of annealing material, and then bending the tube in the spaces between the series of fins.

1,984,939
SIGN FLASHER

Irving Nachumsohn, Chicago, Ill., assignor to Naxon Corporation, Chicago, Ill., a corporation of Illinois

Application February 23, 1929, Serial No. 342,144
11 Claims. (Cl. 177—346)

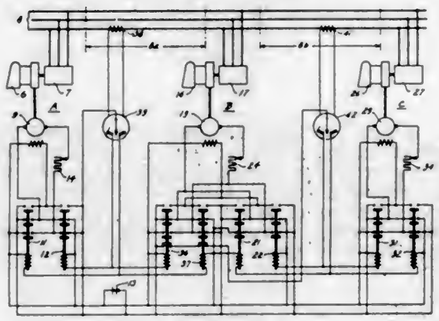


10. Apparatus of the class described comprising a plurality of gaseous conduction lamps operable for illumination and display purposes, means for variably energizing said lamps comprising a group of independent, stationary, secondary windings, each having an individual core magnetically separated from the cores of the other windings in the group, the cores being disposed in an annular series; a primary winding having a magnetic rotor adapted to be energized thereby and including a core within said primary winding, said rotor including pole members adapted during rotation to inductively couple said primary winding with said cores of said independent windings, and electrical circuit means connecting the last-named windings with said gaseous conduction lamps.

1,984,940
SYSTEM FOR REGULATING LOAD INTERCHANGE

Otto Plechl, Pfaffstatten, near Vienna, Austria, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application May 2, 1931, Serial No. 534,591
In Austria May 10, 1930
9 Claims. (Cl. 290—4)



8. In an electrical distribution system, a load circuit, a plurality of electric current generators connected with said circuit to supply energy thereto, a regulator associated with each said generator and operable to control the energy output thereof, and means connected with said circuit and operable responsive to flow of current therein for simultaneously controlling the operations of two of said regulators to thereby cause the energy output of one of said generators to be increased and the energy output of another of said generators to be decreased.

1,984,941
DYESTUFFS OF THE BENZANTHRAQUINONE ACRIDINE SERIES AND METHOD OF MAKING THEM

Heinrich Neresheimer, Ludwigshafen - on - the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

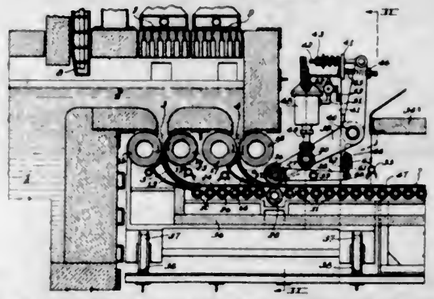
No Drawing. Application April 25, 1930, Serial No. 447,417. In Germany May 3, 1929
6 Claims. (Cl. 260—36)

1. A process of producing vat dyestuffs, which consists essentially in treating an anthraquinonyl-Bz4-amino-1,2-benzanthraquinone with a condensing agent.

1,984,942
APPARATUS FOR MAKING INSULATING GLASS

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application August 5, 1933, Serial No. 683,874
9 Claims. (Cl. 49—3)

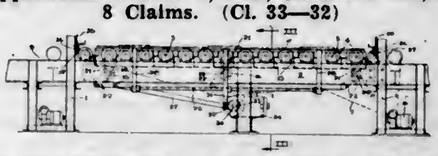


1. Apparatus for making insulating glass, comprising means for continuously forming two sheets of glass and bringing them together while still plastic to form a continuous integral plate, said means being provided with projections to form air pockets in said plates, a support for the plate therebeneath, a transverse roll in opposition to the support, and means for intermittently raising and lowering the roll to thin the plate at intervals to facilitate the subsequent severing of the plate into sections and to give glazing margins at the ends of the sections.

1,984,943
GLASS CUTTING APPARATUS

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application October 6, 1933, Serial No. 692,505
8 Claims. (Cl. 33—32)

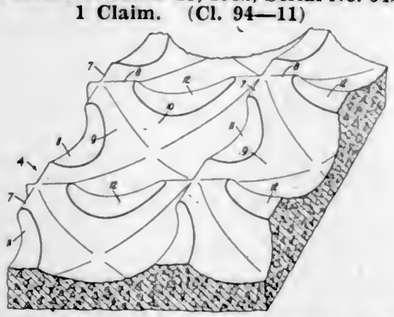


1. In combination in glass cutting apparatus, a fixed supporting frame, a series of rollers extending along the length of the frame journalled therein and constituting a roller runway for a glass sheet, means for driving the rollers, a table top supported on the frame for vertical movement and having openings through which the peripheries of the rollers project when the table top is in its lower position, means for raising and lowering the table top so that in one position the

upper face of the top lies above the peripheries of the rollers thereby raising the glass sheet from the rollers and in the other position lies below such peripheries thereby lowering the glass sheet upon the rollers, tracks at the opposite edges of the table top, a bridge mounted on the track for movement therealong, and cutting means on the bridge adjustable therealong and adapted to score a glass sheet supported on said table top when the table is in its upper position.

7. In combination in glass cutting apparatus, a runway having means for carrying a glass sheet to be cut therealong, tracks at the opposite edges of the runway, a bridge mounted on the track for movement therealong, cutting means on the bridge adjustable therealong, an electric motor carried by the bridge for moving it along the tracks, a bar extending longitudinally of one of the tracks mounted for sliding endwise movement, yielding means for holding the bar against endwise movement in either direction, limit switches adapted to be operated by the endwise movement of the bar and to cut off the supply of current to said motor, a pair of stop means carried by the bar, and means on the bridge for engaging one of said stop means when the bridge approaches the end of its travel in either direction.

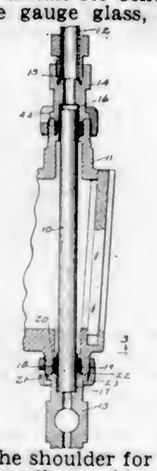
1,984,944
PAVEMENT SLAB
Pasquale J. Piccirilli, Crestwood, N. Y.
Application November 15, 1932, Serial No. 642,715
1 Claim. (Cl. 94—11)



An article for use in the construction of pavements, consisting of a moulded slab of surfacing material of substantially greater length and width than thickness and having the lower surface thereof provided with a multiplicity of ribs, certain of said ribs being substantially parallel to each other and intersecting others of said ribs also substantially parallel, each of said ribs having a cross-section forming a figure wide at the portion adjacent to the surface of the slab and relatively narrow at the portion remote from said surface, the sides of said figure being curved in such manner that each pair of adjacent ribs forms an arch between them and the intersection of two pairs of said ribs forms a vaulted arch between them, the height of each rib being so proportioned to the distance between the ribs that the arches formed between the ribs are substantially co-terminous with the ribs.

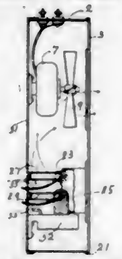
1,984,945
GAUGE GLASS APPARATUS
Frank M. Roby, Cleveland, Ohio
Application September 19, 1932, Serial No. 633,751
7 Claims. (Cl. 73—54)

1. In a gauge glass apparatus, the combination with a gauge glass, of a casing surrounding the same, a fluid carrying conduit in abutting engagement with the end of the casing and having an opening into which part of the glass extends, said conduit having a reduced exterior portion that provides a shoulder means associated with the casing and conduit for centering them with reference to the gauge glass, threaded means



bearing against the shoulder for locking the casing and conduit together, said means including a nut having a slot therein, by means of which the nut may be assembled on the conduit behind the shoulder, whereby the casing and the conduit may be locked together without rotating either with reference to the other.

1,984,946
WICK FOR THERMALLY RESPONSIVE ELEMENTS
Charles W. Sauerhoff, Baltimore, Md.
Application March 28, 1934, Serial No. 717,872
6 Claims. (Cl. 297—2)

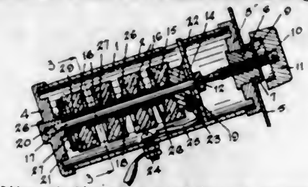


1. A wick for supplying moisture to a wet bulk element having a portion for receiving the bulb, and a portion for conveying moisture to the said bulb receiving portion, and means providing for the circulation of air around the wet bulb receiving portion consisting of openings formed within the said moisture conveying portion.

1,984,947
CONTROL DEVICE FOR AUTOMOTIVE GENERATORS
Alvin W. Schweibold, Monroe, Mich.
Application July 28, 1931, Serial No. 553,607
2 Claims. (Cl. 201—51)

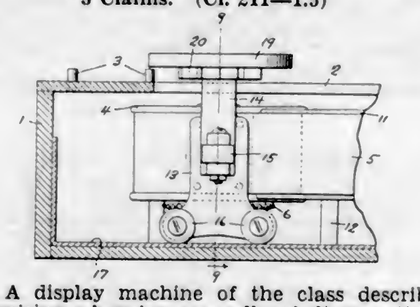
1. In a generator control adapted to be connected in series with the field coil of the generator, a tubular housing having threaded end portions, a pair of end closure caps threadably connected to the housing, one of said pair of caps having a boss portion, a recess formed in said boss portion, an insulated shaft, one end of the insulated shaft disposed within the said recess

and adapted to be reciprocated therein, a plate extending transverse the housing and being reciprocable for a limited distance within the housing, the other end of said shaft connected to the plate, a hand operable screw threadably mounted in the other of said pair of caps, the screw adapted to engage the said plate whereby the plate may be moved toward the first named end cap, a plurality of discular resistance members, each of said plurality of discular resistance members having surfaces adapted to contact with like surfaces on the neighboring discular resistance members, means for connecting the discs in circuit with the field coil of a generator,



the plurality of discular resistance members slidably mounted on the shaft intermediate the plate and the first named end cap whereby upon movement of the plate toward the first named end cap the discular resistance members will be moved toward each other to decrease the resistance to the passage of an electrical current therethrough and resilient means for effecting separation of the discular resistance members when the plate is moved toward the second named end cap to increase the resistance to the passage of an electrical current therethrough whereby the resistance in the circuit of the generator field coil may be varied according to the operation of the hand operable screw.

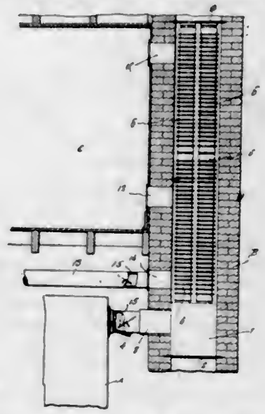
1,984,948
DISPLAY MACHINE
Isaac Vernon Sigsbee, Peoria, Ill.
Application February 5, 1934, Serial No. 709,845
5 Claims. (Cl. 211—1.5)



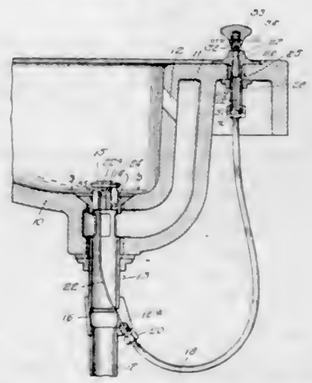
1. A display machine of the class described comprising a housing, an endless belt operatively mounted in the housing, means for actuating the belt, wheeled carriages mounted in the housing and connected to the belt for actuation thereby, platforms rotatably mounted on the carriages, and means for oscillating the platforms, the last-named means including star wheels rigidly connected to the platforms, and pins on the housing engageable with said star wheels.

1,984,949
FRESH AIR HEATER AND CIRCULATOR
Harold Elliott Smith, Wildwood, N. J.
Application January 19, 1934, Serial No. 707,410
3 Claims. (Cl. 237—55)

3. In combination with a heating device for a building and a chimney, a box located in the lower part of the chimney, means for introducing the products of combustion from the heating device into the box, a plate extending across the upper part of the chimney, a tubular member connecting the top part of the box with the plate, said plate having an opening therein for placing the interior of the tubular member in communication with that part of the chimney above the plate, controlled means for introducing air into the chimney space above the box, and registers for connecting said space with an interior part of the building.

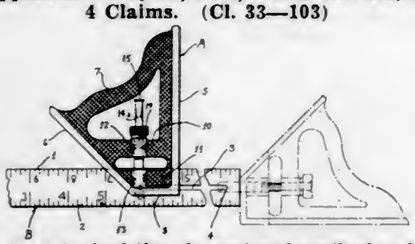


1,984,950
WASTE APPARATUS
Harry S. Steen, Chicago, Ill., assignor to Chicago Faucet Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1934, Serial No. 705,288
7 Claims. (Cl. 4—203)



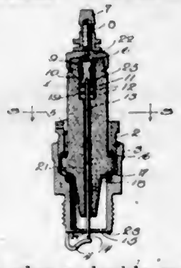
1. Structure of the character described, including: a substantially vertical waste pipe; a vertically movable valve member in the waste pipe; and a flexible guide casing with a flexible operating member slidably mounted therein, one end of said guide casing attached to the waste pipe so as to direct the flexible operating member into the waste pipe in a substantially vertical direction, one end of said operating member being attached to said valve member, the other end of said casing being fixed at a point remote from said valve member, said operating member projecting from said casing at said point and being provided with means whereby the same may be manually operated.

1,984,951
COMBINATION SQUARE
Austin L. Stowell, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application May 28, 1931, Serial No. 540,659
4 Claims. (Cl. 33—103)



1. In a tool of the character described, a head provided with a groove, a blade slidably mounted in said groove and having a channel closed at each end, a bolt carried by said head and having a projection engaging in said channel, and a nut threaded on said bolt, said bolt being formed with means for permanently retaining the nut thereon.

1,984,952
SPARK PLUG
Lewis J. Tetlow, Holyoke, Mass.
Application August 12, 1929, Serial No. 385,247
14 Claims. (Cl. 123—169)

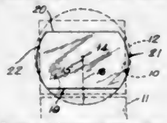


1. In a spark plug a double seat for the insulator body comprising two separate contacting metal rings, the metal of each ring being softer than the shell of the plug and one of said rings being fixed to the shell.

2. A coupler gland for spark plugs having guide rivets for centering the porcelain body.

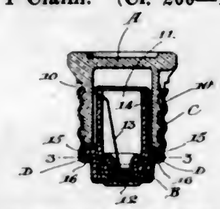
5. A spark plug comprising a shell, a porcelain body and a gland, said body having a large center bore at the top connecting with a small center bore, a conductor pin in said small center bore, two spaced washers pressed on the pin near one end and seated in the large bore, a mica washer resting on the outer washer, a cup fitting in said large bore and inverted on said washer, a cap on said body adapted to hold the cup against said washer, the cup being partly filled with mercury.

1,984,953
DOUBLE LENS STRUCTURE
William M. Thomas, Los Angeles, Calif.
Application November 21, 1933, Serial No. 698,998
3 Claims. (Cl. 88—16.6)



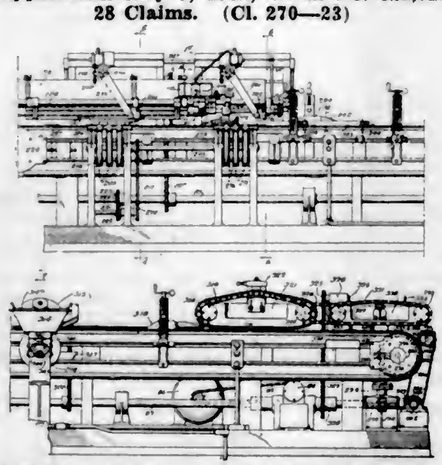
1. A double lens structure for use with a double aperture film gate in projecting superimposed images, comprising two lens elements in which the optical and geometrical axes are relatively displaced, with adjacent sides cut away perpendicular to the line joining said axes to form flattened surfaces and with their opposite sides also cut away, the optical and geometrical axes of both said lens elements lying in the same transverse medial line of said elements.

1,984,954
FUSE PLUG
Trygve Wold, Georgetown, Ontario, Canada, assignor to Smith & Stone Limited, Georgetown, Canada
Application March 17, 1934, Serial No. 716,147
1 Claim. (Cl. 200—130)



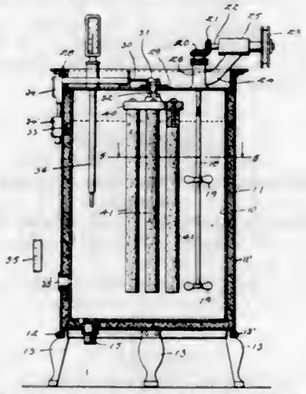
A fuse plug comprising a base member having a cylindrical portion with external screw threading, a porcelain fuse-carrying member having a cylindrical portion adapted to extend within the cylindrical portion of the base member and having an annular flange adapted to abut the top of the cylindrical portion on the base member, a threaded metallic shell engaging the exterior of the base member having an internal flange adapted to extend over the flange on the porcelain member and a flexible sealing washer extending between the flange on the porcelain member and the flange on the shell all as substantially set forth and described.

1,984,955
INSERTING AND WRAPPING MACHINE
Raymond E. Ackley, Chicago, Ill., assignor to R. R. Donnelley & Sons Co., Chicago, Ill., a corporation of Illinois
Application July 9, 1932, Serial No. 621,718
28 Claims. (Cl. 270—23)



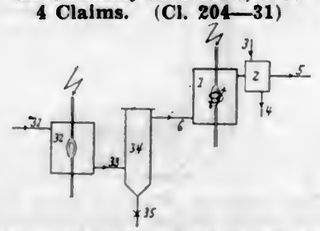
1. In a wrapping machine, the combination of a support along which material comprising the article to be wrapped and a wrapper therefor is moved, and a flare device comprising two sections, the first of said sections being adapted to fold a portion of the material to a position substantially at right angles to the support, and the second section being adapted to further fold said portion of the material to a position overlying the support and substantially parallel thereto, said second section being adjustably fastened to the first section in such manner that it may be adjusted toward and away from said support to adapt the flare-device for the wrapping of articles of different thicknesses.

1,984,956
APPARATUS FOR PASTEURIZING MILK
Thomas H. Anglim, Dunkirk, N. Y.
Application October 21, 1930, Serial No. 490,319
5 Claims. (Cl. 219—40)



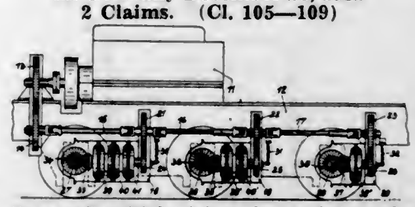
1. In an apparatus of the class described, a container including a wall constituting an electrode, said wall including a plurality of metallic elements constituting an alloy, comprising nickel, steel, and chromium, means for insulating the wall, a transverse element extending across the upper portion of the container, an inner electrode connected with the transverse element spaced with reference to the walls of the container, and including material preventing the surface accumulation during pasteurization of any portion of the milk content of the container.

1,984,957
PRODUCTION OF ACETYLENE
Paul Baumann, Ludwigshafen - on - the - Rhine, Robert Stadler, Ziegelhausen, and Heinrich Schilling and Hanns Bückert, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application August 23, 1930, Serial No. 477,380
In Germany March 25, 1930
4 Claims. (Cl. 204—31)



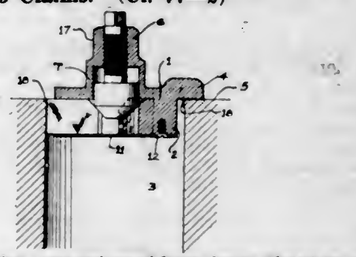
4. In the production of acetylene from gases comprising hydrocarbons by the electric arc treatment, the step which comprises subjecting a gas comprising hydrocarbons to an electric arc treatment producing carbon black from part of the initial gas, removing from said gas the carbon black and the unsaturated hydrocarbons formed in said treatment, preheating the resulting gases by indirect heat exchange with the gas leaving the said electric arc, supplying it to an electric arc for producing acetylene, and chilling the gas leaving the last electric arc.

1,984,958
INDIVIDUAL TWO- OR MULTI-STAGE AXLE DRIVE FOR RAIL VEHICLES WITH FÖTTINGER GEARS
Ulrich Barske, Hanover, Germany, assignor to Franz Kruckenberg and Curt Stedefeld, Hanover, Germany
Application December 21, 1933, Serial No. 703,472
In Germany December 24, 1932
2 Claims. (Cl. 105—109)



1. In a rail vehicle driven by an internal combustion engine, a plurality of driving axles, multistage transmission gears distributed to the driving axles, and means adapted to transmit the power to the transmission gears the speed stages of which consist in hydraulic Föttinger transmission gears, all driving axles associated with one source of power being provided with the speed stage corresponding to the lowest running speed while the number of axles provided with the further speed stages is reduced in the same measure as a smaller number of driven axles is required on account of the higher running speeds and lower tractive efforts.

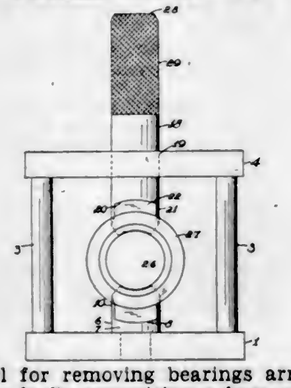
1,984,959
TOOL FOR REMOVING RIDGES
Lawrence O. Beard, Lancaster, Pa.
Application July 29, 1932, Serial No. 625,917
3 Claims. (Cl. 77—2)



1. A tool for removing ridges from the top of a cylinder comprising a cylindrical cutter head body portion, three symmetrically arranged lugs extending radially from said body adapted to seat said body upon the cylinder block and suspend same into said cylinder, said body having a central bore and open ended radial slots of substantial width communicating with said bore, a hollow internally threaded extension on the top of said body communicating with said bore, blades of substantial thickness adjustably mounted in said slots and formed with inner beveled ends said blades having means on one end for relieving the cutting edge of said blades, an expansion plug having a stem threadedly mounted in said threaded extension and a beveled head por-

tion freely engaging the beveled ends of the blades, said stem and said extension have tool engaging extremities for the application of a wrench or other tool.

1,984,960
TOOL FOR REMOVING BEARINGS
Lawrence O. Beard, Lancaster, Pa.
Application June 4, 1934, Serial No. 729,027
6 Claims. (Cl. 254—104)



1. A tool for removing bearings arranged in pairs from shafts comprising a base member, a guide member arranged above said base member in spaced relation with respect thereto, means for connecting and spacing said member, and removable wedging members rotatably mounted in said base and guide members, said wedging members being adapted to be shifted relatively toward each other to cause the bearings to be wedged apart.

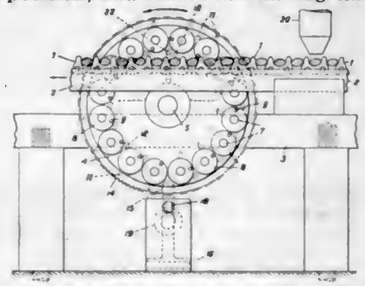
1,984,961
FASTENER
Earl Stewart Becker, Schenectady, N. Y.
Application July 30, 1932, Serial No. 627,045
3 Claims. (Cl. 24—131)



1. A device of the type described consisting of a length of wire forming a straight shank, one end of the shank being bent into an eye, the opposite end of the shank being sharply return bent toward the eye and curved to form a helical coil located at one side of and along the shank and projecting substantially equally from opposite sides of the shank.

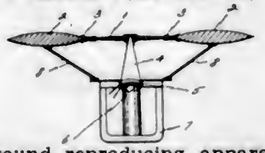
1,984,962
DEVICE FOR REVERSING CIGARETTES AND SIMILARLY-SHAPED ARTICLES OF MANUFACTURE WHEN PACKING SAME
Walter Brunn, Dresden, and Clemens Kaubisch, Freital-Zaukerode, near Dresden, Germany, assignors to United Cigarette Machine Company, Aktiengesellschaft, Dresden, Germany
Application October 30, 1933, Serial No. 695,940
In Germany January 7, 1933
4 Claims. (Cl. 226—5)

1. In combination with a conveying device feeding parallel obliquely located cigarettes and similarly shaped articles of manufacture onto packing boxes or the like, a reversing device for the respective articles of manufacture which are lying on the wrong side, said device comprising a movable stop adapted to be moved into the path of the respective article and to contact with the one edge of the article when in its operative position, and means for moving said stop,



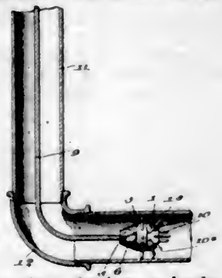
during its operation, in a curved path intersecting the path of the article to be turned and and having a component in the direction of the path of the article.

1,984,963
SOUND REPRODUCER
Robert B. Campbell, Vancouver, British Columbia, Canada
Application January 25, 1933, Serial No. 653,533
7 Claims. (Cl. 181—31)



1. In a sound reproducing apparatus of the kind described, a support, a central diaphragm member having walls of tapering thickness from the axis thereof to its peripheral edge, a concentric annulus surrounding said central diaphragm member and rigidly secured thereto, said annulus having a web thickness approximately eight times that of the axis of said central diaphragm, and means for rigidly connecting said diaphragm and annulus to said support, said means comprising brace rods having one end connected to said annulus and the opposite ends converging to and connected to said support.

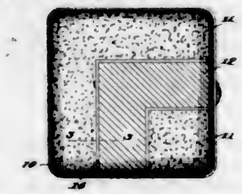
1,984,964
PIPE CLEANER
Robert P. Clark and Henry E. Fee, Phoenix, Ariz.
Application July 25, 1933, Serial No. 682,124
1 Claim. (Cl. 15—104.30)



In a pipe cleaning device, a body member, a plurality of rigid spaced apart pins disposed at equal distances from the central axis of the body member and projecting forwardly from the end thereof, a plurality of rows of spaced apart pins secured to said body portion, said pins being inclined forwardly at an angle to the longitudinal

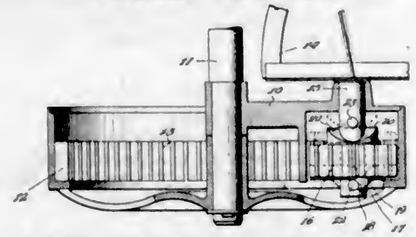
axis, the ends of the pins on one row terminating in a plane at right angles to the axis and at equal distances from the center and the ends of the pins of an adjacent row in the rear being in a common plane at right angles to the axis and at equi-distant points farther away from the center than the ends of the pins of the adjacent row in front.

1,984,965
ORNAMENTING ENAMELED ARTICLES
Aristide L. Cremo, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application April 20, 1934, Serial No. 721,589
9 Claims. (Cl. 41—26)



9. The art of ornamenting comprising laying on a base two sections of contiguous lacquer enamel, covering the junction of the sections with lacquer enamel, applying clear lacquer enamel thereto in a layer at least as thick as the lacquer enamel covering the junction, and polishing the whole to a substantially smooth surface.

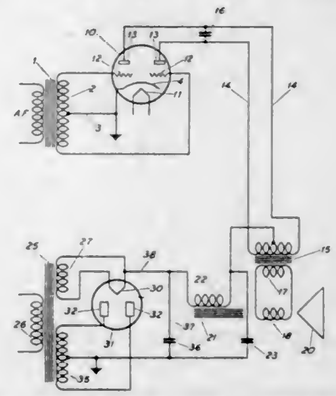
1,984,966
LAWN-MOWER CLUTCH
Robert O. Dohm, Dane, Wis.
Application February 13, 1934, Serial No. 711,079
3 Claims. (Cl. 56—294)



1. A drive clutch for the reel shaft of a lawn mower including a shaft, a drive element journaled thereon and shiftable axially of the shaft, spaced pins carried by the shaft and confining said element therebetween, ratchet teeth on one end of said element engageable with one of said pins and having inclined faces to coact with said pin for shifting said element in one direction on the shaft, and spaced cams on the opposite end of said element to coact with the other of said pins for shifting said element in the opposite direction on said shaft.

1,984,967
AMPLIFIER SYSTEM
Henry M. Dressel, Chicago, Ill., assignor to Grigsby-Grunow Company, Chicago, Ill., a corporation of Illinois; Frank M. McKey, receiver
Application March 20, 1933, Serial No. 661,763
9 Claims. (Cl. 179—171)

1. In an audio-frequency amplifier, the combination of at least one vacuum tube, said tube having such characteristic and being operated in such a manner that during the normal operation thereof the plate current passes through a range of values great in comparison to a tube operated with normal negatively biased grid, a power supply therefor, said power supply having a comparatively poor regulation so that an increase in plate current through said



tube results in a substantial decrease in the available potential, a speaker of the electro-dynamic type having a magnetizing coil, means for feeding the output of said amplifier to said speaker, and means for feeding said power supply output through said magnetizing coil whereby said coil functions as a filtering inductance.

1,984,968
METHOD OF PRODUCING PYROPHOSPHATES
Augustus H. Fiske, Warren, and Charles S. Bryan, East Providence, R. I., assignors to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island
No Drawing. Application August 31, 1931, Serial No. 560,510
1 Claim. (Cl. 23—107)

That method of producing an acid sodium pyrophosphate free from metaphosphate consisting in mixing to reactive dryness, without evaporation, phosphoric acid of substantially 50 to 55° Baumé with caustic soda while heating at atmospheric pressure to substantially 200° C. until a permanent dry acid sodium phosphate is formed.

1,984,969
COLLAR HOLDER
Lyle H. Fisher and Alfred E. Galiani, New York, N. Y.
Application June 16, 1933, Serial No. 676,165
1 Claim. (Cl. 24—81)



A collar holder comprising a bar having bifurcated ends to receive a collar therein, cam levers carried by the inner furcations of said bifurcated ends, inwardly projecting portions at the extremities of the outer furcations co-operating with the cam levers to bite into a collar when the levers are in clamping position, said inwardly projecting portions constituting round enlargements, and said cam levers having curved recesses conforming in shape to the enlargements.

1,984,970
STOCKING AND SEAM CONSTRUCTION THEREFOR
Jacob A. Goodman, Indianapolis, Ind.
Application April 14, 1932, Serial No. 605,341
4 Claims. (Cl. 2—239)

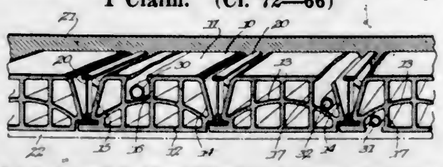


1. A stocking having a continuous rear seam joining the stocking edges and extending through the welt and leg portions, the seam in the leg being tight and embracing the fabric edges and in the welt being loose and elastic, and the seaming stitches in the welt including more thread than the stitches in the leg portion.

1,984,971
DESULPHURIZATION OF GASES
Paul Herold and Walter Baumann, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application October 23, 1931, Serial No. 570,759. In Germany October 29, 1930
5 Claims. (Cl. 23—3)

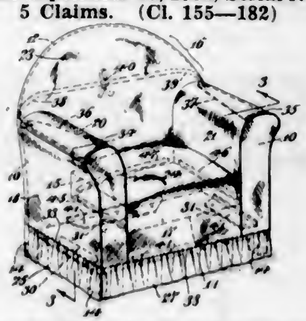
4. A process for the desulphurization of a gas contaminated with hydrogen sulphide and containing more than 7 grams of sulphur per cubic meter, which comprises passing said gas together with an oxidizing gas over active carbon while maintaining the temperature below the melting point of sulphur, cooling the gas and passing the gas again over active carbon while maintaining the temperature below the melting point of sulphur.

1,984,972
HOLLOW TILE BLOCK
Frank A. Holby, New York, N. Y., assignor to New Jersey Clay Products, Inc., New York, N. Y., a corporation of New Jersey
Application September 29, 1933, Serial No. 691,538
1 Claim. (Cl. 72—66)



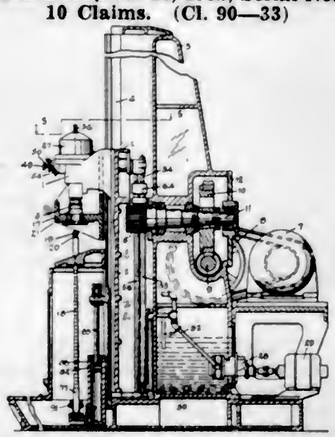
An integral hollow tile block comprising outer webs, side walls joining the edges of the outer webs, an arched web joining the side walls, each side wall including a shoulder adjacent one outer web, the springing point of the arched web being between the shoulders and the opposite outer web, the shoulders being adapted to bear upon supporting members, and the body portion of the arched web being spaced from the outer webs.

1,984,973
SLIP COVER FOR FURNITURE
Samuel Krasnov, Philadelphia, Pa., assignor to Surefit Products Company, Philadelphia, Pa., a copartnership composed of Joseph A. Krasnov and Samuel Krasnov, as copartners
Application September 18, 1934, Serial No. 744,475
5 Claims. (Cl. 155—182)



4. Slip cover for upholstered furniture having generally upright supporting legs and generally horizontal outer frame members intermediate said supporting legs and spaced upwardly from their lower extremities and generally defining the lower outer boundary of the upholstered furniture, said slip cover including portions for covering the upper part of said upholstered furniture and, in combination therewith, outer lower pendent portions extending to a level substantially beneath the lowermost level of said horizontal frame members of the upholstered furniture and being disposed in a freely draped relation to the upholstered furniture beneath the level of said horizontal frame member, and means secured to said lower pendent portions along lines spaced a substantial distance upwardly from the lower edges thereof, adapted to be extended beneath said frame members, to be anchored about the same and to be wholly concealed by said lower pendent portions.

1,984,974
BROACHING MACHINE
Francis J. Lapointe, Ann Arbor, Mich.
Application December 16, 1932, Serial No. 647,633
10 Claims. (Cl. 90—33)



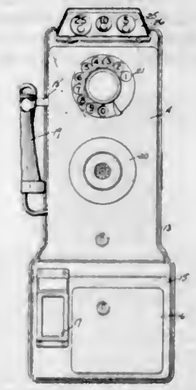
10. In a broaching machine, a draw head, means for reciprocating the draw head, a cylinder mounted on the draw head, a piston located in the cylinder, a broaching tool connected to the piston, a source of supply of fluid, a pressure means for subjecting the fluid to pressure, a passageway for conducting the fluid under pressure to the cylinder at a point located on the side of the piston on which the broaching tool is located, a one way valve located in the passageway for preventing return flow of the fluid to the pressure means, the machine having a return passageway connected to the cylinder on the broaching side of the piston and to the source of fluid supply and a pressure control valve located in the said return passageway, a spring for counteracting the fluid pressure on the control valve and normally operating to maintain the control valve closed against the pressure of fluid in the cylinder, means for adjusting the pressure of the spring for adjusting the maximum pressure transmissible from the drawhead to the broaching tool, and an adjustable stop located within the cylinder for limiting the movement of the piston relative to the cylinder in a direction in which the broaching tool is drawn by the draw head for limiting the slack between the draw head stroke and the broach movement produced by fluid escapement through the said return passageway.

1,984,975
AGITATOR
William B. Lodder, Syracuse, N. Y.
Application September 27, 1934, Serial No. 745,799
3 Claims. (Cl. 259—102)

1. An agitator comprising a receptacle, a shell in the receptacle provided with a radial arrangement of electro-magnets therein, a trough at the perimeter of the shell, a roller in the trough, and means for supporting the shell in the receptacle.

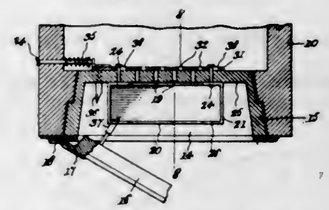
1,984,976
TELEPHONE PAY STATION
George A. Long and William W. Long, Hartford, Conn., assignors to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut
Application June 17, 1932, Serial No. 617,764
20 Claims. (Cl. 179—6.3)

1. A telephone pay station comprising circuit connections, a telephone receiver support mounted for shifting movement and coin operated means conjointly effective to control the circuit of which said connections form a part, said coin operated means comprising a switch including a medium movable to opening and closing positions and inherently capable of remaining in either of said positions or to move to the other position, and means for moving said switch while delaying operation of said medium, said means being movable in opposite directions to effect the foregoing operations, all combined with means for effecting



the action by coins of different denominations of signals of different characters.

1,984,977
REFRIGERATOR
Earl W. Mize, Jacksonville, Fla., assignor of one-fourth to Robert W. Forbes, one-fourth to Joseph A. Fitzsimmons, and one-fourth to Joseph M. Bryant, all of Jacksonville, Fla.
Application June 26, 1934, Serial No. 732,521
6 Claims. (Cl. 62—89)



1. In a refrigerator having an interior refrigerating space, a main door for the refrigerator having an auxiliary refrigerating compartment therein with a rear insulating wall having perforations therein establishing communication between the compartment and the interior refrigerating space, and a secondary door for opening and closing said compartment independently of the opening or closing movement of said main door.

1,984,978
VEHICLE BODY EQUALIZING MECHANISM
Henry K. Moffitt, Harrisburg, Pa.
Application December 22, 1932, Serial No. 648,490
14 Claims. (Cl. 280—112)

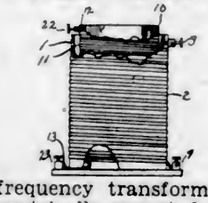


1. In combination with a relatively movable vehicle body member and support therefor, of mechanism for transmitting an elevating force to one side of the body member when the other side is elevated, including means for making the mechanism ineffective when the support is moved equally with respect to both sides of the body member.

1,984,979
RADIOFREQUENCY TRANSFORMER AND RIBBON WINDING THEREFOR

Fred C. Molter, Superior, Wis.

Application September 25, 1931, Serial No. 565,191
1 Claim. (Cl. 175—359)

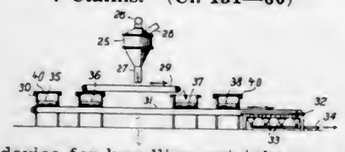


A radio frequency transformer comprising a pair of concentrically mounted smooth surfaced thin cylinders of insulating material having low dielectric and hysteresis loss properties, a primary coil consisting of a ribbon shaped conductor helically wound upon the outside of the outer cylinder with a flat surface of said ribbon lying against the surface of said cylinder, and with the adjacent convolutions of the said coil spaced apart a distance greater than the thickness dimension of said ribbon but not greater than its width, and a secondary coil consisting of a circular shaped conductor helically wound upon the outside of the inner clyinder with the adjacent convolutions thereof spaced apart a distance less than the diameter of said circular conductor (whereby the distributed capacity between said adjacent turns of the primary is small as compared with the distributed capacity between adjacent turns of the secondary).

1,984,980
APPARATUS FOR CONVEYING CUT TOBACCO

Carl Wilhelm Müller, Dresden-Weisser Hirsch, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany

Application February 13, 1932, Serial No. 592,795
In Germany February 16, 1931
7 Claims. (Cl. 131—60)



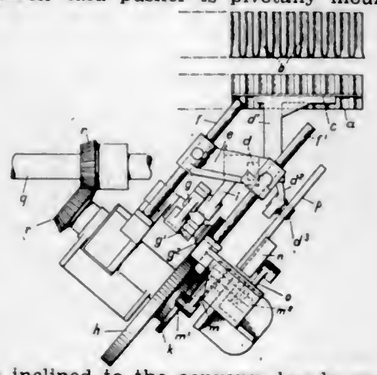
1. A device for handling cut tobacco, comprising a collecting container; a conveyor belt arranged below the container; a plurality of conveyor belts arranged at approximately right angles to the first mentioned belt; and a feed belt arranged at approximately right angles to the second-mentioned belts and adapted to convey the cut tobacco to a cigarette rod machine, said first mentioned belt being movable to feed tobacco from the container to any desired second-mentioned belts.

1,984,981
DEVICE FOR TRANSFERRING ARTICLES FROM A CONTINUOUSLY MOVING CONVEYER BAND TO ANOTHER CONVEYER BAND

Johannes Neff, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany

Application July 3, 1933, Serial No. 678,941
In Germany July 6, 1932
2 Claims. (Cl. 198—24)

1. A device for effecting the transfer of a number of articles to be packeted, as cigarettes or the like, from a conveyer band moving forward continuously to a conveyer band running parallel thereto, comprising, in combination with the conveyer bands, a pusher, the operative face of which lies parallel to the conveyer bands, a cross-head, on which said pusher is pivotally mounted, a



guide inclined to the conveyer bands on which said cross-head is reciprocated to move the pusher obliquely of the bands, means for reciprocating said cross-head, and means co-operating with said pusher at the end points of the reciprocating movement and adapted to turn it upwardly or downwardly.

1,984,982
ESTER OF POLYCARBOXYLIC ACIDS CONTAINING ONE OR MORE ALKOXY METHYLENE GROUPS AND THEIR PRODUCTION

Leonard Nicholl, Nyack, N. Y., assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York

No Drawing. Application August 9, 1932, Serial No. 628,059
22 Claims. (Cl. 260—103)

1. An ester of a polycarboxylic acid in which the hydrogen of at least one of the carboxyl groups is replaced by an alkoxy methylene group.

1,984,983
SOLVENT OR PLASTICIZER FOR COMPOSITIONS WITH CELLULOSE DERIVATIVES

Leonard Nicholl, Nyack, N. Y., assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York

No Drawing. Application December 6, 1932, Serial No. 645,949
14 Claims. (Cl. 106—40)

1. A composition of matter comprising a cellulose derivative and an ester of a polycarboxylic acid in which the hydrogen of at least one of the carboxyl groups is replaced by an alkoxy methylene group.

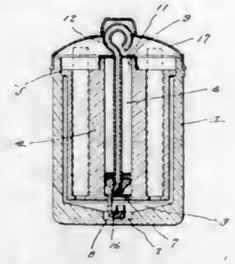
1,984,984
DEVICE FOR MEDICATING CIGARETTES

Walter J. Perry, Baltimore, Md.

Application October 16, 1933, Serial No. 693,887
2 Claims. (Cl. 131—30)

2. A device of the class described comprising a container having a solution receiving chamber in its bottom and a shoulder in the upper portion thereof, a cylindrical member located in the container having a flange resting on the shoulder to support the member in the container so that the bottom of the member is disposed above the solution receiving chamber, said bottom of the member having openings leading into cigarette receiving compartments formed therein, and means

incorporated in the member for forcing air into the solution receiving chamber for spraying the solu-

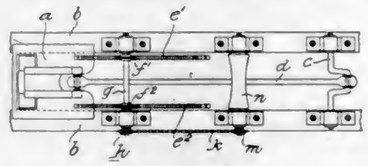


tion in the chamber upon the cigarettes through said openings.

1,984,985
MACHINE FOR THE MANUFACTURE OF ROOFING TILES, BRICKS, PAVING SLABS, PAVING TILES AND THE LIKE

William Griffith Powel, Mitcham Common, England

Application February 7, 1934, Serial No. 710,199
In Great Britain January 4, 1933
2 Claims. (Cl. 25—1)

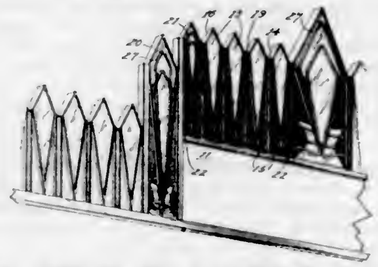


1. A machine for manufacturing roofing tiles, bricks, paving slabs and the like comprising a frame, a pallet carriage slidably mounted on said frame, means for reciprocating said pallet carriage, a pack roller mounted on the frame, and a connection between said pallet carriage and said pack roller whereby reciprocation of the former rotates the latter intermittently and in only a single direction.

1,984,986
THEATER MARQUISE

Willis O. Prouty, Hermosa Beach, Calif., assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif., a corporation of California

Application November 1, 1930, Serial No. 492,780
4 Claims. (Cl. 240—10)

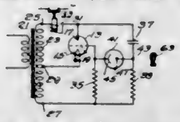


1. In a display device, a series of mirrors made from vitreous material, machinable material supported adjacent each side of the mirrors and extending substantially along each side, and luminous tubing supported on said material and disposed over the reflecting surfaces of the mirrors directly to cast light thereon.

1,984,987
PHOTOTUBE CONTROL OF GRID-GLOW TUBES

Lawrence R. Quarles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 10, 1932, Serial No. 616,481
11 Claims. (Cl. 250—41.5)

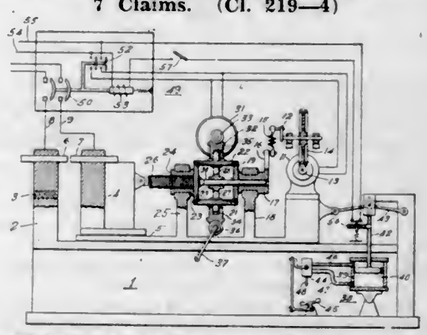


1. Translating apparatus comprising an electric discharge device including a control electrode and a plurality of principal electrodes immersed in a gaseous medium, means, including a transformer having a secondary equipped with an intermediate tap and a plurality of terminal taps, for applying potentials between the electrodes of said electric discharge device, means for connecting the principal electrodes of said device between a terminal tap and said intermediate tap of said secondary to maintain a predetermined potential between said principal electrodes, an impedance, means for connecting said impedance between said control electrode and the other terminal tap of said secondary, a plurality of additional impedances, means for connecting said additional impedances between the terminal taps of said secondary, a further impedance, means for connecting said further impedance between the control electrode of said device and the junction point of the impedances that are connected between the terminal taps of said secondary, said impedances cooperating to normally maintain the potential between the control electrode and one principal electrode of said electric discharge device substantially in opposite phase to the potential between the principal electrodes of said device thereby to maintain said device in deenergized condition and means for varying the condition of said last-named impedance to shift the phase of the potential impressed between said control electrode and said principal electrode of said device relative to the potential impressed between said principal electrodes thereby to energize said device.

1,984,988
WELDING METHOD

Wilhelm Raupach and Friedrich Kalkner, Nuremberg, Germany, assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

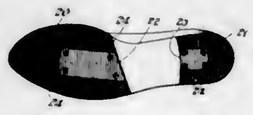
Application November 12, 1931, Serial No. 574,548
In Germany November 13, 1930
7 Claims. (Cl. 219—4)



5. Welding aparatus comprising, in combination, means for supporting parts on which a weld-

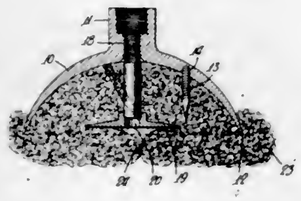
ing operation is to be performed, a welding circuit connected to said parts, a motor having driving engagement with at least one of said parts for causing them to repeatedly engage and disengage for drawing and extinguishing an arc produced therebetween by said welding circuit, and means disposed to cooperate with said motor for compensating for the burning away of said parts during the welding operation.

1,984,989
PEDAL ATTACHMENT FOR DANCING AND THE LIKE
George B. Reed, Philadelphia, Pa.
Application August 17, 1929, Serial No. 386,697
6 Claims. (Cl. 36—8.3)



1. A pedal attachment for executing various intricate movements in dancing or the like, having a floor contacting area divided into surfaces exhibiting widely different frictional characteristics with respect to the floor upon which it is used, a portion of said surfaces having relatively low frictional characteristics and being arranged inwardly of said area and permitting free gliding movement over the floor when the foot of the wearer is in normal position, and other portions of said surfaces having markedly higher frictional characteristics and being arranged in positions including the extreme front and sides where they can be brought into play upon tilting the foot in forward or lateral directions from the normal position.

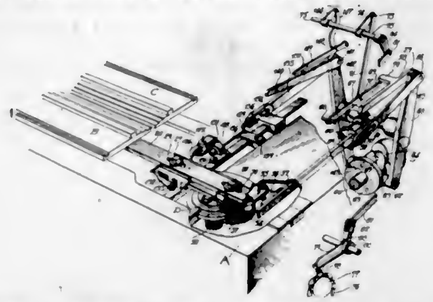
1,984,990
SURFACING HEAD
Alfred Reineman, New York, N. Y.
Application February 7, 1933, Serial No. 655,549
Renewed November 9, 1934
9 Claims. (Cl. 15—230)



1. A rotary metal wool surfacing head comprising a bell-shaped wool holder, impaling pins therein for the wool, and a central clamping member in said head holding the wool in compacted position.

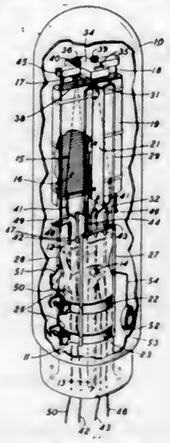
1,984,991
KNITTING MACHINE
Ladislaus Robaczynski, Brooklyn, N. Y.
Application April 12, 1932, Serial No. 604,675
27 Claims. (Cl. 66—63)

1. In a knitting machine, a pair of needle beds, means for racking one of said needle beds relative to the other needle bed, a plurality of excentrics of different degree of throw for imparting different degrees of racking movement to said movable



needle bed, and means for rending said excentrics singly operative.

1,984,992
ELECTRON DISCHARGE DEVICE
Victor L. Ronci, Brooklyn, N. Y., and James E. Clark, Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1931, Serial No. 530,198
17 Claims. (Cl. 250—27.5)

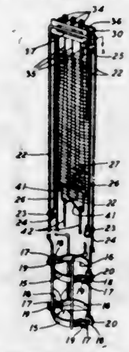


1. An electron discharge device comprising an enclosing vessel having a stem, a hollow anode having flanged portions projecting above said stem, frame members supported from said stem on opposite sides of said flanged portions and extending therethrough, a grid and a cathode within said anode, and insulating means extending across said frame members and anode for supporting said grid and cathode in interspace relation with respect to said anode.

1,984,993
ELECTRON DISCHARGE DEVICE
Victor L. Ronci and Joseph P. Laico, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 17, 1931, Serial No. 581,548
12 Claims. (Cl. 250—27.5)

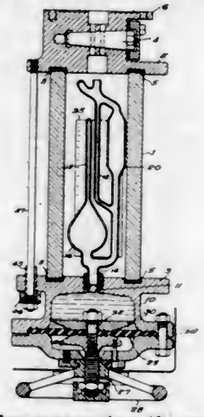
1. An electron discharge device comprising an enclosing vessel having a stem, a plurality of rigidly interconnected metallic frame members extending from said stem, and a plurality of electrodes resiliently supported by said frame

members, one of said electrodes being electrically connected to said frame members and an-



other of said electrodes being insulated from said frame members.

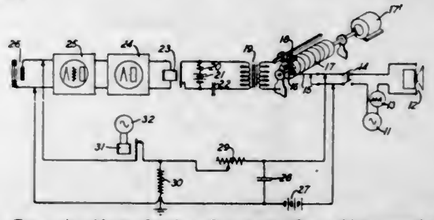
1,984,994
McLEOD GAUGE
Herbert A. Rose, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1932, Serial No. 635,529
10 Claims. (Cl. 73—31)



1. A gauge for measuring the pressure of the non-condensing gases in a vapor-electric device comprising a chamber adapted for connection to the vapor electric device, a second chamber sealed against the pressure outside the gauge, there being a passage between said chambers, a packing stem secured in said passage, a capillary tube connected to said stem, a second tube connected to said stem, said second tube opening into the first-mentioned chamber, a low vapor pressure liquid in said second chamber and means for decreasing or increasing the volume of said second chamber for forcing the liquid into or withdrawing the liquid from the tubes.

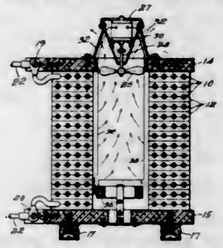
1,984,995
TESTING DEVICE
Carl H. Rumpel, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1933, Serial No. 696,299
5 Claims. (Cl. 181—0.5)

1. A method for testing a reverberation meter which consists in utilizing the direct current discharge of a condenser through a resistance, modulating the potential drop so obtained across said resistance to actuate said reverberation meter, and determining the interval of time it takes said modulated voltage to fall from one value to another.



2. In a testing device for reverberation meters, a source of direct current energy, a condenser to be charged to the potential of said source, means for disconnecting said source, a resistance in the discharge circuit of said condenser, and means for modulating the potential drop across said resistance, said means comprising a vibrating relay.

1,984,996
VENTILATING MEANS FOR ELECTRICAL WINDINGS
Louis E. Sauer, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1933, Serial No. 651,727
12 Claims. (Cl. 175—359)

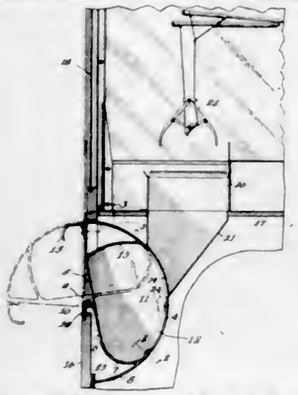


1. In combination, an electrical winding disposed to carry an alternating current, a ventilating system therefor comprising a propeller for forcing cooling fluid through the winding, a motor for driving the propeller, an auxiliary winding magnetically coupled to said main winding, and a circuit for connecting the motor to the auxiliary winding to effect energization therefrom.

1,984,997
DELIVERY DEVICE
Percy C. Smith, Chicago, Ill., assignor to John F. Meyer, Flintridge, Calif.
Application September 30, 1933, Serial No. 691,633
2 Claims. (Cl. 221—146)

1. In a delivery device for use in a vending or amusement machine having a delivery opening in one wall thereof and a delivery chute therein spaced from said opening, a body providing a pocket, a part on said body and normally closing the delivery opening, means pivotally supporting the body in the machine whereby said body may be pivoted to move said part from closing position relative to the delivery opening, said body having an opening therein aligned with the delivery chute when said part is positioned to close said delivery opening, a protective wall on said body extending between said part and the edge of the opening in the body nearest to said part, a wall on

said body extending from the edge of the opening therein most remote from and forming a part of the closure for said pocket, and means to facilitate pivotal movement of said body whereby when said body is pivoted to move said part from closing position relative to said delivery opening, the



opening in said body moves from alignment with the delivery chute and said protective wall closes off the delivery chute until the opening in said body is out of alignment with the delivery chute whereupon the wall forming a part of the closure for said pocket closes off the delivery chute.

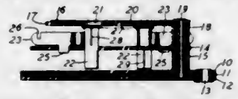
1,984,998

MOUNTING FOR ELECTRICAL DEVICES

Ernest Soreny, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 25, 1931, Serial No. 553,107

6 Claims. (Cl. 173—328)



2. A mounting for an electrical device comprising a pair of plates secured in parallel spaced relation, said plates being provided with complementary aligned apertures for receiving terminal prongs on said device, and conducting members, each member including a terminal portion having an integral extension for attachment to one of said plates, an expansible contact portion extending through one of said apertures in said one plate and adjacent the complementary aperture in the other plate, and an intermediate portion integral with said terminal and contact portions, said intermediate portion being rigid parallel to the axis of said apertures and flexible at right angles to said axis.

1,984,999

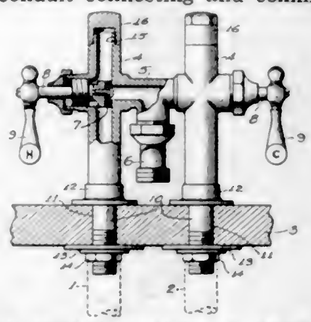
FAUCET

Charles F. Stoddard, Chicago, Ill., assignor to Robert S. Grogan, Chicago, Ill.

Application July 24, 1933, Serial No. 681,815

1 Claim. (Cl. 137—111)

A four-way combination hot and cold water faucet adapted for connection to either underlying or overhead water supply pipes, comprising laterally spaced vertical conduits each formed on its upper end with an externally threaded nipple and having a reduced externally threaded lower portion adapted to extend through a support, clamp nuts on said threaded lower portions, and a pair of internally threaded caps; said nipples and reduced lower portions being of uniform diameter and each adapted to engage either with said caps or with water supply pipes, a cross conduit connecting and communicating



with said vertical conduits, a swiveled spout communicating with said cross conduit, and valves controlling communication of said vertical conduits with said cross conduit.

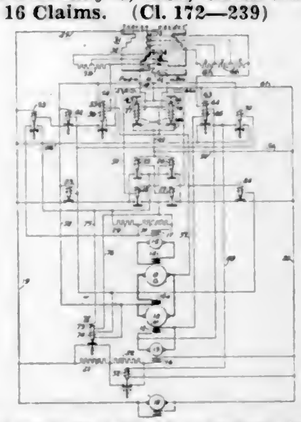
1,985,000

POWER-TRANSMISSION SYSTEM

Wilfred Sykes, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application February 7, 1931, Serial No. 514,195

16 Claims. (Cl. 172—239)



13. In a power-transmission system, in combination, a motor, a generator for supplying power to the motor, a source of excitation for the generator, means including a differential relay operable to control the voltage of the excitation source, a constant potential source of power, and means including a controller for impressing predetermined voltages from the power source directly upon said differential relay dependent upon the setting of the controller, said differential relay also being responsive to the voltage of the generator whereby the means including the differential relay is operated to maintain the generator voltage at a substantially constant value, as determined by the setting of the controller, as its load varies.

1,985,001

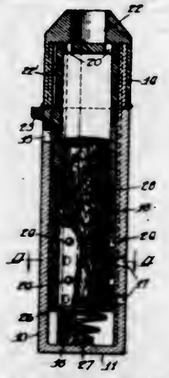
INHALER

Harry M. Thometz, Oak Park, Ill.

Application July 1, 1933, Serial No. 678,577

4 Claims. (Cl. 128—200)

1. An inhaler comprising an outer cylindrical casing, longitudinally spaced apart ribs extending inwardly from the inner surface of said casing, a reciprocable cylindrical casing within said outer casing and adapted to engage said ribs, said outer casing having a longitudinal slot adjacent the upper end thereof, a lug carried by said inner casing and extending through said slot for reciprocating said inner casing with respect to said outer casing, a nozzle secured to the upper end of said outer casing having an aperture extending therethrough, a closure portion formed at the upper end of said inner casing and adapted to close the aperture



in said nozzle, there being spaced apart apertures in said outer casing extending through the ribs thereof, and a compression spring located in the bottom of said outside casing and engageable with the lower end of said internal casing for normally actuating the inner casing upwardly with respect to the outer casing, there being spaced apart apertures in said inner casing adapted to register in alignment with the apertures in said outer casing when the inner casing is depressed with respect to the outer casing.

1,985,002

MANUFACTURE OF RUBBER ARTICLES

Douglas Frank Twiss and Edward Arthur Murphy, Wylde Green, and Alfred Niven, Erdington, England, assignors to Dunlop Rubber Company Limited, London, England, a corporation of Great Britain

No Drawing. Application July 29, 1932, Serial No. 626,216. In Great Britain August 7, 1931

2 Claims. (Cl. 91—68)

1. A method for forming on rubber articles a surface finish ranging from a smooth matte to a coarse granular texture which comprises coagulating aqueous dispersions of rubber of a controlled concentration of less than about 10% solid content into granular precipitates of substantially uncompounded dispersed rubber without added materials, and thereafter coating the articles to be provided with the surface finish with the aforesaid granular precipitate, and subsequently drying the coating thereon.

1,985,003

SPEED CONTROL

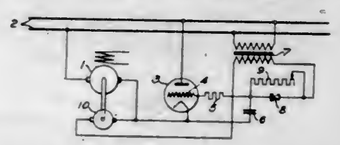
Alfred von Engel, Rudolf G. Berthold, Berlin-Siemensstadt, and Reinhold Rüdenberg, Berlin-Grunewald, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 27, 1933, Serial No. 673,202

In Germany June 18, 1932

7 Claims. (Cl. 171—312)

1. A constant speed drive comprising a direct current motor, a controlled electric valve for supplying current to said motor, a control element in said valve, a source of control potential for said control element comprising a source of alternating current, a condenser connected to said control element, a rectifying element for sup-



plying a blocking charge to said condenser from said alternating current source, means for discharging said blocking potential, a generator driven by said motor, said generator supplying current to said condenser for varying the time of discharge thereof.

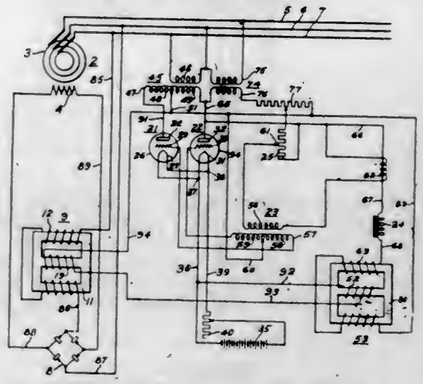
1,985,004

GENERATOR VOLTAGE REGULATOR

Charles P. West, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application October 22, 1930, Serial No. 490,388

7 Claims. (Cl. 171—119)



1. In combination, a generator having a field winding, an alternating-current supply, rectifying means for exciting said field winding from the supply, means for controlling the value of said excitation comprising a variable reactor connected in circuit with the rectifying means, means including thermionic means for superposing a uni-directional flux on said reactor to vary the effective impedance thereof, and means responsive to variations in the generator voltage for rendering the thermionic means conductive when the generator voltage is below a predetermined value and non-conductive when the generator voltage is above the predetermined value, the value of the uni-directional flux being proportional to the length of time that the thermionic means are conductive.

1,985,005

VIBRATION TRANSLATING DEVICE

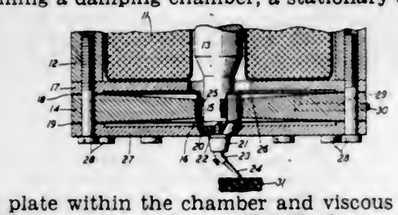
Charles F. Wiebusch, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 4, 1933, Serial No. 692,058

6 Claims. (Cl. 179—100.41)

1. In a vibration translating device, a coil, a stylus connected to the coil, spaced parallel dia-

phragms supporting the coil and stylus and forming a damping chamber, a stationary damping plate within the chamber and viscous material between the plate and the diaphragms.

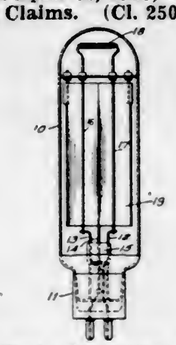


1,985,006

PHOTOTUBE

Earl D. Wilson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 22, 1933, Serial No. 667,494
4 Claims. (Cl. 250—27.5)



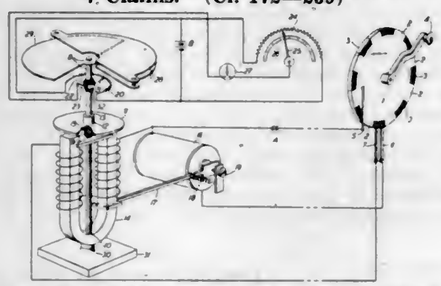
1. The method of forming an electrode for a photo-electric tube which comprises oxidizing an electrode having a silver surface, heating said electrode surface in caesium vapor until it loses its black color, cooling said electrode to about room temperature, and subjecting it to glow discharge.

1,985,007

REMOTE CONTROL SYSTEM

Walter W. Ashworth, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 12, 1932, Serial No. 610,825
7 Claims. (Cl. 172—239)



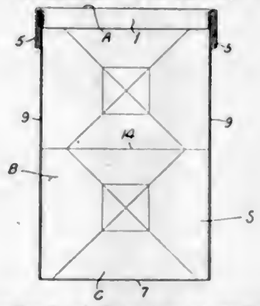
2. In a remote control system comprising a segmented commutator disc located at a remote point, means for rotating said disc, brushes associated with said segmented disc for generating two series of impulses, an electromagnetic clutch adapted to engage a rotatable shaft, an electromagnet for rotating said electromagnetic clutch through an angle, and means for interconnecting said brushes and electromagnetic clutch and electromagnet so that said shaft is rotated in either direction in accordance with the rotation of said segmented commutator disc.

1,985,008

PAPER RADIATOR SHIELD

Ben Altheimer, University City, Mo., assignor to Myrtle Altheimer, University City, Mo.

Application September 28, 1931, Serial No. 565,607
4 Claims. (Cl. 93—1)



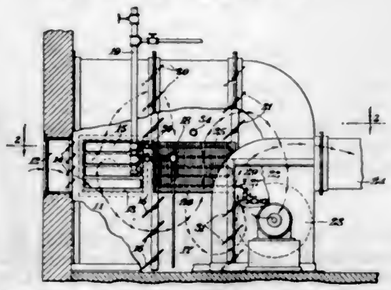
1. The method of forming a radiator shield, comprising taking a substantially rectangular sheet of material and folding it on itself along the top edge; folding diagonally at each of the corners of said end to form triangular portions; folding said triangular portions to bring said uppermost fold into a vertical plane; folding said last-mentioned edge downwardly along a line parallel to said top edge, while re-folding the upper upstanding edge along the first diagonal line of fold; folding diagonally from the bottom of the sheet to form tabs projecting laterally at the sides of the top of said sheet; and securing the various parts of the shield together by securing said tabs against said previously folded portions.

1,985,009

HEATING AND COOLING SYSTEM

Irving T. Bennett, Rome, and Frank C. Reynolds, New York, N. Y., assignors, by mesne assignments, to Metropolitan Engineering Company, a corporation of New York

Original application May 17, 1929, Serial No. 363,873. Divided and this application November 21, 1932, Serial No. 643,705
5 Claims. (Cl. 257—9)



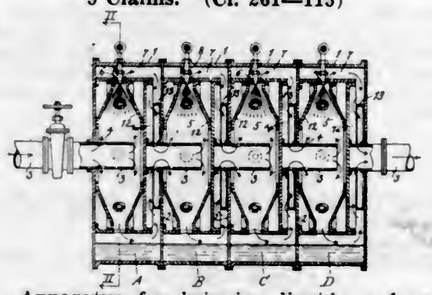
5. Apparatus of the type described which comprises an air passageway, heating elements for the supply or abstraction of heat, said elements being mounted at different levels and having extended surfaces for the transmission of heat and condensation of moisture, said surfaces being spaced throughout the cross-sectional area of said passageway and positioned to form passages without change in direction transversely through said heating elements, and means for supplying heating medium to the upper ends of said heating elements or alternatively supplying cooling medium to the lower ends thereof.

1,985,010

APPARATUS FOR BRINGING LIQUIDS AND GASES INTO INTIMATE CONTACT

Eric Henri Berkhuijsen, The Hague, Netherlands

Application March 16, 1934, Serial No. 715,808
In the Netherlands November 23, 1932
5 Claims. (Cl. 261—115)



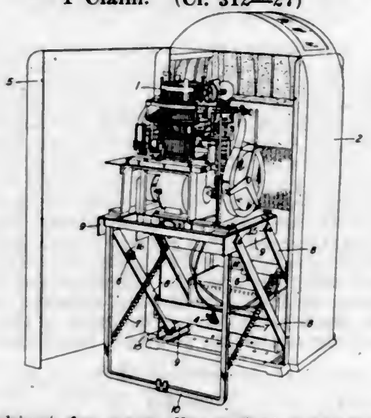
1. Apparatus for bringing liquids and gases into mutual and intimate contact for scrubbing purposes, comprising a series of wholly fixed and stationary chambers free from internal moving parts, means for passing a stream of gas through said chambers in succession, liquid sprayers or atomizers located at different points of the periphery of said chambers for projecting the scrubbing liquid inwardly in a finely divided state, gas ports in said periphery of each chamber adjacent to said atomizers, and gas ports disposed at the central portion of each chamber.

1,985,011

TELETYPEWRITER APPARATUS

Edwin A. Bescherer, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 12, 1933, Serial No. 680,027
1 Claim. (Cl. 312—27)



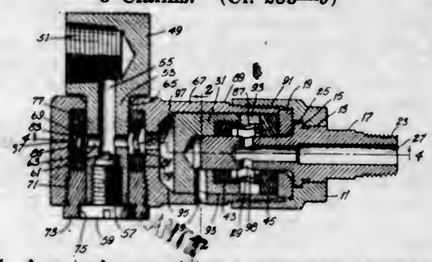
A cabinet for normally enclosing a teletypewriter which must be kept in level positions, said cabinet comprising a housing, a two position stand for supporting the teletypewriter, said stand having an operating position for supporting the teletypewriter in a desired level position inside the housing of the cabinet during typing operations and a maintenance position for supporting the teletypewriter in a level position outside the housing convenient for the purpose of being repaired and adjusted, and holding means for holding the stand securely in its operating position, said holding means being capable of being released, said stand including a flexible parallelogram framework for guiding and facilitating the shifting of the stand from its operating position to its maintenance position and vice versa after the holding means has been released, said framework having a base for supporting the stand while in its maintenance position, and said framework having its lower part attached to the housing and its upper part attached to the stand.

1,985,012

SWIVEL

William S. Boehm, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application August 12, 1933, Serial No. 684,792
3 Claims. (Cl. 285—9)



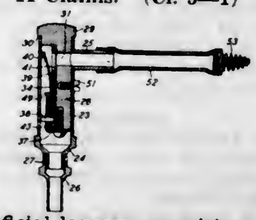
1. A swivel comprising a cylindrical body portion, said body portion having an inlet at one end thereof, a cap threadedly received on the other end of said body portion, a disc clamped between said cap and said body portion, a nipple extending into said body portion and having a flange received between said cap and said disc, whereby rotation of said nipple with respect to said body portion is permitted but axial movement of said nipple with respect to said body portion is restricted, said nipple being provided with a longitudinal bore extending substantially throughout its length, and at least one sideward bore in said nipple spaced from the inner end of said longitudinal bore but in communication with the interior of said body portion, and a member received in the interior of said body portion and having a central bore receiving the end of said nipple, said last-named member being provided with passages whereby fluid may be passed from the inlet of said body portion to the sideward bore of said nipple portion.

1,985,013

ARTIFICIAL LARYNX

George W. Burchett, Peekskill, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 20, 1932, Serial No. 638,687
11 Claims. (Cl. 3—1)



1. An artificial larynx comprising a case having an air inlet and an air outlet, said air outlet being located intermediate the ends of said case, a member supported within said case and having a bore therein providing an air column in align-

ment with the air outlet, said member supporting a vibratile reed secured at one extremity and free at its other extremity, the free extremity of the reed being adjacent one end of the bore, and means for connecting the mouth cavity of a user of the larynx and said case, said connecting means, said outlet and said bore providing a substantially straight line path for the air stream between the free end of the reed and the user's mouth.

5. An artificial larynx comprising a case having an inlet, a passage and an outlet for an air stream, a reed within said case to be set in vibration by and to modulate the air stream, said reed being free to move at one extremity and being stationary at its other extremity, and means to maintain said one end stationary, said means being adjustable to vary the vibrating length of said reed and comprising an L-shaped clamping member, the legs of which form an angle less than 90°, one of said legs engaging the stationary end portion of said reed, and means engaging the other of said legs to vary the angle between said legs to vary the position of said first mentioned leg along the length of said reed.

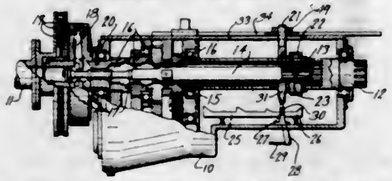
8. In combination, a bellows comprising rigid wall members and flexible sides, one of said wall members having an air outlet, an artificial larynx mounted on and secured to said wall, said larynx having an air inlet in axial alignment with the bellows air outlet, said larynx having an air outlet, and means connected to the larynx air outlet for conducting into the vocal cavities of a user the tone generated by the larynx when an air stream produced by said bellows passes therethrough.

1,985,014

CONTROL FOR AUTOMOTIVE VEHICLES

Eugene S. Bush, St. Louis, Mo., assignor to Bush Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application March 14, 1932, Serial No. 598,758
13 Claims. (Cl. 192—.01)



1. In combination with a speed change transmission, a control pedal therefor adapted for movement, selectively about a horizontal axis, and about an axis normal to its own plane, an arm member in controlling relation to the transmission, a plurality of connections between said pedal and arm member, adapted, upon a given movement of said pedal, to actuate the arm member selectively in opposite directions, means, operable responsively to the movement of the pedal within its plane, for selecting the desired actuating connection, and a spring tending to keep the pedal in a neutral or inoperative position within its plane.

1,985,015

POWER TRANSMISSION EQUIPMENT

Eugene S. Bush, St. Louis, Mo., assignor to Bush Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application April 6, 1932, Serial No. 603,548
8 Claims. (Cl. 192—71)

1. A clutching connection for use between a shaft element and a gear or wheel element coaxial therewith, and in which the elements are relatively axially displaceable to effect connection therebetween, a pair of spaced, spring loaded pawls carried by one of said elements at one side of its axis, an abutment secured to the other element and movable between said pawls, said



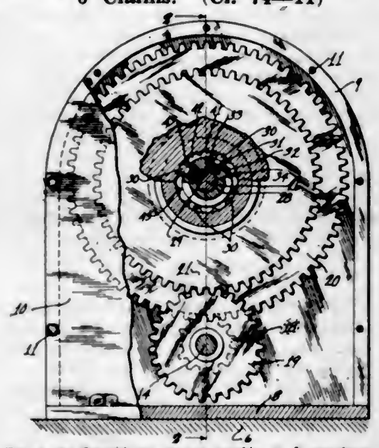
pawls being oppositely angularly presented to said abutment, and engageable with opposite faces thereof, the abutment faces being recessed to form seats for the pawls, tending releasably to maintain the pawls and abutments in operative relation.

1,985,016

REDUCTION GEAR

Eugene S. Bush, St. Louis, Mo., assignor to Bush Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application August 27, 1932, Serial No. 630,614
6 Claims. (Cl. 74—11)



1. In a reduction gear unit, a housing, spaced gear trains providing selective reduction ratios, a plurality of shafts, each common to corresponding gears of the said trains, a worm and worm gear in operative relation to one of said shafts, and disposed between the gears of said trains, a member movable along the other of said shafts for selectively connecting said shaft to its associated gears, an overload-releasing device associated with said connecting members, bearings for the last named gears, by which said gears are mounted for rotation within portions of the housing and upon each other, independently of the associated shaft and connecting member, certain of said bearings projecting laterally of the gears and serving as spacing elements therebetween.

1,985,017

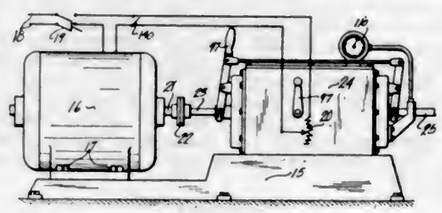
VARIABLE-SPEED TRANSMISSION APPARATUS

Eugene S. Bush, St. Louis, Mo., assignor to Bush Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application February 23, 1933, Serial No. 657,938
14 Claims. (Cl. 172—239)

1. In combination with an electric motor, a speed change transmission unit of gear type, and a manually actuated mechanical control

organization common to said motor and transmission unit, and including intermittent control connections, one functionally associated with the motor, and another mechanically associated



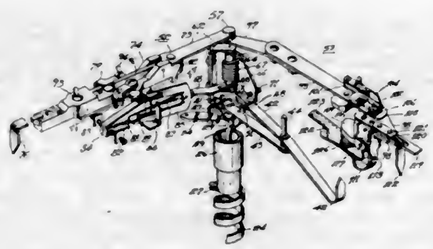
with the transmission unit for purposes of speed ratio selection, and a common actuating member for said control connections, said connections being operable by the actuating member, each independently of the other.

1,985,018

DUAL TEMPERATURE REGULATOR

Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 3, 1933, Serial No. 659,484
21 Claims. (Cl. 200—138)



1. In a thermostat for controlling an electric circuit controller for a heating element, two plural-contact arms, conductors connecting the contacts on the two arms with each other and with the circuit controller, a single thermally-actuable arm adapted to control the circuit connections of contact members on the two arms and thereby control the energization of the heating element, and manually-operable means on one arm controlling contacts thereon to shift the control of the circuit controller from one to the other of said arms.

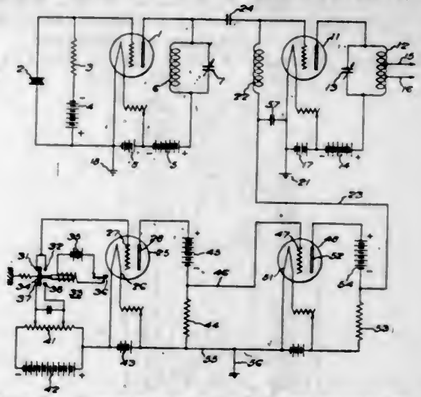
1,985,019

RADIO TRANSMITTING SYSTEM

John B. Coleman, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application May 11, 1927, Serial No. 190,543
6 Claims. (Cl. 250—19)

1. In a radio transmitting system including a master-oscillator coupled to a power amplifier comprising a thermionic device, means including a resistance coupled amplifier for varying the grid direct-current bias on said thermionic device, a resistor in the output circuit of said amplifier, said resistor being included in the input circuit of said thermionic device, and



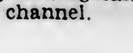
means for impressing signal frequencies on said amplifier.

1,985,020

MULTICOIL SPRING STRUCTURE

Rudolph Coopersmith, St. Louis, Mo.

Application January 2, 1931, Serial No. 506,142
6 Claims. (Cl. 5—263)



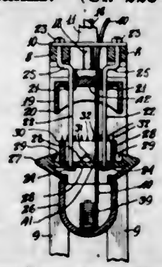
1. The combination of a coil spring and a flexible strip tangential thereto, the said strip being bent into loop formation at its point of tangency to the spring and having a pair of openings disposed respectively in the opposite ends of the intermediate portion of the loop, and the spring passing through said openings and having the end of its coil adjacent to said strip free to thread into and out of the said openings, and means for continuously tensioning said strip to bind its loop tightly against said spring.

1,985,021

MACHINE FOR FORMING CUSHION BRIMS

Louis Daru, Brooklyn, N. Y., assignor to M. A. Cuming & Co. Inc., a corporation of New York

Application August 8, 1930, Serial No. 473,835
6 Claims. (Cl. 223—31)



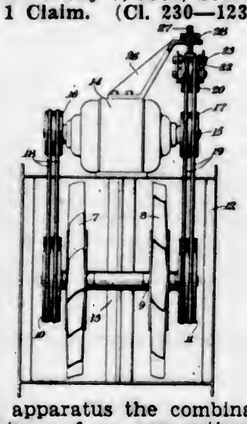
1. The combination including a supporting frame, guide rods connected by their upper ends with said frame and depending downwardly therefrom, a forming die carried by said guide rods and at the lower ends thereof and provided with a channel therein disposed to encircle said guide rods adapted to receive a portion of a hat blank therein, and means movable up and down along said guide rods adapted to enter said channel for thereby forcing said portion of the hat blank into said channel.

1,985,022

DRIVE FOR FANS AND THE LIKE

George de Bothezat, New York, N. Y., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application February 9, 1931, Serial No. 514,505
1 Claim. (Cl. 230—123)



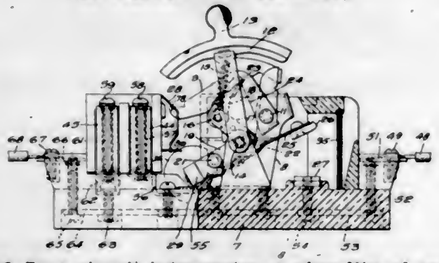
In a fan apparatus the combination with a driving motor, of a supporting framework therefor comprising a central spider member connected with the base of said motor, a hub carried by said spider, fan means comprising oppositely rotating rotors supported by said hub on opposite sides of said spider, pulley and belt driving means at opposite ends of said motor for rotating said fan rotors in said opposite directions, said driving means including a pair of idlers at one end adapted to loop the belt around the same side of the driving and driven pulleys so as to drive these pulleys in opposite directions.

1,985,023

CIRCUIT BREAKER

Hiller D. Dorfman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application October 20, 1930, Serial No. 489,731
39 Claims. (Cl. 200—116)



26. In a circuit interrupter, a plurality of contact members movable to open and close the circuit, biasing means for moving said contact members to open position, a movable member in response to movement of which said biasing means moves said contact members to open position, and a main base of insulating material on which said contact members, said biasing means and said movable member are mounted, and a trip unit including a separate base of insulating material having thereon a plurality of conducting means each having electrical terminals at the ends thereof, a plurality of current responsive elements mounted on said separate base of insulating material and each being responsive to the current flow between the terminals of one of said conducting means, and fastening means detachably connecting the terminals of said conducting means in series with the main circuit through the circuit breaker, an actuating element mounted on said separate base of insulating material for cooperating with said movable member on the main base to cause movement thereof to trip the breaker and being separable from said movable member on the main base to permit removal of the trip unit, and means for retaining said actuating element in fixed position until one of said current responsive elements has moved to a predetermined point and then causing said actuating element to move immediately to cause movement of said movable member on the main base to trip the breaker.

1,985,024

ELECTRIC LAMP

Harry A. Douglas, Bronson, Mich.

Application October 23, 1929, Serial No. 401,725
2 Claims. (Cl. 176—32)



2. In an electric lamp, the combination with an incandescent lamp bulb having a generally cylindrical base and two bayonet projections spaced apart less than 180 degrees on the base; of a cylindrical socket receiving said base; two bayonet slots in the socket receiving the bayonet projections therethrough; bayonet seats at the inner end of the slots receiving the bayonet projections upon a turning movement of the lamp base in the socket, a similar gradually sloping side in each bayonet seat contacting each bayonet projection and directed forwardly of the socket and toward a side thereof at substantially the same angle; and a spring carried at the rear of the socket and pressing the lamp base forwardly to cam the bayonet projections in the same direction toward one side of the socket whereby the lamp base is wedged against said side of the socket, said similar sloping sides of the bayonet seats being of sufficient length so that the lamp base contacts the side of the socket before the bayonet projections reach the forward ends of the said sloping sides.

1,985,025

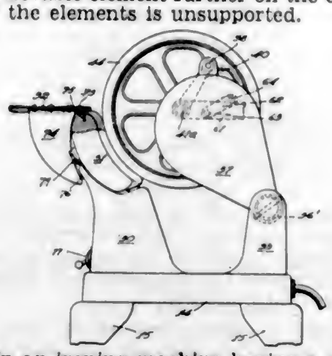
ELECTRIC IRONER

William M. Emery, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application August 25, 1932, Serial No. 630,351
13 Claims. (Cl. 68—9)

1. In an ironing machine, a roll and a cooperating shoe, supporting means for said roll and shoe, a pivot fixed to one of said supporting means, a continuously operative drag means to retard the rotation of the roll and toggle means operated by the drag means operably connected to the drag means and to said pivot.

2. In an ironing machine including two relatively movable pressing elements, one of which is supported at one end only, means to equalize the pressure between the ends of the elements including pivot arms of different lengths supporting the movable element to move the end of the movable element further on the end where one of the elements is unsupported.



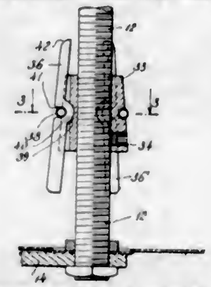
10. In an ironing machine having a cooperating roll and heated shoe having openings therein, a feed board adapted to be attached to the shoe, braces secured to the feed board and each having a hook to fit into one of the openings in the shoe and a projecting point to engage the shoe with a relatively small engaging contact surface.

1,985,026

CONED YARN SUPPORT

Carl Epps, Rome, Ga., assignor to Tubize Chatillon Corporation, a corporation of Delaware

Application February 24, 1934, Serial No. 712,747
4 Claims. (Cl. 242—130)



1. The improvement in a coned yarn support comprising a spindle, a core member, the spindle and core member being threaded so that the core member may be advanced on the spindle, said core member being exteriorly provided with a transverse slot and a plurality of spaced longitudinal slots, cone gripping fingers loosely mounted in said longitudinal slots, said fingers each being provided with a transverse slot which registers with the transverse slot in the core member, and a flexible ring mountable in said transverse slots to hold said cone gripping fingers in pivotal position.

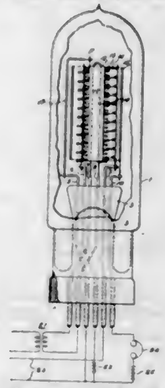
1,985,027

HOT CATHODE ELECTRON DISCHARGE TUBE

Hubert M. Freeman, East Pittsburgh, Pa., and Wallace G. Wade, New York, N. Y., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

Original application January 8, 1923, Serial No. 611,263. Patent No. 1,909,051, dated May 16, 1933. Divided and this application July 6, 1926, Serial No. 120,583
6 Claims. (Cl. 250—27)

1. In a high-frequency signalling system comprising a space-current discharge tube in which a control electrode is utilized to control an electron current flowing from a cathode to an anode and in which the cathode is maintained in an electron-emitting state by heating the same with alternating current, an auxiliary electrode disposed between the control electrode and the electron-emitting surface of the cathode and means for controlling the potential of said control electrode relative to said auxiliary electrode.

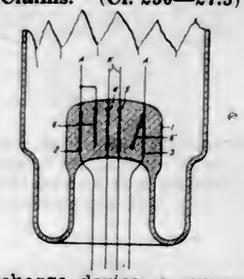


1,985,028

DISCHARGE DEVICE

August Gehrts, Berlin-Friedenau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German company

Application August 26, 1930, Serial No. 477,852
In Germany December 13, 1929
3 Claims. (Cl. 250—27.5)



1. In a discharge device, a support, leading-in wires embedded in said support, and a conductive shield wholly embedded in said support intermediate certain of said leading-in wires, said shield being in contact with an adjacent leading-in wire.

1,985,029

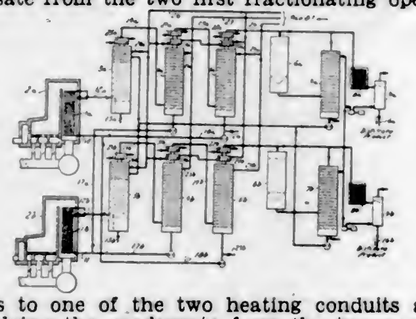
ART OF CRACKING HYDROCARBONS

Willis S. Gullette, Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application December 16, 1929, Serial No. 414,381
3 Claims. (Cl. 196—61)

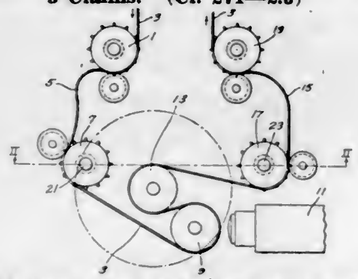
1. In the cracking of hydrocarbon oils, the improvement which comprises flowing two separate streams of oil through two separate heating conduits and heating each stream of oil to a high cracking temperature in the vapor phase therein, separately subjecting the hot oil products discharged from the two heating conduits to scrubbing operations for the separation of tar and discharging tar therefrom, separately subjecting the vapors from the two scrubbing operations to successive first and sec-

ond fractionating operations, condensing a cracked distillate from the vapors escaping from the fractionating operations, supplying the condensate from the two first fractionating opera-



tions to one of the two heating conduits and supplying the condensate from the two second fractionating operations to the other of the two heating conduits.

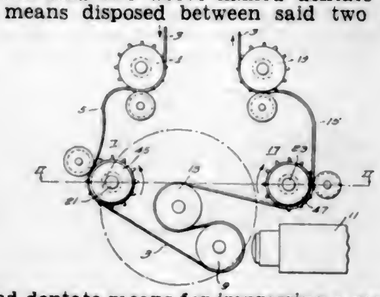
1,985,030
FILTER SYSTEM
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application March 24, 1931, Serial No. 524,879
3 Claims. (Cl. 271—2.3)



1. Web-tensioning apparatus comprising web-advancing means, means for resiliently driving said web-advancing means, and frictional damping means for said web-advancing means.

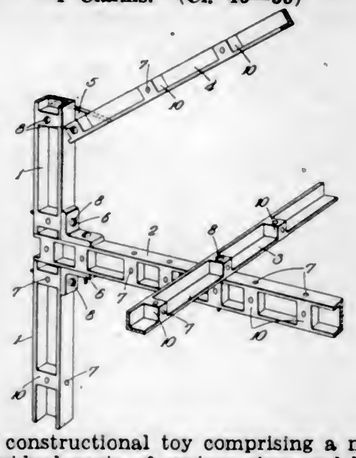
1,985,031
FILM GATE
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application March 24, 1931, Serial No. 524,879. Divided and this application March 29, 1933, Serial No. 663,377
4 Claims. (Cl. 179—100.3)

1. Film handling apparatus comprising dentate-means to engage a film-strip, means, including a shaft, for rotatably supporting said dentate means, means coupled to said shaft and to said dentate means for impressing an axial resilient torque between said dentate-means and said shaft thereby to impress a tensional force on said film-strip, additional dentate means to engage said film strip, additional means, including a shaft to support said dentate means, means coupled to said last-named shaft and to said dentate means for impressing an axial resilient torque between said last-named dentate-means and said last-named shaft of such direction as to impress a tensional force of opposite polarity to said first-named tensional force on said film-strip and to tension the portion of the film-strip between said two above-named dentate means and means disposed between said two above-



named dentate means for impressing a record on said film strip or for reproducing a record impressed on said film strip.

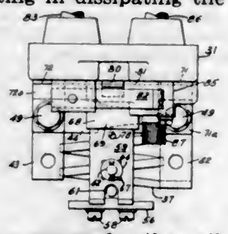
1,985,032
CONSTRUCTIONAL TOY
Frank Hoult, Bayswater, London, England
Application May 24, 1934, Serial No. 727,247
In Great Britain February 1, 1933
4 Claims. (Cl. 46—35)



1. A constructional toy comprising a number of individual parts of various sizes and lengths simulating in cross sectional shape but on a reduced scale corresponding parts employed in full size structural engineering practice, said individual parts each comprising two flanges connected together by means of an intermediate web, said individual parts being constructed from non-metallic mouldable material, means for connecting said individual parts together in a separable manner, said individual parts being pierced at spaced points throughout their length to provide holes for the reception of said connecting means, and said individual parts each incorporating strengthening portions disposed between the flanges or webs through which said holes pass.

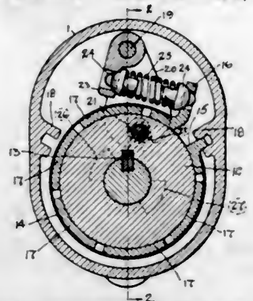
1,985,033
THERMAL RELAY
William J. Hudson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application February 19, 1932, Serial No. 593,994
43 Claims. (Cl. 175—336)

1. A thermal relay including a movable armature, a magnetically-reversible bar heated by the relay current, to control the position of the armature, means including a pair of open-turn coil sections having one end of each section secured to the ends of the magnetically-reversible bar for assisting in dissipating the heat therein



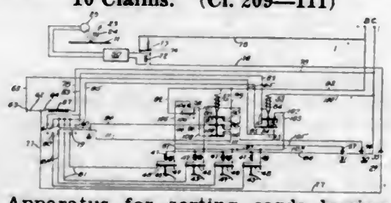
and supporting means for the coil sections and the bar secured to the other end of each coil section.

1,985,034
SHOCK ABSORBER
John M. Keller, Lakewood, Ohio
Application May 10, 1932, Serial No. 610,418
8 Claims. (Cl. 188—130)



1. In a shock compensator, the combination of a casing member, a brake drum arranged for movement relative to said casing, a brake band engaging said drum having one end engaged by said casing, resilient means engaging the other end of said band urging the same into engagement with said drum, whereby rotation of said drum in one direction is retarded while permitting relative freedom of movement in the opposite direction, and means for increasing and decreasing the force of said resilient means respectively during the aforesaid directions of rotation of said drum.

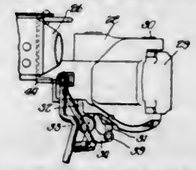
1,985,035
CARD SORTER
John T. Kermode, Cleveland, Ohio, Douglass A. Young, East Orange, N. J., and Harry P. Sparkes, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application November 5, 1930, Serial No. 493,568
10 Claims. (Cl. 209—111)



5. Apparatus for sorting cards having dark and light areas thereon in the form of a code comprising a bin for holding the cards, means for directing a beam of light against said cards whereby light is reflected therefrom, means responsive to variations in the intensity of said reflected light for transmitting impulses in accordance with said code, means for moving said cards from said bin past said beam of light,

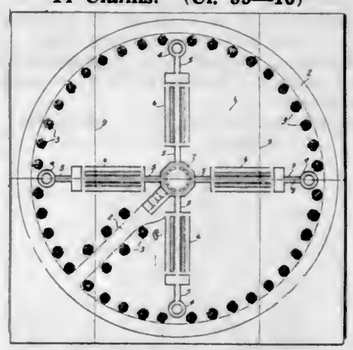
a plurality of stations, a relay associated with each one of said stations, each of said relays having a holding circuit, a selector member, means responsive to said impulses for connecting said selector member to one of said relays, means for moving said cards into position opposite said stations, means for making said holding circuits inoperative and for then completing a circuit through said selector member and said one relay just before said last means takes control over a card, and means for returning the apparatus to its original condition before the next card is moved past the light beam.

1,985,036
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 29, 1928, Serial No. 315,622
24 Claims. (Cl. 213—166)



18. A lifter for coupler mechanism comprising a member having means at one end thereof for engaging a support, means at the other end thereof for connection to a coupler operating member, and a lug depending from said member intermediate its ends and having a shouldered rod supporting portion.

1,985,037
FARM BUILDINGS
Frederic J. Kreutzer, Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application October 25, 1932, Serial No. 639,489
14 Claims. (Cl. 35—16)

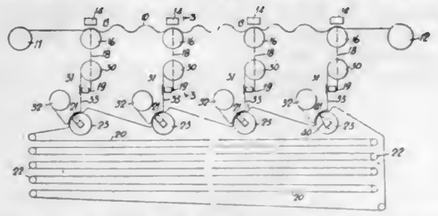


1. In a demonstration set for illustrating the combinations of standardized buildings, the combination of a layout sheet having the arrangement of the buildings printed thereon to scale and removable models built to scale adapted to be fitted thereon to represent the ultimate appearance of the assembled buildings according to the plan on the sheet.

1,985,038
IMPROVED MULTIPLE PRINTER
Jay Cleis Kroesen, Belleville, N. J.
Application November 19, 1931, Serial No. 576,021
2 Claims. (Cl. 88—24)

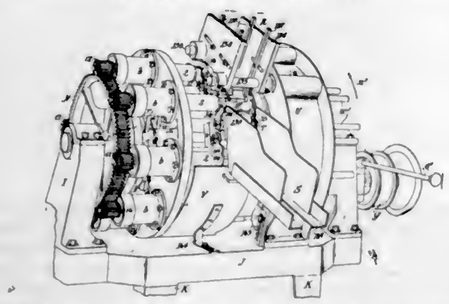
1. An improved apparatus for simultaneously printing sound records and picture records on a plurality of motion picture films from separate

master sound films and master picture films comprising a plurality of separate printing heads for sound records and for picture records, a separate source of light for each printing head and disposed exteriorly thereof; a continuous master sound film adapted to pass successively in front of the sound printing heads and a continuous master picture film adapted to pass successively in front of a plurality of picture printing heads, a plurality of films to be printed including storage and take up reels, the sound printing members including sprocket wheels adapted to successively move the master sound film in front of the source of light; means including quartz rods disposed inside said film-advancing sprockets and to a side



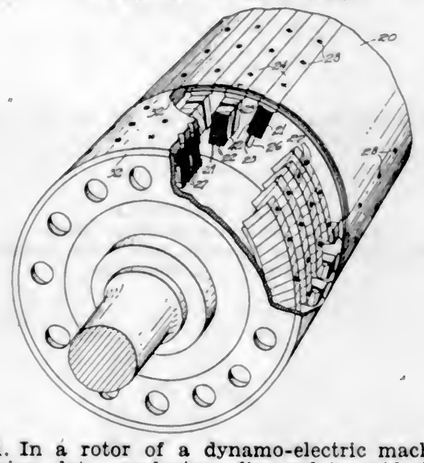
thereof corresponding to the location on said master film of the sound track, the said quartz member being continued downwardly and outwardly and disposed around the storage spool of the film to be printed, the terminal end of the quartz light conductor being adapted to pass in front of and adjacent to the film to be printed and in juxtaposition to the sound track thereof; the said picture printing heads being disposed in advance of the sound printing head and being provided with separate light source having a quartz light conducting member associated therewith and adapted to pass light from the separate light sources through the master picture film onto the film to be printed.

1,985,039
APPARATUS FOR FORMING SMOOTHLY ROUNDED CAN BODIES
Frank Krueger, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application January 9, 1933, Serial No. 650,780
10 Claims. (Cl. 153—32)



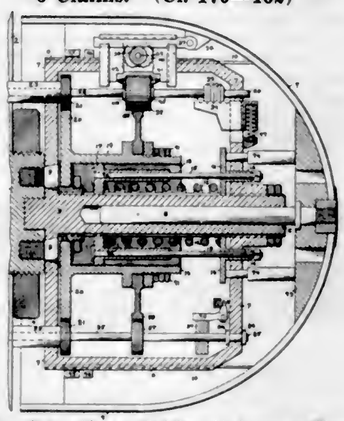
1. A machine for treating can bodies comprising a plurality of units each consisting of internal and external wave-bending rolls, for engaging the sheet metal body between them, with means for rotating them to act circumferentially on the body, with rotative carrying means for such units, and means comprising opposite guides engaging the body between them, movable to feed successive bodies between the rolls for treatment and to remove the treated bodies from between the rolls.

1,985,040
COOLING MEANS FOR CONDUCTORS
Carthrae M. Laffoon, Irwin, and Bennie A. Rose, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1933, Serial No. 651,660
10 Claims. (Cl. 171—252)



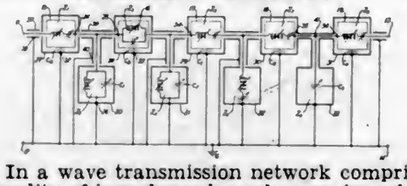
1. In a rotor of a dynamo-electric machine having slots, conductors disposed in said slots, said conductors having apertures extending transversely through, and surrounded by the metal of, said conductors and spaced longitudinally thereof for cooling said conductors.

1,985,041
AUTOMATIC VARIABLE PITCH PROPELLER
Chandley William Lambert, Cleveland, Ohio
Application February 23, 1934, Serial No. 712,584
6 Claims. (Cl. 170—162)



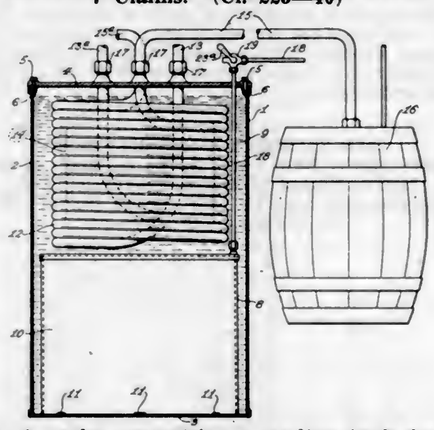
1. An automatic variable pitch propeller, comprising; a movable pressure plate cooperating with a compression spring; a rotatable propeller blade shank; a splined nut cooperatively associated with said shank and said spring; pitch changing means comprising a non-rotating member and a cooperating rotating member; and reversible gearing cooperating with said blade shank and said nut; control means comprising independently powered cams and cooperating cam followers cooperatively associated with said pressure plate and said gearing; means limiting the extent of action of said pitch changing means.

1,985,042
WAVE TRANSMISSION NETWORK
Clarence E. Lane, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1933, Serial No. 682,586
11 Claims. (Cl. 178—44)



1. In a wave transmission network comprising a plurality of impedance branches, an impedance branch enclosed in a shield of conductive material, and a separate outer shield of conductive material surrounding said first mentioned shield, the capacitance between said two shields being utilized as a part of the lumped impedance of another of said branches.

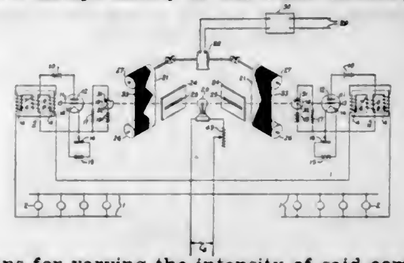
1,985,043
COOLER
Francis L. Laporte, St. Louis, Mo.
Application April 24, 1933, Serial No. 667,587
7 Claims. (Cl. 225—40)



1. A cooler comprising a cooling tank for a conductive fluid, a cooling coil arranged in said tank to cool said fluid, an auxiliary fluid receptacle communicating with said tank and positioned and adapted whereby fluid from said tank may flow therefrom into said receptacle when said tank and said coil are to be cleaned, and means for forcing said fluid into said tank from said receptacle.

1,985,044
CURRENT CONTROL APPARATUS
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 6, 1930, Serial No. 486,689
3 Claims. (Cl. 177—346)

1. In an illumination-control system, in combination, a plurality of lighting circuits, a reactor for controlling each of said circuits, a control winding on each reactor, a source of current for the control windings, light-responsive means for varying the control current in each winding, a common source of light for energizing all of said light-responsive means, means for independently varying the amount of light striking each of said light-responsive means to vary the illumination supplied by each lighting circuit independently of the other circuits, and

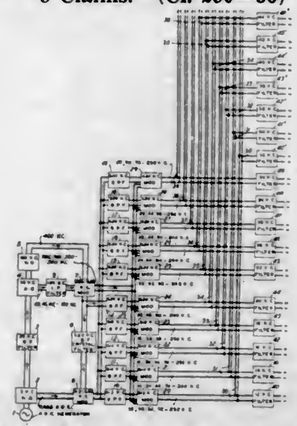


means for varying the intensity of said common source of light to vary simultaneously the illumination supplied by all the lighting circuits.

1,985,045
MANUFACTURE OF GOODS OF OR CONTAINING RUBBER OR SIMILAR MATERIAL
Evelyn William Madge, Erdington, and Albert Nelson Ward, Bordesley Green, England, assignors to Dunlop Rubber Company Limited, Birmingham, England, a British corporation
No Drawing. Application December 28, 1932, Serial No. 649,150. In Great Britain January 29, 1932
5 Claims. (Cl. 18—53)

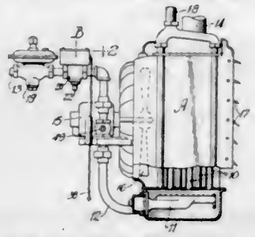
5. A process for the manufacture of porous or micro-porous articles of vulcanized rubber material from aqueous dispersions thereof, which comprises coating a moulding surface with a stearate of a metal of the group consisting of zinc, cadmium and iron, forming a body of dispersion in contact with such surface, gelling said dispersion and vulcanizing while preventing the evaporation of water therefrom.

1,985,046
ELECTRICAL WAVE PRODUCTION
Warren A. Marrison, Maplewood, and Larned A. Meacham, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1934, Serial No. 713,764
5 Claims. (Cl. 250—36)



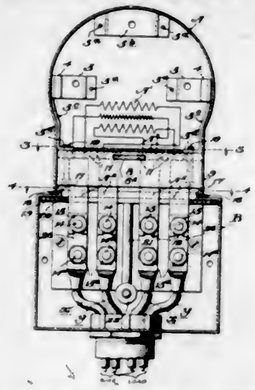
1. The method of producing a number of waves spaced in frequency comprising producing a series of waves with a greater frequency interval than that of the desired waves, producing a second series of waves of higher frequency than the first series and with the desired frequency spacing, and modulating each of the latter waves by a plurality of the former to produce waves of the desired frequencies.

1,985,047
CONTROL SYSTEM FOR HEATERS
William J. Masoner, Oak Park, Ill.
Application May 3, 1934, Serial No. 723,695
1 Claim. (Cl. 126—110)



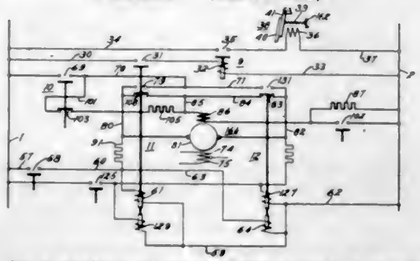
The combination with a heating unit including a fan, a heater for heating air delivered by the fan, said heater including a fluid fuel burner, and means including a first electric circuit controlling said fan and burner in response to room temperature, of a main valve controlling fluid fuel delivered to said burner, a first switch operated to open and closed positions by the opening and closing of said valve, a second switch connected in series with said first switch and being manually controlled, and a second control circuit connecting said fan and switches whereby when said valve is open the second control circuit is opened to enable complete control of the fan and burner by the first circuit and when said valve is closed to enable complete control of said fan by said manually operable switch when said first circuit is de-energized.

1,985,048
ELECTRIC METER
Douglas K. McIlvaine, Connellsville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1932, Serial No. 630,458
5 Claims. (Cl. 247—2)



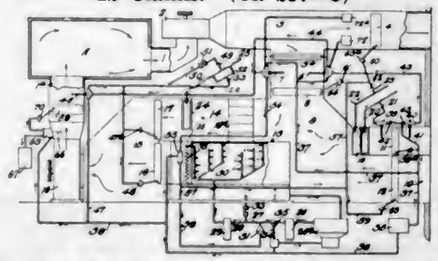
5. In a mounting for electric meters, a connection box having a flanged opening, a meter casing for housing the meter structure and have a tubular neck portion proportioned to fit around the flange of said opening, contacts projecting from said tubular neck portion of the meter casing and adapted to enter said opening in the connection box, terminal studs within the connection box adapted to engage said projecting contacts, and cooperating means on said contacts and studs for securing the contacts to the studs and for simultaneously drawing the meter casing against the connection box when the contacts and studs are secured together.

1,985,049
TOOL LIFTING DEVICE
Phelan McShane, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 12, 1932, Serial No. 604,694
4 Claims. (Cl. 90—55)



1. In a system of control for a tool, a machine having a reciprocating member for holding a work piece, a motor for moving said member, a tool-holder means for biasing said tool-holder to an inoperative position, electromagnetic means including a coil for moving said tool-holder from said inoperative position to an operative position, a control relay adapted to energize said coil when caused to operate, and a cut-directional contactor for causing the motor to operate said reciprocating member in such a direction that the tool may cut the work piece on the reciprocating member and also adapted to operate the control relay to energize said coil for the electromagnetic means.

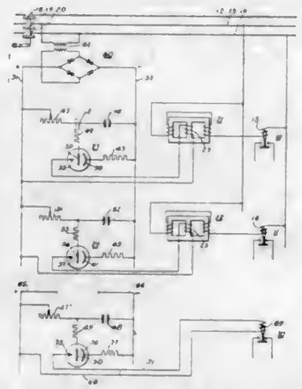
1,985,050
AIR CONDITIONING SYSTEM
André Merle, New York, N. Y., assignor of one-half to Ernest Williams, Scarsdale, N. Y.
Application May 15, 1933, Serial No. 671,189
12 Claims. (Cl. 257—8)



1. In an air conditioning system, the combination of air supply and return ducts connected with the space to be ventilated and air conditioning means connecting said return and supply flues and including a fresh air intake to supply fresh air for admixture with reused air from the return flue, a dehumidifier through which is passed part of the air for the supply duct, a shunt for the remainder of the air passed to the supply duct, a thermostat in the supply duct, means controlled by the supply duct thermostat for varying the relative proportion of air passing through the dehumidifier and the shunt respectively and a thermostat in the return duct for varying the setting of the thermostat in the supply duct.

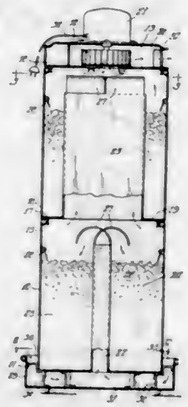
1,985,051
CONTROL SYSTEM
William A. Minkler, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 17, 1931, Serial No. 530,925
4 Claims. (Cl. 175—320)

1. In a control system, in combination, a plurality of grid-glow discharge devices, each of said devices having a control electrode and a plurality of principal electrodes, means including capacitors and resistors having different time constants for impressing a predetermined po-



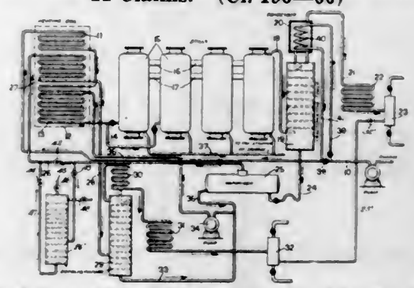
tential in timed sequence on the control electrodes, and means responsive to variations in current associated with each of the principal electrodes.

1,985,052
AIR COOLER AND CIRCULATOR
Arthur B. Modine, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application June 25, 1932, Serial No. 619,221
9 Claims. (Cl. 62—133)



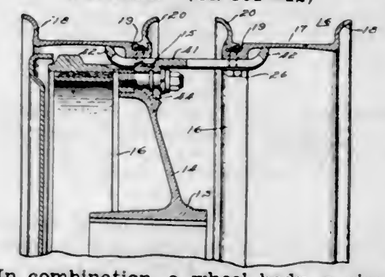
1. In a device of the kind described, a base comprising a pan having bottom and vertical side walls, supporting members therein, a receptacle for containing a cooling medium, said receptacle being of lesser horizontal dimension than said pan and adapted to cooperate with said supporting members to maintain said receptacle in spaced relation above and inwardly with respect to the walls of said base, said receptacle having an opening in its bottom, a tubular member within said receptacle and contacting the cooling medium therein, said tubular member having one end connected to said opening and terminating at its opposite end near the top of said receptacle, a closure at the top of said receptacle having a passage therethrough, and means for maintaining a current of air through the several members of said device successively.

1,985,053
PROCESS AND APPARATUS FOR CRACKING OILS
William F. Moore, Jackson Heights, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 18, 1928, Serial No. 270,817
11 Claims. (Cl. 196—60)



1. A process for the conversion of higher boiling oils into lower boiling oils which comprises heating a body of oil under such conditions of temperature and pressure as to effect cracking in the liquid phase, fractionating the generated vapors, releasing the pressure on the reflux condensates resulting from said fractionation to effect separation of vapors from liquid constituents, passing the vapors thus separated through a vapor phase cracking zone, fractionating the products from this zone, and returning to the cracking portion of the liquid phase system the unvaporized portions of the condensates from the first mentioned fractionation after the release of pressure.

1,985,054
WHEEL
Emil A. Nelson, Detroit, Mich.
Application January 21, 1931, Serial No. 510,170
5 Claims. (Cl. 301—12)

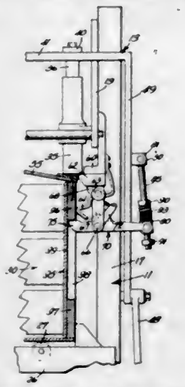


1. In combination, a wheel body, a rim supporting sheet metal bracket adapted to be removably mounted on the outer periphery of the body, said bracket having a bent over supporting projection stamped from the bracket and generally directed in a plane transversely thereof.

1,985,055
CLEAT SUPPORTING MECHANISM
Hale Paxton, Redlands, Calif., assignor to Paxton Credit Corporation, Sanger, Calif., a corporation of California
Application June 13, 1932, Serial No. 616,934
8 Claims. (Cl. 1—10)

1. In a lidding machine, the combination of: a frame; a table on said frame for supporting crates having built up ends, each of which ends has an upper cross-cleat; a superstructure on said frame over said table; vertically reciprocable

nailing means on said superstructure; lid supporting means on said superstructure; means to cause relative vertical movement between said table and said superstructure to permit the nailing of said lid to said crate ends; and cleat supporting levers fulcrumed on opposite sides of



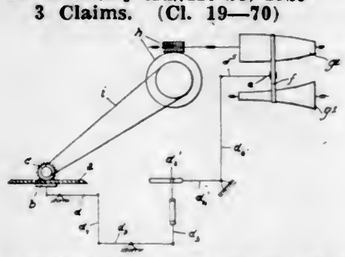
said superstructure, the outer ends of said levers being connected to said reciprocable nailing means, and the inner ends thereof being adapted to swing upward into supporting relation with said cross-cleats as said nailing means moves downward.

1,985,056

METHOD AND APPARATUS FOR REGULATING THE WEIGHT OF THE LAPS PRODUCED BY THE SCUTCHER IN A SPINNING MILL

Heinrich Pferdmenges, Giesenkirchen/Rheydt, Germany

Application August 25, 1930, Serial No. 477,792
In Germany August 26, 1929
3 Claims. (Cl. 19—70)



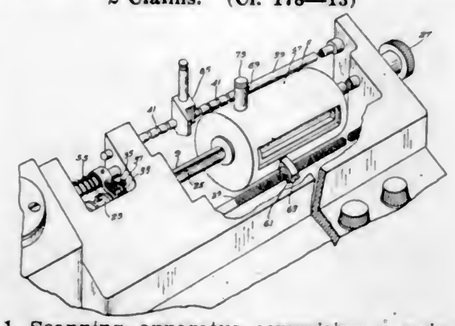
1. In an apparatus for regulating the weight of laps produced by a scutcher in a spinning mill the combination of two hyperbolic pulleys, comprising a driving pulley and a driven pulley, a belt on said pulleys, a guide roller above raw material adapted to regulate the quantity of material fed, driving means for said roller connected to said driving pulley, a lever system having an end element under the material adapted to allow same to yield downwardly according to the quantity of material fed and to transmit movement according to said yielding movement, a belt shifter on the other end of said lever system adapted to shift said belt on said pulleys according to the yielding movement of the material to regulate the speed of rotation of said guide roller according to the speed at which said driven pulley is driven by said driving pulley, and means connected up in said lever system adapted to positively and simultaneously adjust two elements of said lever system to regulate the displacement of said belt according to the hyperbolic shape of said pulleys.

1,985,057

FACSIMILE TRANSMITTER

La Verne R. Philpott, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 20, 1932, Serial No. 629,638
2 Claims. (Cl. 178—13)



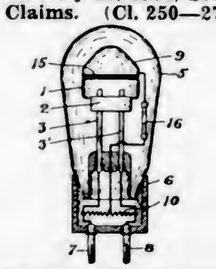
1. Scanning apparatus comprising a pair of cylinders, one of said cylinders nesting within the other, a slotted opening in the outer cylinder to permit the introduction of sheet material into contact with the inner cylinder, means for affixing a contacting edge of said sheet material to said inner cylinder through said slotted opening, and means for imparting rotational movement to said inner cylinder whereby said sheet material will be caused to wrap itself about said inner cylinder in position to be scanned.

1,985,058

GAS DISCHARGE DEVICE

Karl Rath, New York, N. Y., assignor to The Radio Patents Corporation, New York, N. Y., a corporation of New York

Application February 18, 1932, Serial No. 593,699
6 Claims. (Cl. 250—27.5)



1. A glow discharge illuminating device comprising a vessel filled with a gaseous atmosphere; input terminals for said vessel; a first electrode of substantially flat shape; a second dome-shaped cooperating electrode resting upon and insulated from said first electrode and connected to one of said input terminals; and a rod-shaped auxiliary electrode spaced in cooperative relation with regard to said first electrode and connected to said other input terminal.

1,985,059

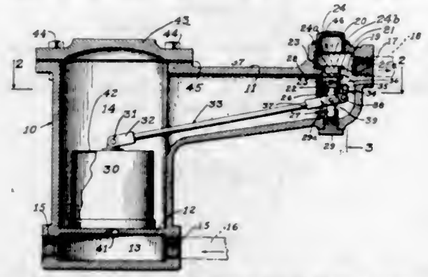
STEAM TRAP

Llewelyn M. Reed, Devon, Conn., assignor of three-fourths to Bundy Steam Trap Company, Nashua, N. H., a corporation of New Hampshire

Application November 20, 1931, Serial No. 576,258
8 Claims. (Cl. 137—103)

1. In a steam trap, a casing having an inlet at its lower end, said casing having a horizontally extending hollow arm forming a lateral extension adjacent its upper end of less height than the casing and communicating with the

interior thereof, an outlet at the free end of said extension, said inlet and outlet providing means for connecting the casing in a pipe line, a float in the casing, said float adapted for vertical movement, a valve in the extension adjacent the free end thereof, a short vertically disposed link pivotally mounted at one end in the extension



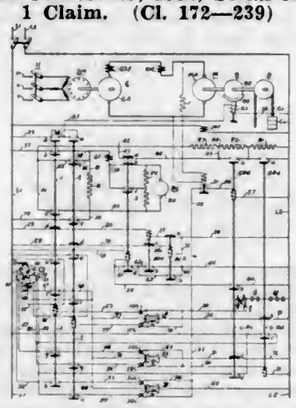
beyond the valve, a relatively long lever pivotally connected at its inner end with the float, said lever at its outer end pivotally connected with the other end of the short link, and said valve carried by the long lever inwardly of but adjacent the link and adapted to be operated by the float through the lever to control the outlet.

1,985,060

ELEVATOR CONTROL SYSTEM

Danilo Santini, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application October 29, 1932, Serial No. 640,180
1 Claim. (Cl. 172—239)



In a control system for a motor, a generator including a field winding for supplying power to said motor, a reversible circuit associated with said winding, resistance in said circuit, a controller for said motor including means for reversing said field winding circuit and high speed contacts, a switch for controlling a section of said resistance, an actuating circuit for said switch including said high speed contacts, a self-holding circuit for said switch, and means, responsive to operation of said controller to reverse said field winding circuit, for interrupting said self-holding circuit.

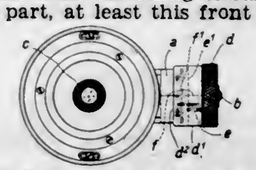
1,985,061

MEASURING DRUM FOR SCREW-MICROMETERS

Ernst Scheller, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany

Application January 28, 1933, Serial No. 654,045
In Germany February 3, 1932
1 Claim. (Cl. 33—166)

A measuring drum for screw micrometers, having at its front part an index for indicating the complete rotations of the micrometer screw and a scale for indicating the fractions of a complete rotation of the said screw, both the index and the scale extending circumferentially of the said part, at least this front part of the



drum being of a transparent material, the said index and the said scale being disposed on the interior surface of the front part, and the index and the scale being spaced from the edge of this part.

1,985,062

METHOD OF PRODUCING MANIFOLDING MATERIAL

John Q. Sherman, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio

Application September 19, 1931, Serial No. 563,823
4 Claims. (Cl. 282—12)



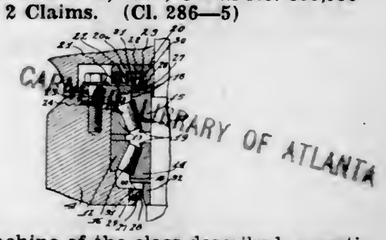
1. The herein described method of producing tabbed transfer material, including cutting a strip of material to form tabs at spaced intervals, folding the tabs backwardly upon the strip, transversely scoring the strip of material for subsequent division upon lines offset beyond the fold line of the tab, unfolding the tab and refolding the tab and sheet upon a transverse line substantially co-incident with the score line.

1,985,063

BEARING SEAL FOR MULLING MACHINES

Herbert S. Simpson, Chicago, Ill.

Application October 3, 1932, Serial No. 635,996
2 Claims. (Cl. 286—5)

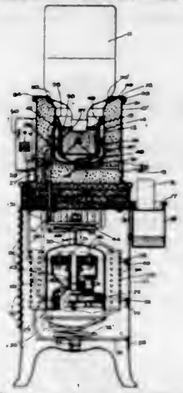


LIBRARY OF ATLANTA

1. In a machine of the class described, a vertical sleeve, a vertical shaft in said sleeve, bearings between the shaft and the upper end of said sleeve, a sealing ring attached to the upper end of said sleeve and extending over said bearing, said ring having an upwardly extending annular rib and an upwardly extending portion spaced inwardly from said rib and provided with a horizontal flange directed toward said shaft, a second sealing ring having a vertical flange surrounding said shaft and an outwardly directed flange extending over said first sealing ring, said second sealing ring having downwardly directed spaced annular ribs for receiving the rib of the first seal-

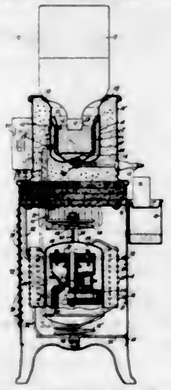
ing ring therebetween, a sealing element bearing against the first sealing ring beneath the horizontal flange thereof, a sealing element bearing against the vertical flange of said second sealing ring and yielding means between said sealing elements.

1,985,064
WATER COOLER
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1929, Serial No. 355,551
Renewed July 11, 1934
22 Claims. (Cl. 62—141)



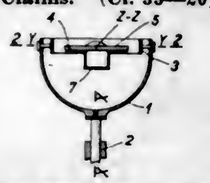
1. A refrigerating system, including a water cooling unit comprising two receptacles arranged one within the other and spaced apart to form a closed evaporator chamber, the bottoms of said receptacles having flattened faces in contact with each other and having a cold water outlet secured therein, means for supplying water to said inner receptacle, and means for withdrawing cold water from said receptacle through said outlet.

1,985,065
REFRIGERATING SYSTEM
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application April 16, 1929, Serial No. 355,551. Divided and this application August 3, 1931, Serial No. 554,623
13 Claims. (Cl. 62—115)



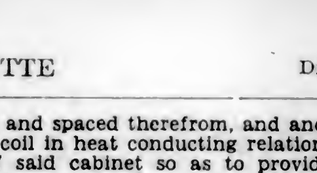
1. A refrigerating system including a cabinet, a compressor arranged in said cabinet and having a condenser coil arranged about said compressor and spaced therefrom, and another condenser coil in heat conducting relation with the wall of said cabinet so as to provide for the conduction of heat from said condenser to the wall of said cabinet for cooling said condenser.

1,985,066
PROJECTION SCREEN
Otto von Gruber, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany
Application December 21, 1933, Serial No. 703,445
In Germany December 24, 1932
2 Claims. (Cl. 33—20)



1. A projection screen for apparatus for plotting maps from measuring images projected on a screen surface, this projection screen having an aperture which represents the measuring mark of the apparatus, and means disposed behind this aperture and making the aperture appear black.

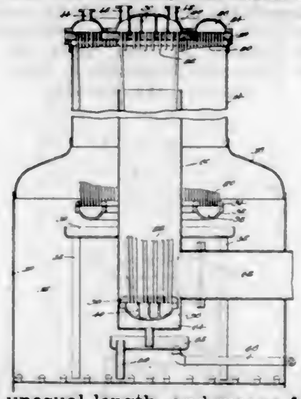
1,985,067
STEREOSCOPIC RANGEFINDER FOR PHOTOGRAPHIC PURPOSES
Ernst Wandersleb, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application April 5, 1933, Serial No. 664,647
In Germany April 6, 1932
4 Claims. (Cl. 88—2.7)



3. A sterescopic rangefinder for photographic purposes, consisting of a housing, this housing having two viewing apertures whose distance apart in the direction of the base of the rangefinder corresponds to the observer's interpupillary distance, two collimators, one mark disposed in the focal plane of each collimator, the said collimators being so coordinated to the viewing apertures of the rangefinder that one of the said marks is imaged in each viewing aperture at an infinitely great distance, those parts of the said collimators which cover the said viewing apertures having the effect of plano-parallel glass plates with respect to the viewing ray pencils, at least one of the said two marks being displaceable, and means for producing such a displacement of this mark as to displace the image of this mark at an infinitely great distance parallel to the base of the rangefinder.

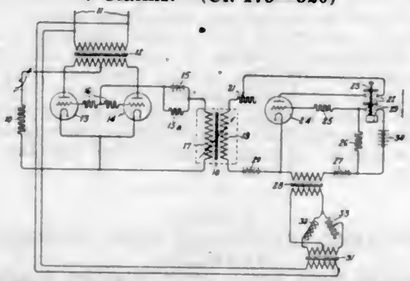
1,985,068
OIL REFINING APPARATUS
Nicholas Weber, New York, N. Y., assignor to C. H. Leach Company, New York, N. Y., a corporation of New Jersey
Application April 13, 1932, Serial No. 604,966
13 Claims. (Cl. 257—34)

1. Oil distillation apparatus comprising a distillation tower having a vapor space in the upper portion, condenser tubes located within the vapor space, means for dividing the tubes into vapor



passes of unequal length, and means for collecting the condensate formed in each vapor pass.

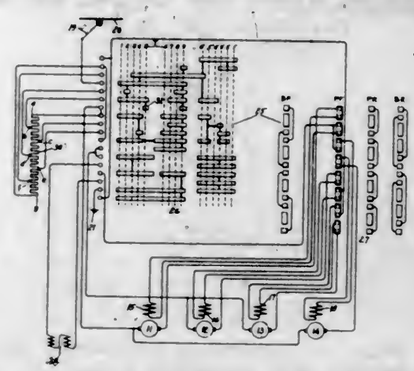
1,985,069
ELECTRIC TIMING CIRCUIT
Hellmut Anschütz, Berlin-Schmargendorf, Germany, assignor to General Electric Company, a corporation of New York
Application April 11, 1933, Serial No. 665,572
In Germany May 24, 1932
7 Claims. (Cl. 175—320)



1. An electric timing circuit comprising a source of current, a load device, an electric valve for controlling the transmission of energy from said source to said device, means for normally maintaining said valve nonconductive, a transforming device including a control winding for overcoming said means to render said valve conductive, means for selectively controlling the constants of said transforming device, and means for supplying a unidirectional current impulse to said transforming device to render said valve conductive for an interval dependent upon the constants of said transforming device.

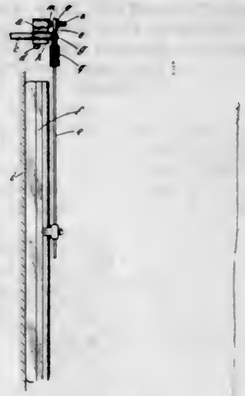
1,985,070
SYSTEM OF MOTOR CONTROL
Clinton J. Axtell, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application June 2, 1932, Serial No. 614,949
3 Claims. (Cl. 172—179)

3. A control system for controlling the acceleration and deceleration of a locomotive or the like, comprising a plurality of driving motors therefor, a single resistor provided with a plurality of sections having a predetermined resistance value, control means for connecting said motors in closed series circuit relation with each other and with said resistor for dynamic braking, said predetermined resistance value being such as to limit the current in said closed series circuit to a desired value, a source of supply, said control means being operable to connect said motors to said source of supply in series circuit relation with said resistance for motoring operation, said control



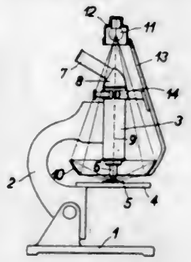
means at the same time connecting sections of said resistor in parallel circuit relation with other sections of said resistor during said motoring operation so as to utilize all of said resistor during said motoring operation and during said dynamic braking.

1,985,071
WINDSCREEN WIPER FOR AUTOMOBILES AND THE LIKE
Charles Bennett Baggs, London, England, assignor to Romac Motor Accessories Limited, London, England
Application February 20, 1934, Serial No. 712,113
In Great Britain September 14, 1933
4 Claims. (Cl. 15—255)



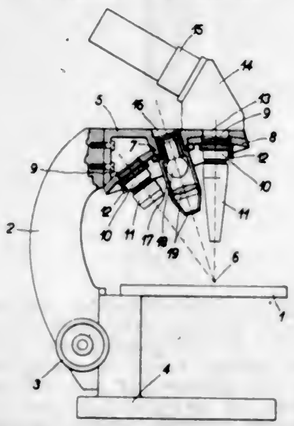
1. An improved blade carrying arm for a windshield wiper of the class described, a body member adapted to fit the exposed end of the wiper mechanism spindle, means to clamp said body member to said spindle, and pivot means on said body member for receiving said arm, said body member having a spring receiving means, and a spring between said spring receiving means on said body member and the arm whereby the wiper blade carrying end of the arm is resiliently held adjacent the windshield, said spring receiving means including a housing on said body member, a plunger moved by the spring member, and an adjustable screw member engaging said plunger and extending through the arm.

1,985,072
DEVICE FOR ILLUMINATING MICROSCOPIC OBJECTS WITH INCIDENT LIGHT
Walther Bauersfeld, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany
Application April 25, 1933, Serial No. 667,776
In Germany April 30, 1932
1 Claim. (Cl. 240—2)



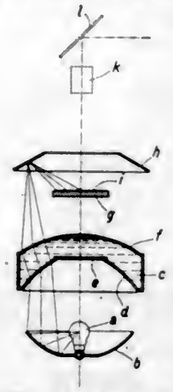
A device for illuminating microscopic objects with incident light, comprising a source of light disposed in the axis and on the image side of the microscope tube, an annular converging reflector disposed on the object side of the microscope tube, the reflecting surface of this reflector being a surface of revolution adapted to reflect the light incident from said source to the object being viewed, and means adapted to so dispose the said reflector concentrically to and outside the microscope tube that the cone of illumination rays emanating from the said source of light and incident on the said reflector substantially surrounds the entire length of the microscope tube.

1,985,073
NOSE-PIECE FOR MICROSCOPE OBJECTIVES
Walther Bauersfeld, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application October 19, 1933, Serial No. 694,267
In Germany October 22, 1932
6 Claims. (Cl. 88—39)



1. A nose-piece for microscope objectives, comprising a body adapted to be fixed to a pillar bracket and a part so provided in the said body as to be rotatable about an axis, this rotatable part containing guides for microscope objectives, the axes of these guides intersecting each other on the object side of the nose-piece and approximately in the said axis of rotation.

1,985,074
ILLUMINATION SYSTEM
Walther Bauersfeld, Jena, Germany, assignor to Carl Zeiss, a firm, Jena, Germany
Application October 30, 1933, Serial No. 695,810
In Germany November 2, 1932
4 Claims. (Cl. 88—24)



3. An illumination system for episcopic projection, comprising a source of light, a concave reflector having a vertical axis and surrounding this source of light, an annular reflector disposed behind and coaxial with the concave reflector, an object carrier disposed below the annular reflector, and a cooling chamber provided between the concave reflector and the object carrier, the light exit surface of this cooling chamber rising from the margin towards the middle, and the concave reflector and the cooling chamber being so constructed that the illumination rays emitted by the source of light and striking a meridian of the concave reflector are converged approximately in the middle of a meridian of the annular reflector.

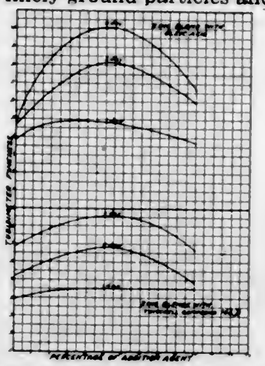
1,985,075
PACKING CONTAINER FOR VARIOUS ARTICLES
Charles H. Bird, Ansley, near Leicester, England, assignor to General Electric Company, a corporation of New York
Application November 27, 1931, Serial No. 577,695
In Great Britain December 2, 1930
6 Claims. (Cl. 229—89)



1. A container for a fragile article comprising a channel section, straps of progressively increasing length from end to end of said container to hold an article therein and end stops extending between the sides of said channel section to prevent displacement of said article along said channel.

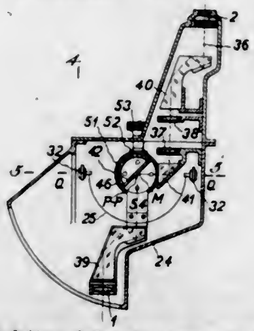
1,985,076
FINE DRY GRINDING
Frank G. Breyer, New York, N. Y., assignor to Singmaster & Breyer, Inc., New York, N. Y., a corporation of New York
Application August 16, 1930, Serial No. 475,798
10 Claims. (Cl. 83—94)

1. The method of grinding material to a fine dry powder which comprises cooling the material during the grinding operation to prevent adherence of the finely ground particles and adding an



agent having the quality of forming a moisture repellent coating on the particles being ground.

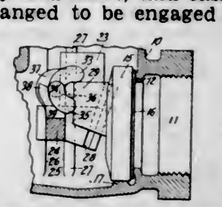
1,985,077
SIGHTING TELESCOPE FOR AIRCRAFT
Otto Burkhardt, Jena, Germany, assignor to firm N. V. Nederlandsche Instrumenten Compagnie, of Haag
Application August 1, 1931, Serial No. 554,515
In Germany August 8, 1930
5 Claims. (Cl. 88—1)



5. In a sighting telescope mounted in an aircraft for rotation about an azimuthal axis, optical members determining a line of sight for aiming at targets, at least the foremost part of these optical members being movable relatively to the aircraft in such a manner that that part of the line of sight which is directed to the target may be adjusted in a plane parallel to the said axis, the said optical members comprising a lens and a side mark, stabilizing means being provided for influencing the side mark, the side mark having the form of a circular arc and being cardanically so attached to the telescope that the point of intersection of the two Cardan axes coincides with the centre of the arc and that the movable Cardan axis coincides with a diameter of the arc.

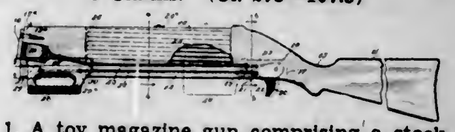
1,985,078
VALVE
John Gilbert Collison, Cleveland, Ohio, assignor to Au-Vo-Col Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 24, 1933, Serial No. 658,291
10 Claims. (Cl. 251—57)

1. In a valve casing having a valve seat, a valve member, an actuating member movable transversely to said valve seat and having means to successively move said valve member transversely and axially of said valve seat, said actuating member having bearings, a shaft mounted in said bearings, an arm carried by said shaft and arranged to act on said valve member, a second arm carried by said shaft, said casing having a fixed part arranged to be engaged by said sec-



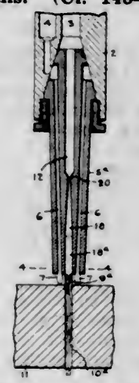
ond arm to cause the same to actuate said shaft, one of said bearings being open at its side to permit said shaft to be inserted in said bearings when said arms are in abnormal positions and said actuating member having means to hold said shaft against axial movement when said arms are in their normal positions.

1,985,079
TOY MAGAZINE GUN
Claude C. Conklin, Patchogue, N. Y.
Application February 10, 1932, Serial No. 591,987
9 Claims. (Cl. 273—107.5)



1. A toy magazine gun comprising a stock, a barrel, a flexible bow, a bow-string, a magazine communicating with said barrel, a detent mechanism in the path of said bow-string and a movable member separate from said bow-string slidably disposed upon said stock and adapted to engage with said bow-string whereby to strain said bow and to move said bow-string into operative engagement with said detent mechanism, substantially as specified.

1,985,080
OXYGEN CUTTING PROCESS
John J. Crowe, Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 3, 1929, Serial No. 411,239
5 Claims. (Cl. 148—9)



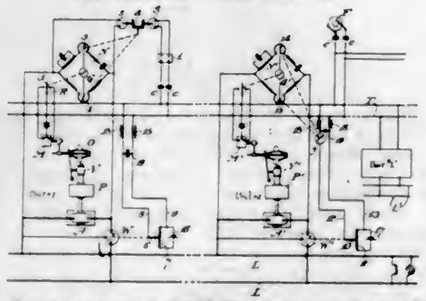
1. The process of oxygen cutting of metals by means of a stream of oxygen of velocity greater than 1000 feet per second and pressure approximately atmospheric.

1,985,081

METHOD AND APPARATUS FOR CONTROLLING ALTERNATING CURRENT GENERATING UNITS

Edgar D. Doyle and Leslie O. Heath, Philadelphia, Pa., assignors to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 1, 1931, Serial No. 526,878
21 Claims. (Cl. 290—4)



1. In a system comprising two or more alternators connected in parallel and individual prime movers therefor forming therewith individual generating units, the method of control which comprises individually controlling said units to maintain the instantaneous frequency of the generated current substantially constant, modifying the control of one of said units in accordance with the integrated difference between the frequency of the generated current and a standard, and modifying the control of at least one other of said units in accordance with its load.

1,985,082

ELECTRICAL MEASURING INSTRUMENT

Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application October 5, 1933, Serial No. 692,272
11 Claims. (Cl. 171—95)



6. In a magnetic field structure for an electrical instrument, a permanent magnet having the shape of a segment of an annulus and magnetized along radii of the circles forming said annulus.

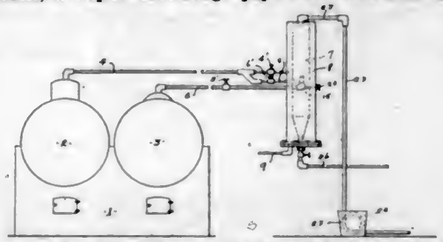
1,985,083

REFINING APPARATUS FOR HYDROCARBONS

Galen B. Finch, Wichita, Kans., assignor of one-third to John W. Davisson, and one-third to Ralph D. Jones, both of Wichita, Kans.

Application April 24, 1933. Serial No. 667,594
1 Claim. (Cl. 196—119)

In a refining apparatus for hydro-carbon, in combination with a steam boiler and a still, a chamber within a jacket, a pair of fittings connected and positioned in the chamber, an apertured cylindrical valve and a nipple in which the valve slidably engages, the nipple connected to one of the fittings, the valve having a flange to restrict inward movement thereof, a stem trunnioned in the other fitting, a spring secured to the valve and means connecting the spring to the stem to restrict outward movement of the valve, the last said fitting having a pipe connecting with the still, the said jacket having a pipe connection with the boiler and a lateral from the pipe connecting with the first said fitting, the lateral and other pipes having valves to control the flow therein, a vapor discharge pipe connected to the



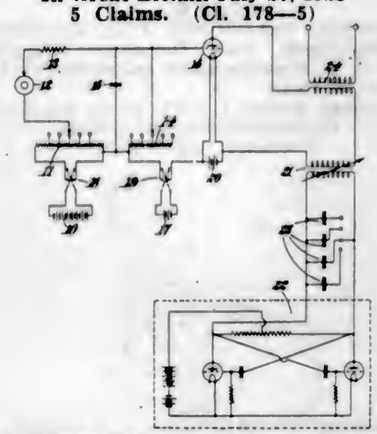
upper end of the chamber and a lubricant drain pipe connected to the lower end of the said chamber, all substantially as shown.

1,985,084

PICTURE TRANSMITTING SYSTEM

Otho Fulton, Bromley, England

Application July 3, 1929, Serial No. 375,790
In Great Britain July 20, 1928
5 Claims. (Cl. 178—5)



1. A picture transmitting system, comprising an oscillator, means for modifying the output of said oscillator comprising a valve, a resistor, a contact point, a movable picture reproduction having conducting and insulating portions and a source of current in series circuit relation with the grid and filament circuit of said valve, a further resistor in said circuit and a condenser shunting said further resistor, and means for varying the characteristics of the circuit so as to vary the time of charging and discharging the condenser without varying its limits of potential difference, including means for varying the effective voltage of the source of current, and the resistance of the further resistor simultaneously.

1,985,085

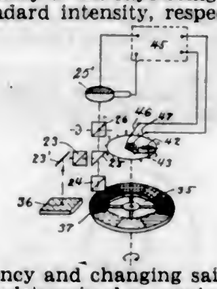
METHOD AND SYSTEM FOR PROVING DIFFERENCES OF LIGHT

Heinrich H. Geffcken and Hans R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application June 14, 1929, Serial No. 371,029
In Germany August 31, 1927
13 Claims. (Cl. 88—14)

1. The method of determining the intensity of light rays, which consists in photo-electrically and alternately comparing, at a given frequency, said rays with rays of standard intensity producing and ascertaining the alternate current photo-

electric response in accordance with the difference of intensity of the rays being tested and the rays of standard intensity, respectively, at said



given frequency and changing said standard intensity in predetermined succession at a frequency lower than said first frequency.

1,985,086

LIGHT SENSITIVE APPARATUS

Heinrich Hermann Geffcken and Hans Rudolf Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application July 25, 1930, Serial No. 470,690
In Germany August 5, 1929
4 Claims. (Cl. 250—27.5)



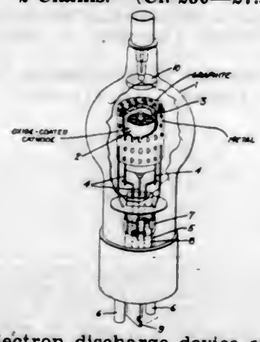
1. A photo-electric tube, comprising a sealed tubular vessel having a reentrant tubular portion concentric with said vessel, and a translucent light sensitive cathode film, covering the entire useful inside wall of said tube, excepting said reentrant portion; and an anode-electrode within said vessel.

1,985,087

ARC DISCHARGE APPARATUS

August Glaser, Berlin-Frohnau, and Werner Koch, Berlin-Hermsdorf, Germany, assignors to General Electric Company, a corporation of New York

Application November 4, 1932, Serial No. 641,264
In Germany November 9, 1931
2 Claims. (Cl. 250—27.5)



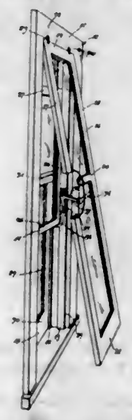
1. An electron discharge device comprising an envelope containing an oxide-coated cathode and an anode in opposed relation, a gas in said envelope at a pressure sufficient to support an arc-like discharge at the operating voltages, a metal grid surrounding said cathode and having a portion disposed between the cathode and anode, said grid portion being constituted of graphite.

1,985,088

COMBINATION STORM SASH OPERATOR AND FASTENER

Chester O. Goserud, St. Paul, Minn.

Application December 12, 1930, Serial No. 501,764
Renewed November 30, 1932
23 Claims. (Cl. 20—55)



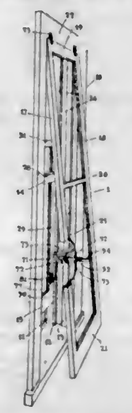
1. A sash fastener comprising a pair of jointed arms for attachment to the sash and frame of a window, a lever connected to one of said arms for swinging the same and a link connected to said lever for operating said lever.

1,985,089

SASH OPERATOR AND FASTENER

Chester O. Goserud, St. Paul, Minn.

Application November 18, 1932, Serial No. 643,158
17 Claims. (Cl. 20—55)



1. A sash operator comprising a pair of jointed arms for attachment to the frame and a sash of a window, a lever connected to one of said arms for swinging the same, and a pair of jointed links connected to the lever for operating said lever.

1,985,090

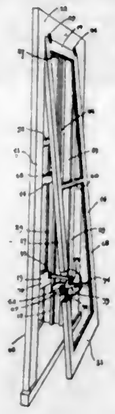
STORM SASH OPERATOR AND FASTENER

Chester O. Goserud, St. Paul, Minn.

Application November 18, 1932, Serial No. 643,159
17 Claims. (Cl. 20—55)

1. A sash operating device comprising a pair of jointed arms, a support for attachment to the frame of a window, a floating pivot carried by said support, one of said arms being pivoted

thereto and means connected to said arms and to one of the sash of the window for operating



another of said sash through said arms upon movement of the first named sash.

1,985,091

ROTOR FOR SELF-STARTING SYNCHRONOUS ELECTRIC MOTORS FOR CLOCKS AND THE LIKE

Alfred Haigis, Baden, Germany, assignor to Kienzle Taxameter und Apparate A. G., Schwartzwald, Germany, a corporation of Germany

Application January 8, 1931, Serial No. 507,387
In Germany November 5, 1930
4 Claims. (Cl. 172—120)



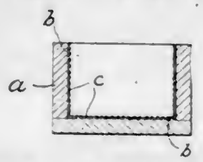
1. A rotor assembly, for a synchronous motor, comprising a shaft, an armature provided with spaced, constant unlike pole pieces affixed to the shaft, one or more disks disposed on said shaft in spaced relation with said armature, and soft iron elements carried by the disk and disposed between the pole pieces.

1,985,092

METHOD OF PRODUCING CONCRETE STRUCTURES

Harold P. Hayden, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a corporation of West Virginia

Application March 5, 1929, Serial No. 344,597
1 Claim. (Cl. 18—47)



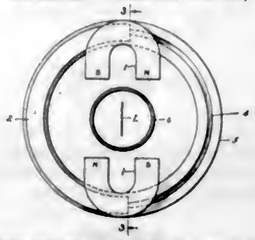
A parting medium adapted for the coating of a mold for concrete and for the support of a flexible, water-impervious film to be adhered to concrete formed in the mold, comprising a coating of clay formed by the application of an aqueous clay slurry to the mold.

1,985,093

CATHODE RAY TUBE

Friedrich W. Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application May 23, 1933, Serial No. 672,488
In Germany June 1, 1932
6 Claims. (Cl. 250—27.5)



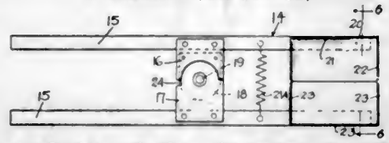
1. In combination, a cathode ray tube, a plurality of magnets mounted about said tube and having opposite poles facing one another, said magnets adapted to rotate about the tube, and means for maintaining the same relative positions of the magnets while being rotated.

1,985,094

DISPENSING DEVICE

Harry Hilsenrath, New York, N. Y.

Application April 10, 1931, Serial No. 529,123
1 Claim. (Cl. 31—31)



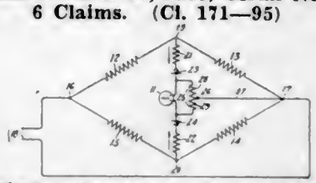
In a device of the character described, a cutter comprising pivoted arms disposed parallelly in normal relation, a rectangular receptacle end on each arm having cutting edges, the said receptacle ends being arranged to meet and form a complete receptacle, hinge plates carried by the arms, an extension on one of the hinge plates to which the other hinge plate is pivoted, and means for yieldably holding the meeting edges of the receptacle ends in close engagement.

1,985,095

DIFFERENTIAL ELECTRICAL MEASURING APPLIANCE

Stephen C. Hoare, Manchester, Mass., assignor to General Electric Company, a corporation of New York

Application October 27, 1933, Serial No. 695,469
6 Claims. (Cl. 171—95)



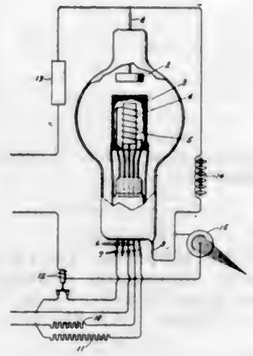
5. An electrical measuring apparatus comprising a current-responsive device having opposing elements with a common connection, and with independent connections, a pair of rectifiers connected on either side of said device through said independent connections, and arranged for current passage in opposite directions, the common point of said opposing elements serving as a neutral connection for said apparatus, and the free sides of said rectifiers being separate and serving as main connections for said apparatus.

1,985,096

HOT CATHODE GASEOUS DISCHARGE DEVICE

Yoshio Imaoka, Tokyo, Japan, assignor to General Electric Company, a corporation of New York

Application May 11, 1931, Serial No. 536,450
In Japan May 29, 1930
4 Claims. (Cl. 250—27)



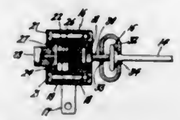
1. A gaseous discharge device comprising an evacuated envelope containing ionizable gas at a pressure sufficient to neutralize space charge, a plurality of electrodes therein including main and auxiliary cathodes and an anode, said main cathode being indirectly heated and said auxiliary cathode being in addition to the main cathode heater, said main cathode having a relatively large heat capacity and at its normally operating temperature adapted to carry the entire load current, and the auxiliary cathode having a relatively small heat capacity and at its normally operating temperature adapted to carry a portion only of the load current, said cathodes being heated independently of one another, and means for energizing the auxiliary cathode and raising its temperature to the operating condition prior to raising the temperature of the main cathode to its operating condition.

1,985,097

LIGHT CONTROL APPARATUS

William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1933, Serial No. 700,481
3 Claims. (Cl. 240—1.3)



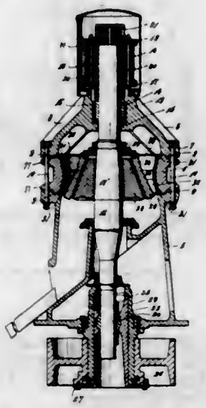
1. In a photographic light control apparatus, a control switch comprising a push button, a housing therefor, a pair of contacts which are connected to each other when said push button is pressed into said housing, and a clamp for attaching said control switch to the head of a camera release mechanism comprising a screw attached to said housing and axially aligned with said push button, a clamping member for engaging said head mounted upon said screw, and means for securing said head between said screw and said clamping member so as to axially align said release mechanism with said control switch.

1,985,098

GYRATORY CRUSHER

Joseph E. Kennedy, New York, N. Y., assignor to Nellie Kennedy, New York, N. Y.

Application November 12, 1928, Serial No. 318,669
Renewed July 1, 1933
15 Claims. (Cl. 83—10)



1. In a gyratory crusher, a conical gyratory crushing head, a concave extended around and spaced from the head, the inner face of the concave opposed to the face of the head having an intermediate cylindrical portion extending in the plane of the axis of the concave and diverging outwardly from said intermediate cylindrical portion to the opposite ends thereof at the same angle, the diverging portion opposed to the head portion of smaller diameter co-operating therewith to form a primary crushing zone, the diverging portion of the concave opposed to the head portion of larger diameter inclining in the direction of inclination of said head portion and co-operating therewith to form a final crushing and sizing zone, and the intermediate cylindrical portion co-operating with the opposed face of the head to form a secondary crushing zone intermediate the primary and final crushing zones, said concave being reversible end for end and in either position co-operate with the head to provide the primary, secondary and final crushing and sizing zones.

1,985,099

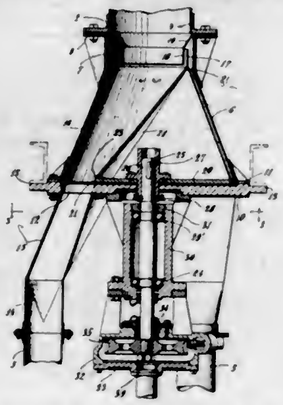
DISTRIBUTOR FOR PULVERIZED COAL FEEDING SYSTEMS

Joseph E. Kennedy and Herbert W. Johnson, New York, N. Y., assignors, by direct and mesne assignments, to Nellie Kennedy, New York, N. Y.

Refiled for abandoned application Serial No. 337,230, February 4, 1929. This application July 10, 1930, Serial No. 467,284
2 Claims. (Cl. 302—28)

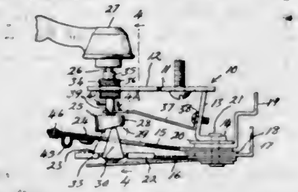
1. In means for distributing a pulverized material carrying air stream into a plurality of branch streams, a main conduit, a casing connected with the main conduit and having a plurality of outlet openings adapted for connection of branch conduits thereto, continuously revolving means in the casing at all times in communication with the main conduit and operative to connect and shut off the main conduit with the outlets of the

casing in successive sequence, and a fluid pressure motor mounted on the exterior of the casing



and having an operative connection with the revoluble means to actuate the same.

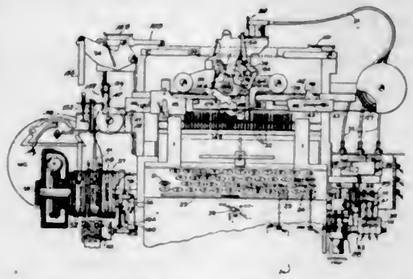
1,985,100
THERMOSTAT
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application December 14, 1931, Serial No. 580,996
6 Claims. (Cl. 200—138)



1. A thermostatic switch comprising, a thermostatic element movable laterally in accordance with temperature conditions, a second element adjacent the element aforesaid and having a laterally extending projection, cooperating contacts on the respective elements arranged in engagement with each other in the normal position of said elements, a rotatable member having an inclined portion engageable with said projection for moving said second element relative to the thermostatic element to separate the contacts irrespective of temperature conditions, and means for rotating said member to permit engaging different portions of said inclined surface with the projection and thereby permit engagement of said contacts at all temperatures below a predetermined temperature.

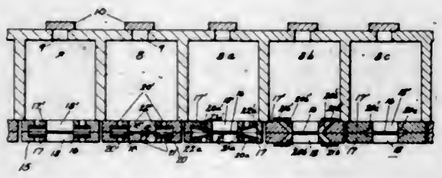
1,985,101
PUNCHING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application January 26, 1932, Serial No. 588,863
27 Claims. (Cl. 164—113)

1. In a machine of the class described the combination of a field of punches, manipulative devices for controlling said punches, record feeding and discharge mechanism for presenting blank records to said punch field and removing perforated records therefrom and a manipulative means for controlling alternate selection of each of a plurality of said punches as an incident to



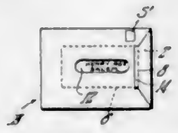
plural operations of said record feeding and discharge mechanism.

1,985,102
REED FOR MUSICAL INSTRUMENTS
Anthony Montenare, Reading, Pa.
Application June 23, 1934, Serial No. 732,108
8 Claims. (Cl. 84—375)



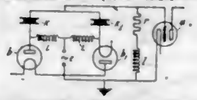
1. In a wind instrument having a sound chamber, controls for reversely directing air flow through said chamber, and a reed in the path of said air flow comprising a plate having an aperture, a vibrating tongue centrally mounted in said aperture and adapted to produce the same musical note by air flow through said aperture in either direction, sound volume increasing air passageways in said frame, and a valve for each passageway adapted to permit air flow therethrough in one direction only.

1,985,103
ENVELOPE
Edward A. Olson, East Orange, N. J.
Application March 21, 1934, Serial No. 716,665
3 Claims. (Cl. 229—70)



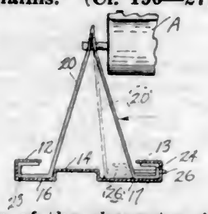
1. A container of the class described comprising in combination, an envelope provided with a pocket open at one edge having a window in one wall thereof and a flap extending from the opposite wall of said envelope at said edge adapted to be inserted into said pocket through said open edge to lie adjacent said first-named wall, said flap including a closure portion adjacent the jointure of the flap and said one wall and a panel extending from said closure portion of such size as to have a portion thereof visible through said window when said flap is inserted within said pocket.

1,985,104
METHOD OF AND MEANS FOR VARYING RADIO FREQUENCY CURRENTS
Mendel Osnos, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 14, 1929, Serial No. 370,826
In Germany June 25, 1928
5 Claims. (Cl. 250—36)



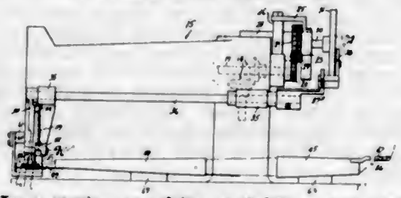
1. Means for producing oscillations of a constant amplitude and of a frequency which varies between fixed limits comprising, a thermionic oscillation generator having input electrodes, a frequency determining circuit comprising parallelly connected crystals connected between said input electrodes, a variable impedance in series with each of said crystals, and means for varying said impedance oppositely and continuously at a super-audible rate.

1,985,105
WINDOW SHADE RAISING DEVICE
Warren S. Pickett, Santa Clara, Calif.
Application April 16, 1934, Serial No. 720,900
2 Claims. (Cl. 156—27)



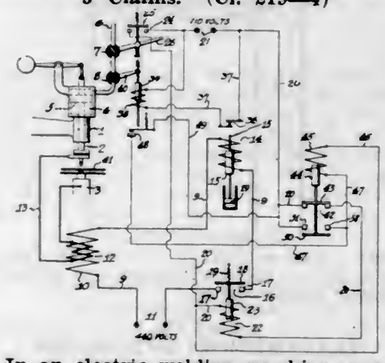
1. In a device of the character described, the combination with a track mounted upon a side of a window, a movable bracket mounted in said track adapted to support an end of a shade roller, means for adjusting the position of said bracket in said track, said means including a removable pin extending through said track and into said bracket.

1,985,106
PLAITING ATTACHMENT FOR SEWING MACHINES
Harry Robbins, New York, N. Y., assignor to International Flouncing Co. Inc., New York, N. Y., a corporation of New York
Application January 23, 1934, Serial No. 707,905
4 Claims. (Cl. 112—134)



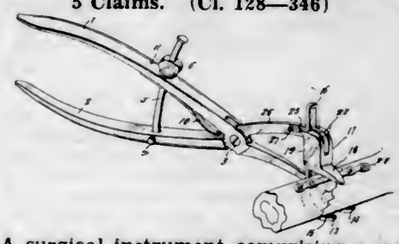
1. In a sewing machine, a folding and plaiting device therefor comprising a pair of sections for folding the material to be plaited into a tubular strip, a driven shaft on the machine, suitable gearing driven from the said shaft, a cam driven by the said gearing, a cam groove in the said cam, a rock shaft, a lever at one end of the rock shaft, a roller on the lever in operative engagement with the cam groove, a finger at the other end of the said rock shaft to plait the tubular strip after it leaves the folding sections, and a presser foot on the machine having an inclined surface against which the plait is formed.

1,985,107
CURRENT TIME CONTROL FOR ELECTRIC WELDING MACHINES
Henry W. Roth, Detroit, Mich.
Application June 3, 1932, Serial No. 615,202
5 Claims. (Cl. 219—4)



5. In an electric welding machine, a solenoid in the main welding circuit, a core movable in said solenoid, means for impeding the travel of said core under the influence of said solenoid, means for increasing the welding pressure, said means being operable by said core on reaching a given position in its travel, and means including a switch operable by said core for opening the welding circuit.

1,985,108
SURGICAL INSTRUMENT
Henry P. Rush, San Angelo, Tex.
Application December 18, 1933, Serial No. 703,003
5 Claims. (Cl. 128—346)

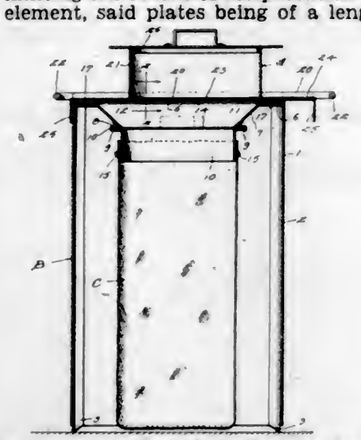


3. A surgical instrument comprising a pair of pivoted handles, a jaw formed integral with one of said handles, a yoked member extending from the inner end of said jaw and substantially perpendicular thereto, another jaw slidable on the outside of the yoked member and engageable by the other handle.

1,985,109
SIFTING APPARATUS
Frederick George Schwartz, Bexley, Ohio
Application February 11, 1933, Serial No. 656,350
4 Claims. (Cl. 209—337)

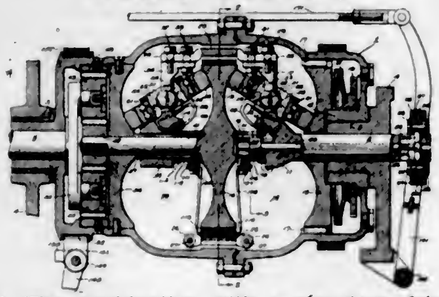
1. An apparatus of the class described comprising two separable units, one of said units constituting a housing and the other a sifting element, a hopper disposed over the upper portion of the housing, rollers carried by the marginal portions of the hopper, the sifting element when applied resting upon the rollers, and plates carried by the sifting element and extending fore and aft thereof, said plates having depending

flanges providing stops for contact with the housing for limiting the extent of reciprocation of the sifting element, said plates being of a length to



close the upper portion of the hopper fore and aft of the sifting element irrespective of the position of the sifting element.

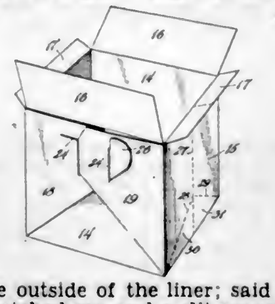
1,985,110
TRANSMISSION MECHANISM
John S. Sharpe, Haverford, Pa.
Application August 13, 1932, Serial No. 628,721
Renewed October 20, 1933
16 Claims. (Cl. 74—281)



1. The combination with a planetary driven member, of a pair of coaxial rotary elements engaging opposite sides of said planetary member, a planetary driving member operative through one of said elements to exert a driving torque of predetermined magnitude upon said driven member and a lesser driving torque upon said driven member through the other of said elements, means for immobilizing the last-named element, means operatively associated with the driving member for progressively decreasing and increasing said driving torques respectively to a condition of substantial balance wherein the said elements and the driven member tend to rotate as a unit in the same direction, and means for synchronously operating said immobilizing means and said torque-decreasing and increasing means.

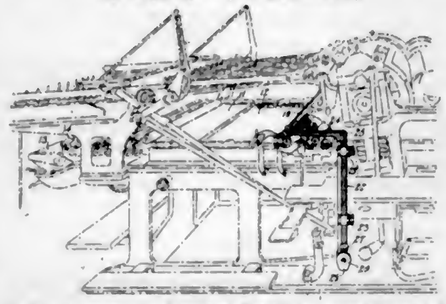
1,985,111
LINER FOR SHIPPING CONTAINERS
Marc R. Shofer, Minneapolis, Minn., and John V. Ewers, Keokuk, Iowa, assignors of one-half to Iowa Fiber Box Company, Keokuk, Iowa, a corporation of Delaware, and one-half to South West Box Company, Sand Springs, Okla., a corporation of Delaware
Application July 29, 1932, Serial No. 626,155
5 Claims. (Cl. 229—14)

1. A liner comprising a one-piece blank of flexible material; said blank being scored along two pairs of mutually perpendicular lines defining a rectangular bottom and four side walls and folded to form a right prism; said blank having four substantially rectangular corner segments, each bisected by a diagonal score line extending to a corner of the bottom, said corner segments being folded along said diagonal score lines to form substantially triangular flaps of double thick-



ness on the outside of the liner; said flaps each having a notched ear and a slit spaced from the ear; all of said ears being at the outer, free ends of said triangular flaps; pairs of said flaps on either side of the liner being folded toward each other and against said side walls and the ears of each pair of said flaps being interlocked in the slits of the other pair.

1,985,112
INK DISTRIBUTOR
George Alexander Skidmore, Rahway, N. J., and Frederick Raymond Molitor, College Point, and James Francis De Mott, New York, N. Y.
Application June 6, 1933, Serial No. 674,578
13 Claims. (Cl. 101—345)

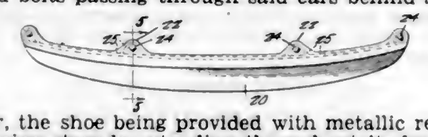


1. In a printing press having a reciprocatory printing form, inking means including distributor rollers for inking said form in response to the reciprocation of the latter, said rollers being mounted so as to be moved into positions to take them out of ink-distributing action to hold a quantity of ink in reserve, and means to move said rollers for the aforesaid purpose, said last means being operable to allow said rollers to move into positions for ink distributing action during the early part of the forward movement of the printing form, so that said inking means will distribute the reserve ink to the advanced portion of said form in each forward movement of the latter.

1,985,113
BUMPER SHOE
Neal G. Smith, Quitaque, Tex.
Application May 3, 1933, Serial No. 669,241
4 Claims. (Cl. 293—55)

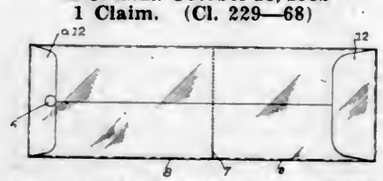
1. In combination with a bumper having a metallic impact bar, a shoe of resilient material

mounted on said bar and having spaced ears straddling said bar at its upper and lower edges, and bolts passing through said ears behind said



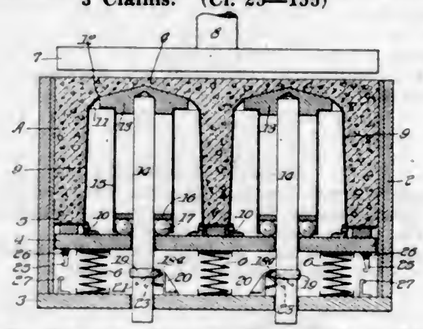
bar, the shoe being provided with metallic reinforcing strands extending throughout its length and arranged in loops around said bolts.

1,985,114
DUPLEX ACKNOWLEDGEMENT CARD WITH TRANSPARENT ENVELOPE
Richard Henry Storer, Vancouver, British Columbia, Canada
Application July 10, 1933, Serial No. 679,749
In Canada October 18, 1932
1 Claim. (Cl. 229—68)



An assembly of a transparent envelope and a card disposed within the said envelope having a medial transverse row of registering perforations through both the said envelope and the said card to localize and aid in tearing the said assembly apart without removing the severed parts of the said card from the severed parts of the said envelope.

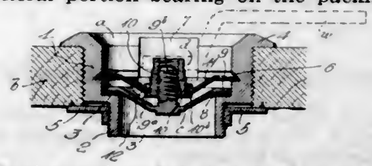
1,985,115
METHOD OF MAKING CONCRETE BLOCKS
Francis J. Straub, New Kensington, Pa.
Application October 20, 1931, Serial No. 569,908
3 Claims. (Cl. 25—155)



1. In the manufacture of concrete building blocks of plastic aggregate the method of forming a closed top core consisting in pressing the aggregate against a fixed resistance and around a receding inner forming surface, releasing pressure on the aggregate, and then imparting rotary wiping treatment to the inner surface of the core top.

1,985,116
LOCKING BUNG
John Thompson, Chilton, Wis., assignor of one-half to George C. Hume, Chilton, Wis.
Application May 1, 1933, Serial No. 668,839
1 Claim. (Cl. 217—106)

The combination with a bung bushing comprising an externally threaded body portion having a flange at its outer end, an internal shoulder at its inner end, an annular recess in its inner wall between the flanged end and shoulder and notches in its inner wall extending from the flanged end to said recess, of a packing ring on said shoulder, a bung comprising a disc having its peripheral portion bearing on the packing ring



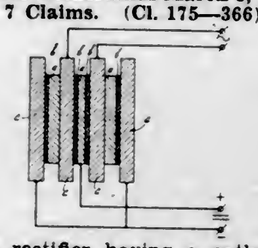
and having a threaded stud fixed to its central portion and projecting outwardly, and means for forcing the bung against the packing ring, comprising a sleeve nut on said stud and a member having a swiveled connection with the sleeve nut and having parts adapted to pass through said notches and engage said recess, said stud and nut having left-hand threads.

1,985,117
SOUNDING TRUNDLING TOY
Jasper Tirrito, Chicago, Ill.
Application September 1, 1934, Serial No. 742,481
4 Claims. (Cl. 46—45)



1. In a sounding trundling toy, a carriage, a two-part axle journalled in the carriage with a ground wheel fixed to each end thereof, a crank arm adjustably connected to the adjacent ends of the axle sections, a pair of cymbals resiliently supported on the carriage, a figure toy seated on the carriage, and including a pair of pivoted arms, a cymbal carried by each arm and a pitman rod connection between the crank arm of the axle and the arms of the figure toy.

1,985,118
DRY RECTIFIER
Willem Christiaan van Geel, Jan Hendrik de Boer, and Hendrik Emmens, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application January 22, 1931, Serial No. 510,580
In the Netherlands March 8, 1930
7 Claims. (Cl. 175—366)



5. A dry rectifier having a cathode and an anode, said cathode being formed substantially of one of the metals of the first sub-group of

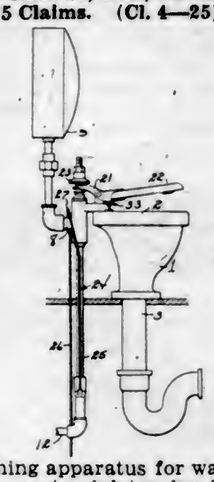
the fourth principal group of the periodic system, a layer of oxide of the cathode metal coating said cathode, the anode comprising a compound which contains as its negative component at least one of the elements selected from the group comprising the halogen-group, the oxygen-group, and the nitrogen-group.

1,985,119

FLUSHING APPARATUS FOR WATER CLOSET SYSTEMS

Joseph A. Vogel, Wilmington, Del., assignor to Joseph A. Vogel Company, Wilmington, Del., a corporation of Delaware

Application June 28, 1933, Serial No. 678,046
5 Claims. (Cl. 4—25)



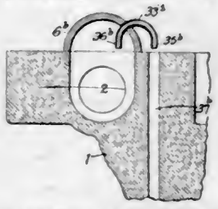
1. In a flushing apparatus for water closet systems having a water inlet valve located in the ground below the frost line, a siphon device having its intake leg connected to the supply line of the system above said valve for draining water from the system above the frost line after a flushing action.

1,985,120

VACUUM BREAK DEVICE FOR WATER SERVICE SYSTEMS

Joseph A. Vogel, Wilmington, Del., assignor to Joseph A. Vogel Company, Wilmington, Del., a corporation of Delaware

Application March 26, 1934, Serial No. 717,492
3 Claims. (Cl. 4—70)



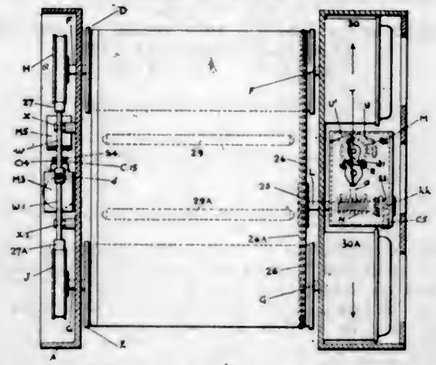
1. In a water service apparatus, a bowl having a main chamber with a discharge connection at its bottom, a water supply passage at its top and a drain channel leading from the top of the bowl from a point at one side of the inlet of the supply passage and thence downwardly into the bowl without communicating with said passage but communicating with the water chamber below the level of the top of said chamber, a water supply conductor communicating with the inlet of the water supply passage, and a vacuum break conductor extending through the water supply conductor and communicating at its inner end with said conductor and at its outer end with the external atmosphere, the latter-named end of said vacuum break conductor being disposed in spaced but conducting relation to the upper end of the drain channel.

1,985,121

ADVERTISING APPARATUS AND DISPLAY SIGN

Malcolm Walker, Malcolm Montague Walker, and George Morton Clark, West Lothian, Scotland

Application May 2, 1932, Serial No. 608,824
In Great Britain May 27, 1931
5 Claims. (Cl. 40—52)



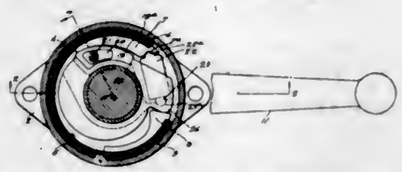
1. In an advertising apparatus and display sign, a frame, top and bottom rollers mounted in the frame, a screen connected at opposite ends to the rollers and adapted to be wound back and forth thereon, a metering wheel mounted on the frame and engaging in rolling contact with a side portion of the screen, lamps disposed within the frame behind the screen, a magnetic impeller connected to each roller, and electro-magnetic switches between the impellers and the metering wheel for alternately driving the rollers upon a predetermined operation of the metering wheel in opposite directions.

1,985,122

SHOCK ABSORBER

John Warren Watson, Wayne, Pa., assignor to John Warren Watson Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 2, 1932, Serial No. 620,665
19 Claims. (Cl. 188—130)



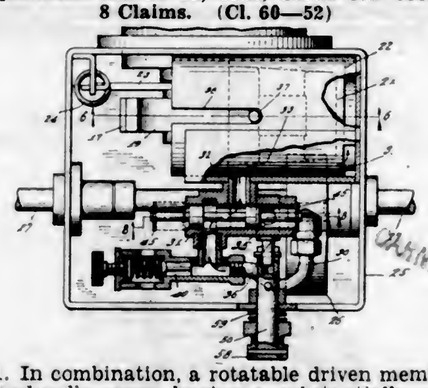
1. In a shock absorber, the combination of a friction drum and a relatively movable split friction band extending around the greater portion of the periphery of said drum, means for causing pressure between said drum and band and floatingly mounted means adapted to exert radial pressure against said band adjacent one end thereof, to increase the pressure between said members accordingly as the force to relatively move them is increased.

1,985,123

STOKER DRIVE

Albert E. Weaver, Indianapolis, Ind.

Application March 18, 1932, Serial No. 599,643
8 Claims. (Cl. 60—52)



1. In combination, a rotatable driven member, a hydraulic pump having a substantially constant discharge rate, and means operated by said pump for rotating said driven member, said means comprising a reciprocable member having a stroke of constant length, a one-way drive connection between said reciprocable and rotatable members, a hydraulic motor for moving said reciprocable member in a driving direction, means operable upon completion of a non-driving stroke of said reciprocable member for establishing the operating supply of liquid from said source to said motor, means operative upon completion of a driving stroke of the reciprocable member for venting said pump, yielding means for moving said reciprocable member through a non-driving stroke, and means for opposing the non-driving movement of said reciprocable member, said last-named means being adjustable for regulating the duration of each non-driving stroke of said reciprocable member with respect to the duration of its driving strokes.

1,985,124

PROCESS FOR TREATING CELLULOSE CONTAINING FABRICS, THREADS, AND THE LIKE, AND PRODUCT THEREFROM

Ernst Weiss, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 13, 1932, Serial No. 611,245. In Germany November 23, 1931
8 Claims. (Cl. 8—20)

1. A process for producing transparent materials which comprises treating soft cellulose-containing material with sulfuric acid of a concentration above 50.5° Bé. at a temperature less than about 0° C., thereby producing a transparent material with a softness near to that of the untreated material.

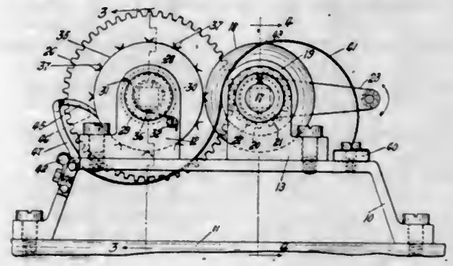
1,985,125

MEAT SCORING MACHINE

Paul L. Weirtz, Akron, Ohio

Application May 7, 1932, Serial No. 609,896
4 Claims. (Cl. 17—26)

2. In a meat scoring machine, the combination of a horizontal cylindrical work support, a plurality of disc knives arranged on an axis parallel thereto, rows of prongs on the work support for impaling work thereon, a guard plate extending over the knives and under the work support, said plate being formed with slots to receive the knives and constituting means for preventing adhesion of the work to the knives and for assuring delivery of the work at a determinate position with relation to the work



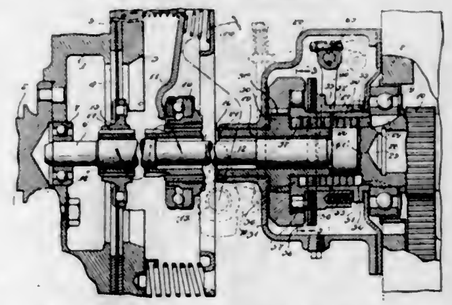
support, and a scraper engaging the surface of the work support adjacent the margin of the guard plate.

1,985,126

DRIVING MECHANISM

Ernest E. Wemp, Detroit, Mich.

Application November 5, 1931, Serial No. 573,114
16 Claims. (Cl. 192—48)



1. The combination of a driving member, a driven member, a coil spring having one end positively connected to one member to rotate therewith, a clutch having a driving part rotating directly with said driving member and having a driven part with clutching elements interposed between said parts, the other end of the spring being positively connected to the driven part of said clutch, said intermediate clutching elements including elements for establishing a drive connection from clutch driving part to clutch driven part, and elements for establishing a drive connection from driven part to driving part, and means for rendering the last named elements ineffective.

1,985,127

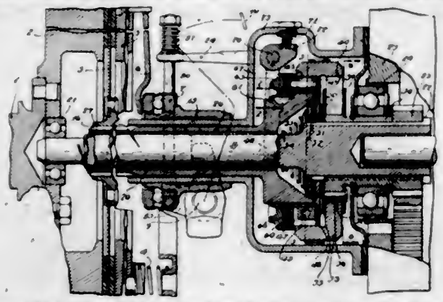
POWER TRANSMITTING MECHANISM

Ernest E. Wemp, Detroit, Mich.

Application November 5, 1931, Serial No. 573,115
12 Claims. (Cl. 192—48)

1. The combination of a driving member including a driving clutch part, a driven clutch part, a driven member, flexible connecting means between the driven clutch part and driven member for transmitting the entire load from said part to said member for permitting the driven member to lag behind said driven clutch part when torque is applied in one direction, and the driven clutch part to lag behind the driven member upon torque reversal, a set of clutching rollers for clutching the clutch parts with torque in one direction, another set for clutching the clutch parts with torque reversed, means oper-

able incident to the lag action for rendering some of the rollers ineffective, and control means



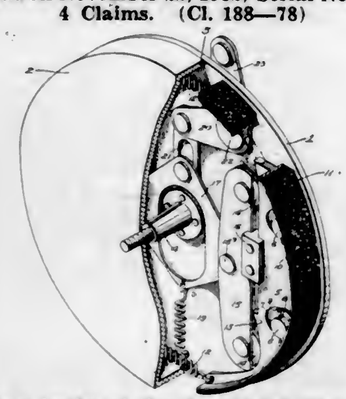
operable at will for maintaining one set of rollers ineffective.

1,985,128

INTERNAL SHOE AND DRUM BRAKE

Rolland B. Wenner, Wilson Borough, Pa., assignor to Easton Trust Company, Easton, Pa., a corporation of Pennsylvania

Application November 22, 1932, Serial No. 643,802
4 Claims. (Cl. 188—78)



1. In a brake of the drum type comprising a stationary and relatively rotatable member and a wheel shaft extending centrally therethrough, friction members movable radially in diametrically opposed directions with respect to said stationary member, said members having cam surfaces thereon, means tending to maintain said friction members in a retracted position with respect to the rotatable member, a bracket loosely surrounding the wheel shaft and slidable transversely thereof on a line perpendicular to the path of the travel of each of said friction members, elongated members intermediately pivoted on said bracket at each side thereof, said members having cam elements associated therewith arranged to ride upon the cam surfaces of the friction members, and means operable to actuate said bracket causing the cam elements to traverse the cam surfaces and actuate the friction members in radially opposite directions at right-angles to the movement of the bracket into contact with the relatively rotatable member.

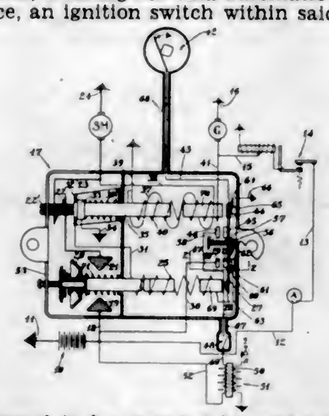
1,985,129

ELECTRICAL SYSTEM FOR INTERNAL COMBUSTION ENGINES

Daniel L. Wertz, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application May 31, 1930, Serial No. 458,024
10 Claims. (Cl. 290—38)

3. In an automatic starting system for internal combustion engines, a starting circuit including a motor and a switch, an automatic operating device for the switch, a manual lock type switch for energizing said automatic operating device, a timing mechanism for the ignition system, a casing for said automatic operating device, an ignition switch within said casing



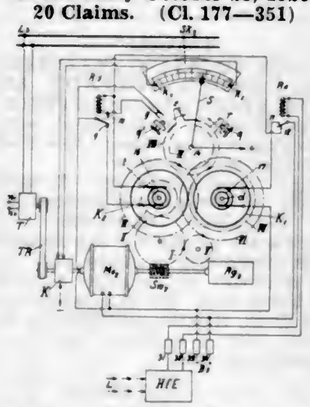
and arranged to be operated by said automatic operating device, theft resisting metallic sheaths connecting the lock switch and the timing mechanism to said casing, and means including contacts arranged to ground said timing mechanism when the ignition switch is open.

1,985,130

TELEMETRIC RECEIVER

Kurt Wilde, Berlin-Wilmersdorf, Germany, assignor, by mesne assignments, to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island

Original application October 22, 1927, Serial No. 227,933, now Patent No. 1,822,683, September 8, 1931. Divided and this application March 21, 1929, Serial No. 348,962, renewed February 9, 1934. In Germany October 23, 1926
20 Claims. (Cl. 177—351)



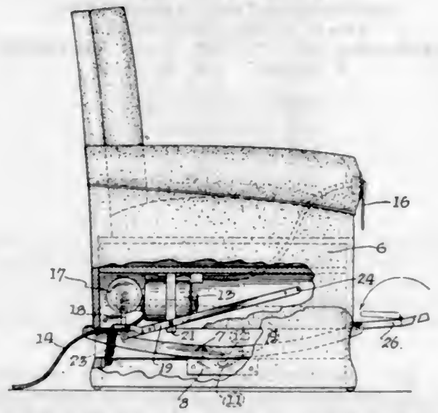
1. A remote controlled indicator comprising a movable indicating element adapted to remain where it is set, a member having an active movement for shifting said element in one direction, mechanism for driving said member at a predetermined speed from a constant starting point, means controlled by two successive current modifications received over a transmitting line for putting said mechanism into and out of action, and means co-operating with said element and said shifting member for engaging the element and moving it in a direction opposite to the active movement of said shifting member into engagement with said member in the event that such shifting member should perform an active movement of insufficient extent to bring it into operative relation to said element, and for subsequently returning the shifting member to its initial position.

1,985,131

CHAIR CONSTRUCTION

Max Julius Wilke, San Francisco, Calif.

Application December 19, 1932, Serial No. 647,984
1 Claim. (Cl. 155—70)



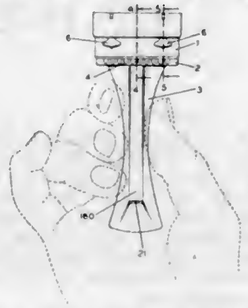
In a rocking chair, the combination with a base member, of a chair member mounted to rock on said base member, a motor mounted on one of said members, a crank arm carried by the motor, a lever pivoted on said member adjacent to the motor and having one end connected to said crank arm, and a spring connected to the other member and to the crank arm end of said lever, whereby when said motor is actuated the spring imparts a rocking motion to said chair.

1,985,132

SAFETY RAZOR

John H. Woods, Lynbrook, N. Y., assignor to Ray D. Lillibridge, Greenwich, Conn.

Application April 15, 1933, Serial No. 666,361
4 Claims. (Cl. 30—12)



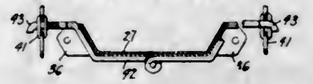
1. A safety razor including a sheet of flexible material having a fold at one end forming a blade receiving pocket and the remainder of said sheet having spaced scores or creases extending longitudinally thereof to shape said sheet as a beam resisting lateral bending when folded along said scores or creases for use as a handle, said sheet having means extending between said creases and defining part of an end of the beam.

1,985,133

SELF LOADING CONVEYER

Charles A. Young, Alamo, Colo., assignor to Alamo Coal Company, a corporation of Colorado

Application October 28, 1929, Serial No. 403,045
5 Claims. (Cl. 198—220)



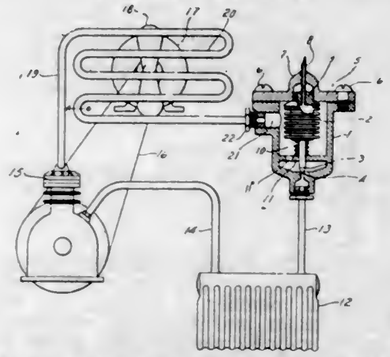
1. The combination with a trough-shaped conveyer, and suspension chains therefor, of yokes disposed beneath the conveyer and conforming to the outline thereof, each of the yokes comprising similar portions hingedly connected at their inner ends and provided at their outer ends with offset slotted ears to detachably engage links of the suspension chains.

1,985,134

LIQUID TRAP FOR REFRIGERATING SYSTEMS

Clarence B. Yount, near Dayton, Ohio

Application April 10, 1933, Serial No. 665,286
1 Claim. (Cl. 62—3)



A pressure valve for a refrigerating system including an evaporator, a compressor and a condenser, comprising a valve body formed with a refrigerant inlet port, bellows in said valve body to receive a liquid of different volatility than the refrigerant, a needle valve member projecting downwardly from said bellows, a seat in said valve body against which said needle valve member is adapted to be pressed by the expansion of the liquid within the bellows, a partition in the valve body between the bellows and the seat and formed with holes through which the needle valve member and the refrigerant passes, and a helical spring on the needle valve member between the bellows and the partition, for the purpose specified.

1,985,135

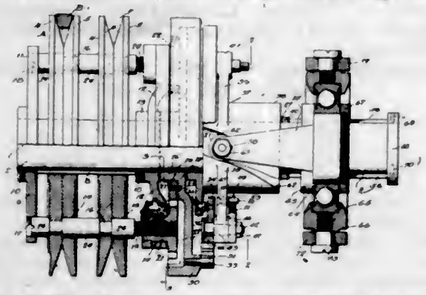
VARIABLE SPEED DRIVE

George F. Allen, Atlanta, Ga.

Application February 14, 1933, Serial No. 656,740
10 Claims. (Cl. 64—8)

1. A device for varying the driving speed of a pulley comprising driving means for the pulley, and means in connection with the pulley for radially moving the driving means with respect to the axis of rotation of said pulley, said means including a shaft, complemental sheave pulley sections mounted on the shaft, means connecting said sections, ratchet means associated with said connecting means, rotatable pawl means

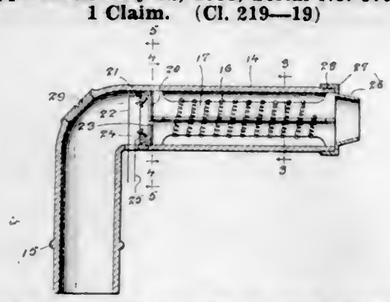
engageable with said ratchet means, and means for rotating said pawl means with respect to



said shaft, whereby simultaneous axial movement of the respective sheave sections is affected to vary the pitch diameter of said pulley.

1,985,136
AIR HEATING ATTACHMENT FOR VACUUM CLEANERS

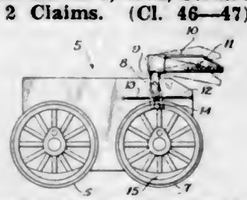
Lloyd R. Amoo, Morristown, S. Dak.
Application May 12, 1933, Serial No. 670,805
1 Claim. (Cl. 219—19)



A device for the purpose indicated comprising a tubular member, an elongated spider disposed in the tubular member, a heating coil wound around said spider, and means for retaining the spider in the tubular member, the spider in all but its extremities having its webs of less radial extent than the interior diameter of the tubular member, the webs at the extremities of the spider extending radially to abut the interior wall of the tubular member, the tubular member being provided with plates positioned in a common plane transverse to the tubular member and constituting abutments for the spider, the heating coil having its extremities disposed axially of the spider and retained in position to have such extremities abut said plates, the latter being provided with binding posts for connection with an electric energizing source, and means carried at the end of the tubular member to abut that end of the spider remote from the end adjacent said plates.

1,985,137
TOY LOCOMOTIVE CHUGGER

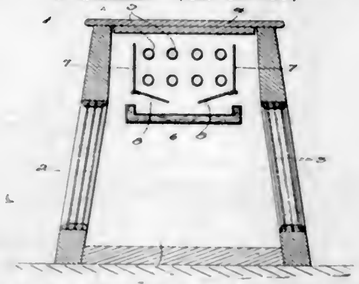
Rudolph C. Anzlovar, Brooklyn, N. Y.
Application March 5, 1934, Serial No. 714,174
2 Claims. (Cl. 46—47)



1. The combination with a toy locomotive, of a sounding box rockably mounted on the locomotive, a mass of pieces of material in said sounding box adapted to shift with the rocking of the box and to impact the walls of the same to simulate the sound of steam exhausting from a locomotive, means actuated by movement of the locomotive for rocking said box, said means comprising an arm secured to the box, a projection extending from one of the wheels of the toy locomotive and adapted to move said arm to rock the box, and spring means for returning said arm after movement by said projection.

1,985,138
REFRIGERATING APPARATUS

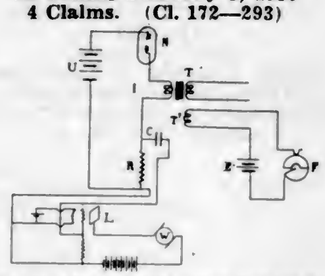
Len A. Banta, Clearfield, Pa.
Application July 30, 1929, Serial No. 382,092
8 Claims. (Cl. 62—99)



1. In a refrigerating chamber, the combination of refrigerating coils and an uninsulated metallic member disposed in close proximity to the refrigerating coils to be cooled thereby for causing a condensation of the moisture in the air in its passage into contact with said member.

1,985,139
ELECTRICAL SYNCHRONIZING DEVICE

René Barthelemy, Fontenay-aux-Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France
Application January 23, 1931, Serial No. 510,815
In France February 3, 1930
4 Claims. (Cl. 172—293)

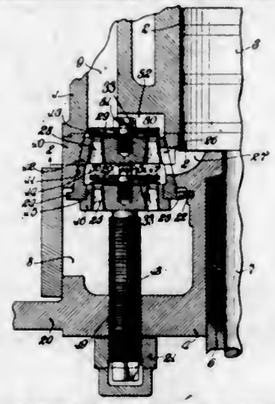


4. Apparatus for maintaining the rotation of a rotatable body in synchronism with received synchronizing impulses comprising means for driving said body, an electric arc discharge device responsive to the received impulses for controlling the movement of said driving means and means associated with said driving means for supplying successive impulses to said device for rendering it inoperative.

1,985,140
VALVE MECHANISM

Hjalmar T. Blom, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 21, 1932, Serial No. 618,501
15 Claims. (Cl. 277—61)

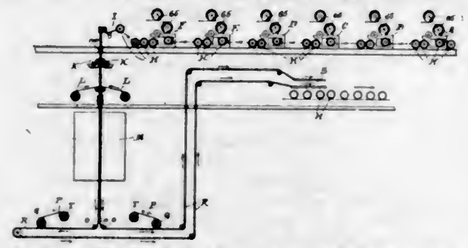
4. In combination, in a valve mechanism for compressors or pumps, a cylinder element having a conical bore, inlet and discharge chambers, a conical valve seat member seated within said conical bore and having formed therein a chamber and a communicating bore, a discharge valve



mechanism carried by said valve seat member, a second valve seat member seated within the bore in said first valve seat member and carrying an inlet valve mechanism, and means for holding said seat members in assembled relation.

1,985,141
METHOD OF PRODUCING PILE FABRIC

Horace B. Brainard, Thompsonville, Conn.
Application June 17, 1929, Serial No. 371,581
43 Claims. (Cl. 154—2)



6. A method of producing pile fabric consisting in simultaneously forming by means of wires, a plurality of pile areas having loops on the opposite surfaces of each area; assembling said areas in contiguous relation; coating the opposite looped surfaces of said contiguous areas with an adhesive backing substance; severing the pile between the backings and removing the wires after said severance.

43. A method of producing pile fabric having a looped pile in which the looped portion is secured to a backing, consisting in forming pile areas by the accumulation of independent rows of the pile forming material folding each independent row about a temporary spacing element, associating a series of independent rows maintained by spacing elements to form an area and adhesively applying a backing to the exposed loops to form a fabric.

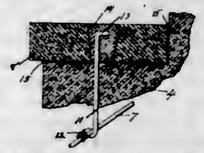
1,985,142
WELDING ROD OF COPPER

Oskar Brandenberger, Zurich, Switzerland
No Drawing. Application April 6, 1934, Serial No. 719,408
2 Claims. (Cl. 219—8)

2. As a new article of manufacture a welding wire for the purpose set forth, consisting of an alloy of a minimum of 0.5% and a maximum of 1% Sn, and a minimum of 0.3% and a maximum of 0.4% Si and the remainder of substantially equal parts of Cu and Zn.

1,985,143
PRECAST CONCRETE STEP

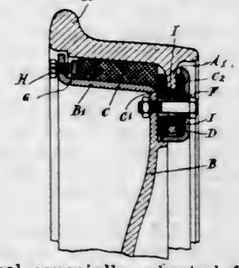
Benjamin E. Buffaloe, Memphis, Tenn., assignor of one-half to Morris L. Beutel, Memphis, Tenn.
Application March 30, 1933, Serial No. 663,625
6 Claims. (Cl. 72—96)



1. A stair composed of pre-cast concrete members, comprising a pair of carriages having reinforcing rods disposed therein with the free ends of certain of said rods extending through the tread surfaces of said carriages and distorted to form a head portion thereon, a series of concrete steps having frustro-conical openings therein near their free ends to pass over the head portions of said rods when the steps are placed in position on said tread portions and a filling of concrete in said openings to lock the steps to the ends of the rods.

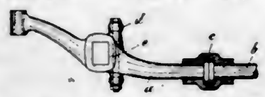
1,985,144
ELASTIC WHEEL FOR RAILWAY VEHICLES

Ettore Bugatti, Molsheim, France
Application March 23, 1933, Serial No. 662,380
In France March 29, 1932
7 Claims. (Cl. 295—11)



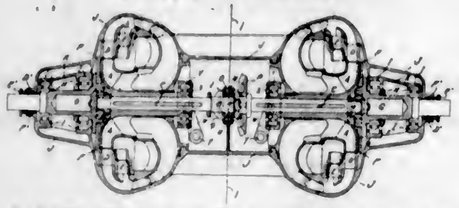
1. A wheel especially adapted for railway vehicles which comprises in combination, a web, a cylindrical projection coaxially provided on the outer face of said web, an annular cheek, a cylindrical flange on said cheek adapted to fit on said projection so as to form an outwardly opening channel running along the periphery of said web means for rigidly fixing said cheek opposite the marginal portion of said web in substantially parallel relation thereto and at a given distance therefrom, a metallic tire, an inwardly projecting rib on the inner face of said tire engaged between said marginal portion of the web and said cheek, said marginal portion of the web, said rib, and said cheek being provided with a plurality of registering holes, a plurality of rigid members extending throughout said holes for angularly connecting said tire to said web, elastic means on either side of said rib for holding it wedged between said marginal portion of the web and said cheek, a rim on the periphery of said web, and an elastic ring distinct and separate from said elastic means interposed between said rim and said tire.

1,985,145
FRONT AXLE FOR AUTOMOBILE VEHICLES
Ettore Bugatti, Molsheim, France
Application July 28, 1933, Serial No. 682,702
In France August 8, 1932
4 Claims. (Cl. 267—66)



1. In an automobile vehicle including a frame, the combination of a front axle made of at least two separate portions placed in line with each other, means for connecting said portions together so that they can have relative angular displacements about an axis parallel to the direction of the axle, and at least one triangle-shaped rigid structure pivoted on the one hand to one of said portions about a vertical axis parallel to one of the sides of said triangle and, on the other hand to said frame about a horizontal axis at right angles to said triangle, for opposing the effects of braking and tractive torques.

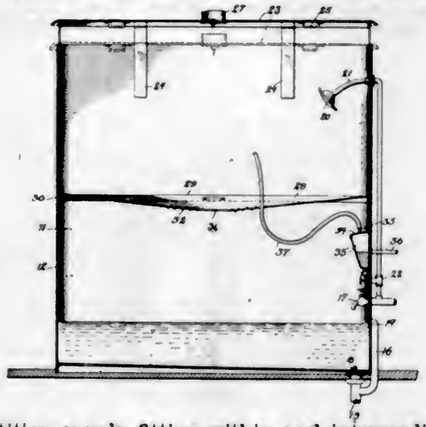
1,985,146
HYDRAULIC POWER TRANSMITTER
Duncan Campbell, Dumbreck, Glasgow, Scotland
Application May 13, 1933, Serial No. 670,985
In Great Britain May 18, 1932
1 Claim. (Cl. 60—54)



A hydraulic power transmitter comprising a fixed casing having a pair of outer turbine chambers with a connecting chamber to hold said outer chambers in spaced and axial alinement, a driving shaft rotatably mounted in said connecting chamber, an intermediate shaft supported within said chambers and connected to rotate with said driving shaft, a pair of oppositely disposed impellers mounted to rotate and to slide upon the intermediate shaft within the outer chambers, a ring carried by each of said impellers to slide therewith and to permit rotation of the impeller, a pair of pins supported within the intermediate chamber and having projecting ends outside of the chamber whereby to rotate the same independently, means for connecting said pins and rings to permit sliding movement of the impellers in opposite directions, a pair of driven shafts supported in said fixed casing in alinement with said intermediate shaft, and a disc provided with forward and reverse blades carried upon each of said driven shafts to permit the sliding movement of the impellers into registry with either the forward or the reverse blades whereby to control the rotation of the driven shafts.

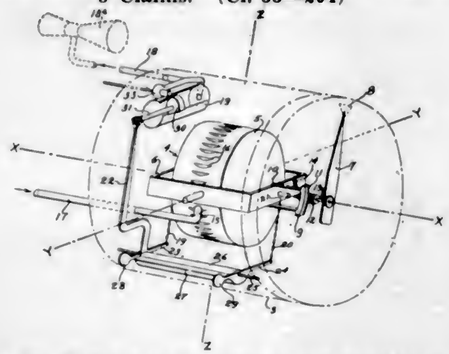
1,985,147
COMBINATION BATH UNIT
John S. Carlson, Brooklyn, N. Y.
Application February 9, 1934, Serial No. 710,544
3 Claims. (Cl. 4—162)

1. A vapor bath attachment for use with combination bathtub showers and shower units, having a chamber provided with enclosing walls, comprising a vertically adjustable horizontal



partition snugly fitting within and intermediate the heights of said walls and having an adjustable central opening.

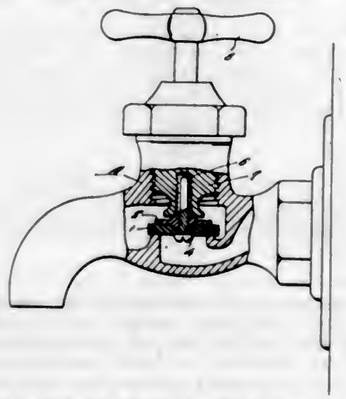
1,985,148
MEANS FOR INDICATING ANGULAR MOVEMENTS
Ralph Chappell, Richmond, Va., and Robert J. Streb, Baltimore, Md., assignors to Julien P. Friez & Sons, Inc., Baltimore, Md., a corporation of Maryland
Application November 28, 1930, Serial No. 498,898
8 Claims. (Cl. 33—204)



1. In a device for indicating the angular motion of a mobile or dirigible object about one of its axes, the combination of an air-tight casing, a gyroscope mounted in said casing for precession in response to said motion, means for introducing a jet of fluid under pressure into said casing and directing it to drive said gyroscope, means for exhausting said fluid from said casing, means for indicating the precession of said gyroscope, and means responsive to said fluid pressure interposed in the path of the exhausted fluid for producing a restoring force in proportion to the rate and magnitude of precession of the gyroscope, and means connecting said responsive means and gyroscope to return the latter to normal position.

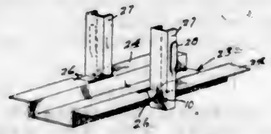
4. In a gyroscopic device, means for opposing the precession of the gyroscopic element to centralize the latter about its axis of precession, comprising a cylinder having a tapering inner wall, a piston movable in said cylinder, and means connecting said piston to the gyroscopic element for moving the former upon precession of the latter, said piston and cylinder being so arranged that movement of the piston produces a balancing force on the gyroscope for returning it to normal position after precession.

1,985,149
FAUCET VALVE
Charles Edwin Chapple, Batavia, N. Y.
Application December 9, 1933, Serial No. 701,707
2 Claims. (Cl. 251—139)



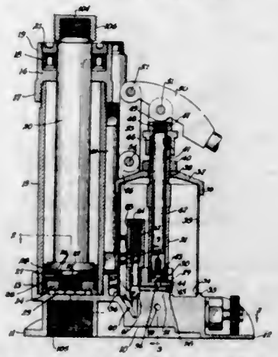
1. In a faucet, a body having a vertically arranged tubular part therein having its upper end flat to form a valve seat, a vertically adjustable stem in the body having its lower end flat, the lower part of the stem having a vertically arranged bore therein opening out through the flat lower end of the stem with the lower end of the bore enlarged and substantially semi-spherical, a plate having a centrally arranged hub provided with a threaded bore and a flange surrounding the hub, said hub projecting from the upper and lower faces of the plate and having its ends substantially semi-spherical, the upper end fitting in the enlarged part of the bore of the stem, a resilient flat washer having its upper face contacting the lower face of the plate and a portion of its lower face adapted to contact the seat, with the lower portion of the hub embedded in the washer and a screw passing through the washer and the hub and fitting loosely in the bore of the stem, the flange of said plate being spaced from the lower end of the stem.

1,985,150
METALLIC STUDDING AND PLATE
Cornelius Collins, San Francisco, Calif.
Application December 27, 1932, Serial No. 648,867
13 Claims. (Cl. 72—118)



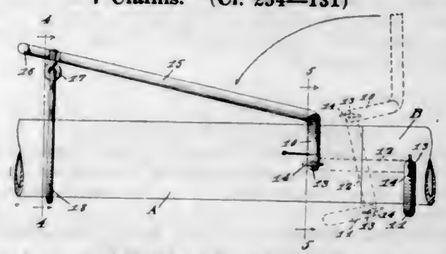
9. In metallic studding a plate of U shaped cross section, an outwardly extending longitudinal wing flange on the free edge of each leg of said plate; a transverse slot extending in each wing flange extending from the free edges of the respective wings inwardly, and a member held in each slot at an angle to the plate, said slots conforming to the cross sectional shape of said members.

1,985,151
DOUBLE ACTING HYDRAULIC JACK
Guy A. Countryman, Ashland, Ohio
Application August 12, 1933, Serial No. 684,873
5 Claims. (Cl. 60—52)



1. A hydraulic jack including a cylinder, a plunger in the cylinder, a pump, an oil reservoir, passages forming communication between opposite ends of the cylinder and the pump, spaced valve seats in each passage, a communication between each of said passages and the oil reservoir, a valve in each passage, arranged to selectively seat against either valve seat, and means for simultaneously operating the valves to alternately seat said valves against oppositely disposed seat, and to neutral position spaced from both valve seats whereby the plunger may be lowered by the weight of a load thereon.

1,985,152
PIPE LIFTER AND ALIGNER
Jesse E. Crockett, Minden, La.
Application April 24, 1934, Serial No. 722,202
7 Claims. (Cl. 254—131)

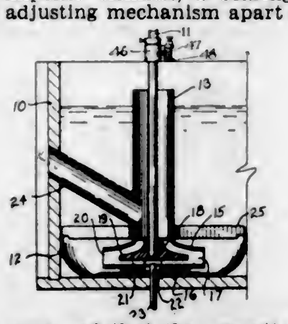


1. A tool of the kind described comprising a pair of reversely arched saddles connected in spaced relation to each other, and a lever on one of the saddles for the rocking of said saddles when engaged over and under adjacent pipe sections to bring the pipe section ends aligned with each other.

1,985,153
FLOTATION APPARATUS
Arthur C. Daman, Denver, Colo.
Application July 10, 1928, Serial No. 291,583
9 Claims. (Cl. 261—93)

1. In flotation apparatus, a flotation cell, an impeller element in the lower portion thereof, including a housing having an ingress opening and peripheral egress opening, a stationary conductive-element communicating directly with the ingress-opening and extending above a determinate liquid-level in the cell, for the admission of air to the impeller element, means for feeding

material to the impeller element, and a shaft carrying the impeller element, a bearing for said shaft, and adjusting mechanism apart from said



bearing so arranged that the operation thereof will cause a movement of the impeller element toward or away from said stationary element.

1,985,154

ROTARY TRANSFORMER ARMATURE

Henri S. de Malaussene, Santa Monica, Calif.

Application December 15, 1933, Serial No. 702,586

4 Claims. (Cl. 171—123)



1. A rotary transformer armature comprising a cylindrical shaped, metallic body, having a longitudinal extending bore therein, said bore being provided with oppositely disposed groups of spaced longitudinally extending slots therein, adapted to receive a direct current winding, and oppositely disposed longitudinal alternating current winding slots between said groups of direct current winding slots, the areas of said alternating current winding slots being greater than the combined areas of said groups of direct current winding slots.

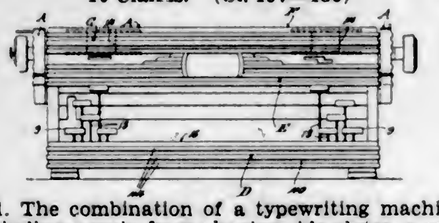
1,985,155

TYPEWRITING MACHINE

Bernard J. Dowd and Henry J. Hart, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application August 22, 1933, Serial No. 686,275

10 Claims. (Cl. 197—186)



1. The combination of a typewriting machine including a main frame having side plates, a carriage mounted thereon for letter space movements and including a platen, type bars mounted on the frame for cooperation with the platen, forwardly extending key levers connected to the type bars, and ribbon spools located above the key levers and in front of the platen; and a dust protecting mask enclosing the machine and including side plates and a connecting front plate, the latter being located above the key levers and in front of the ribbon spools, and a single cover for the ribbon spools located above the side plates of the main frame in front of the platen and hingedly connected along its rear edge to the side plates of the main frame of the machine and normally engaging the upper edges of the side and front plates of the mask.

1,985,156

CONDENSER CLEANER

Fred W. Fieldhouse, Louisville, Ky.

Application December 12, 1932, Serial No. 646,751

11 Claims. (Cl. 257—1)



1. A condenser cleaner comprising an operating means, a cleaning element, a cleaning element carrying means fixed in relation to a condenser and arranged to cause said element to contact said condenser and means to rotate said element and thereby remove accumulated foreign matter from said condenser.

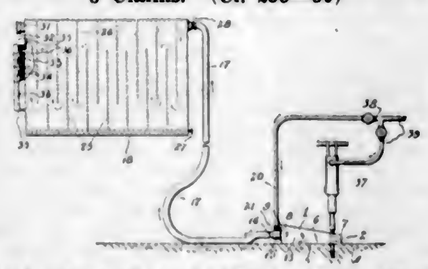
1,985,157

DUST ELIMINATOR

Henry L. Friedman, East Cleveland, and Max Pollock, Cleveland, Ohio

Application August 6, 1934, Serial No. 738,604

8 Claims. (Cl. 255—50)



1. An apparatus of the character described having in combination, a chamber, a low flat intake area connected with the lower end of said chamber, an outlet passageway connected with the opposite side of said chamber the axis of said outlet passageway being above the upper wall of said low flat intake area, and a nozzle in said apparatus associated with a source of pressure air supply and directed to discharge air through said outlet passageway so as to produce high velocity at such point with a suction effect in the intake area.

1,985,158

METHOD OF FORMING HOLLOW BLANKS FOR FILES AND THE LIKE

Emil Furler, Zurich, Switzerland, assignor to Furler Proceeding Association, Zurich, Switzerland, a firm of Switzerland

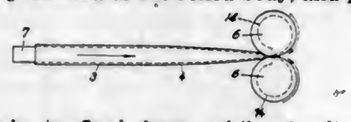
Application September 26, 1933, Serial No. 691,063

In Germany June 30, 1932

6 Claims. (Cl. 76—24)

1. The method of forming hollow blanks for files and the like which consists in producing a tubular body, rolling said body to approximately

the cross-sectional shape of the finished blank, tapering one end of the rolled body, and pressing



the body to final form, while simultaneously heating the body.

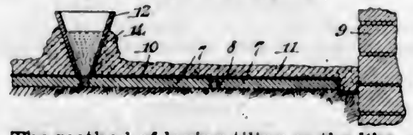
1,985,159

METHOD OF LAYING TILE FLOORS

Edwin B. Gates, Mertztown, Pa., assignor to The Atlas Mineral Products Company, Mertztown, Pa., a corporation of Pennsylvania

Application March 11, 1932, Serial No. 598,286

5 Claims. (Cl. 94—22)



1. The method of laying tiling or the like, comprising arranging separate bodies upon a foundation with the bodies separated by intercommunicating channels, converting said channels into temporary intercommunicating conduits by superposing on the bodies a temporary cover sheet of flexible material so arranged as to extend across said channels, providing one or more vent openings in said cover sheet, causing a fluent bonding material to flow through said conduits and to fill said channels to a uniform level by pouring a sufficient quantity thereof through one or more openings in said cover sheet, and removing said cover sheet after said spaces have been filled.

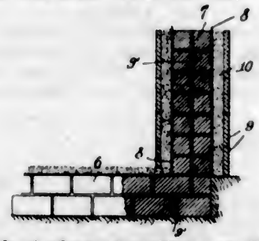
1,985,160

METHOD OF CONSTRUCTING TANKS

Edwin B. Gates, Mertztown, Pa., assignor to The Atlas Mineral Products Company, Mertztown, Pa., a corporation of Pennsylvania

Application March 11, 1932, Serial No. 598,287

5 Claims. (Cl. 72—14)



3. The method of constructing a wall consisting in erecting relatively spaced heat insulating forms and at approximately the same time laying bodies between said forms, and binding said bodies by means of a bonding agent applied while in a hot fluent condition.

1,985,161

ELECTRICAL HEATING APPLIANCE OF THE OPEN-GRID OR BOILING-PLATE TYPE

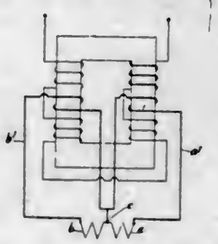
Neville Wallace Gilbert, Solihull, England

Application March 16, 1933, Serial No. 661,164

In Great Britain March 19, 1932

14 Claims. (Cl. 219—37)

1. A boiling plate or similar heating grid comprising, in combination, two electrically-independent resistance elements, a double-secondary transformer, and connections between each resistance element and one secondary circuit of said



double-secondary transformer, whereby to supply currents of opposite polarities to the respective resistance elements.

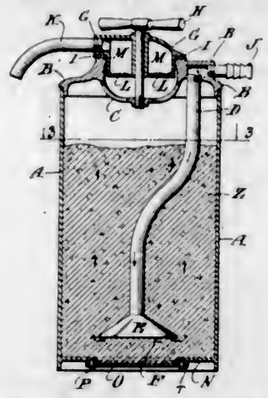
1,985,162

PORTABLE WATER SOFTENER

Richard L. Gilles, Fargo, N. Dak.

Application February 26, 1932, Serial No. 595,357

5 Claims. (Cl. 210—24)



1. In a water softening apparatus, the combination of a container, a head casting, a removable chambered top member, a series of port openings directly opposite each other in the top and in the head casting, an inlet connection opening into one of the openings in the top, an outlet connection communicating with another opening in the top, the top being revoluble to place the aforesaid ports over each other to permit of reversing the flow of water through the apparatus, and a pipe leading from the head casting to the lower portion of the container.

1,985,163

MACHINE FOR PACKAGING MATTRESSES AND THE LIKE

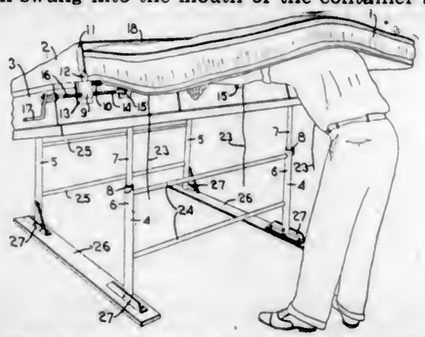
Samuel L. Ginsberg, Jamaica Plain, Mass.

Application February 1, 1932, Serial No. 590,226

6 Claims. (Cl. 226—18)

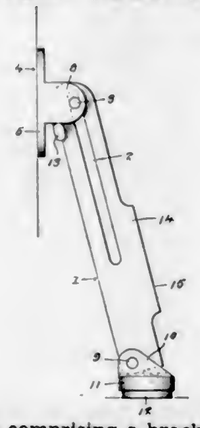
1. In an apparatus for packaging mattresses and the like, the combination with a table for supporting a container to receive the mattress, which table is provided with grooves to receive tie members for tying up the package, of container-opening members carried by the table and adapted to turn about a vertical axis to permit them to swing into and out of the mouth of a container supported on said table, manually-operated means for separating the container-open-

ing members from each other after they have been swung into the mouth of the container and



for retaining them in their adjusted positions, thereby to hold the mouth open.

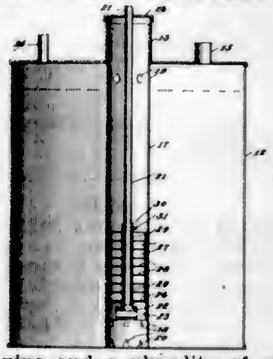
1,985,164
DOORSTOP
John G. Green, Greensboro, N. C.
Application November 7, 1933, Serial No. 697,059
1 Claim. (Cl. 292—338)



A door stop comprising a bracket, a pivot pin carried by the bracket, an elongated leg having a slot receiving the pivot pin, a foot pivoted to the leg, a lug carried by the leg and extending laterally from one side of the leg to engage the under side of the bracket when the foot is wedged against the floor for positioning the pivot pin from either end of the slot, and an offset formed on the leg and having a straight edge to engage and rest against one face of the bracket when the leg is placed in an inoperative position for retaining the leg parallel with one of the vertical faces of the door and spaced from said face.

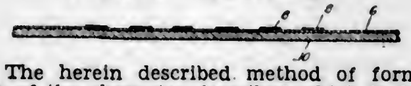
1,985,165
APPARATUS FOR CARBURETING AIR
Roswell T. Hapgood, Charleston, W. Va.
Application April 10, 1933, Serial No. 665,440
3 Claims. (Cl. 261—123)

1. A carbureting apparatus comprising a storage tank having a central upward extension provided at its top with a cap, a cylinder, affording a carburetant-confining receptacle, fitting closely at its top in said extension and resting at its lower end on the bottom of said tank, said cylinder being constructed for the inlet of the carburetant at its lower part and for the outlet of gas at its upper part, an air pipe extending down through said cap and cylinder and having an open lower end, an air distributor arranged above the lower



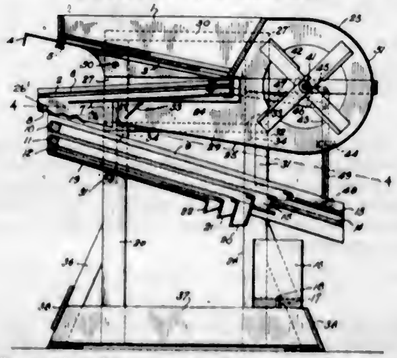
end of said pipe and a plurality of wire mesh baffles in said cylinder above said air distributor.

1,985,166
METHOD OF MAKING ELECTRIC RESISTANCE
Arthur Haroldson, Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application May 1, 1930, Serial No. 448,900
5 Claims. (Cl. 201—75)



1. The herein described method of forming units of the character described which includes pre-forming a measured amount of a conductive substance to a desired form and cross section, impressing the same upon a very thin sheet in such a manner that the unit in its formed shape adheres directly to said sheet, applying said sheet to a second sheet and consolidating said unit, said first sheet and said second sheet, by means of a resinous binder through the action of heat and pressure.

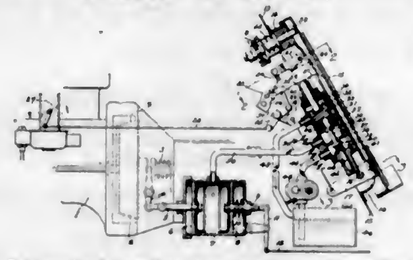
1,985,167
GRAIN CLEANING MACHINERY
Charles N. Hatfield, Fountain City, Ind.
Application July 1, 1933, Serial No. 678,681
9 Claims. (Cl. 209—33)



1. In grain cleaning machinery, a hopper, upper and lower vibratory shoes having screens, a fan casing, a fan therein, two supporting standards at each side of the machine composed each of upper and lower sections the lower of which are located without the upper sections and having a

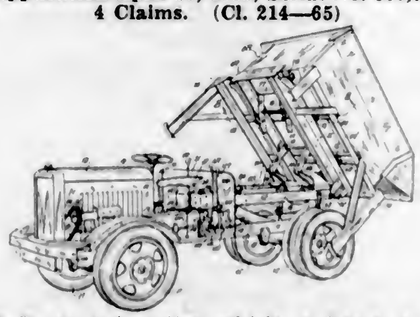
connecting cross bar for each couple thereof, the cross bars having end notches, the upper sections having reduced extensions fitting in said notches and shoulders resting upon the cross bars, the entire machine being liftable from said cross bars and insertible within the lower standard sections below said cross bars.

1,985,168
MOTOR VEHICLE CONTROL MECHANISM
John O. Heinze, Detroit, Mich., assignor of one-half to Arthur L. Cash, Marine City, Mich.
Application August 20, 1932, Serial No. 629,647
9 Claims. (Cl. 192—.01)



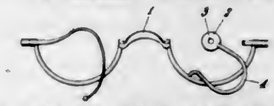
1. In control mechanism for operating the control instrumentalities of a motor vehicle including an engine clutch and brakes, the combination with said instrumentalities, of a single foot pedal pivotally supported for swinging movement in a single plane, and means movable with said pedal for effecting, in one position of its movement, the throwing out of said clutch and the simultaneous release of said brakes, in another position of its movement, said means being effective to throw out said clutch and simultaneously set said brakes, and in a third position, to throw in said clutch and simultaneously release said brakes, said means, in an intermediate position of its movement, being effective to operate said clutch alone and in another intermediate position, said means being effective to operate said brakes only.

1,985,169
INDUSTRIAL TRUCK
Roy C. Howell, Lakewood, and Frederick J. Avery, Willoughby, Ohio, assignors to The Howell Industrial Truck Company, Cleveland, Ohio, a corporation of Ohio
Application April 27, 1932, Serial No. 607,703
4 Claims. (Cl. 214—65)



1. In an automotive vehicle, a frame, a load box separable from said frame, a lift table mounted in the frame, means for raising said table with said load box supported thereupon, interengaging longitudinal guides upon said lift table and said box for preventing relative lateral movement, said guides permitting relative longitudinal movement between the box and lift table, a stop for limiting the forward movement of the box with respect to the table, a latch associated with the table for holding said box against movement rearwardly, and means operative automatically as said table rises away from said frame for setting said latch.

1,985,170
SHOOTING SPECTACLE
Max Jeanneret, Bern, Switzerland
Application February 23, 1933, Serial No. 658,189
In Switzerland September 27, 1932
5 Claims. (Cl. 88—41)



1. Stenopaeic shooter's spectacles, comprising a lensless spectacles frame, a disc having a stenopaeic aperture therein, and a flexible and pliable member interconnecting the disc and the frame so that the disc is located in one of the lens apertures of the frame at a point just short of the cornea of the eye of the user.

1,985,171
DISTILLATION OF METALS
Friedrich Johannsen, Magdeburg, Germany, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
Application January 24, 1933, Serial No. 653,327
In Germany January 25, 1932
15 Claims. (Cl. 266—18)

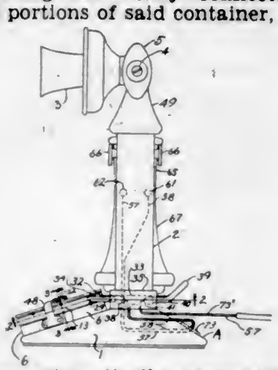


6. An apparatus for the distillation of metals comprising a substantially horizontally disposed cylinder mounted for rotation about its axis, a cylindrical muffle disposed substantially centrally within said cylinder and mounted for rotation therewith, the space between the exterior wall of the muffle and the interior wall of the cylinder comprising a rotary combustion chamber, means for charging solid fuel and air into said combustion chamber to be burned therein and advanced therethrough during combustion to heat said muffle, means for discharging the products of combustion, means for charging the muffle with material to be distilled, means for discharging the solid residue of distillation while the parts are rotating, and independent means for discharging the distillate.

1,985,172
LIGHTING DEVICE FOR TELEPHONES
George Keller, Detroit, Mich.
Application October 26, 1932, Serial No. 639,667
17 Claims. (Cl. 240—2.17)

1. In a lighting device for a telephone provided with a housing for supporting a dial and transmitter mechanism together with switch mechanism therefor, the combination of a dial plate constructed of transparent material, a suitably mounted housing supporting said dial plate, a bracket suitably supported on the housing of the telephone, a container for containing neon gas, said container being supported in said bracket, said container being provided with a portion extending adjacent the under side of said dial plate, said container being provided with a portion extending adjacent the housing of the telephone, said container being provided with terminal por-

tions in said bracket, a transformer connected with a source of electric current, said transformer being electrically connected with the terminal portions of said container, and a switch



mechanism automatically opening and closing the electrical circuit connected with said container, said switch mechanism being operatively associated with the switch mechanism of the telephone.

1,985,173

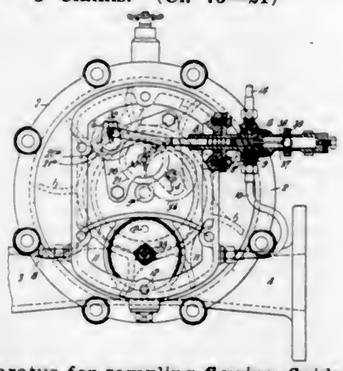
APPARATUS FOR SAMPLING LIQUIDS

Walter George Kent, Luton, England, assignor to George Kent, Limited, London, England

Application May 31, 1932, Serial No. 614,595

In Great Britain June 1, 1931

3 Claims. (Cl. 73—21)



1. Apparatus for sampling flowing fluids comprising in combination, a pump having its inlet in communication with the fluid from which samples are to be extracted, pump driving means operatively connected to said pump and being actuated by flow of the fluid for driving the pump, a closed receiver for the pump discharge adapted to maintain the extracted samples under pressure at least equal to that of the fluid from which the samples are extracted, and a conduit connection between the pump and said receiver, the discharge side of said pump, said conduit, and said receiver forming a system normally closed to communication with the atmosphere.

1,985,174

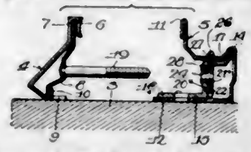
STORE FRONT CONSTRUCTION

George R. Kneeshaw, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan

Application January 21, 1933, Serial No. 652,805

3 Claims. (Cl. 20—56.4)

1. In a store front construction, the combination of an adjustable outer moulding and an inner pane seating section mounted upon the window frame, a bracket slidable in said moulding and carrying a rearwardly extending threaded element, a bracket mounted in said section and carrying a thumb nut adapted to receive said



threaded element, said nut having a portion of its periphery extending exteriorly of the section through an opening in a side thereof where it may be manually rotated and the setting of the pane adjusted from the interior.

1,985,175

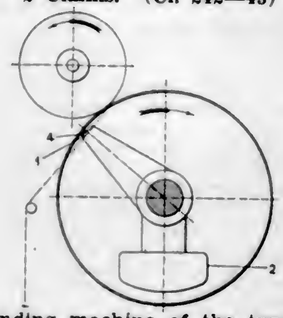
SPLIT DRUM WINDING MACHINE

Augustin Laché, Guebwiller, France, assignor to Société Anonyme Nouvelle Societe de Construction late N. Schlumberger & Cie., Guebwiller, France

Application January 25, 1934, Serial No. 708,326

In France February 6, 1933

2 Claims. (Cl. 242—43)



1. A winding machine of the type described comprising, in combination, a drum, a thread catching slot on said drum, an oblique slot on said drum and a strip positioned within said drum, said strip being slotted obliquely along its center.

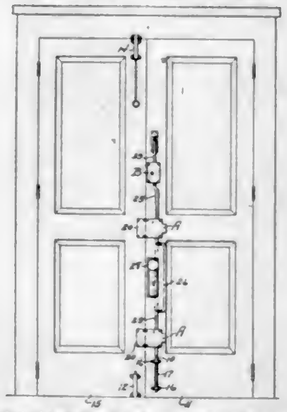
1,985,176

MULTIPLE BOLT LOCK

Robert M. Lamb, Jacksonville, Fla.

Application October 30, 1933, Serial No. 695,891

2 Claims. (Cl. 70—74)



2. A multiple bolt lock comprising spaced bolt mechanisms of which each comprises a case and a bolt slidably mounted therein, bars slidably mounted in each case at an angle to the bolt thereof, coupling means between the bars, the bars being operatively connected with the bolts to project and retract them upon longitudinal movement being imparted to the bars, a latch mechannism, a drive bar slidably mounted in the latch mechanism and operatively connected with one of the first said bars, and a hand grip operatively connected with the drive bar, the latch mechanism comprising an L-shaped pawl, a casing in which said pawl is pivotally mounted, a spring impelling the pawl toward the drive bar, the drive bar having a shouldered portion and the pawl a lateral leg engageable over said shouldered portion, and a key actuated member for moving the pawl in a direction away from the drive bar.

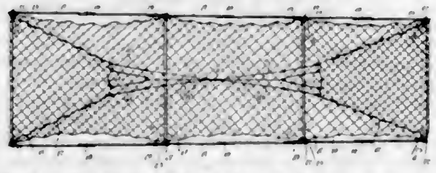
1,985,177

COLLAPSIBLE FISH BASKET

John T. Lawrence, Inman, S. C.

Application November 10, 1932, Serial No. 642,084

1 Claim. (Cl. 43—100)



In a collapsible fish basket, a frame comprising spaced hoops and rods secured to said hoops, a tubular net supported on said frame, inwardly extending conical-shaped entrance nets secured to the end hoops of said frame and having restricted substantially circular openings communicating with the interor of the tubular net, U-shaped loops having their extremities secured at spaced distances to the entrance nets adjacent to said openings, and strands of cords, each of said strands terminally connecting a loop on each of the entrance nets and located on opposite sides of the axis of the tubular net, all of said strands crossing intermediate of the entrance nets and secured together at the crossing, said loops and crossed strands of cords being circularly arranged and providing means for entrance of fish into the tubular net and a baffle to prevent escape therefrom.

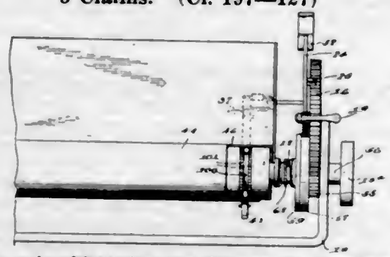
1,985,178

ATTACHMENT FOR BOOKKEEPING MACHINES

Joseph H. Loeb, Morgan City, La.

Application December 16, 1932, Serial No. 647,632

8 Claims. (Cl. 197—127)



1. In a bookkeeping machine, a device for predetermining the position of a sheet of paper in the machine and comprising means for punching a perforation in the paper at a point in said paper where a line of typing is to be applied, means adapted to be received by the perforation for retaining the sheet of paper in position for the addition of a new line of typing, means for progressively moving the paper through the machine, a platen adapted to frictionally engage and move the paper through the machine, means for progressively rotating the platen, means operatively connecting the platen moving means with the perforation receiving means for causing said means to be released from the perforation before the platen is rotated, the last-mentioned means including a gear and a lever carrying a pawl, said pawl adapted to engage the teeth of the gear after the lever has been moved through a predetermined angle, said lever being directly connected with the perforation-receiving means, and means for actuating the punching means.

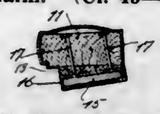
1,985,179

MIRROR ATTACHMENT FOR AUTOMOBILES

Henry A. Luthringshausen and Isidore Pine, New Orleans, La.

Application May 21, 1934, Serial No. 726,790

1 Claim. (Cl. 45—97)



In a mirror attachment for automobiles, the combination with a perpendicular corner post of the automobile windshield, of a mirror attachment for the corner post including a metallic frame having a mirror glass therein, a wedge member interposed between the frame and post to position the mirror at the desired angle whereby the driver of the automobile can view in the mirror automobiles approaching from the side opposite the mirror at street intersections and headed bolts extending through the base of the frame, wedge member and corner post for connecting the mirror frame and wedge member to the corner post, the mirror being disposed laterally of the windshield and spaced from the door whereby forward and lateral vision is unobstructed thereby.

1,985,180

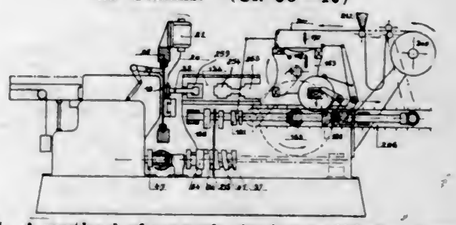
METHOD AND MACHINE FOR MANUFACTURING BOXES, SUCH AS MATCH BOXES

Frédéric Mange, Paris, France, assignor to Societe Indo-Chinoise Forestiere et des Allumettes, Paris, France, a company of France

Application January 11, 1933, Serial No. 651,187

In France January 11, 1932

18 Claims. (Cl. 93—40)



1. A method of manufacturing a slide box comprising an outer case and a drawer adapted to slide in said case, which comprises, taking a rectangular wood shaving, cutting it so as to form grooves therein in order to facilitate its subsequent folding at right angles, folding said shaving symmetrically at right angles on either side of a median band, so as to form a kind of U the base of which consists of one of the small sides of the case and the branches of which consist of

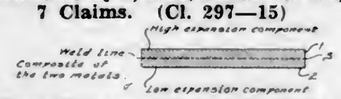
the two large sides thereof, folding the ends of the branches of the U so that they cover each other and thus form the second small side of the case, surrounding the case along nearly the whole of its periphery with a band of paper coated with glue, so as to maintain the case in its definitive form, and finally posing a label on one of the large sides of the case, then taking a wood shaving, cutting it by punching so as to give it an accurate outline provided at each corner with a notch, forming two series of grooves at right angles to each other in said shaving, the two series of grooves limiting a central rectangular surface, which will form the bottom of the drawer, surrounded by four rectangular surfaces, which will form the sides of the drawer, folding said shaving along said grooves, and posing a band of paper around the periphery of the drawer thus formed, so as to cover with said band of paper the sides of the drawer, the outer peripheral portion of the bottom thereof, and the upper portion of the inner surfaces of said sides, so as to maintain the drawer in its definitive form.

1,985,181

BIMETALLIC ELEMENT

Howard D. Matthews, Detroit, Mich., assignor to W. M. Chace Valve Company, Detroit, Mich., a corporation of Michigan

Application July 9, 1934, Serial No. 734,285
7 Claims. (Cl. 297—15)



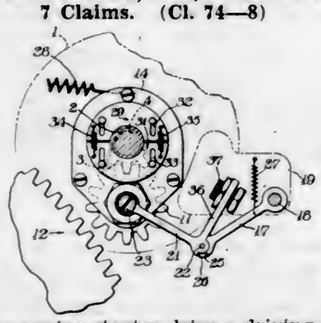
7. A bimetallic element consisting of a nickel-steel alloy having a low coefficient of expansion and a nickel-chromium alloy having a high coefficient of expansion, both said elements respectively having such carbon content that the melting point of the two elements is at substantially the same temperature whereby a direct weld may be made through surface contact of the two elements under pressure without burning or fracture thereby providing a bimetallic element of a high activity and free from internal fracture or separation along the welding line adaptable for use under high temperature.

1,985,182

STARTER GEARING

William L. McGrath, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application March 3, 1934, Serial No. 713,891
7 Claims. (Cl. 74—8)



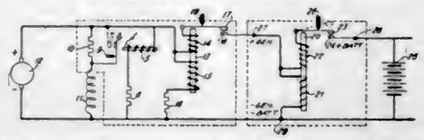
1. In an engine starter drive a driving member, a transmission member bodily movable transverse to its axis to engage with a member of the engine to be started, means for holding the transmission member in engaging position and speed controlled means for releasing said holding means.

1,985,183

ELECTRICAL APPARATUS

Charles I. McNeil, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Original application September 13, 1930, Serial No. 481,755. Divided and this application August 20, 1931, Serial No. 558,373
4 Claims. (Cl. 200—87)



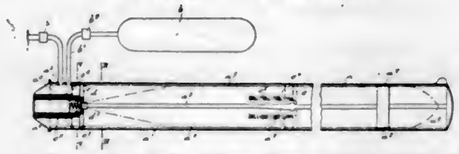
1. A reverse current switch comprising a substantially rectangular frame having a face plate at one end thereof forming flanges projecting on two sides of the end of the frame for mounting the latter on a panel whereby said frame is adapted to project perpendicularly from the rear of the panel, a shelf extending across the frame, a solenoid having a core secured to the shelf on one side thereof and within the boundaries of the frame, an armature pivoted on the shelf and operated by the solenoid and forming a closed magnetic path with the core and shelf when attracted by the solenoid, said armature projecting on both sides of the shelf parallel to the core, a fixed contact carried by the frame, a movable contact carried by the armature at one end thereof, said contacts being in circuit with the solenoid by which they are held closed when actuated manually to closed position, resilient adjustable means carried on the other side of the shelf and connected to the other end of the armature for opening said contacts when the solenoid is de-energized, and a knob operatively connected to the latter end of the armature for moving said armature to open or close the contacts, said knob projecting through the face plate whereby the switch may be operated manually from the front of the panel.

1,985,184

TORPEDO TUBE

Nicolas Emilien Methlin, Paris, France, assignor to Schneider & Cie., Paris, France, a limited joint-stock company of France

Application February 21, 1933, Serial No. 657,848
In France May 11, 1932
12 Claims. (Cl. 114—238)



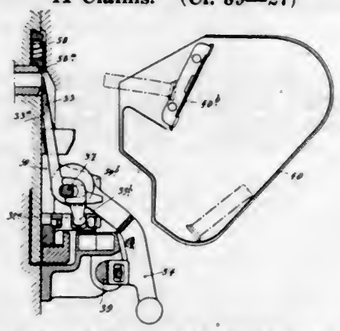
1. In a torpedo tube, the combination of a freely movable piston adapted to engage the rear end of a torpedo and to eject the latter from the tube, said piston comprising a plurality of tubular elements telescopically nested in one another and provided with means for limiting the extension of each element relative to the others, the front and rearmost elements of said piston each having an obturator disc with a periphery substantially corresponding to the inner surface of said tube, the front element also being closed at its forward end, means for supplying a fluid under pressure to the tube at a point behind the obturator disc of said rearmost element of the piston to cause initial movement of all of the elements of the piston as a unit, stop means carried by the tube at a point intermediate its ends for arresting movement of said rearmost element during ejection of the torpedo, the remaining elements thereafter extending themselves in succession and completing ejection of the torpedo from the tube, and a packing ring bored out to the diameter of the torpedo and secured to the inner wall of said tube adjacent the forward end thereof in such position as to be engaged by the obturator disc of said front element when the piston is in fully extended position and thereby prevent escape of the motive fluid through the outer end of the tube.

1,985,185

REMOTE CONTROLLED DEVICE FOR INSERTING AND EXTRACTING PRIMERS FOR LARGE BORE GUNS

Nicolas Emilien Methlin, Paris, France, assignor to Schneider & Cie, Paris, France, a limited joint-stock company of France

Application December 13, 1933, Serial No. 702,253
In France January 27, 1933
11 Claims. (Cl. 89—27)



3. In a remote controlled device for inserting and extracting primers in and from the breech blocks of large bore guns, a primer extractor mounted for pivotal movement about a pivot pin passing through said extractor at a point intermediate its ends, one end of said extractor being adapted to engage the primer, means operatively connected to said extractor for moving it about said pivot pin when said means are actuated from the remote controlling position, a member connected to said pivot pin and adapted to operate said extractor independently of said remotely actuatable means, said member being actuatable from a point closely adjacent the gun, and means normally locking said member and pivot pin in a fixed position relative to the breech block and thereby providing a fixed fulcrum for said extractor during actuation from said remote controlling position.

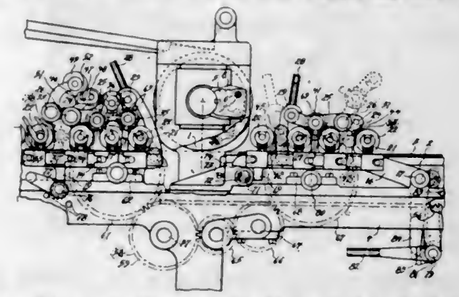
1,985,186

INKING MECHANISM FOR PRINTING PRESSES

Robert Miehle, Chicago, Ill.; Mabel K. Miehle administratrix of said Robert Miehle, deceased

Application June 8, 1931, Serial No. 542,760
33 Claims. (Cl. 101—357)

1. In a reciprocating bed and cylinder printing press the combination with groups of form inking rollers disposed on opposite sides of the cylinder and overlapping in their contact with a form on the bed and neither group completely covering the form, of distributor rollers for said form rollers, means for moving each group of form rollers out of contact with the form during the corresponding reversal of the bed and re-establishing said contact immediately thereafter while maintaining contact of the form rollers with said distributor rollers, means for supplying ink to



the rollers disposed on the rear side of the cylinder, said bed carrying the sole source of ink supply for the rollers disposed on the front side of the cylinder, and means for driving said form and distributor rollers with the bed.

1,985,187

VEHICLE TIRE

Anne Miller, Thurso, Caithness, Scotland

Application May 13, 1933, Serial No. 670,983
In Great Britain June 17, 1932
1 Claim. (Cl. 152—5)



An enclosed core for vehicle tire casings comprising a plurality of sections of resilient rubber having a central opening therethrough with oppositely disposed convex and concave end portions for interlocking the sections, each of said sections being oval shaped in cross section to provide a relatively thick wall for engaging the interior of the casing adjacent the tread thereof and a relatively thin wall adjacent the wheel rim and beads of the casing, and reinforcing members secured to each of said sections along the thin wall of each section to provide a circular tube and engaging the rim and beads to prevent chafing the thin wall on the rim and on the beads of the casing.

1,985,188

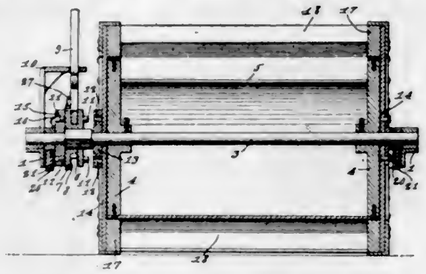
ROTARY SCRAPER

Julius H. Miller, Fallon, Nev.

Application July 24, 1933, Serial No. 682,022
2 Claims. (Cl. 37—9)

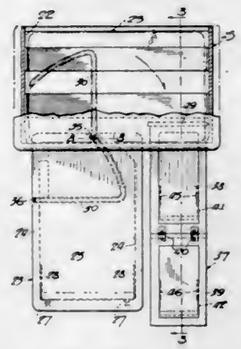
1. A machine for the purpose set forth comprising a portable frame, an axle mounted on said frame, a cylindrical receptacle secured to the axle and having an opening in one side thereof, a rotatable drum mounted loosely on the axle outside of the receptacle and concentric therewith, buckets on the drum adapted to take up dirt and deliver it through the opening into the receptacle, a scraper hung on the axle and disposed concentric to the drum whereby the rotating drum will take dirt from the scraper, a clutch collar splined to the axle, a clutch disc secured to the end of the drum to be engaged and disengaged by the clutch collar, a second clutch disc fixed to the frame to be engaged and disengaged by the clutch collar, and manually operated means for shifting the clutch collar longitudinal-

ly of the axle to connect and disconnect the receptacle from the drum and for holding said



receptacle against rotation and for rotating the receptacle manually.

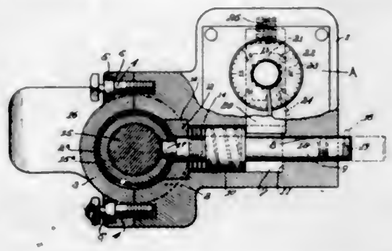
1,985,189
KITCHEN CABINET
Ninian R. Moore, Du Bois, Pa.
Application August 11, 1931, Serial No. 556,446
3 Claims. (Cl. 312—162)



1. A device of the character described comprising a cabinet formed with a compartment, a table of a size to fit within said compartment and normally contained therein, a guide track of inverted channel shape mounted on the underside of the table and provided with stop blocks within its ends, a roller mounted at the bottom of the compartment at the forward edge thereof and guidably engaged within said track, said table being slidable in parallel relation to the cabinet and then rotatable and slidable to bring it into extended position at substantially right angles to the front of the cabinet, and a folding leg structure hinged beneath the outer end of the table, said track being of substantially 7-shape with one leg extending transversely of the table and the other leg being curved and extending longitudinally thereof, the leg structure being recessed to avoid interference with the roller.

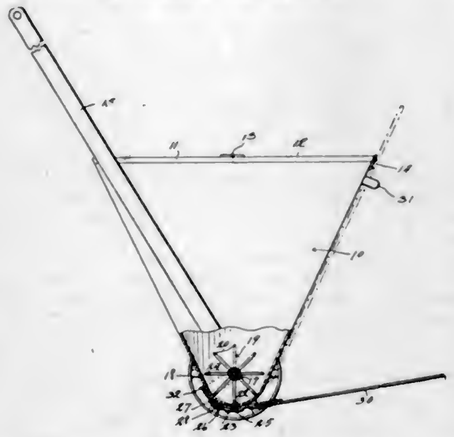
1,985,190
AUTOMOBILE LOCK
Harold D. Mulloy, Evanston, and Franklin Cassen, Chicago, Ill.
Application May 29, 1933, Serial No. 673,348
2 Claims. (Cl. 70—90)

1. A steering wheel lock for attachment to the tubular column of a steering post, comprising a casing, locking mechanism within said casing including a locking plunger mounted for movement toward and away from said column, said plunger when in operative position extending through said tubular column and into a recess associated with said post and when in retracted position having a portion extending out of said casing and permitting free rotation of said post,



resilient means tending to maintain said plunger in retracted position, and positive acting means associated with said portion for preventing movement of said plunger from retracted position until said last means has been actuated.

1,985,191
TENNIS COURT MARKER
William L. Nottingham, Capeville, Va.
Application January 4, 1934, Serial No. 705,290
4 Claims. (Cl. 275—2)

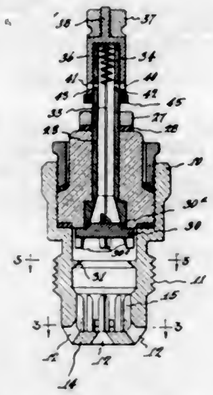


1. A marker as set forth comprising a hopper having a discharge opening in the bottom thereof, a shaft journaled in the hopper adjacent the lower end, wheels on said shaft, a closure engaging the hopper at the bottom thereof, means for mounting the closure for movement to open or close said discharge opening, and means carried by said closure for holding the closure in closed or open position, said latter means when the closure is in open position projecting forwardly of the hopper and constituting a guide means.

1,985,192
SPARK PLUG
Martin O'Marra, New York, N. Y.
Application March 15, 1932, Serial No. 599,039
2 Claims. (Cl. 123—169)

1. A spark plug provided with an air inlet and a plurality of air outlets and a passageway connecting said inlet and outlets, and an electrode adapted to open and close said passageway, and

means for adjusting the effective size of said inlet, said means comprising an apertured terminal



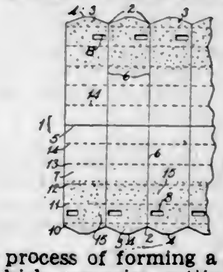
cap threadedly adjustable relative to said inlet to vary the effective area of the same.

1,985,193
PLASTER BASE
Walter F. Schulz, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application August 16, 1933, Serial No. 685,481
2 Claims. (Cl. 72—116)



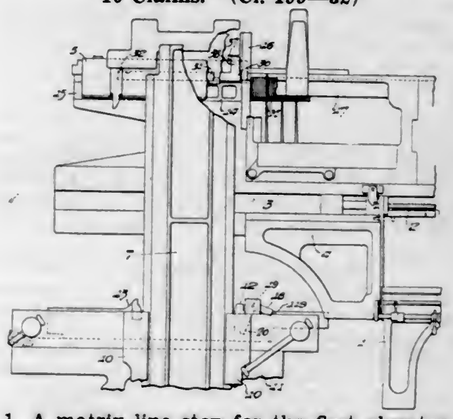
2. A plaster base comprising a metal sheet having spaced longitudinally disposed ribs on its rear side that are substantially V-shaped in cross section, the rear edges of said ribs constituting bearings against the supports to which the sheet is fastened and the portions of the sheet between the ribs being flat and normally lying in substantially a common plane and being spaced by the ribs from said supports, said ribs forming spaced substantially parallel open V-shaped channels in the outer plaster-receiving face of the sheet, and said portions of the sheet between the channels having a plurality of rows of substantially parallel elongated plaster key-receiving slots punched rearwardly through the sheet between adjacent ribs, the slots being substantially parallel to the channels and the deformed material around the slots forming rearwardly extending flanges between and parallel to the ribs and materially of less depth than the same.

1,985,194
PROCESS OF MAKING ENVELOPES
Carlton H. Smith, Larchmont, N. Y., assignor to Buggeln & Smith, New York, N. Y., a corporation of New York
Application December 9, 1932, Serial No. 646,371
8 Claims. (Cl. 93—61)



1. In the process of forming a mailing device, the steps which comprise cutting out material at a plurality of places longitudinally of a rectangularly shaped sheet so that the cut portions form sloping edges of flaps for said mailing device cutting said sheet off at said cut out places and at right angles to the edges of said sheet, and folding said cut off portions along a plurality of transverse lines.

1,985,195
LINE STOP FOR TYPOGRAPHICAL MACHINES
Samuel E. Sperry, Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application February 15, 1934, Serial No. 711,409
In Germany May 31, 1933
10 Claims. (Cl. 199—32)

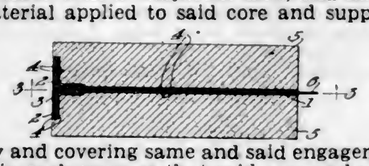


1. A matrix line stop for the first elevator of a typographical machine having vise jaws for closing against short matrix lines, said line stop being freely slidable in the elevator and engageable with one of the vise jaws to prevent excessive movement of said stop beyond the line engaging face of said jaw.

1,985,196
PARTITION
Armen H. Tashjian, Cleveland, Ohio, assignor to The Rivet-Grip Steel Co., Cleveland, Ohio, a corporation of Ohio
Application November 3, 1931, Serial No. 572,818
9 Claims. (Cl. 20—4)

1. An article of manufacture, comprising a structural unit in the form of a slab the faces of which are adapted to be assembled in unbroken partition-forming arrangement, said unit including a continuous imperforate metallic core,

one edge of said core provided with means for engagement with an adjacent unit, and insulating material applied to said core and supported

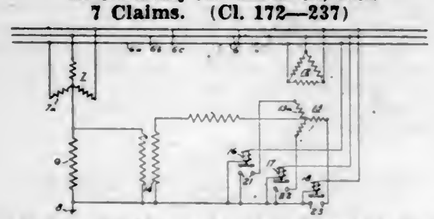


thereby and covering same and said engagement-means in such manner that said core and means are completely confined within a partition formed of said units.

1,985,197
ELECTRIC LINE PROTECTIVE SYSTEM

Albertus van Gastel, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application October 22, 1932, Serial No. 639,013
In Germany November 30, 1931
7 Claims. (Cl. 172—237)

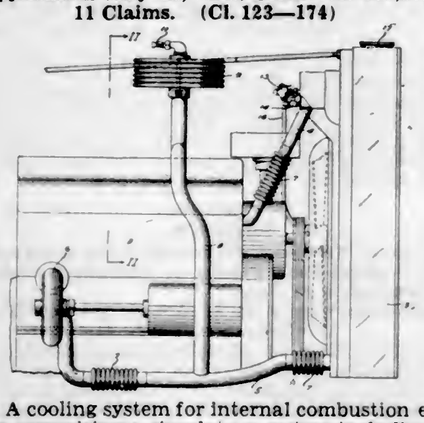


1. In a protective system for electric transmission lines having a neutral point, a reactor continuously connecting the neutral point of the line with ground and forming a portion of a circuit for the flow of capacitance charging currents between the line and the ground, a reactor arranged for connection with the first said reactor and with the line, and means for connecting the second said reactor with the line to energize the first said reactor upon grounding of one of the conductors of the line, the first said reactor being thereby energized at a potential component lagging 90 degrees relative to the potential of the grounded conductor of the line to compensate for the in-phase resistance drop of the capacitance charging currents flowing in the circuit including the first said reactor.

1,985,198
COOLING SYSTEM

Duncan B. Williams, Glen Ridge, N. J., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application May 12, 1933, Serial No. 670,671
11 Claims. (Cl. 123—174)

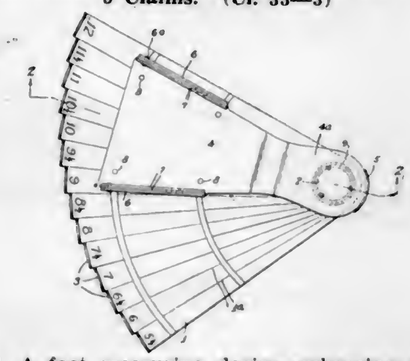


1. A cooling system for internal combustion engines comprising a circulatory system including a radiator and a portion in heat exchange relation with the engine, a cooling medium completely filling said circulatory system and permanently sealed therein against access of air, and means within said system adapted to permit expansion of said cooling medium with rise in temperature.

1,985,199
SHOE FITTING DEVICE

Elmer J. Bliss, Boston, Mass., assignor to Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts

Application December 26, 1933, Serial No. 703,876
5 Claims. (Cl. 33—3)



1. A foot measuring device embracing in its construction an approximately sector-shaped length-gauging member having arranged along its peripheral edge an arcuate series of radially offset toe-gauging members and a foot-receiving and positioning plate pivotally connected at its heel supporting portion with the apical portion of said sector, and being provided with divergent width-gauging members arranged to form gauging contact with opposite sides of the ball portion of an inserted foot to indicate in conjunction with a toe-gauging member the length and width size measurements of an inserted foot.

1,985,200
LINOLEUM AND METHOD OF MANUFACTURE

Robert D. Bonney and Walter S. Egge, Glen Ridge, N. J., assignors to Congoleum-Nairn, Inc., a corporation of New York

No Drawing. Application June 4, 1930, Serial No. 459,254
12 Claims. (Cl. 87—17)

1. The process of making linoleum cement which comprises treating linseed oil with heat and oxygen in the presence of boric acid to produce a solidified oil; and fluxing said solidified oil with resinous material to produce a cement.

1,985,201
TILE COMPOSITION

Robert D. Bonney, Glen Ridge, and James F. Maguire, South Orange, N. J., assignors to Congoleum-Nairn, Inc., a corporation of New York

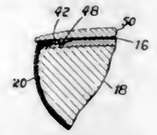
No Drawing. Application October 26, 1932, Serial No. 639,738
2 Claims. (Cl. 106—22)

1. A mouldable composition for flooring tile, comprising 20% to 35% of a binder composed of not less than two parts nor more than four parts of para-coumarone resin and one part of gelled Chinawood oil, and 65% to 80% of filler material, said filler material including asbestos fibre and pigments.

1,985,202
WELTED SHOE AND THE MANUFACTURE THEREOF

Darius W. Bunker, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 14, 1931, Serial No. 580,781
5 Claims. (Cl. 12—142)



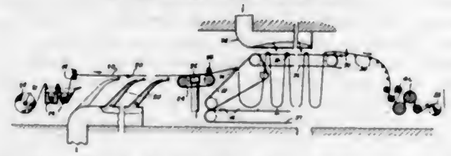
1. A shoe having a welt secured to its upper and insole by a lock-stitch seam each stitch of which has a single thread engaging the welt, and an outsole permanently cement attached to the welt and to the adjacent portion only of the shoe bottom.

5. That improvement in methods of manufacturing shoes which comprises working a shoe upper into lasted relation to a lipped insole, attaching a welt substantially $\frac{5}{16}$ of an inch wide and not more than about $\frac{1}{4}$ of an inch thick to the lasted shoe upper and to the between substance at the base of the lip of the insole by an inseam each stitch of which has a single thread at the surface of the welt and at the base of the lip on its inner side, trimming off the surplus portion of the material of the shoe parts close to the single threads of the stitches at the surface of the welt and at the base of the lip, permanently cement attaching an outsole to the welt and to the adjacent trimmed edges of the welt, the upper, the lining and the insole lip only, and edge trimming the sole close to the single threads of the stitching at the surface of the welt.

1,985,203
ANTISLIP PRODUCT AND METHOD OF MAKING THE SAME

Albert W. Charbonneau, Roslindale, Mass.

Application February 29, 1932, Serial No. 595,727
3 Claims. (Cl. 91—68)



1. A method of making a flexible antislip sheet product, consisting of saturating burlap fabric or the like with a liquid latex solution in water, quick drying the product to evaporate a substantial portion of the contained water and seal the exposed surfaces of the product while the interior thereof is relatively moist, thereafter applying a sealing coating of liquid latex to the opposite faces of the product, and drying the same to a frictional nature.

1,985,204
PRODUCTION OF ANHYDROUS AND ABSOLUTE ALCOHOLS

Ralph B. Derr, Oakmont, and Charles B. Willmore, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

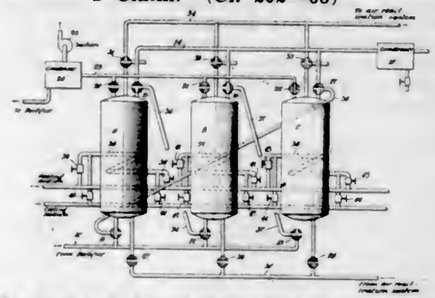
Application May 28, 1932, Serial No. 614,218
5 Claims. (Cl. 202—68)

1. Method of producing anhydrous and absolute alcohols, comprising passing ethyl alcohol vapors containing moisture through a bed of highly adsorptive alumina which has been activated by calcining at a temperature between 300° and 800° C. and which has been impregnated with a hygroscopic salt.

1,985,205
PRODUCTION OF ANHYDROUS AND ABSOLUTE ALCOHOLS

Ralph B. Derr, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 28, 1932, Serial No. 614,219
1 Claim. (Cl. 202—68)



The method of producing anhydrous and absolute alcohols, comprising adsorbing water vapor from a mixture of ethyl alcohol and water vapors by passing ethyl alcohol vapors containing moisture through a bed of highly adsorptive alumina which has been activated by calcining at a temperature between 300° and 800° C.

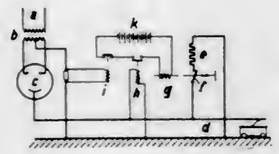
1,985,206
SYSTEM OF ELECTRICAL DISTRIBUTION

Alfredo Greco, Zurich, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application October 4, 1930, Serial No. 486,333
In Germany October 9, 1929
4 Claims. (Cl. 171—97)

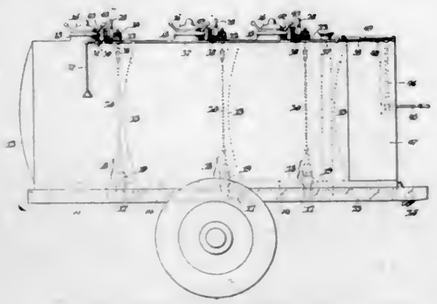
4. In an electrical braking system, the combination with a transmission line, an electric current rectifier connected with and operable to supply current therethrough to said line in one direction and being operable to prevent flow of current therethrough in another direction while connected to said line, a dynamo electric machine connectible with said line to receive current from said rectifier to operate as a motor and to be driven as a regenerative braking generator to return current to said line in said another direction, of a variable resistance connectible with said line to form a dynamic braking circuit for said machine, a relay operable to cause connection of said resistance with said line, means for

varying the effective amount of said resistance, the said relay and resistance-varying means being operable responsive to and in dependence upon voltages above the no load voltage of said rectifier impressed on said line by said machine when operating as a regenerative braking generator whereby the dynamic braking action of



said machine is controlled in dependence upon the magnitude of voltage impressed thereby on said line, and means operable responsive to and in dependence upon the flow of current in said line from said rectifier for permitting and for preventing operation of said resistance-varying means.

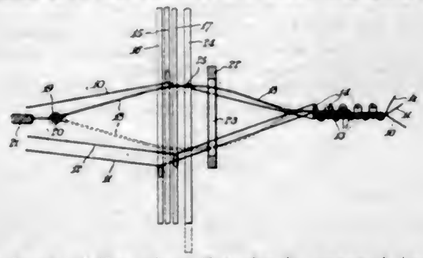
1,985,207
VALVE CONTROL MECHANISM FOR TANK VEHICLES
James A. Jensen, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a corporation of Pennsylvania
Application September 28, 1932, Serial No. 635,172
11 Claims. (Cl. 137—21)



1. In combination, a vehicle tank with a multiplicity of compartments having separate drain valves; and control mechanism comprising leverage means whereby any one or more of the drain valves can be opened exclusive of the others; and leverage means whereby said other valves can be simultaneously opened and closed independently of the operating of the first mentioned valve or valves.

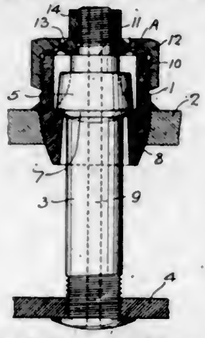
1,985,208
APPARATUS FOR WEAVING PILE FABRICS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 1, 1933, Serial No. 687,776
7 Claims. (Cl. 139—37)

1. Apparatus for weaving pile fabrics comprising the combination in a loom of flat wires which are raised and lowered as required in the formation of the weave and by means of which the pile loops of the fabric are formed, said wires extending through the warp shedding harness and through the reed parallel to the warp, and means interposed between the warp shedding harness and the reed of the loom engaging the



side faces of the wires thereby to prevent twisting of said wires.

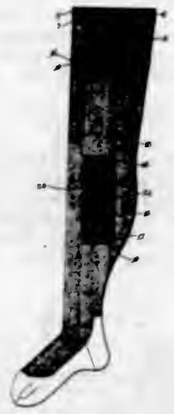
1,985,209
FLEXIBLE STAYBOLT STRUCTURE
Julius Kindervater, Richmond, Va.
Application April 10, 1933, Serial No. 665,251
1 Claim. (Cl. 85—1.5)



A boiler staybolt assemblage comprising a sleeve having a seat; a bolt having a head normally engaging said seat in flexible connection therewith; and a perforated resilient sealing diaphragm comprising an outer margin having an outer peripheral edge connected with said sleeve beyond said seat and an inner peripheral edge, an inner margin having an inner peripheral edge around the perforation secured to said head beyond the part thereof normally engaging said seat and an outer peripheral edge, said inner margin around its outer edge constituting a resilient flexible portion, flexed when said head is engaged with said seat to substantially frusto-conical ring shape energizing said diaphragm, said portion being deenergized and of relatively flat ring shape when unflexed, and a ring-shaped wall having an edge connected with the inner edge of said outer margin and extending angularly therefrom and having its opposite edge connected with the outer edge of said inner margin, said wall and flexible portion constituting a corrugation-like circular bulge when said flexible portion is flexed.

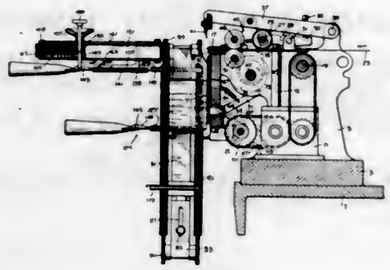
1,985,210
ORNAMENTED KNITTED FABRIC AND METHOD OF MAKING THE SAME
Max Krissiep, Wyomissing, Pa., assignor, by mesne assignments, to Berkshire Knitting Mills, West Reading, Pa., a corporation of Pennsylvania
Application December 19, 1931, Serial No. 582,078
16 Claims. (Cl. 66—172)

1. A new article of manufacture comprising a knitted fabric and a separately formed braided fabric integrally combined therewith, said braided fabric having a line of integrally braided



loops which are directly interknitted with the loops of a determined course of the knitted fabric.

1,985,211
DELIVERY MECHANISM FOR PRINTING MACHINES
Douglas M. McBean, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application August 18, 1931, Serial No. 557,783
11 Claims. (Cl. 93—93)

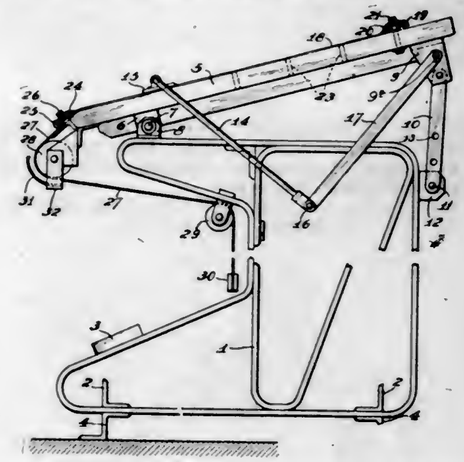


1. Delivery mechanism for a web advancing machine of character described, said mechanism comprising parallel aligned pockets designed to receive and guide labels in vertical stack arrangement, a vertically moving tray conveyor, and means thereon for detachably receiving and supporting trays, the trays having stack supporting portions adapted for location in the pockets.

1,985,212
DRAFTSMAN'S TABLE
Gerald A. O'Farrell, Oakmont, Pa.
Application October 11, 1932, Serial No. 637,262
4 Claims. (Cl. 33—80)

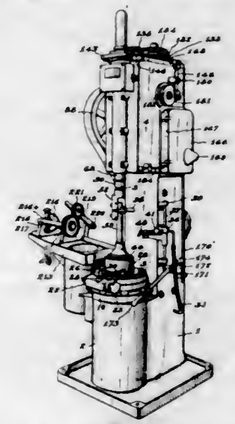
1. In combination with a table, a U-shaped member having its middle portion lying over the top of the table and its ends at the sides thereof,

links at the sides of the table pivoted to the ends of said member and to the table, and a straight



edge pivoted on said middle portion of the arm in parallelism therewith.

1,985,213
METHOD OF AND APPARATUS FOR LAPPING GEARS
Alfred C. Page, Detroit, Mich., assignor to Detroit Trust Company, Detroit, Mich., a corporation of Michigan
Application September 25, 1929, Serial No. 394,973
37 Claims. (Cl. 51—157)



37. A machine for lapping gear shaped articles comprising, a housing, a spindle mounted in the housing for axial reciprocating movements, a support axially alined with the spindle, a lap complemental to the gear shaped article to be lapped, the article and lap being gear shaped members, one with external teeth and the other of complemental form with internal teeth, one of said members being attached to the spindle and held against rotative movements with respect thereto and the other fixed to said support coaxially therewith, means for reciprocating the spindle, and adjusting and holding means for varying the relative angular positions of the spindle and support with respect to their common axis to change the positions of the teeth of the article with respect to the teeth of the lap

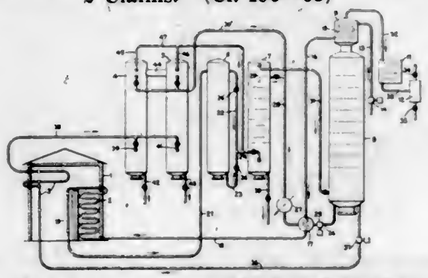
between which they are interposed and for positively preventing relative angular movements between the teeth of the article and the teeth of the lap while maintaining the adjusted intermeshing relationship during reciprocations of the spindle.

1,985,214

ART OF CONVERTING HYDROCARBON OILS

Joseph K. Roberts, Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana

Application April 29, 1933, Serial No. 668,524
2 Claims. (Cl. 196—58)



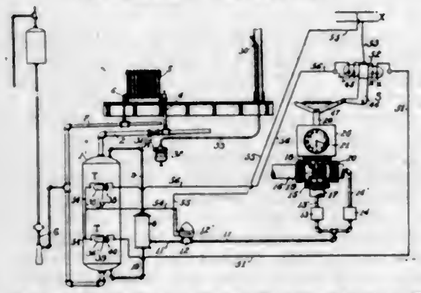
1. The process of cracking hydrocarbon oil that comprises subjecting a relatively clean cycle condensate to a cracking temperature in excess of 900° F. while being maintained under a superatmospheric pressure, subjecting a relatively dirty fresh charging stock to a cracking temperature of the order of 850° F. while being maintained under superatmospheric pressure, directing said highly heated condensate to an enlarged reaction chamber maintained at cracking temperature and under superatmospheric pressure, directing said heated fresh charging stock to a separate enlarged chamber maintained at cracking temperature and under superatmospheric pressure, withdrawing liquid from said first reaction chamber to prevent the accumulation of liquid therein, passing vaporous constituents separated in both of said reaction chambers into another chamber, withdrawing liquid from said second chamber and introducing it into said last mentioned chamber, and fractionating the resulting vaporous constituents to form the aforementioned clean condensate.

1,985,215

APPARATUS FOR HEATING FLUID

Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 31, 1930, Serial No. 440,599
8 Claims. (Cl. 237—2)



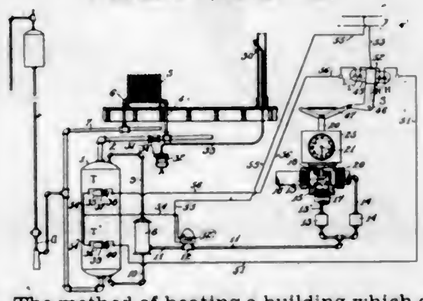
1. In combination, a tank for containing fluid, a heating element for such fluid, a power line, a low-cost-rate meter, a high-cost-rate meter, means for selectively connecting said power line to said meters, means responsive to temperature conditions in said tank for controlling flow from said low-cost-rate meter to said heating element, said means being actuable at predetermined high limiting temperatures, and means responsive to temperature conditions in said tank for controlling flow from said high-cost-rate meter to said heating element, said last-named means being actuable at predetermined low limiting temperatures.

1,985,216

METHOD OF HEATING FLUID

Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 17, 1931, Serial No. 557,600
7 Claims. (Cl. 237—12)



1. The method of heating a building which consists in storing heat by bringing a fluid mass to a predetermined temperature during periods of low-priced heat supply, and releasing such heat during periods of high-priced heat supply, while maintaining the temperature of such fluid above a predetermined minimum lower than said first-mentioned predetermined temperature.

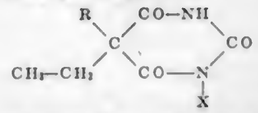
1,985,217

SECONDARY-HEXYL ETHYL BARBITURIC ACID, AND ITS SALTS

Horace A. Shonle, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application February 18, 1932, Serial No. 593,871
7 Claims. (Cl. 260—33)

1. A barbituric compound which is represented by the following formula:



in which R represents a secondary-hexyl radical of the class consisting of the n-butyl-methyl-carbinyl and n-propyl-ethyl-carbinyl groups; and X represents either hydrogen, an alkali metal, ammonium, or a mono- or di-alkyl-substituted ammonium.

1,985,218

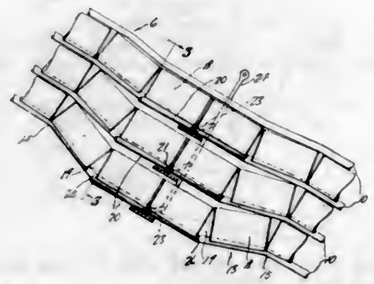
CAN BOXING MACHINE

Jhon H. Stock, Shullsburg, Wis., and James A. Miller, Hampton, Iowa

Application April 1, 1933, Serial No. 663,924
1 Claim. (Cl. 193—40)

In an apparatus of the kind described, an inclined gang of can chutes arranged for receiving at the upper end and delivering by gravity at the lower end trains of cans fed end-wise thereinto,

a cross-sectional portion of the gang adjacent the lower end thereof being depressed in offset relation, for causing the several trains of cans to break open at their lower margins in passing



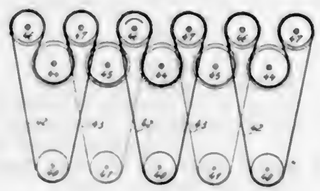
over said depressed portion, and means co-operating with said breaks in the trains of cans for blocking off regularly predetermined quantities of the cans for delivery at the lower end of the gang.

1,985,219

DRYING APPARATUS

Ernest Bleibler, Winterthur, Switzerland, assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application April 29, 1930, Serial No. 448,337
In Germany May 2, 1929
3 Claims. (Cl. 34—48)



1. In a drying apparatus for drying films, strips and the like of cellulose, more particularly of regenerated cellulose, the combination of a train of drying rollers adapted to support the film alternately on one side and on the other side of the latter and immediately on the surfaces of the drying rollers, said train of rollers comprising two tiers of rollers one above the other, and in addition, being subdivided into groups, each group comprising an odd number of rollers of one tier and an even number of rollers of the second tier lying between the rollers of the first tier, an end roller of one group being common to an adjacent group and each group being individually power-driven.

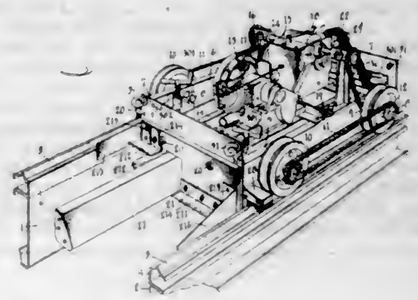
1,985,220

MACHINE FOR MAKING CURBS AND GUTTERS

Edward S. Clark and Harold L. Andrus, Kalamazoo, Mich.

Application September 14, 1931, Serial No. 562,630
10 Claims. (Cl. 94—39)

1. In a machine of the class described, the combination of suitable tracks or ways, a carriage having supporting driven grooved wheels to advance the same, an adjustable trowel member suspended beneath the said carriage and adjustable at each corner, a curb face rail disposed longitudinally in front of said carriage, a guard carried by said rail extending beneath the tamper shoe, parallel shafts having eccentrics at their



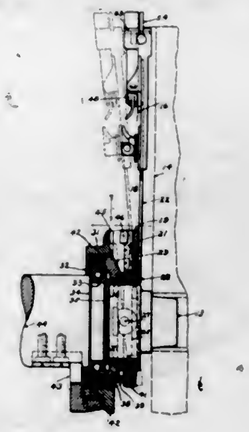
ends, striker plates supported by said eccentrics having forwardly projecting tamper shoe parts at the bottom and having flexible forwardly projecting guard plates at each side, and a motor for driving the said parts having gear connections to actuate the said striker plate and drive said carrier wheels independently.

1,985,221

WEB SUPPLY MECHANISM FOR PRINTING MACHINES

Hermann Hezel, New York, N. Y., assignor to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

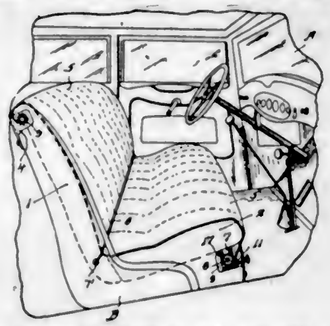
Application July 5, 1933, Serial No. 679,028
15 Claims. (Cl. 242—58)



15. In a web roll support, means rotatable with the roll and adapted to confine the free end of the web to the body of the roll and to release said free end, and a member effective to lock the said means against rotation when the free end is released.

1,985,222
PROTECTIVE COVERING FOR AUTOMOBILE SEATS
James W. Menhall, Edgerton, Wis.
Application December 1, 1933, Serial No. 700,604
2 Claims. (Cl. 155—182)

1. In protective covering means for the seats of automobiles, railroad cars or the like, in combination, a seat structure comprising a back having a back cushion and a seat having a seat cushion, a housing mounted within the upper rear portion of the back, a supply roll of covering material within said housing and adapted to pass from the same over and down the back cushion and over the seat cushion, guide means between said cushion and the seat cushion hingedly mounted to said seat structure, and appliances at the lower front portion of the seat carrying the seat cushion for holding the said protective covering from displacement, said appliances including a feed roll extending over the entire width of the seat structure, and manual means for turning said roll to pull a fresh section of the protective



covering from the supply roll for use over the seat and back cushions.

DESIGNS

DECEMBER 18, 1934

94,064
DESIGN FOR A SHOE
Bertha Arkin, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 27, 1934, Serial No. 53,787
Term of patent 3½ years



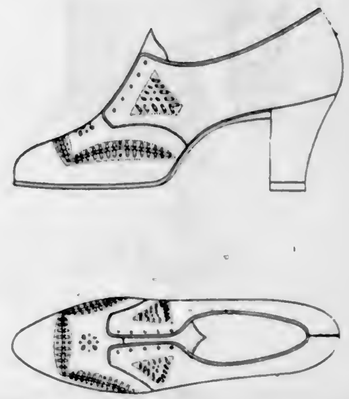
The ornamental design for a shoe substantially as shown.

94,065
DESIGN FOR A SHOE
Bertha Arkin, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 27, 1934, Serial No. 53,788
Term of patent 3½ years



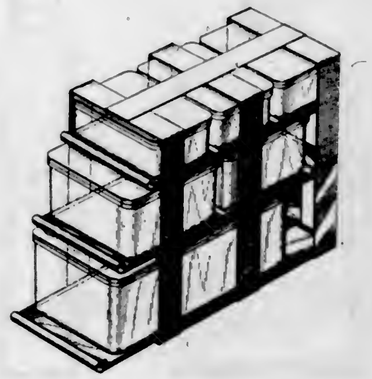
The ornamental design for a shoe substantially as shown.

94,066
DESIGN FOR A SHOE
Albert F. Bancroft, Newton, Mass., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 25, 1934, Serial No. 53,751
Term of patent 3½ years



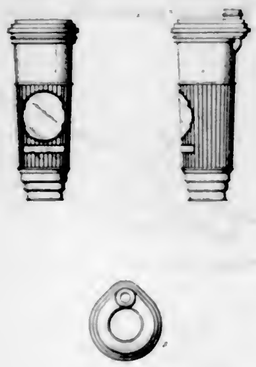
The ornamental design for a shoe substantially as shown.

94,067
DESIGN FOR A FOOD CONTAINER OR SIMILAR DEVICE
Charles C. Beam, Pittsburgh, Pa.
Application November 30, 1932, Serial No. 46,203
Term of patent 7 years



The ornamental design for a food container or similar device substantially as shown and described.

94,068
DESIGN FOR AN ELECTRIC HEATER FOR HAIR WAVING
Harry Bonat, New York, N. Y., assignor to Samuel Bonat and Harry Bonat, doing business as Samuel Bonat & Bro., New York, N. Y.
Application October 23, 1934, Serial No. 53,726
Term of patent 7 years



The ornamental design for an electric heater for hair waving as shown.

94,069
DESIGN FOR A BOTTLE
George M. Brenner, Chicago, Ill.
Application September 19, 1934, Serial No. 53,331
Term of patent 7 years



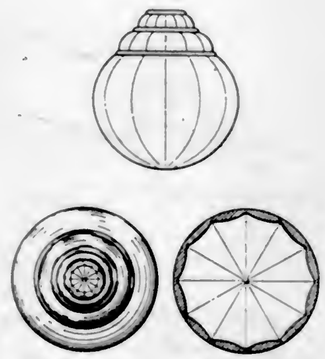
The ornamental design for a bottle, as shown.

94,070
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Albert M. Bressler, New York, N. Y.
Application October 29, 1934, Serial No. 53,802
Term of patent 3½ years



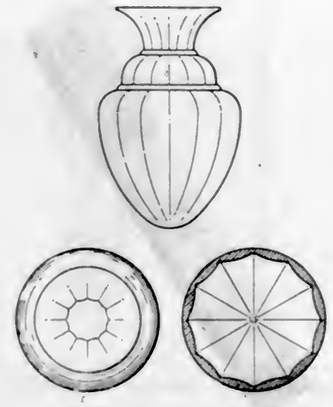
The ornamental design for a shoe or similar article substantially as shown.

94,071
DESIGN FOR A FLOWER HOLDER
Samuel Cantor, Brooklyn, N. Y.
Application June 5, 1934, Serial No. 52,063
Term of patent 7 years



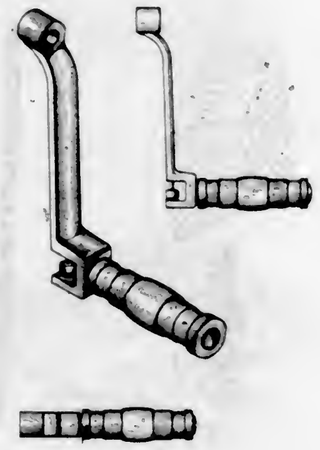
The ornamental design for a flower holder as shown and described.

94,072
DESIGN FOR A FLOWER HOLDER
Samuel Cantor, Brooklyn, N. Y.
Application June 5, 1934, Serial No. 52,064
Term of patent 7 years



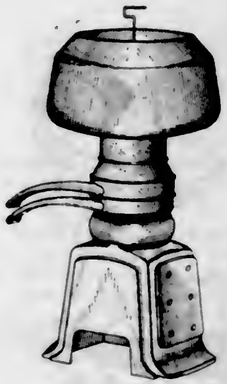
The ornamental design for a flower holder as shown and described.

94,073
DESIGN FOR A CRANK
Fredrick David Chapman, Evanston, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application October 13, 1934, Serial No. 53,611
Term of patent 7 years



The ornamental design for a crank, as shown.

94,074
DESIGN FOR A CREAM SEPARATOR
Fredrick David Chapman, Evanston, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application October 13, 1934, Serial No. 53,610
Term of patent 7 years



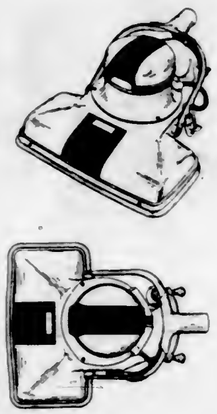
The ornamental design for a cream separator, as shown.

94,075
DESIGN FOR A SHOE
Alice Cohan, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 31, 1934, Serial No. 53,835
Term of patent 3½ years



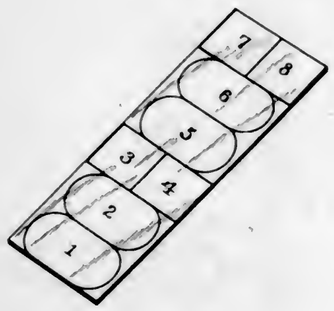
The ornamental design for a shoe, substantially as shown.

94,076
DESIGN FOR A CASING FOR A SUCTION CLEANER OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 24, 1934, Serial No. 53,734
Term of patent 14 years



The ornamental design for a casing for a suction cleaner or similar article, as shown.

94,077
DESIGN FOR A HOP SCOTCH GAME DEVICE
Muriel B. Eddy, Green Bay, Wis.
Application June 29, 1934, Serial No. 52,382
Term of patent 7 years



The ornamental design for a hop scotch game device, as shown.

94,078
DESIGN FOR AN EDUCATIONAL RULE
Reinhold V. Erk, Waynesville, N. C.
Application July 21, 1934, Serial No. 52,665
Term of patent 14 years



The ornamental design for an educational rule, as shown.

94,079
DESIGN FOR A SHOE SOLE
Fred D. Fowler, Newton, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application October 18, 1934, Serial No. 53,667
Term of patent 14 years



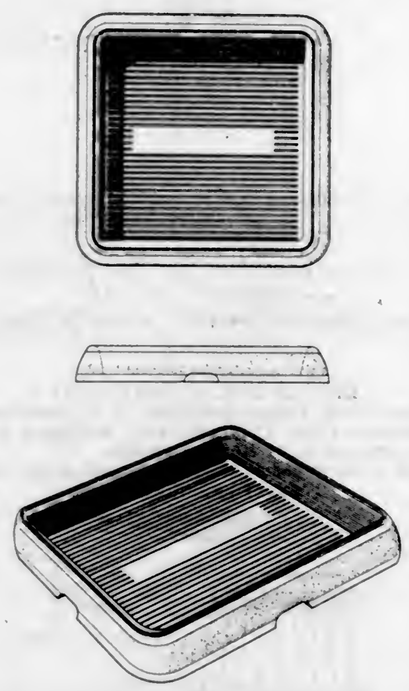
The ornamental design for a shoe sole as shown.

94,080
DESIGN FOR A SHOE SOLE
Fred D. Fowler, Newton, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application October 18, 1934, Serial No. 53,668
Term of patent 14 years



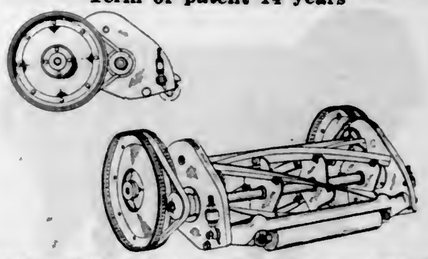
The ornamental design for a shoe sole as shown.

94,081
DESIGN FOR A FOOTBATH TRAY
Theodore E. Fullmer, Oakland, Calif., assignor to Clorox Chemical Co., Oakland, Calif., a corporation of Delaware
Application November 27, 1933, Serial No. 49,878
Term of patent 14 years



The ornamental design for a footbath tray, as shown.

94,082
DESIGN FOR A LAWN MOWER
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man", Inc., Jackson, Mich., a corporation of Michigan
Application December 11, 1933, Serial No. 50,039
Term of patent 14 years



The ornamental design for a lawn mower substantially as shown.

94,083
DESIGN FOR A DRESS
Harry J. Greenman, New York, N. Y.
Application November 2, 1934, Serial No. 53,857
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

94,084
DESIGN FOR A HIGH SCHOOL BADGE OR SIMILAR ARTICLE
Henry E. Hein, New York, N. Y.
Application May 9, 1934, Serial No. 51,725
Term of patent 14 years



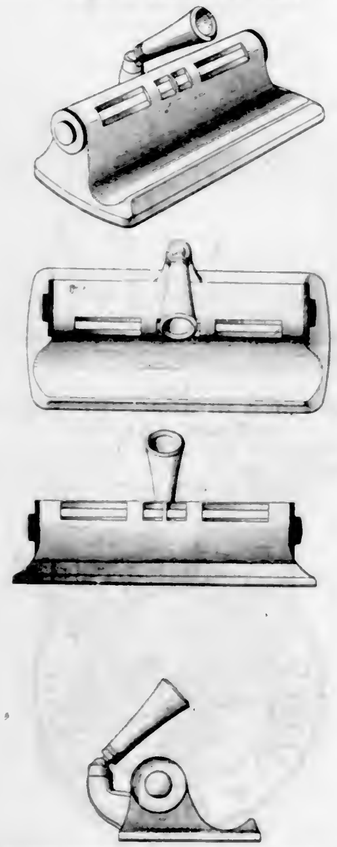
The ornamental design for a high school badge or similar article as shown.

94,085
DESIGN FOR AN ADVERTISING CARD
Arthur P. Izard, Chicago, Ill., assignor to National Tailoring Company, Chicago, Ill.
Application October 8, 1934, Serial No. 53,515
Term of patent 14 years



The ornamental design for an advertising card as shown and described.

94,086
DESIGN FOR A COMBINED CALENDAR AND PENHOLDER
Henry Janssen, Wyomissing, Pa.
Application October 18, 1934, Serial No. 53,665
Term of patent 14 years



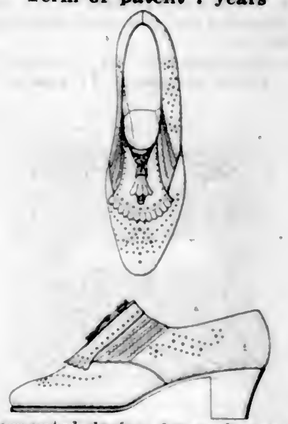
The ornamental design for a combined calendar and penholder as shown.

94,087
DESIGN FOR A CLASP LOOP FOR GARTERS OR THE LIKE
Floyd A. Knoll, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application August 4, 1934, Serial No. 52,816
Term of patent 14 years



The ornamental design for a clasp loop for garters or the like, substantially as shown and described.

94,088
DESIGN FOR A SHOE
Clement H. Kreider, Harrisburg, Pa., assignor to The A. S. Kreider Shoe Co., Annville, Pa., a corporation of Pennsylvania
Application October 4, 1934, Serial No. 53,483
Term of patent 7 years



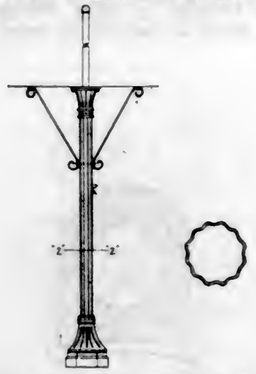
The ornamental design for a shoe as shown.

94,089
DESIGN FOR A CHAIR SEAT
Walter Clyde Lucas, Asheboro, N. C., assignor to National Chair Company, Inc., Asheboro, N. C., a corporation of North Carolina
Application September 12, 1934, Serial No. 53,268
Term of patent 14 years



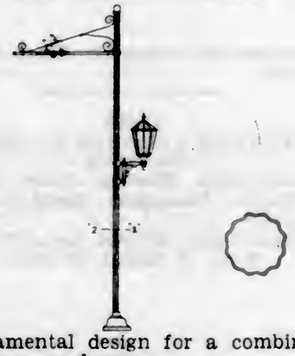
The ornamental design for a chair seat as shown.

94,090
DESIGN FOR A SIGN SUPPORT
Milton K. Markman, Crystal Lake, Ill.
Application December 14, 1933, Serial No. 50,074
Term of patent 14 years



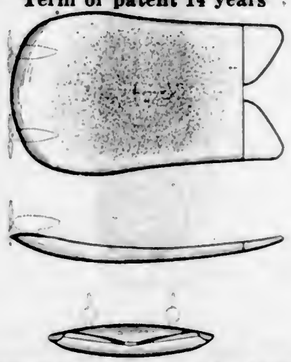
The ornamental design for a sign support, as shown.

94,091
DESIGN FOR A COMBINED SIGN POST AND LAMP
Milton K. Markman, Crystal Lake, Ill.
Application December 14, 1933, Serial No. 50,075
Term of patent 14 years



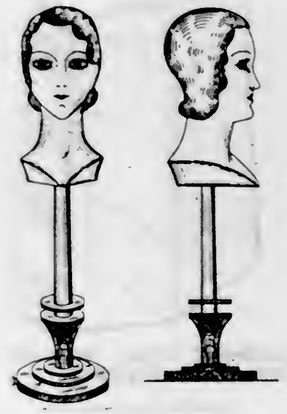
The ornamental design for a combined sign post and lamp, as shown.

94,092
DESIGN FOR AN AIRPLANE WING STRUCTURE MODEL
Raymond N. Massie, Chicago, Ill.
Application May 12, 1934, Serial No. 51,756
Term of patent 14 years



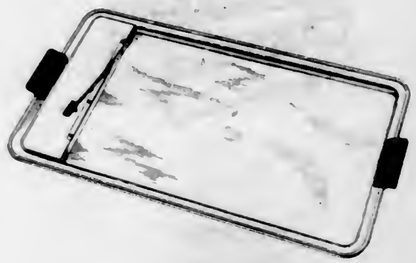
The ornamental design for an airplane wing structure model as shown in full lines.

94,093
DESIGN FOR AN ELECTRIC DISPLAY FIXTURE
Edwin Maxwell, New York, and Jack Kaplan, Brooklyn, N. Y.
Application October 6, 1934, Serial No. 53,506
Term of patent 3½ years



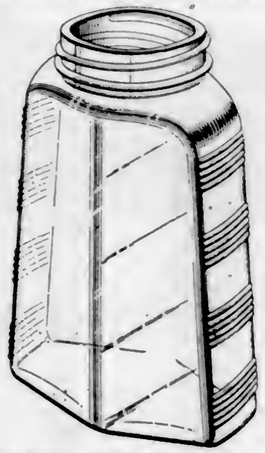
The ornamental design for an electric display fixture, as shown.

94,094
DESIGN FOR A COMBINED TRAY, BREAD KNIFE, AND HOLDER
James Stanley Ness, Chicago, Ill., assignor to Waters-Genter Company, Minneapolis, Minn., a corporation of Minnesota
Application June 4, 1934, Serial No. 52,058
Term of patent 3½ years



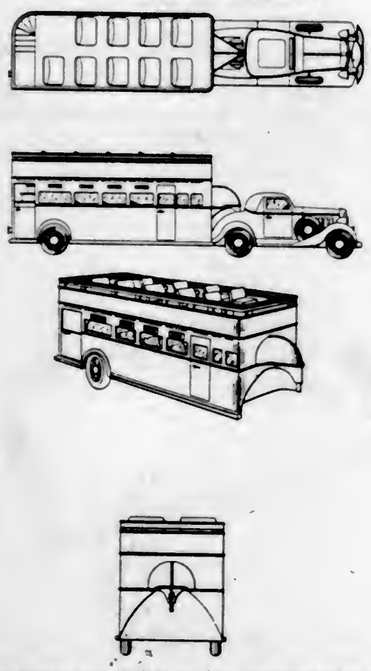
The ornamental design for a combined tray, bread knife, and holder as shown.

94,095
DESIGN FOR A JAR OR SIMILAR ARTICLE
Theodore J. Piazzoli, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a corporation of Delaware
Application September 7, 1934, Serial No. 53,220
Term of patent 14 years



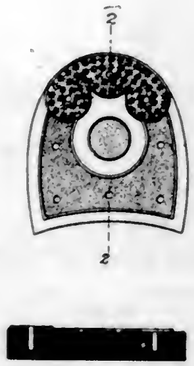
The ornamental design for a jar or similar article, substantially as shown.

94,096
DESIGN FOR COMBINATION TRACTOR AND TRAILER
Harold H. Robinson, Coral Gables, Fla., assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla., a corporation of Florida
Application March 16, 1934, Serial No. 51,080
Term of patent 14 years



The ornamental design for combination tractor and trailer as shown.

94,097
DESIGN FOR A HEEL
William J. Schacht, Miami Beach, Fla., assignor to Schacht Rubber Mfg. Co., Huntington, Ind., a corporation of Indiana
Application October 1, 1934, Serial No. 53,451
Term of patent 14 years



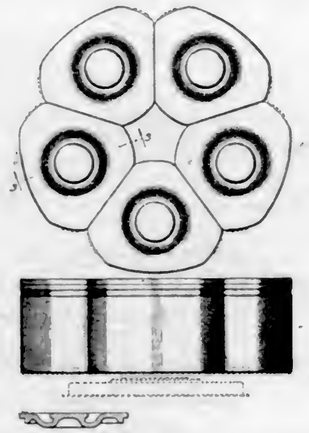
The ornamental design for a heel, substantially as shown.

94,098
DESIGN FOR A SHAKER OR SIMILAR ARTICLE
Emil A. Schuelke, Meriden, Conn., assignor to The Napier Company, Meriden, Conn., a corporation
Application July 18, 1934, Serial No. 52,627
Term of patent 14 years



The ornamental design for a shaker or similar article as shown.

94,099
DESIGN FOR A FOOD CONTAINER UNIT
Lewis H. Scurlock, Chicago, Ill.
Application March 2, 1934, Serial No. 50,920
Term of patent 14 years



The ornamental design for a food container unit, as shown and described.

94,100
DESIGN FOR A TUMBLER
Ray D. Spear, San Leandro, Calif., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application July 16, 1934, Serial No. 52,605
Term of patent 14 years



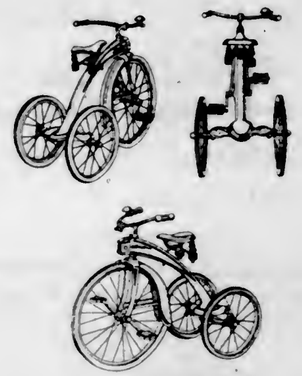
The ornamental design for a tumbler, as shown and described.

94,101
DESIGN FOR A BOTTLE
James E. Spence, Wheeling, W. Va., assignor, by mesne assignments, to Mark W. Allen & Company, Detroit, Mich.
Application July 3, 1934, Serial No. 52,450
Term of patent 14 years



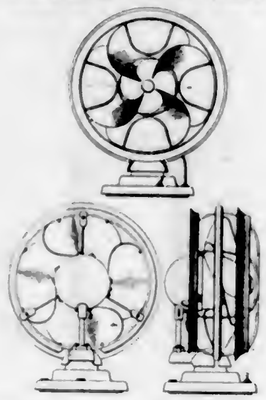
The ornamental design for a bottle, as shown.

94,102
DESIGN FOR A VELOCIPEDE
Harold L. van Doren, Toledo, and John G. Rideout, Perrysburg, Ohio, assignors to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application October 22, 1934, Serial No. 53,723
Term of patent 7 years



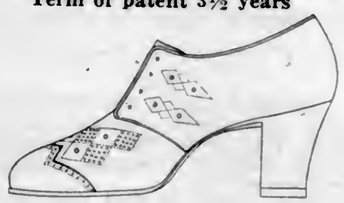
The ornamental design for a velocipede substantially as shown.

94,103
DESIGN FOR A CIRCULATING FAN
Victor Weber, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application October 18, 1934, Serial No. 53,664
Term of patent 14 years



The ornamental design for a circulating fan as shown.

94,104
DESIGN FOR A SHOE
Willy Weidner, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 27, 1934, Serial No. 53,785
Term of patent 3½ years



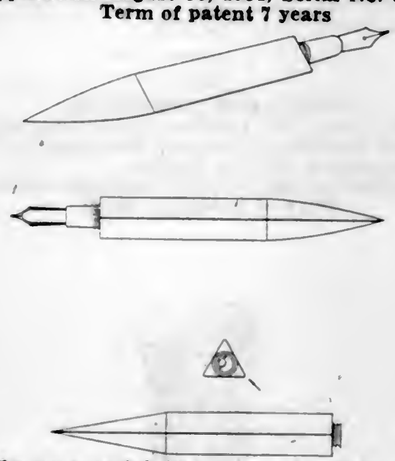
The ornamental design for a shoe substantially as shown.

94,105
DESIGN FOR A SHOE
Willy Weidner, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application October 27, 1934, Serial No. 53,786
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

94,106
DESIGN FOR A FOUNTAIN PEN
Leslie F. Wooldridge, Vancouver, British Columbia, Canada
Application August 30, 1934, Serial No. 53,121
Term of patent 7 years



The ornamental design for a fountain pen, as shown and described.

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Patents Nos. 1,985,223 to 1,985,877

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OF THE
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PATENTS GRANTED	796
DESIGNS	940

December 25, 1934

Trade-Marks	155—No.	320,286 to No.	320,440, inclusive.
T. M. Renewals	61		
Labels	26—No.	44,830 to No.	44,855, inclusive.
Reissues	4—No.	19,405 to No.	19,408, inclusive.
Patents	655—No.	1,985,223 to No.	1,985,877, inclusive.
Designs	72—No.	94,107 to No.	94,178, inclusive.
Total	973		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, Dec. 10, 1934.*

Louis Berger, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Co., 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Louis Berger, 648 Broadway, New York, N. Y., No. 174,131, dated October 2, 1923, and the notice of such proceeding sent by registered mail to the said Louis Berger at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Louis Berger, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Dec. 10, 1934.*

Mark M. Konski, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Co., 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Mark M. Konski, 515–517 Broadway, New York, N. Y., No. 144,322, dated June 28, 1921, and the notice of such proceeding sent by registered mail to the said Mark M. Konski at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mark M. Konski, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Dec. 10, 1934.*

Zelenko & Moskowitz, their assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Co., 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Zelenko & Moskowitz, Broadway and 37th Street, New York, N. Y., No. 125,117, dated April 8, 1919, and the notice of such proceeding sent by registered mail to the said Zelenko & Moskowitz at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Zelenko & Moskowitz, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Dec. 10, 1934.*

Zelenko & Moskowitz, their assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by The Manhattan Shirt Co., 444 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Zelenko & Moskowitz, 1372 Broadway, New York, N. Y., No. 128,911, dated January 13, 1920, and the notice of such proceeding sent by registered mail to the said Zelenko & Moskowitz at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Zelenko & Moskowitz, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,792,275, G. W. Carpenter, Circuits for electron discharge devices, decided November 8, 1934, claim 14.

Pat. 1,855,054, J. K. Johnson, High-frequency coupling system, decided October 13, 1934, claims 4 and 5.

Pat. 1,903,475, C. J. Rhodes, Press for drawing sheet metal, decided December 4, 1934, claims 1, 4, 5, 8, 11, and 12.

Condition of Applications Under Examination at Close of Business December 8, 1934

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,382; Trade-Mark Division, 1,080. Oldest new case, July 13, 1934; oldest amended, July 10, 1934.

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 8	Oct. 1	351
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Velocipedes; Butchering; Bee Culture.	Sept. 24	Sept. 24	497
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 11	Sept. 12	633
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch.	Aug. 3	Aug. 18	418
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Sept. 11	Sept. 13	465
4808 C	6. LEWERS, A. M., Carbon Chemistry	Aug. 23	Aug. 28	953
5725	7. JARBOE, C. G., Optics; Photography	Sept. 8	Sept. 8	750
3887	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Sept. 24	Oct. 3	301
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 8	Oct. 8	376
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Sept. 10	Sept. 18	398
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 10	Aug. 9	575
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Aug. 11	Aug. 11	557
5006	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 17	Sept. 17	362
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 30	Sept. 4	444
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 12	Sept. 12	733
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 8	Sept. 8	510
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 20	Aug. 18	715
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 4	Oct. 5	301
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 13	Sept. 12	573
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking.	Sept. 28	Oct. 3	223
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 8	Sept. 8	536
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Coating Implements.	Aug. 22	Aug. 24	868
7892	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 13	July 10	496
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 18	Sept. 21	562
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 31	Sept. 4	624
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 1	Oct. 3	270
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Sept. 8	Sept. 8	495
4628	28. BENSON, A. R., Internal-Combustion Engines	Sept. 8	Aug. 31	504
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles.	Sept. 8	Sept. 8	545
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 10	Sept. 8	587
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Aug. 27	Aug. 21	375
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Sept. 22	Oct. 1	333
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs	Aug. 17	Aug. 10	722
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles, Railways, Rolling Stock, Switches, and Signals; Track Sanders; Fluid-Pressure Brakes.	July 14	July 17	655
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Sept. 7	Sept. 7	642
7624	36. McFAYDEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Aug. 20	Aug. 13	484
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Aug. 16	Aug. 9	611
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Cement and Lime; Roads and Pavements; Plastic Compositions.	Sept. 1	Sept. 7	427
4874	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 8	Sept. 8	559
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 1	Sept. 1	812
6082	41. WHITNEY, M. L., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 12	Sept. 10	527
5882	42. CUTTING, H. O., Electric Signaling	Aug. 15	Aug. 10	713
4886 B	43. KLINGE, E. F., Medicines; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	Aug. 10	Aug. 10	679
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Aug. 8	Aug. 8	824
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Sept. 24	Sept. 24	388
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems	Sept. 20	Sept. 20	351
7600	47. BARKER, H., Clutches; Brakes	Sept. 13	Sept. 13	688
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 18	Aug. 20	527
7725	49. SHEFFIELD, F. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 10	Aug. 13	626
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Aug. 9	Aug. 9	813
5628	51. BACKUS, C. D., Radiant Energy	Sept. 22	Sept. 22	631
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings.	Sept. 10	Sept. 13	605
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 24	Sept. 20	445
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Aug. 27	Aug. 27	638
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery; Disinfecting Apparatus	Oct. 11	Oct. 13	341
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	Aug. 10	Aug. 10	756
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Oct. 4	Oct. 2	264
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 19	Sept. 21	302
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Aug. 8	Aug. 8	636
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 4	Sept. 4	527
6724	61. PARKS, G. E., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Aug. 13	Aug. 2	299
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Sept. 10	Sept. 15	565
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Aug. 25	Aug. 28	521
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue Liquid Coating Compositions; Fuel; Alcohol.	Sept. 8	Sept. 8	882
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 1	Sept. 1	492
2090 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND. {Trade-Marks	Nov. 10	Nov. 26	868
	{Labels and Prints	Nov. 14	Nov. 24	212
2605	Designs, H. H. KALUPY (Act.)	Nov. 2	Nov. 17	510

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE CARBY

Decided July 18, 1934

APPEALS—FEE.

Where, after the termination of an interference, appeal is taken by one of the parties thereto from the rejection of claims, *Held* that the payment by the applicant of the fee for an appeal from an interlocutory decision in the interference does not relieve him from the payment of the fee on the ex parte appeal.

ON PETITION.

Messrs. Gillson, Mann & Cox for applicant.

SPENCER, *First Assistant Commissioner.*

Applicant petitions that the fee paid in connection with the ex parte appeal recently taken be refunded.

The claims involved in that appeal are the same as those presented to the Board of Appeals when the case was before that tribunal on appeal from the denial of petitioner's motion to amend the issue of an interference in which this application was involved.

Section 4909, Revised Statutes (U. S. C. title 35, sec. 57), provides that every applicant for patent whose claims have been twice rejected, and every party to an interference, may appeal from the decision of the Primary Examiner, or of the Examiner of Interferences "having once paid the fee for such appeal." Under this statute it has always been held that a second ex parte appeal in an application does not require a fee, even though the claims involved in the second appeal are different from those of the first appeal.

It is not deemed, however, that the statute is applicable where the first appeal was taken in an interference even though that appeal was from the denial of a motion (see *Ex parte Sachs*, 155 Ms. Dec. 617).

Section 4934, Revised Statutes (U. S. C. title 35, sec. 78), provides different fees for the two appeals. It is not seen how it could be held that a fee of $25 was not necessary on an interlocutory appeal in an interference merely because appellant had appealed ex parte and paid the required fee of $15 for such appeal, before the interference was declared. If the fee cannot be dispensed with in such a case no reason is seen why it could be dispensed with where the first appeal was in an interference.

It may be noted that the claims here involved were not the claims of the motion under rule 109 which was before the Board of Appeals on appeal from its denial by the Examiner of Interferences, but were presented in connection with a motion for rehearing brought in view of the holding of the Board of Appeals on its own motion that the issue of the interference was not patentable.

The petition is denied.

Commissioner's Decision

SPRAGUE, WARNER & COMPANY *v.* CHRISTIE & HOOVER

Decided August 23, 1934

1. TRADE-MARKS—SIMILARITY—"RICHELIEU" ASSOCIATED WITH A PICTURE AND "RICHELIEU."

The name "Richelieu" appearing diagonally across a dark rectangular background and associated with a picture of Cardinal Richelieu *Held* confusingly similar to the name "Richelieu" alone as applied to goods of the same descriptive properties.

2. SAME—SAME DESCRIPTIVE PROPERTIES—TEST.

In determining whether goods are of the same descriptive properties the test is not whether a person intending to buy the goods of the one party would be willing to accept goods of the other party but whether the goods are such that an ordinary purchaser would conclude that they emanated from a single source.

3. SAME—SAME—MALT BEVERAGES AND GINGER ALE AND SOFT DRINKS.

Malt beverages without more than the legal alcoholic content *Held* to be goods of the same descriptive properties as ginger ale and other soft drinks.

APPEAL from Examiner of Interferences.

Opposition No. 12,930 to registration of trade-mark of Christie & Hoover for Malt Beverages, etc.; application filed March 28, 1933, Serial No. 336,153, published May 16, 1933.

Mason, Fenwick & Lawrence for Sprague, Warner & Company.

Charles B. McInnis for Christie & Hoover.

SPENCER, *First Assistant Commissioner:*

This case comes on for review from a decision of the Examiner of Trade-Mark Interferences in an opposition proceeding in which neither party filed testimony.

[1] The opposer, Sprague, Warner & Company, owner of trade-mark registration No. 55,882, registered August 21, 1906, for the word "Richelieu" applied to ginger-ale and other soft drinks, alleges that it has constantly used that mark in its business over a long period of time and accordingly opposes the registration by the applicant of the word "Richelieu" running diagonally across a dark rectangular background with an associated picture of Cardinal Richelieu, for use upon malt beverages without more than the legal alcoholic content. The Examiner of Trade-Mark Interferences held the marks confusingly similar and the goods of the same descriptive properties. With both of these conclusions I agree.

The applicant insists that even the ordinary purchaser could not very well avoid noticing the difference between the two marks even upon the most casual examination. In this connection it is pointed out that the applicant refers not so much to the trade-marks involved as to the labels or specimens upon which the trade-marks of the respective marks are set forth. The applicant further contends that the inclusion in its notation of the pictorial representation of Cardinal Richelieu serves, under the authority of such cases as *ex parte Hygeia Nursing*

Bottle Company, Inc., 17 U. S. Pat. Quarterly 11, 159 Ms. D. 35, to distinguish its mark from the opposer's notation which comprises merely the word "Richelieu" without the accompanying picture. I am unable to agree with this contention since, in my opinion, the presence of both the name and the picture serves to emphasize the points of similarity rather than to minimize them. Employing not only the word "Richelieu" but also a picture of Cardinal Richelieu increases, in my mind, the opportunities for confusion.

[2, 3] The applicant further contends that the goods are not of the same descriptive properties and in support of this assertion states that a person intending to buy a bottle of the opposer's goods such, for instance, as celery phosphate would be unwilling to accept a bottle of the applicant's goods, namely, beer, instead. This however is not the proper test. At one time the existence of physical similarities between the goods of the respective parties was insisted upon by the courts but today it is sufficient if the ordinary purchaser would conclude that the goods of both parties emanate from a single source. This is the type of confusion which the statute aims to prevent and when this test is applied to the goods here involved it must be concluded that they are of the same descriptive properties. Both are beverages and are accordingly goods of the same class. *Cheek-Neal Coffee Co.* v. *Hal Dick Mfg. Co.*, 40 F.(2d) 106, 17 C. C. P. A. (Pat.) 1103; 395 O. G. 10; 1930 C. D. 251.

It is concluded that the notice of opposition must be sustained and it is therefore adjudged that the applicant is not entitled to the registration which it seeks.

The decision of the Examiner of Trade-Mark Interferences is accordingly affirmed.

Decision of the Board of Appeals

EX PARTE NORTHUP

Decided November 25, 1932

DESIGNS—FORWARD CORNER OF AUTOMOBILE BODY—INCOMPLETE DISCLOSURE.

A claim to an ornamental design for a forward corner of an automobile body *Held* properly refused where the application does not disclose the complete automobile body, since such front corner is never manufactured and sold as a separate article of manufacture, in considering a design the appearance of the entire article must be taken into consideration and it is apparent that the rounded forward corner might have a materially different effect when incorporated in one old configuration of body from what it would have when incorporated in another old configuration of body.

Application for design patent for Forward Corner of an Automobile Body.

Messrs, Harness, Dickey, Pierce & Hann for applicant.

Before MOORE, Assistant Commissioner, and LANDERS and REDROW, Examiners in Chief.

LANDERS, *Examiner in Chief:*

This is an appeal from the action of the Examiner finally rejecting the following claim:

In an automobile body, the ornamental design for a forward corner substantially as described and shown.

The claim is drawn to an ornamental design for a forward corner of an automobile body. It has been rejected on the ground that it fails to cover a complete article of manufacture.

Applicant has submitted an additional sheet of drawings in which a complete body is shown. The Examiner holds this illustration as constituting new matter since it could not have been reasonably anticipated from the original disclosure of the front corner per se what the appearance of a complete body having such corners would be.

The additional illustration is of a body similar to that shown in applicant's copending application, Serial No. 42,895, and the instant application has been amended to state that it is a division of said copending application. The claim to the complete body in the copending application has been found to be allowable in substance.*

The Examiner on the question of division points out that the doctrine of genus and species does not exist in design patents. In this connection he calls attention to the decisions in *Ex parte Schraubstadter* 1904 C. D. 229 and *Ex parte Burdick* 1901 C. D. 184.

The front corner of the automobile body is never manufactured and sold as a separate article of manufacture. In considering a design the appearance of the entire article must be taken into consideration. Applicant urges that he is here attempting to claim that portion of the article which he has modified and that the body except for the modified front corner may be of any conventional shape. It is apparent, however, that the rounded front corner of the application might have a materially different effect when incorporated in one old configuration of body from what it would have when incorporated in another old configuration of body. This is also true even though both configurations belong to the same general type as, for instance, a sedan. The rounded front corner when taken in connection with a rounded rear corner as shown in the added view of Fig. 4 may well have a more pronounced effect than it would have if incorporated in a sedan body of the old square cornered type. In other words, in the complete design the configuration of the rounded corner to a greater or less extent blends and harmonizes with the configurations of the other portions of the body. Therefore, applicant does not have the same design when his front corner is incorporated in a body of one configuration as when it is incorporated in a body of another configuration.

In the case of *Ex parte Adams* 1898 O. G. 109 the principle was set forth that a claim in a design patent covers all and nothing more than what is disclosed in the drawing. The appealed claim, therefore, is not for the design shown in the added Fig. 4 but is still directed to the forward corner of the body per se. The original disclosure is incomplete since it does not portray the appearance the article would have with the rounded corner forming a part thereof.

Each of the holdings of the Examiner is deemed sound.

The decision of the Examiner is affirmed.

Affirmed.

*That application has resulted in Design Patent No. 89,448, of March 14, 1933.

U. S. Circuit Court of Appeals—Seventh Circuit

SMITH ENGINEERING WORKS *v.* NORDBERG MFG. CO.

No. 4,964. Decided January 9, 1934

[68 F.(2d) 492]

1. PATENTABILITY—GYRATORY CONE CRUSHER.
   Patent No. 1,537,564, claims 2 and 7, for gyratory cone crusher, *held* valid and infringed.
2. PATENTS—PROCESS.
   A "process" in patent law is an act or series of acts performed upon subject-matter to be transformed, and an "act" is ordinarily called a "step."
3. PATENTS—SAME.
   Inventor must clearly describe each step of process invention so that infringement thereof may be avoided.
4. SAME—SAME.
   Numerous claims may be granted in single process patent, but each claim is separate from the other, and must disclose an act or series of acts performed upon subject-matter to be transformed.
5. SAME—SAME—PATENTABILITY.
   Patentability of series of acts in process depends upon novelty of one or more of the steps or the order of such steps and the inventiveness of such novelty.
6. SAME—SAME—SAME.
   A process may require use of existing or specially invented machine, but patentability thereof is independent of characteristic principle of machine, although machine is essential to the process.
7. SAME—SAME—SAME.
   Mere function or effect of operation of machine cannot be subject of lawful process patent.
8. SAME—SAME—SAME.
   Where all acts described in process claims are merely results following operation of machine and are necessarily restricted to specific machine covered by a patent, such process claims cannot be upheld.
9. PATENTABILITY—PROCESS OF CRUSHING MATERIAL.
   Patent No. 1,537,565, claims 6 and 8, for process of crushing hard materials, *held* invalid for want of particularity in defining so-called steps, failure to describe acts, and because of description of functions of machine covered by machine patent issued on same day.

APPEAL from the District Court of the United States for the Eastern District of Wisconsin; Ferdinand A. Geiger, Judge.

Patent infringement suit by the Nordberg Manufacturing Company against the Smith Engineering Works. From a decree for plaintiff, defendant appeals.

Modified and affirmed.

This appeal is from a decree which sustained and held infringed two claims (2 and 7) of Patent No. 1,537,564 and two claims (6 and 8) of Patent No. 1,537,565.

Mr. Arthur L. Morsell, Mr. Curtis B. Morsell, Mr. William H. Lieber, and *Mr. Arthur L. Morsell, jr.*, for appellant.

Mr. Edwin S. Mack, Mr. Leon F. Foley, Mr. Donald M. Carter, and *Mr. Norman S. Parker* for appellee.

Before EVANS, SPARKS, and FITZ HENRY, Circuit Judges.

EVANS, *Cir. J.:*

[1] The two patents, the validity and infringement of which are challenged on this appeal, deal with a "gyratory cone crusher" and a "process of crushing hard materials." Both the machine and the process patent were issued on the same day to the same party, Edgar B. Symons. Claim 2 of the machine patent and claim 8 of the process patent, both typical, are set forth in the margin.[1]

Crushers of the type described in the patent are used to crush ore, rock, etc. Their construction calls for a gyratory cone and another element consisting of a concave bowl within which the cone is located. The rock or other substance is put into the top of the crusher, and the movement of the cone causes the material to find its way into the space between the cone and the concave member. The amount of material to be crushed is controlled by the opening which is restricted. The asserted novelty of the Symons crusher is to be found in the—

> crushing space between said cone and concave having a cross section materially greater than that of the stream of the material passing therethrough, and means for withdrawing the cone from the concave after each crushing impact, at such speed, and through an excursion of such length, as to leave the material unsupported, after the crushing impact, and to cause it to drop freely by gravity away from the concave and upon a lower portion of the cone.

The appellee's position is that prior to its invention all crusher machines were so constructed and so operated as to keep the space between the cone and the concave member filled full of the material to be crushed. Symons' machine and process provided for a space which is never completely filled with material. As the space is not filled with material, the cone is free to move with the result that the material is cracked, and as the cone withdraws, this material falls to a lower point on the cone where cracking of smaller lumps immediately occurs.

This operation of the machine—of the cone pinching the lump of ore when swinging and revolving—continues until the material is entirely crushed. The process is described by the inventor as follows:

> • • • This alternate lateral conveying, crushing, vertical drop and lateral conveying continues until the

[1] Claim 2 (No. 1,537,564). "In a gyratory crusher, a crushing cone having a higher angle than the angle of repose of the material delivered thereto, a downwardly and outwardly inclined concave overhanging said cone, the crushing space between said cone and concave having a cross section materially greater than that of the stream of material passing therethrough, and means for withdrawing the cone from the concave after each crushing impact, at such speed, and through an excursion of such length, as to leave the material unsupported, after the crushing impact, and to cause it to drop freely by gravity away from the concave and upon a lower portion of the cone."

Claim 8 (No. 1,537,565). "The process of crushing material, which consists in feeding it by gravity between a pair of opposed crushing elements, and causing all particles of the material to fall by gravity therebetween, in interrupting the flow of the material between such elements by a succession of crushing impacts, in causing the material to drop freely under gravity, and scattering it across the surface of one of said elements after such crushing impacts, and conveying it laterally, while it is being scattered, in an excursion terminating in the succeeding crushing impact."

particles being crushed have escaped from the crushing zone and pass downwardly across the lower edge of the cone.

The evidence of extensive use of the new machine and the data on the increased output of crushed material are impressive.

The moving-picture demonstration made in open court for our enlightenment was also persuasive of the asserted advantages of this machine over the prior art. Further elaboration of the description and workings of the machine are unnecessary.

We unhesitatingly agree with the district court in its conclusion on both the issue of validity and infringement. The machine was useful, it secured better results than the old crushers, and some of the elements in the combination were new and were so arranged as to secure better results. The advance over the prior art spelled invention.

[2–6] Respecting the process patent we have a very different question and one not entirely free from doubt. This patent was issued simultaneously with the machine patent. It describes the action and the results of the action of the machine covered by the patent. There is an effort to get away from the effect of a series of operations which consist of mechanical transactions and which are but the peculiar function of the machine which was constructed to perform them. Whether the claims in suit are thus limited to the functions of the machine or whether they are mechanical transactions which may be performed by hand or by several different mechanisms is the question we must determine, for on its determination patentability turns.

A process or art, as that word is used in the patent law, is an act or series of acts performed upon the subject matter to be transformed. Each act is ordinarily called a step. It is difficult to conceive of an accurate description of an act without the use of a verb. An inventor speaking to the world is required to describe (and to do so clearly) each step of his invention so that infringement may be avoided. Although numerous claims may be granted in a single patent, each claim is separate and distinct from the other and each represents a grant of a monopoly. Each claim must therefore disclose a series of steps, that is to say, an act or series of acts performed upon the subject matter to be transformed. The patentability of such a series of acts depends upon the novelty of one or more of the steps or the order of said steps and the inventiveness of such novelty. A process may be altogether new, whether the machine by which it is carried on is new or old. A new process may be invented or discovered which may require the use of newly invented machinery. In such a case, if both the process and machine are invented by the same person, he may obtain separate patents on the machine and the process. Likewise, a new process may be carried out by using the old machine in a mode in which it was never used before. In either case the patentability of the process is in no degree dependent upon the characteristic principle of the machine although the machine is essential to the process and although a particular machine may be required. *Expanded Metal Co.* v. *Bradford*, 214 U. S. 366, 383, 29 S. Ct. 652, 53 L. Ed. 1034.

[7–9] On the other hand, the mere function or effect of the operation of the machine cannot be the subject of a lawful process patent. The steps of a process claim may be performed by a machine as well as by hand. The validity of the claim, novelty and ingenuity appearing, however, does not depend upon the instrumentality by which the described act is performed. But the claim must contain an intelligent description of the act which constitutes the step. If all of the acts are merely the results following the operation of a machine and are necessarily restricted to the specific machine covered by a patent, the validity of such process claims cannot be upheld. In other words, the monopoly represented by the machine patent measures the extent of the statutory monopoly lawfully obtainable.

Referring to claim 8 attention is specifically called to the language—

and causing all particles of the material to fall by gravity therebetween.

To what does the word "causing" refer?

Like uncertainty attends the next clause—

in interrupting the flow of the material between such elements by a succession of crushing impacts.

This language describes the result of impacts rather than the action which is the legitimate and essential part of the step. Note the following:

in causing the material to drop freely under gravity.

Who causes it? To what word does "cause" refer? Does this language describe the next step in the process? If so, is it not the description of the action of the machine? In other words, is not the inventor here merely describing the function of a machine? Then, again, note the words—

excursion terminating in the succeeding crushing impact,

which refer to the action of the cone in the machine as it approaches the concave member.

Our conclusion is that the two process claims must be declared invalid because (*a*) the so-called steps are not defined with sufficient particularity to inform the public so as to enable it to avoid infringement; (*b*) the language does not describe *acts* which are the life of steps in a process patent; and (*c*) because such language describes the functions of the machine which was covered by the machine patent issued on the same day.

The decree is modified by eliminating therefrom that portion which held valid and infringed claims 6 and 8 of Patent No. 1,537,565 and, as modified, is affirmed.

The costs of this appeal shall be borne equally by both parties.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

852,848, H. K. Sandell. Coin-actuated device for controlling the operation of coin-operated machines; 1,198,860, Lesley & Enz, Circuit controller for mechanically playing instruments; 1,198,861, Lesley & Schoen, Circuit controller, D. C., N. D. Ill., E. Div., Doc. 7694, *Mills Novelty Co.* v. *The Marquette Piano Co.* Dismissed without prejudice Apr. 3, 1934.

1,198,860. Lesley & Enz, Circuit controller for mechanically playing instruments; 1,198,861, Lesley & Schoen, Circuit controller, D. C., N. D. Ill., E. Div., Doc. 7963, *Mills Novelty Co.* v. *Nelson-Wiggen Piano Co.* Dismissed without prejudice Apr. 3, 1934.

1,198,860. (See 852,848.)

1,198,861. (See 852,848 and 1,198,860.)

1,244,217, I. Langmuir, Electron-discharge apparatus and method of operating same; Re. 15,278, same, Electron discharge apparatus; 1,558,437, same, Electrical discharge apparatus; 1,758,803, O. W. Pike, Vacuum tube; 1,855,885, A. W. Hull, Electron discharge device, appeal filed Sept. 6, 1934, C. C. A., 3d Cir., Doc. 5602, *Hygrade Sylvania Corp.* v. *General Electric Co.*

1,247,540, 1,247,542, Re. 15,140, 1,286,017, 1,341,561, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; D. C., N. D. Ohio, W. Div., Doc. E 1365, *Activated Sludge, Inc.*, v. *The City of Lima, Ohio.* Patents held infringed but no injunction to issue Nov. 12, 1934. Same, filed Nov. 14, 1934, D. C., E. D. Pa., Doc. 8397, *Activated Sludge, Inc.*, v. *City of Coatesville, Pa.*

1,247,542. (See 1,247,540.)

1,281,027, G. A. Kramer, Refrigerating apparatus; 1,658,323, L. Blackmore, Refrigerator control; 1,825,731, H. B. Hull, Refrigerating apparatus; 1,832,089, Braeutigam & Holbrook, same; 1,867,539, J. T. Rauen, Refrigerator, D. C., S. D. Iowa (Des Moines), Doc. E 4555, *General Motors Corp.* v. *S. Davidson & Bros., Inc.* Dismissed as to 1,658,323 Nov. 1, 1934.

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; 1,593,791, C. G. Butler, same, filed Nov. 6, 1934, D. C., N. D. Ill., E. Div., Doc. 14173, *Stewart-Warner Corp.* v. *La Maskin-Berger Co.*

1,307,734. (See 1,307,733.) 1,341,561. (See 1,247,540.)

1,357,020, E. H. Angier, Gummed paper and method of manufacture; Re. 18,742, (of Re. 17,760 and 1,683,453), F. W. Farrell, Coated paper; Re. 19,128 (of 1,760,820), R. G. Drew, Adhesive tape; 1,856,986, same, Adhesive sheeting; 1,814,132, same, Process for preparing adhesive tape; 1,895,978, same, Adhesive sheeting and masking for painting; 1,954,805, same, Method of making adhesives in the form of sheets; 1,959,413, same, Adhesives in the form of sheets, filed Nov. 5, 1934, D. C., E. D. Pa., Doc. 8385, *Minnesota Mining & Mfg. Co.* v. *Endura Mfg. Corp.*

1,361,143, D. D. Daniel, Attachment for motion picture machines; 1,618,417, Feency & Godoy, Fire preventing apparatus for motion picture projecting machines; 1,658,594, same, Dowser closing mechanism for motion picture projecting machines; 1,725,574, same, Dowser unit for motion picture projecting machines; 1,725,556, T. T. Allen et al., Dowser control mechanism for motion picture projecting machines, filed Nov. 7, 1934, D. C., E. D. Pa., Doc. 8387, *Sentry Safety Control Corp.* v. *B. Green (Towne Theatre)*. Same, D. C., E. D. Pa., Doc. 8231, *Sentry Safety Control Corp.* v. *The Ridge Theatre Corp.* Discontinued Nov. 9, 1934.

1,378,307, W. H. Young, Apparatus for cracking and refining petroleum products; 1,392,629, 1,543,832, C. P. Dubbs, Process of converting hydrocarbons; 1,484,445, 1,534,927, 1,686,654, same, Method of treating hydrocarbons; 1,543,831, same, Apparatus for treating hydrocarbons; 1,764,296, R. Fleming, Method and apparatus for treating hydrocarbons; 1,537,593, G. Egloff, Process of cracking oil; 1,602,990, R. T. Pollard, Process and apparatus for converting hydrocarbons, D. C., N. D. Ohio, E. Div., Doc. E 4018, *Universal Oil Products Co.* v. *National Refining Co.* All patents except 1,392,629 and 1,537,593 dismissed without prejudice Nov. 7, 1934.

1,392,629. (See 1,378,307.)

1,421,329, H. H. Welch, Gem; 1,850,190, 1,730,257, same, Composite gem and jewel, filed Nov. 9, 1934, D. C., E. D. Pa., Doc. 8389, *H. H. Welch* v. *S. Stonberg et al.*

1,469,712, F. F. Beeby, Process of conserving and repairing chimneys; 1,484,862, same, Chimney; 1,550,667, same, Gunite chimney, D. C., N. D. Ill., E. Div., Doc. 11714, *Cement Gun Co., Inc., et al.*, v. *National Gunite Contracting Co. et al.* Dismissed without prejudice July 3, 1934.

1,475,980. (See 1,307,733.) 1,484,445. (See 1,378,307.)

1,484,862. (See 1,469,712.) 1,534,927. (See 1,378,307.)

1,537,593. (See 1,378,307.)

1,537,708, W. Schottky, Thermionic vacuum tube; 1,696,103, G. Seibt, Electric discharge tube, appeal filed Sept. 6, 1934, C. C. A., 3d Cir., Doc. 5601, *Hygrade Sylvania Corp.* v. *Radio Corp. of America.*

1,543,831. (See 1,378,307.) 1,543,832. (See 1,378,807.)

1,550,667. (See 1,469,712.)

1,552,070, C. L. McCuen, Refrigerating apparatus; Re. 17,434 (of 1,588,379), 1,654,504, 1,732,090, 1,732,092, 1,732,093, 1,732,094, J. G. King, same; 1,732,091, same, Cooling unit for mechanical refrigerators, D. C., W. D. N. Y., Doc. 198, *Frigidaire Corp.* v. *Fedders Mfg. Co.* Dismissed without prejudice (notice Nov. 12, 1934).

1,558,437. (See 1,244,217.)

1,566,463, J. P. Bem, Fruit-pitting apparatus; 1,581,482, same, Peach-pitting machine; 1,926,965, same, Fruit pitter and corer, D. C., N. D. Calif. (San Francisco), Doc. E. 3630–L, *Pacific Pitting Machine Co., Inc., et al*, v. *Pratt-Low Preserving Co.* Dismissed for want of prosecution Nov. 5, 1934.

1,581,482. (See 1,566,463.) 1,588,379. (See 1,552,070.)

1,593,791. (See 1,307,733.) 1,602,990. (See 1,378,307.)

1,618,417. (See 1,361,143.) 1,654,504. (See 1,552,070.)

1,658,323. (See 1,281,027.) 1,658,594. (See 1,361,143.)

1,683,453. (See 1,357,020.) 1,686,654. (See 1,378,307.)

1,696,103. (See 1,537,708.)

1,700,407, 1,739,459, S. Hiller, High pressure press; 1,828,968, Hiller & Ozonf, Screw press, D. C., N. D. Ill., E. Div., Doc. 9671, *S. Hiller, Inc.*, v. *Allbright-Nell Co. et al.* Patents 1,700,407 and 1,828,968 held valid; bill dismissed as to 1,739,459 Feb. 27, 1933. "Mandate U. S. Circuit Court of Appeals, affirming decree as to contract and assignment and reversing as to holding patents valid Aug. 21, 1934".

1,710,073, 1,714,191, S. Ruben, Electrical condenser; 1,891,207, same, Electrolytic condenser, filed Nov. 5, 1934, D. C., S. D. N. Y., Doc. E 79/143, *Ruben Condenser Co. et al.* v. *Cosmic Condenser Corp. et al.*

1,714,191. (See 1,710,073.) 1,725,556. (See 1,361,143.)

1,725,574. (See 1,361,143.) 1,730,257. (See 1,421,329.)

1,732,090. (See 1,552,070.) 1,732,091. (See 1,552,070.)

1,732,092. (See 1,552,070.) 1,732,093. (See 1,552,070.)

1,732,094. (See 1,552,070.)

1,735,137, A. Sklenar, Vibratory chute or carrier; 1,742,800, P. Aurich, Shaking conveyer, filed Nov. 9, 1934, D. C., M. D. Pa., Doc. 1131, *A. Eickhoff (Eickhoff Bros.)* v. *Goodman Mfg. Co.*

1,739,459. (See 1,700,407.) 1,742,800. (See 1,735,137.)

1,758,803. (See 1,244,217.) 1,760,820. (See 1,357,020.)

1,764,296. (See 1,378,307.) 1,814,132. (See 1,357,020.)

1,825,731. (See 1,281,027.) 1,828,968. (See 1,700,407.)

1,832,089. (See 1,281,027.) 1,850,190. (See 1,421,329.)

1,855,885. (See 1,244,217.) 1,856,986. (See 1,357,020.)

1,867,539. (See 1,281,027.) 1,891,207. (See 1,710,073.)

1,895,978. (See 1,357,020.) 1,926,965. (See 1,566,463.)

1,954,805. (See 1,357,020.) 1,959,413. (See 1,357,020.)

Re. 15,140. (See 1,247,540.) Re. 15,278. (See 1,244,217.)

Re. 17,245, Re. 17,247, W. G. Cady, Method of maintaining electric currents of constant frequency; Re. 17,355

same, Piezoelectric resonator, appeal filed Sept. 6, 1934, C. C. A., 3d Cir., Doc. 5600, *Hygrade Sylvania Corp.* v. *Radio Corp. of America.*

Re. 17,247. (See Re. 17,245.)

Re. 17,355. (See Re. 17,245.)

Re. 17,434. (See 1,552,070.)

Re. 17,760. (See 1,357,020.)

Re. 18,742. (See 1,357,020.)

Re. 19,128. (See 1,357,020.)

Des. 93,200, Des. 93,201, Des. 93,202, C. W. Brown, Design for a service bar back counter, filed Nov. 7, 1934, D. C., S. D. N. Y., Doc. E 79/144, *The Brunswick Balke Collender Co.* v. *Lebensfeld Bros., Inc.*

Des. 93,201. (See Des. 93,200.)

Des. 93,202. (See Des. 93,200.)

T. M. 101,699, Condensed Bluing Co., Bluing compound; T. M. 155,652, same, Condensed liquid bluing; T. M. 156,216, same, Bluing, filed Oct. 30, 1934, D. C., N. D. Ill., E. Div., Doc. 14163, *The John Puhl Products Co.* v. *Thermo Chemical Co.*

T. M. 155,652. (See T. M. 101,699.)

T. M. 156,216. (See T. M. 101,699.)

T. M. 245,077, The Visking Corp., Sausage and frankfurters; T. M. 246,105, same, Sausage casings, filed Nov. 7, 1934, D. C., N. D. Ill., E. Div., Doc. 14175, *The Visking Corp.* v. *Transparent Package Co.*

T. M. 246,105. (See T. M. 245,077.)

Changes in Classification

Order No. 3,294, December 4, 1934, directs:

In *class 137, Water Distribution* (Division 52), establish the following subclasses:

Mains and pipes
Pipes,
75.1 Seamed
75.2 Lock bar,
75.3 Elbows,
75.4 Cleanouts.

The patents contained in these subclasses have been taken for the most part from class 126, Stoves and Furnaces, subclasses 309, Stovepipes, Seam, and 310, Stovepipes, Elbows, abolished in this order, and class 137, Water Distribution, subclass 75, Mains and pipes, Pipes.

In *class 126, Stoves and Furnaces* (Division 19) abolish the following subclasses, with their definitions:

Stovepipes
310 Elbows,
309 Seam.

The patents formerly contained in these subclasses have been placed for the most part in class 137, Water Distribution, subclasses 75.1–75.4, established in this order.

In *class 126, Stoves and Furnaces* (Division 19) subclass 307, Stovepipes, at the end of the second search note following the definition, add the following:

particularly subclasses 75–75.4, for pipe structure per se, even though stated to be stovepipe.

Adjudicated Patents

(C. C. A. Pa.) Sundback patent, No. 1,219,881, for separable fastener, claims 1 to 4 and 6 to 11 *Held* valid and infringed. *Lion Fastener* v. *Hookless Fastener Co.*, 72 F.(2d) 985.

(C. C. A. Pa.) Sundback patent, No. 1,243,458, for separable fastener, claims 1 to 3 and 15 *Held* invalid, claim 7 *Held* valid and infringed. *Id.*

(D. C. N. Y.) Moses patent, No. 1,306,116, for ignition apparatus, *Held* valid but not contributorily infringed. *Electric Auto-Lite Co.* v. *P. & D. Manufacturing Co.*, 8 F. Supp. 314.

(D. C. N. Y.) Gilchrist patent, No. 1,375,658, for dynamo-electric machine and brush-holder device therefor, *Held* valid but not contributorily infringed. *Id.*

(D. C. N. Y.) Moses patent, No. 1,383,229, for ignition apparatus, *Held* valid but not contributorily infringed. *Id.*

(D. C. N. Y.) Gilchrist patent, No. 1,443,073, for dynamo-electric machine, *Held* valid but not contributorily infringed. *Id.*

(D. C. N. Y.) Schwarzman patent, No. 1,482,204, for timer distributor, *Held* valid but not contributorily infringed. *Id.*

(D. C. N. Y.) Gilchrist patent, No. 1,490,104, for brush holder, *Held* valid but not contributorily infringed. *Id.*

(D. C. N. Y.) Ehrlich patent, No. 1,517,281, for dynamo, *Held* valid but not contributorily infringed. *Id.*

(D. C. N. Y.) Gilchrist patent, No. 1,520,237, for dynamoelectric machine, *Held* valid but not contributorily infringed. *Id.*

(C. C. A. Pa.) Sundback patent, No. 1,566,996, for separable fastener slider, claims 6, 12, and 13 *Held* invalid. *Lion Fastener* v. *Hookless Fastener* Co., 72 F.(2d) 985.

(D. C. N. Y.) Gilchrist and Patterson patent, No. 1,676,185, for combined timer and distributor, *Held* valid but not contributorily infringed. *Electric Auto-Lite Co.* v. *P. & D. Manufacturing Co.*, 8 F. Supp. 314.

(C. C. A. Wis.) Caton patent, No. 1,693,886, for method of slip-sheeting and means for practicing the same, claims 4 and 5 *Held* invalid. *Caton Printing Co.* v. *Daniels Mfg. Co.*, 72 F.(2d) 992.

(D. C. N. Y.) Patterson and Gilchrist patent, No. 1,703,319, for combined timer and distributor, *Held* valid but not contributorily infringed. *Electric Auto-Lite Co.* v. *P. & D. Manufacturing Co.*, 8 F. Supp. 314.

(D. C. La.) Shea patent, No. 1,733,136, for method of building levees and embankments, claims 1 and 2 *Held* invalid. *Embankment Patent Co.* v. *Miller*, 8 F. Supp. 283.

(C. C. A. Pa.) Shipman patent, No. 1,734,405, for separable fastener, *Held* not infringed. *Lion Fastener* v. *Hookless Fastener Co.*, 72 F.(2d) 985.

(D. C. N. Y.) Gilchrist patent, No. 1,735,112, for switch, claims 1 and 4 *Held* valid but not infringed. *Electric Auto-Lite Co.* v. *P. & D. Manufacturing Co.*, 8 F. Supp. 314.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 25, 1934

[VOL. 449. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 353,964. FRED WHITAKER COMPANY, Philadelphia, Pa. Filed July 16, 1934.

PICKNETTED

For Wool and Rayon Materials Not Made Up into Yarns.
Claims use since June 15, 1934.

Ser. No. 355,080. THE STAMFORD RUBBER SUPPLY COMPANY, Stamford, Conn. Filed Aug. 16, 1934.

DUPHAX

For Vulcanized Vegetable Oils.
Claims use since July 21, 1934.

Ser. No. 357,560. NATIONAL LEAD COMPANY, New York, N. Y. Filed Oct. 26, 1934.

MOLSPRAY

For Compound for Facilitating the Casting of Nonferrous Metals.
Claims use since Apr. 25, 1934.

Ser. No. 358,110. RAINIER PULP & PAPER COMPANY, San Francisco, Calif. Filed Nov. 10, 1934.

CELLUNIER

For Wood Pulp.
Claims use since Oct. 5, 1934.

Ser. No. 358,111. RAINIER PULP & PAPER COMPANY, San Francisco, Calif. Filed Nov. 10, 1934.

PURAINIER

For Wood Pulp.
Claims use since Oct. 5, 1934.

Ser. No. 358,115. PAUL W. WOOD COMPANY, San Francisco, Calif. Filed Nov. 10, 1934.

SYNGIL

For Synthetic Gilsonite.
Claims use since Oct. 16, 1934.

CLASS 2

Receptacles

Ser. No. 342,635. EDGAR RICE BURROUGHS, INC., Tarzana, Calif. Filed Oct. 19, 1933.

A
TARZAN
PRODUCT

No claim is made to the word "Product" apart from the mark.
For Paper Bags, Cardboard Boxes, Packing Cases, Drinking Cups, Comprised Wholly or in Part of Paper.
Claims use since July 22, 1933.

CLASS 3

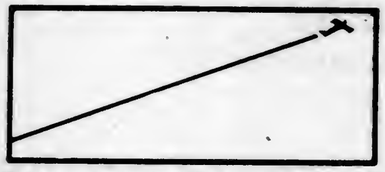
Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 357,727. AMELIA EARHART, INC., New York, N. Y. Filed Oct. 31, 1934.



The signature is a facsimile of that of Amelia Earhart, president of the applicant corporation.
For Hand Luggage of All Types—Namely, Suitcases, Hat Boxes, Hand Trunks, Wardrobe Cases, Hand Bags, and Trunks.
Claims use since Apr. 26, 1934.

Ser. No. 357,728. AMELIA EARHART, INC., New York, N. Y. Filed Oct. 31, 1934.



For Hand Luggage of All Types—Namely, Suitcases, Hat Boxes, Hand Trunks, Wardrobe Cases, Hand Bags, and Trunks.

Claims use since Apr. 26, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 352,637. WONDER PRODUCTS, Canton, Ohio. Filed June 13, 1934.



For Cleansing Compound Having Incidental Water-Softening Properties.

Claims use since June 13, 1932.

Ser. No. 353,937. MIRAX CHEMICAL PRODUCTS CORPORATION, St. Louis, Mo. Filed July 16, 1934.

MIRAX

For Cleaning Powder for Floors, Walls, Refrigerators, Sinks, Tables, Tiling, Marble and Rubber, and Other Surfaces; Chemical Preparation for Emulsifying Grease and Oil; Soap for Cleaning Solid Surfaces, Toilet-Bowl Cleaner, and Liquid Metal and Glass Cleaner.

Claims use since Apr. 1, 1932.

Ser. No. 356,486. ERNEST K. MCCOY, Norfolk, Va. Filed Sept. 27, 1934.

"GLAD RAG"

No claim is made to the exclusive use of the word "Rag" except in the form and association shown.

For Chemically Treated and Impregnated Polishing Cloths.

Claims use since June 26, 1932.

Ser. No. 357,017. THE MIX-IT HAND SOAP COMPANY, West Somerville, Mass. Filed Oct. 11, 1934.



No claim is made to the words "Hand Soap", "1 Package", "3 Quarts Cold Water", "Well Stirred", "1 Gal. Soap" except as shown with the complete mark.

For Powdered or Granular Composition Adapted to Be Mixed with Water to Form a Hand Soap Paste.

Claims use since May 6, 1932.

Ser. No. 357,777. FRED C. KERKER, doing business as Nu-A-Lu Company, Jackson Heights, New York, N. Y. Filed Nov. 1, 1934.

N U - A - L U

For Aluminum Cleaner—Namely, a Cleansing Preparation for Aluminum, Tinware, Chromium, and the Like.

Claims use since Oct. 25, 1934.

CLASS 5

Adhesives

Ser. No. 358,295. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del. Filed Nov. 16, 1934.

"22" Universal BRAND

No claim is made to the word "Brand" apart from the mark as shown.

For Casein Used as an Adhesive in the Paper Trade and for Binding and Waterproofing in Various Manufactures.

Claims use since 1922.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 341,891. WILLIAM L. BECHTOLD, Newark, N. J Filed Sept. 26, 1933.

PYRL

For Preparation for the Treatment of Inflamed, Spongy, and Receded Gums.

Claims use since May 1, 1928.

Ser. No. 342,382. AMERICAN PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Oct. 12, 1933.

A.P.C.

genuine

No claim is made to the word "Genuine" in and apart from the mark as shown.

For Acetphenetidin (Phenacetin), Acid Phenylcinchoninic, Acriflavine, Adrenal (Suprarenal Substance), Agar-Agar, Alkaline Aromatic; Aloin, Belladonna, Strychnine, and Ipecac Pills; Aloin and Phenolphthalein Compound, Amidopyrine, Ammonium Chloride, Ammonium-Ichthyo-Sulphonate, Analgesique Baume (Baume Analgesique), Antacid, Antacid Digestant, Antipyrine, Antipyrine Salicylate, Aspirin, Cinchophen, Barbital, Benzocaine, Bichloride of Mercury, Bismuth Subcarbonate, Bismuth Subgallate, Bismuth Subnitrate, Blaud Mass Pills, Bromural, Brown Mixture, Brown Mixture and Ammonium Chloride, Burn Balm, Calcium Cluconate, Calomel, Calomel and Soda; Capsules Containing Amidopyrine, Aspirin, Ephedrine, Phenobarbital, Quinine Sulphate, Castor Oil, Cod-Liver Oil, Copaiba, Ergot-Apiol, Methylene Blue Compound, Santal Oil; Cascara Compound, Cascara Sagrada Extract, Chloramine, Citrates and Carbonates, Cod-Liver Oil, Codeine Sulphate, Cold Inhalant, Compound Cathartic Pills, Copaiba (Balsam), Corpus Luteum Substance, Cresol Solution Compound, Diallyl-Barbituric Acid, Diastase of Malt, Diuretin, Dr. Hinkle Pills and Tablets, Douche Powder, Douche Tablets, Effervescent Salts, Effervescent Sodium Phosphate; Elixirs of Amidopyrine, Phenobarbital, Veronal; Ephedrine Preparations Comprising Ephedrine Alkaloid, Ephedrine Hydrochloride, Ephedrine Hydrochloride Solution, Ephedrine Inhalant, Ephedrine Nasal Jelly, Ephedrine Sulphate, Ephedrine Sulphate Solution; Epinephrine Hydrochloride Solution, Epsom Compound, Ergot, Ethyl Chloride, Ferrous Carbonate Mass, Glandular Products, Liver Extract, Liver Substance, Mammary Substance, Mixed Glands Compound, Orchic Substance, Oxgall Desiccated Powder, Pancreas Substance, Pancreatin, Parathyroid Substance, Pepsin, Pituitary Anterior Lobe, Pituitary Substance, Rennin Powder, Suprarenal (Adrenal) Substance, Thymus Substance, Thyroid Gland, Thyroid-Ovarian Compound, Granular Agar-Agar, Guaiacol Carbonate; Hexamethylen, Hyoscine (Scopolamine), Hydrobmoide, Chthalbin, Iodin, Lactose, Lactose and Dextrin, Laxative Quinine Cold Tablets, Liquid Petrolatum, Liquor Cresolis Compositus, Lycopodium, Methenamine, Methenamine and Sodium Acid Phosphate Compound Tablets, Methylene Blue Compound Capsules, Migraine Tablets, Milk of Magnesia Tablets, Milk of Magnesia, Sodium Perborate Tooth Powder, Milk Sugar Powder, Mineral Oil, Morphine Sulphate, Neo-Cinchophen (Novatophan), Normal Salt Tablets, Nose Drops, Orchic Substance, Ovarian Substance, Oxgall Powder, Oxyquinoline Sulphate, Pancreas Substance, Pancreatin Parathyroid Substance, Pepsin, Perborate of Soda; Phenacetin and Salol Tablets, Phenazone, Phenobarbital, Phenobarbital Capsules, Phenobarbital-Sodium, Phenolphthalein Tablets, Phenotab Laxative, Potassium Bromide, Potassium Chlorate, Potassium Guaiacol Sulphonate, Potassium Iodide, Potassium Permanganate, Procaine Hydrochloride, Psyllium Seed, Rennin Powder, Rhinitis, Rhubarb and Ipecac Compound, Rhubarb and Soda, Saccharin, Salol Compound, Scopolamine, Silver Nucleinate, Silver Proteinate, Soda Mint, Soda Mint and Pepsin, Sodium Acid Phosphate Monobasic, Sodium Bicarbonate, Sodium Bromide, Sodium Chloride, Sodium Perborate, Sodium Perborate and Milk of Magnesia Tooth Powders, Sodium Phosphate Effervescent, Sodium Salicylate, Strontium Salicylate, Strychnine Sulphate, Sulphonal, Sulphonethylmethane, Suppositories (Glycerine, Hemorrhoidal, and Vaginal), Surgical Lubricating Jelly, Syrup Potassium Guaiacol Sulphonate, Tannalbin, Theobromine and Phenobarbital Tablets, Bromides (Effervescent Tablets); Thymol Iodide, Thymus Substance, Thyroid Gland, Thyroid Ovarian Compound, Tincture of Iodine, Trional, Unguentum, Vaginal Cones and Jelly, Veronal, Veronal Elixir, Veronal Sodium, Yeast and Iron, Yohimbin.

Claims use since 1917.

Ser. No. 345,561. HENRY S. SMITH, doing business as Unit Sales Pharmacy, Chicago, Ill. Filed Jan. 2, 1934.

ASPIRIN-B

No claim is made to the word "Aspirin" apart from the mark.

For Proprietary Product Consisting Principally of Acidum Acetylsalicylicum Combined with Other Recognized Medicinal Agents.

Claims use since Dec. 20, 1933.

Ser. No. 353,446. ROBERT RICHARDS, INC., New York, N. Y. Filed July 2, 1934.

Personality

For Tissue Cream, Cleansing Cream, Skin Freshener, Cold Cream, Liquid Nail Polish, and Shampoo for Dry Hair.

Claims use since Dec. 1, 1933.

Ser. No. 354,116. F. A. FETSCH, doing business as Mimi Laboratories, Los Angeles, Calif. Filed July 20, 1934.

MIMI

For Nail Polish.

Claims use since July 5, 1934.

Ser. No. 355,826. WILLIAM L. BECHTOLD, Newark, N. J. Filed Sept. 8, 1934.

DIOTHYMOEUCADINE

For Antiseptic and Astringent Germicidal Preparation for the Treatment of Pyorrhea, Alveolaris, Trench Mouth, Infected Canals, Abscesses, Syphillis, Manifestations in Oral Cavity.

Claims use since June 1, 1911.

Ser. No. 356,065. LUCIA RICAMO, Providence, R. I. Filed Sept. 14, 1934.

SANI RICA SALVE

Applicant disclaims the word "Salve."

For Ointments and Salves Used for Soothing and Healing Scalds, Boils, Bruises, Chappings, Eczema, Itchings, and Skin Diseases.

Claims use since July, 1933.

Ser. No. 356,194. SAM M. JOSEPH, doing business as Saghbeen Laboratories, Akron, Ohio. Filed Sept. 19, 1934.

SECRET OF SAGHBEEN

اسرار صنبين

The Syrian script translated into English means "Secret of Saghbeen."

For Medicinal Preparation for External Use Recommended for Treatment of Pain and Discomfort Accompanying Rheumatism, Arthritis, Neuritis, and Muscular Ailments.

Claims use since June 15, 1934

Ser. No. 356,250. MAURICE CHARLES EUGENE DELAVILLE, Saint Maurice, France. Filed Sept. 21, 1934.

DÉMORPHÈNE

For Ampoules for Intramuscular Injection for the Treatment of Narcotic Addiction and for the Conditions Caused by the Use of Narcotics.
Claims use since Dec. 15, 1933.

Ser. No. 356,506. JOSEPH H. LIZZACK, Newark, N. J. Filed Sept. 28, 1934.

PEDI-PAD

For Foot Preparations—Namely, Foot Powder, Foot Balm, and Medicated Corn, Callous, and Bunion Plasters.
Claims use since Dec. 1, 1933.

Ser. No. 357,166. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-11

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,167. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-22

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,168. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-33

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,169. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-44

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,170. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-55

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,171. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-66

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,172. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-77

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Mar. 15, 1934.

Ser. No. 357,173. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Oct. 16, 1934.

AZO ZZZ-88

For Zinc Oxide Having General Use in the Industrial Arts.
Claims use since Apr. 28, 1934.

Ser. No. 357,287. LIFE SAVERS, INC., Port Chester, N. Y. Filed Oct. 19, 1934.

COUGH SAVERS

For Confectionery Lozenges or Pastilles with Added Medicinal Ingredients for the Treatment of Coughs, of Dry and Husky Throats, and Similar Affections.
Claims use since Sept. 5, 1934.

Ser. No. 357,445. PARSONS AMMONIA COMPANY, INC., New York, N. Y. Filed Oct. 23, 1934.

OCAP

For Ammonia.
Claims use since Oct. 1, 1934.

Ser. No. 357,476. TULON PRODUCTS, INC., New York, N. Y. Filed Oct. 24, 1934.

NICOCIN

For Preparation to Counteract the Effects of Nicotine.
Claims use since Oct. 3, 1934.

Ser. No. 357,571. E. R. SQUIBB & SONS, New York, N. Y. Filed Oct. 26, 1934.

Caspetol

For Intestinal Evacuants.
Claims use since Oct. 18, 1934.

Ser. No. 357,578. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 26, 1934.

AMPHOMATE

For Urinary Antiseptic.
Claims use since Sept. 21, 1934.

Ser. No. 357,612. ZOTOS CORPORATION, New York, N. Y. Filed Oct. 27, 1934.

JAMAL

For Hair-Treating Preparations.
Claims use since Sept. 26, 1934.

Ser. No. 358,062. A. P. ORDWAY & CO., New York, N. Y. Filed Nov. 9, 1934. Under 10-year proviso.

SULPHUROSO

KAUFMANN AMARGO SULPHUROSO

AMARGO

For Sulphur Bitters.
Claims use since 1880.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 357,999. TULITIKKU OY, Helsinki, Suomi, Finland. Filed Nov. 7, 1934.



No claim is made to any notations excepting the word "Northland" and applicant's corporate name, nor to the representation of a label per se.
For Safety Matches.
Claims use since Sept. 14, 1934.

CLASS 12

Construction Materials

Ser. No. 357,391. Penola Inc., Pittsburgh, Pa. Filed Oct. 22, 1934.

CRETECOTE

For Liquid Waterproof Coating for Masonry Floors.
Claims use since Sept. 20, 1934.

Ser. No. 358,116. The Agasote Millboard Co., Trenton, N. J. Filed Nov. 12, 1934.

Restfel

For Composite Flooring Material.
Claims use since February, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 355,648. Nellie L. Stephens, doing business as U. S. Flexible Metallic Tubing Company, San Francisco, Calif. Filed Aug. 31, 1934.

J.S. COUPLING

The word "Coupling" is disclaimed apart from the mark.
For Hose and Tube Couplings.
Claims use since Jan. 1, 1928.

Ser. No. 357,631. Frederick H. Groves, Dormont, Pa. Filed Oct. 29, 1934.

GROVLOCK

No claim is made to the word "Lock" apart from its association with the word "Grov."
For Metal Box Clamps.
Claims use since May 21, 1934.

Ser. No. 357,733. William C. Kalning, Linden, N. J. Filed Oct. 31, 1934.

THERMO VENT

No claim is made to the use of the word "Vent" apart from the mark as shown.
For Radiator Vent Valves.
Claims use since Oct. 2, 1934.

Ser. No. 358,058. Link-Belt Company, Chicago, Ill. Filed Nov. 9, 1934.

SILVERSTREAK

For Chains and Chain Links.
Claims use since July, 1934.

CLASS 15

Oils and Greases

Ser. No. 356,771. The Leonard Company, Chicago, Ill. Filed Oct. 4, 1934.

100% VACUUM PROCESS SHORELINE OILS

No rights are claimed for the words and numerals "100% Vacuum Process Oils" apart from the mark shown.
For Gasoline, Motor Fuel Oils, Lubricating Oils, and Lubricating Greases.
Claims use since Apr. 14, 1934.

Ser. No. 356,929. Wolverine-Empire Refining Co., New York, N. Y. Filed Oct. 9, 1934.

WOLF'S HEAD

For Lubricating Oils, Furnace Fuel Oils, Illuminating Oils, Lubricating and Packing Greases, Motor Fuel Oils, Gasoline and Kerosene.
Claims use since June 23, 1934.

Ser. No. 356,930. Wolverine-Empire Refining Co., New York, N. Y. Filed Oct. 9, 1934.

WOLF'S HEAD

For Lubricating Oils, Furnace Fuel Oils, Illuminating Oils, Lubricating and Packing Greases, Motor Fuel Oils, Gasoline and Kerosene.
Claims use since June 23, 1934.

Ser. No. 357,590. The Crescent Supply Company, Marietta, Ohio. Filed Oct. 27, 1934.

LUCKY STAR LUCKY STAR LUCKY STAR

For Lubricating Oils and Greases.
Claims use since February, 1934.

Ser. No. 358,179. The Hydrocarbon Company, Ponca City, Okla. Filed Nov. 13, 1934.

SOLVEX

For Lubricating Oils.
Claims use since Nov. 3, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 356,153. Paper Makers Chemical Corporation, Wilmington, Del. Filed Sept. 18, 1934.

ViV

For Wax Polish Used Principally for Floors of All Kinds and for Linoleum, Rubber, Composition, Marble, and Other Objects.
Claims use since Aug. 21, 1934.

Ser. No. 356,580. Paper Makers Chemical Corporation, Wilmington, Del. Filed Sept. 28, 1934.

PMC

For a Black Liquid Paint Suitable for Painting Iron Framework, Corrugated-Metal Roofs, and the Like, and Occasionally Used as a Primer Before Application of Roof Coating Materials Upon Roofs; Sulphate Wood Turpentine, Whiting, Linseed Oil; Shellac Solvent, a Liquid Solvent for Use as a Thinner and Paint Solvent to Replace Turpentine; a Self-Polishing Wax, Steam Distilled Turpentine.
Claims use since 1916 as to said black liquid paint, steam distilled turpentine, sulphate wood turpentine, and whiting; since 1924 as to linseed oil; since 1926 as to shellac solvent, and said liquid solvent for use as a thinner and paint solvent to replace turpentine; and since 1931 as to a self-polishing wax.

CLASS 17

Tobacco Products

Ser. No. 357,587. Bayuk Cigars Incorporated, Philadelphia, Pa. Filed Oct. 27, 1934.

Little "PHILLIES"

For Cigars.
Claims use since Apr. 25, 1932.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 357,444. Paramount Sales Co., Los Angeles, Calif. Filed Oct. 23, 1934.

Beauti-Symbol

For Revolving Illuminated Signs in the Nature of Advertising or Display Signs, Electrically Operated.
Claims use since Oct. 15, 1934.

Ser. No. 357,463. Herberts Machinery Co., Ltd., Los Angeles, Calif. Filed Oct. 24, 1934.

WIZARD

The drawing is lined for blue and red.
For Electric Motors.
Claims use since Sept. 1, 1934.

Ser. No. 357,484. ARISTON LABORATORY, INC., Chicago, Ill. Filed Oct. 25, 1934.

ARISTON CHICAGO | LAB. IN ILLINOIS C

No claim is made to the words "Chicago, Illinois", the letters "A. C." to denote alternating current, or a conventional symbol indicating condensers, apart from the mark shown.

For Electrical Condensers.

Claims use since Sept. 15, 1934.

Ser. No. 357,894. DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Nov. 5, 1934.

Delta

For Electric Motors and Electric Bench Grinders.

Claims use since Sept. 15, 1931.

Ser. No. 358,160. THE STANLEY WORKS, New Britain, Conn. Filed Nov. 12, 1934.

STANLEY

Applicant is the owner of No. 285,728, registered Aug. 4, 1931.

For Electric Soldering Irons.

Claims use since Sept. 29, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 351,675. LOUIS MARX & CO., INC., New York, N. Y. Filed May 22, 1934.

GOO-GOO

For Dolls and Mechanical Toys Made of Metal, Wood, Textile Fabrics, and/or Combinations Thereof; Table Board Games Played with Pieces, Playing Cards, Toy Moving Pictures Made of Paper Composition and Projection Machines Therefor, Children's Joke and Paint Books, Wooden Blocks, and Stuffed Toy Ducks, Baseballs and Baseball Gloves.

Claims use since Apr. 17, 1934.

Ser. No. 356,301. PEDRO FLORES, doing business as Hi-Lo Manufacturing & Distributing Company, Akron, Ohio. Filed Sept. 22, 1934.

HI-LO

For Indoor and Outdoor Game Played with a Circular Grooved Racket and Ball.

Claims use since Aug. 6, 1933.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 335,977. JOHN WALDRON CORPORATION, New Brunswick, N. J. Filed Mar. 22, 1933.

WALDRON SILENT STEEL GEARS

The words "Silent", "Steel", and "Gears" and the representation of the gears are disclaimed apart from the mark as shown.

For Gears.

Claims use since Dec. 22, 1932.

Ser. No. 343,301. PI-ON LIFTER CO., Wheeling, W. Va. Filed Nov. 6, 1933.

"PI-ON-LIFTER"

No claim is made to the word "Lifter" apart from the mark.

For Pie Lifter.

Claims use since Dec. 24, 1931.

Ser. No. 356,192. HYATT ROLLER BEARING COMPANY, Harrison, N. J. Filed Sept. 19, 1934. Under 10-year proviso.

HYATT

For Bearings (Especially Roller Bearings), Shaft Hangers and Steps and Pedestals and Pillow Blocks for Machinery Shafting, Journal Boxes (Especially Those for Railway Rolling-Stock), and Parts and Accessories of Any and All of the Foregoing, Irrespective of the Uses to Which Said Goods May Be Put.

Claims use since Dec. 1, 1894.

Ser. No. 357,552. HALL-WELTER CO., INC., Rochester, N. Y. Filed Oct. 26, 1934.

Chexsigno

For Check-Making Machines.

Claims use since Sept. 28, 1934.

Ser. No. 357,711. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 31, 1934.

BIG-BOY

For Electrically Driven Tools—Namely, Wood-Turning Lathes, Drill Presses, Hand-Held Drills, Jigsaws, and Grinders.

Claims use since Sept. 2, 1933.

Ser. No. 357,856. THE FEDERAL RAZOR BLADE COMPANY, Newark, N. J. Filed Nov. 3, 1934.

Wright

For Razor Blades.

Claims use since June 15, 1934.

Ser. No. 358,057. LINK-BELT COMPANY, Chicago, Ill. Filed Nov. 9, 1934.

P.I.V.

For Variable-Speed Transmissions or Gears.

Claims use since Sept. 10, 1930.

Ser. No. 358,059. LINK-BELT COMPANY, Chicago, Ill. Filed Nov. 9, 1934.

V.R.D.

For Variable-Speed Transmissions or Gears.

Claims use since Mar. 1, 1934.

Ser. No. 358,095. THE GENERAL FIRE TRUCK CORPORATION, St. Louis, Mo. Filed Nov. 10, 1934.

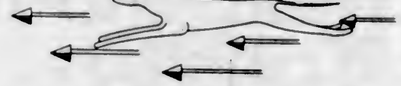
FIRE GUARD

For Portable Hand Fire Extinguishers.

Claims use since Nov. 6, 1934.

Ser. No. 358,117. E. C. ATKINS AND COMPANY, Indianapolis, Ind. Filed Nov. 12, 1934.

THE WHIPPET



For Handsaws, Compass Saws, Keyhole Saws, Cross-Cut Saws, Wood Saws (Bucksaws), Mitre Saws, Backsaws, Dovetail Saws, Pruning Saws, Butcher Saws, Kitchen Saws, and Circular Saws.

Claims use since Aug. 24, 1933.

CLASS 24

Laundry Appliances and Machines

Ser. No. 358,378. THE MENGEL COMPANY, Louisville, Ky., and St. Louis, Mo. Filed Nov. 19, 1934.

THE LITTLE HELPER

For Washboards.

Claims use since Nov. 16, 1934.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 358,081. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Nov. 10, 1934.

ISO PAN

For Sensitized Photographic Film.

Claims use since Oct. 18, 1934.

CLASS 27

Horological Instruments

Ser. No. 353,874. ADVANCE ELECTRIC CO., INC., Los Angeles, Calif. Filed July 14, 1934.

CLOK-TROLA

Applicant disclaims the word "Clok" apart from the mark shown.

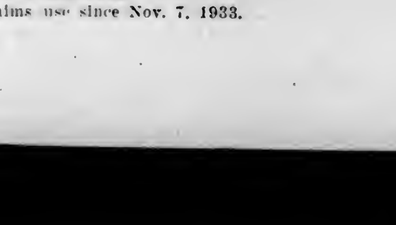
For Electric Clocks.

Claims use since Dec. 1, 1932.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 351,826. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 24, 1934.



For Watch Fob.

Claims use since Mar. 21, 1934.

Ser. No. 357,895. E. S. FEINSTEIN & COMPANY, New York, N. Y. Filed Nov. 5, 1934.

F

For Jewelry for Personal Wear (Not Including Watches).

Claims use since March, 1916.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 343,949. BOURJOIS, INC., New York, N. Y. Filed Nov. 22, 1933. Under section 5b of the act of 1905 as amended in 1920.

JAVA

For Powder Puffs.

Claims use since Nov. 7, 1933.

Ser. No. 358,101. S. H. KRESS & CO., New York, N. Y. Filed Nov. 10, 1934.

Lovely Lady

For Powder Puffs, Nail Brushes, Complexion Brushes, Shaving Brushes, Bath Brushes, Hair Brushes, Eyebrow Brushes.
Claims use since Oct. 18, 1934.

CLASS 32

Furniture and Upholstery

Ser. No. 358,159. THE SPONGE RUBBER PRODUCTS CO., Derby, Conn. Filed Nov. 12, 1934.

SPONGEX

For Chair Cushions, Automobile-Seat Cushions, Cushion Fillers Made of Rubber, and Bath Pillows.
Claims use since Feb. 11, 1932.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 346,252. JOHN R. ROBINSON, New York, N. Y. Filed Jan. 19, 1934.

Steelbestos

For Gaskets.
Claims use since Mar. 5, 1912.

Ser. No. 357,986. L. J. MILEY COMPANY, Chicago, Ill. Filed Nov. 7, 1934.

ALL-WEATHER

For Brake Lining.
Claims use since Jan. 2, 1928.

Ser. No. 357,988. L. J. MILEY COMPANY, Chicago, Ill. Filed Nov. 7, 1934.

CHAMPION

For Brake Lining.
Claims use since Jan. 2, 1929.

Ser. No. 357,990. L. J. MILEY COMPANY, Chicago, Ill. Filed Nov. 7, 1934.

PREMIER

For Brake Lining.
Claims use since June 1, 1930.

Ser. No. 358,129. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Nov. 12, 1934.

"88"

For Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since Sept. 21, 1933.

CLASS 36

Musical Instruments and Supplies

Ser. No. 354,975. CZECHOSLOVAK MUSIC CO., New York, N. Y. Filed Aug. 11, 1934.

MILITARY BAND

For Accordions, Piano Accordions, Mouth Harmonicas, Violins; Strings for Violins, Cellos, Basses, Violas, Mandolins, Guitars, Tenor Banjos, Zithers, and Ukeleles; Violas, Cellos, Double Basses, Mandolins, Banjo Mandolins, Ukeleles, Banjo Ukeleles, Tenor Ukeleles, Tiples, Banjos, Tenor Banjos, Guitars, Tenor Guitars, Megaphones, Zithers, Lutes, Lute-Mandolins; Bows for Violins, Cellos, Basses, and Violas; Chinrests for Violins and Violas, Bridges for Violins, Cellos, Basses, and Violas; Pegs for Violins, Cellos, Basses, and Violas; Tuning Pipes for Violins, Cellos, Basses, and Violas; Tailpieces for Violins, Cellos, Basses, and Violas; Bow Hair for Violins, Cellos, Basses, and Violas; Music Stands, Ocarinas, Xylophones, Mouthpieces, Reeds, and Mutes.
Claims use since August, 1926.

Ser. No. 357,319. ZCECHOSLOVAK MUSIC CO., New York, N. Y. Filed Oct. 18, 1934.

RADIO BAND

The word "Band" apart from the mark shown is disclaimed.
For Accordions, Piano Accordions, Mouth Harmonicas, Mouth Organs, Violins; Strings for Violins, Cellos, Basses, Violas, Mandolins, Guitars, Tenor Banjos, Zithers, and Ukeleles; Violas, Cellos, Double Basses, Mandolins, Banjo Mandolins, Ukeleles, Banjo Ukeleles, Tenor Ukeleles, Tiples, Banjos, Tenor Banjos, Guitars, Tenor Guitars, Megaphones, Zithers, Lutes, Lute-Mandolins, Flutes, Drums; Bows for Violins, Cellos, Basses, and Violas; Chinrests for Violins and Violas; Bridges for Violins, Cellos, Basses, and Violas; Pegs for Violins, Cellos, Basses, and Violas; Tuning Pipes for Violins, Cellos, Basses, and Violas; Tailpieces for Violins, Cellos, Basses, and Violas; Bow Hair for Violins, Cellos, Basses, and Violas; Music Stands, Trumpets, Cornets, Trombones, Saxophones, Circular Altos, Upright Altos, Clarinets, Oboes, Sousaphones, Bassoons, Bugles, Fifes, French Horns, Ocarinas, Piccolos, Cymbals, Xylophones, Mouthpieces, Reeds, and Mutes.
Claims use since September, 1924.

CLASS 37

Paper and Stationery

Ser. No. 357,778. GERSON I. LIPPE, doing business as Martin Envelope Co., New York, N. Y. Filed Nov. 1, 1934.



No claim is made to the word "Westfield" apart from the mark shown.
For Correspondence and Mailing Envelopes.
Claims use since Jan. 15, 1934.

CLASS 38

Prints and Publications

Ser. No. 350,757. BERTA HOLCEPL, New York, N. Y. Filed May 1, 1934.

DETECTIVE ROMANCES

For Periodicals Issued Monthly.
Claims use since Apr. 26, 1934.

Ser. No. 355,085. JOHN DURKAN, Scranton, Pa. Filed Aug. 15, 1934.

EVERYMAN'S MAGAZINE

For Magazine.
Claims use since Aug. 1, 1934.

Ser. No. 356,998. CONSTRUCTION MATERIALS RESEARCH CO., San Francisco, Calif. Filed Oct. 11, 1934.

CONSTRUCTION MATERIALS INDEX

For Periodical Publication Published Periodically.
Claims use since Sept. 4, 1934.

Ser. No. 357,191. THE CATHOLIC DAUGHTERS OF AMERICA, New York, N. Y. Filed Oct. 17, 1934.

WOMAN'S VOICE

For Periodical.
Claims use since June, 1930.

Ser. No. 357,731. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Oct. 31, 1934.

Hearns Flash

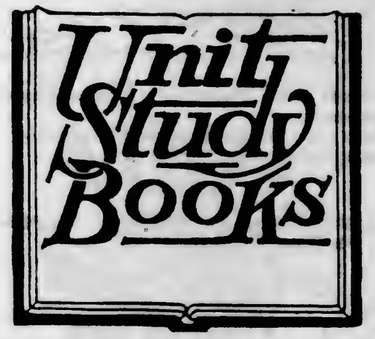
For Periodical Publication.
Claims use since July 15, 1934.

Ser. No. 357,757. ALADDIN PUBLISHING COMPANY, INC., Chicago, Ill. Filed Nov. 1, 1934.

Northwesttown Booster

For Periodicals Such as Newspapers.
Claims use since Sept. 30, 1925.

Ser. No. 357,793. THE EDUCATIONAL PRINTING HOUSE, INC., Columbus, Ohio. Filed Oct. 31, 1934.



The words "Study Books" are disclaimed apart from the mark.
For Series of Textbooks.
Claims use since May 9, 1934.

Ser. No. 357,923. THE SALT LAKE TRIBUNE PUBLISHING COMPANY, Salt Lake City, Utah. Filed Nov. 5, 1934.

Through the Garden Gate

For Newspaper Articles.
Claims use since Apr. 24, 1930.

CLASS 39

Clothing

Ser. No. 348,130. IDEAL BATHROBE CO., INC., Brooklyn, N. Y. Filed Mar. 3, 1934.

IDEAL

For Snow Suits, Ski Suits, and Ski Pants.
Claims use since Jan. 1, 1930, on snow suits, and since Jan. 1, 1934, on remaining goods.

Ser. No. 348,324. EVERETT & BARRON CO., Providence, R. I. Filed Mar. 8, 1934.

B-FLAT

No claim is made to the word "Flat" apart from the mark as shown.
For Garters and Hosiery.
Claims use since Apr. 26, 1933, on garters, and since Dec. 10, 1933, on hosiery.

Ser. No. 353,739. ULLMAN BROS. INC., New York, N. Y. Filed July 10, 1934.

Dure Fleece



The words "Dure Fleece" are disclaimed apart from the mark shown.
For Men's and Boys' Topcoats and Overcoats.
Claims use since Jan. 2, 1934.

Ser. No. 353,850. GEORGE W. HELLER, INC., New York, N. Y. Filed July 13, 1934.

George W. Heller Inc. Art in Waistcoats and Trousers

Applicant disclaims the expression "Art in Waistcoats and Trousers."
For Trousers and Waistcoats for Men.
Claims use since May 1, 1933.

Ser. No. 356,399. SIEGEL BROTHERS, Chicago, Ill. Filed Sept. 24, 1934.

ZEAR MUFF O

No claim is made to the words "Ear Muff" except in the association shown.
For Ear Muffs.
Claims use since Aug. 1, 1934.

Ser. No. 356,924. SUSSBERG & FEINBERG, INC., New York, N. Y. Filed Oct. 9, 1934.

TENISTAR

For Women's Silk Underwear—Namely, Slips, Chemises, Step-in Under Drawers, Corsets, Brassières, Pajamas, and Nightgowns.
Claims use since Aug. 8, 1934.

Ser. No. 357,204. QUEEN CITY TEXTILE CORPORATION, Allentown, Pa. Filed Oct. 17, 1934.

The Glove of Tomorrow Tamora

No claim is made to the word "Glove" apart from the mark as shown.
For Fabric Gloves.
Claims use since July 1, 1934.

Ser. No. 357,245. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Filed Oct. 18, 1934.

GOLD STRIPE

For Bathing Suits.
Claims use since Oct. 11, 1934.

Ser. No. 357,369. DALTON HAT COMPANY, Yonkers, N. Y. Filed Oct. 22, 1934.

Flexhold

For Men's Hats.
Claims use since Oct. 15, 1934.

Ser. No. 357,489. EAGLE BOYS SUIT CORP., New York, N. Y. Filed Oct. 25, 1934.

SELFKLAD

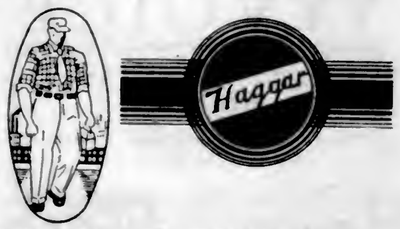
For Boys' and Girls' Outer Garments Comprising Suits and Dresses.
Claims use since June 1, 1934.

Ser. No. 357,883. WILSON BROTHERS, Chicago, Ill. Filed Nov. 5, 1934.

WILSTAY

For Dress and Negligee Shirts.
Claims use since September, 1932.

Ser. No. 357,951. HAGGAR COMPANY, Dallas, Tex. Filed Nov. 6, 1934.



The representation of a man is fanciful.
For Men's and Boys' Work Pants, Dress Pants, and Riding Pants.
Claims use since February, 1934.

Ser. No. 357,963. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Nov. 6, 1934.

Coolies "Why Swelter?"

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since October, 1934.

Ser. No. 358,040. CANNON SHOE COMPANY, Baltimore, Md. Filed Nov. 9, 1934.

NESTOR

For Hosiery.
Claims use since May 13, 1932.

Ser. No. 358,056. JOSEPH S. LERNER, Kansas City, Mo. Filed Nov. 9, 1934.

MONTH O' MAY

For Hosiery.
Claims use since Jan. 3, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 357,378. LARRY J. MARGULIES, New York, N. Y. Filed Oct. 22, 1934.

Air Conditioned Fabrics

No claim is made to the word "Fabrics" apart from the mark shown.
For Woven, Knitted, Netted, and Textile Piece Goods Made Wholly or in Part of Cotton, Linen, Silk, Synthetic Silk, Wool, or Combinations Thereof.
Claims use since Aug. 9, 1934.

Ser. No. 357,709. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 31, 1934.

FINGERWAVE CREPE

No claim is made to the word "Crepe" apart from the mark as shown.
For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 29, 1934.

Ser. No. 357,804. BURTON BROTHERS & CO., INC., New York, N. Y. Filed Nov. 2, 1934.

Burtonese

For Piece Goods Made of Cotton, Artificial Silk, Rayon, Acetate Yarns, and Combinations Thereof.
Claims use since January, 1929, on cotton piece goods, and since May, 1931, on remaining goods.

CLASS 43

Thread and Yarn

Ser. No. 355,262. HORNER BROTHERS WOOLEN MILLS, Eaton Rapids, Mich. Filed Aug. 21, 1934.

All American Yarn

No claim is made to the word "Yarn" apart from the mark.
For Wool Yarn.
Claims use since Dec. 29, 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 357,074. YOUNGS RUBBER CORPORATION, INC., New York, N. Y. Filed Oct. 12, 1934.



For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Oct. 8, 1934.

Ser. No. 357,075. YOUNGS RUBBER CORPORATION, INC., New York, N. Y. Filed Oct. 12, 1934.



The word "Improved" is disclaimed apart from the mark.
For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Oct. 8, 1934.

Ser. No. 357,983. FAICHNEY INSTRUMENT CORPORATION, Watertown, N. Y. Filed Nov. 7, 1934.

PILOT GRIP

For Clinical Thermometers.
Claims use since June 1, 1934.

Ser. No. 358,188. ORTHOPEDIC LABORATORY INC., New York, N. Y. Filed Nov. 13, 1934.

MET-ARCH

For Metatarsal Supports.
Claims use since Oct. 15, 1934.

Ser. No. 358,232. WALGREEN CO., Chicago, Ill. Filed Nov. 14, 1934.

NU-VEL

For Sanitary Napkins.
Claims use since June 6, 1932.

Ser. No. 358,322. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Nov. 17, 1934.

COACH

For Athletic Supporters.
Claims use since Apr. 9, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 356,033. JACOB GOLDHABER, Johnstown, Pa. Filed Sept. 14, 1934.



For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Jan. 1, 1915.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 337,353. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed May 1, 1933.

MINITMIX

Applicant disclaims the word "Minit" apart from the word "Mix" and the word "Mix" apart from the word "Minit."
For Prepared Mixture for the Making of Biscuits.
Claims use since Apr. 28, 1933.

Ser. No. 342,577. EDGAR RICE BURROUGHS, INC., Tarzana, Calif. Filed Oct. 17, 1933.

A
TARZAN
PRODUCT

No claim is made to the word "Product" apart from the mark shown.
For Candy, Chewing Gum, Canned Fruits and Vegetables, Fruit Preserves, Coffee and Tea; Spices and Condiments—Namely, Chile Sauce, Tomato Catsup, Prepared Mustard, and Pickles; Food Drinks Made of Cocoa and Chocolate Malt, Ice Cream, Frozen Puddings, and Ices.
Claims use since July 22, 1933.

Ser. No. 351,930. PLANTERS NUT & CHOCOLATE CO., Wilkes-Barre, Pa., and Suffolk, Va. Filed May 26, 1934.

Planters

For Roasted Peanuts, Raw Peanuts, Salted Peanuts, Peanut Butter, Peanut Meal; Candy and Peanut Confections—Namely, Peanut Candy Bars, Chocolate-Coated Peanuts, and Chocolate-Coated Peanut Candy Bars.
Claims use since 1906.

Ser. No. 352,961. CARSON PIRIE SCOTT AND COMPANY, Chicago, Ill. Filed June 21, 1934.

CARSONIA

For Coffee.
Claims use since July, 1932.

Ser. No. 355,228. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Filed Aug. 20, 1934.

Three Star

For Fresh Citrus Fruits.
Claims use since January, 1917.

Ser. No. 355,376. SUPREME CANNING COMPANY, Hartford, Conn. Filed Aug. 23, 1934.



The portraits are those of Raymond R. Jean and Robert Pellitier.
For Canned Pea Soup.
Claims use since Apr. 10, 1934.

Ser. No. 355,480. LAMBERT MARKETING COMPANY, Sacramento, Calif. Filed Aug. 27, 1934.

DIABLO
GOLD

For Fresh Deciduous Fruits.
Claims use since June 27, 1934.

Ser. No. 356,122. MOHAWK MILK PRODUCTS COMPANY, INC., New York, N. Y. Filed Sept. 17, 1934.



Applicant is owner of T. M. Reg. No. 63,284, effected under the 10-year proviso. The background is a green band on which is shown a circular figure in gold.
For Evaporated Milk.
Claims use since June 25, 1934.

Ser. No. 356,270. THE PRESERVALINE MANUFACTURING CO., Brooklyn, N. Y. Filed Sept. 21, 1934.

BOARS HEAD

For Spices and Seasonings, Gelatine, Edible Gums, Dried Powdered Vegetables, Flavoring Extracts for Foods in Solid and Liquid Form, Jelly Powders, Ice Cream Thickeners, Cereal and Gelatinous Thickeners for Foods, Binders, Fillers, Absorbents, and Congulators for Foods in the Nature of Gelatinous Materials, Meat-Curing Salts and Meat-Pickling Salts.
Claims use since Oct. 2, 1906.

Ser. No. 356,505. JAMES ARTHUR REDNER, doing busness as Pure Candy Company, Battle Creek, Mich. Filed Sept. 26, 1934.



No claim is made to the notation "5¢."
For Candy Bars and Other Forms of Candy.
Claims use since July 5, 1934.

Ser. No. 356,616. COAST FISHING COMPANY, Wilmington, Calif. Filed Oct. 1, 1934.

PUSS 'N BOOTS

For Canned Cat Food.
Claims use since Sept. 23, 1934.

Ser. No. 356,721. GOOD HUMOR CORPORATION OF AMERICA, Brooklyn, N. Y. Filed Oct. 3, 1934.

Good Humor

For Tea in Bulk, Packaged Tea and Tea in the Form of Tea Balls.
Claims use since Sept. 28, 1934.

Ser. No. 357,033. YUKON MILL AND GRAIN COMPANY, Yukon, Okla. Filed Oct. 11, 1934.

YUKON'S
SOUTHERN DAISY



For Self-Rising Flour Prepared with Phosphate Leavening.
Claims use since January, 1909.

Ser. No. 357,375. LEE AND EDWARDS CORPORATION, Tampa, Fla. Filed Oct. 22, 1934.

VITALITY

For Fresh Citrus Fruits.
Claims use since Nov. 4, 1931.

Ser. No. 357,627. ROBERT M. GARDINER, San Francisco, Calif. Filed Oct. 29, 1934.

ALASKIMO

For Canned Crab Meat.
Claims use since Apr. 19, 1934.

Ser. No. 357,669. S. HOLST-KNUDSEN, New York, N. Y. Filed Oct. 30, 1934.



The words "Danish Blue Cheese" and "Made in Denmark" are disclaimed apart from the mark.
For Cheese.
Claims use since Aug. 1, 1934.

Ser. No. 357,828. LEMUEL S. MCLEOD, Charlestown, Boston, Mass. Filed Nov. 2, 1934.



The drawing is lined for red.
For Produce—Namely, Turnips and Potatoes (in the Raw State) in Bags.
Claims use since August, 1929.

Ser. No. 358,268. THE TEICHGRAEBER MILLING CO., Gypsum, Kans. Filed Nov. 15, 1934.



For Wheat Flour.
Claims use since June 1, 1934.

CLASS 47

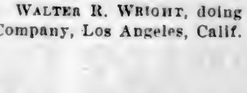
Wines

Ser. No. 345,954. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Jan. 12, 1934.



All notations except "Macharnudo Castle" and the words "Domecq's Double Century" are disclaimed apart from the mark.
For Wines.
Claims use since Nov. 21, 1933.

Ser. No. 354,404. WALTER R. WRIGHT, doing business as Wine Trading Company, Los Angeles, Calif. Filed July 31, 1934.



No claim is made to the word "Wine" apart from the mark shown.
For Wines.
Claims use since July 24, 1934.

Ser. No. 356,040. MARIANI BROS., INC., Pearl River, N. Y. Filed Sept. 14, 1934.



Applicant disclaims the outline of the label and all wording except "Mariani", "Mariani Bros., Inc." and the monogram "MB".
For Vermouth.
Claims use since Aug. 25, 1934.

Ser. No. 357,524. PIERRE BARRÉ, Paris, France. Filed Oct. 26, 1934.



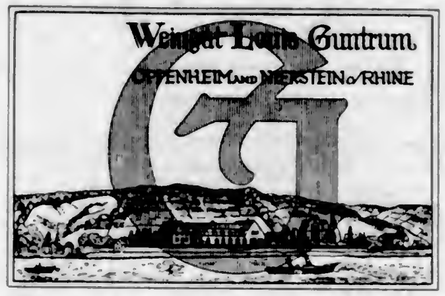
All notations excepting "Rejouit le Coeur et Rend Heureux" are disclaimed.
For Sparkling and Nonsparkling Wines.
Claims use since Oct. 13, 1924.

Ser. No. 358,065. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Nov. 9, 1934.



For Sherry, Malaga, Muscatel, Port, Bordeaux, Bourgogne, Rhine, Moselle, Stein, and Tokay Wines.
Claims use since September, 1934.

Ser. No. 358,397. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Nov. 19, 1934.



No claim is made to the words "Oppenheim and Nierstein o/Rhine" apart from the mark shown. The drawing is lined for red.
For Rhine Wines.
Claims use since Sept. 20, 1933.

CLASS 48

Malt Beverages and Liquors

Ser. No. 357,682. RHINELANDER BREWING COMPANY, Rhinelander, Wis. Filed Oct. 30, 1934.



No claim is made to the words "Refreshing" and "Rhinelander" apart from the mark as shown.
For Beer.
Claims use since 1894.

Ser. No. 357,830. THE NORTH POLE BREWING COMPANY, Fairmont, W. Va. Filed Nov. 2, 1934.



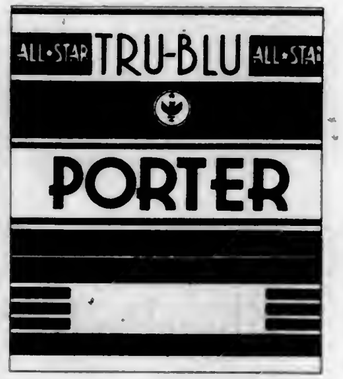
For Malt Beverages Containing Not More Than the Legal Alcoholic Content.
Claims use since Oct. 11, 1934.

Ser. No. 357,901. A. GETTELMAN BREWING CO., Milwaukee, Wis. Filed Nov. 5, 1934.



No claim is made to the words "Pure Malt & Hops" or "Beer" apart from the mark shown.
For Beer.
Claims use since Apr. 7, 1933.

Ser. No. 358,264. NORTHAMPTON BREWERY CORPORATION, Philadelphia, Pa. Filed Nov. 15, 1934.



Applicant disclaims the word "Porter" apart from the mark as shown.
For Beer.
Claims use since Nov. 7, 1934.

Ser. No. 358,265. RAINIER BREWING COMPANY, INC., San Francisco, Calif. Filed Nov. 15, 1934.

Hetch Hetchy

For Beer.
Claims use since Oct. 31, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 345,956. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Jan. 12, 1934.

CARLOS I.

For Brandies.
Claims use since Nov. 21, 1933.

Ser. No. 345,958. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Jan. 12, 1934.

CARLOS III.

For Brandies.
Claims use since Nov. 21, 1933.

Ser. No. 345,963. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain. Filed Jan. 12, 1934.

"Monopolio."

For Brandies.
Claims use since Nov. 21, 1933.

Ser. No. 347,907. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Feb. 27, 1934.



For Whiskey.
Claims use since Feb. 10, 1934.

Ser. No. 351,755. REPUBLIC DISTILLERS PRODUCTS COMPANY, INC., New York, N. Y. Filed May 23, 1934.

THIERMAN'S

Belle of Louisville

For Spirit Whiskey.
Claims use since May 21, 1934.

Ser. No. 355,389. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md. Filed Aug. 23, 1934.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Mar. 17, 1934.

Ser. No. 356,289. THE AMERICAN MEDICINAL SPIRITS COMPANY, Louisville, Ky. Filed Sept. 22, 1934.

GOLDEN PREMIUM

Applicant makes no claim to the word "Premium" except in the association shown.
For Whiskey.
Claims use since 1912.

Ser. No. 356,580. DISTILLERIE DELL'AURUM SOC. AN., Pescara, Italy. Filed Sept. 29, 1934.

La Cerasella di Fra Ginepro

The mark translated means "Friar Ginepro's Little Cherry".
For Brandy, Cognac, and Alcoholic Cordials and Liqueurs.
Claims use since 1912.

Ser. No. 357,619. C. BUSWELL & COMPANY LIMITED, London, England. Filed Oct. 29, 1934.



All notations except "Walter Scott's", "Queen", and "C. Buswell & Co. Ltd." are disclaimed apart from the mark.
For Scotch Whisky.
Claims use since Dec. 30, 1881.

Ser. No. 357,750. SOCIÉTÉ EMILE PERNOT (SOCIÉTÉ ANONYME), Pontarlier, France. Filed Oct. 31, 1934.



No claim is made to the words "Anis Superieur" and "Pontarlier" apart from the mark.
For Distilled Alcoholic Liqueurs.
Claims use since Apr. 23, 1931.

Ser. No. 358,015. WILLIAM GORDON, West New York, N. J. Filed Nov. 8, 1934.



For Straight Whiskies, Rye, and Bourbon.
Claims use since June 15, 1934.

Ser. No. 358,306. THE THOMAS WARD DISTILLING COMPANY INCORPORATED, Westminster, Md. Filed Nov. 16, 1934.

Tribute

For Whiskey.
Claims use since Nov. 9, 1934.

Ser. No. 358,320. THE HELLMAN COMPANY, INC., St. Louis, Mo. Filed Nov. 17, 1934.

OLD CROW

For Whiskey.
Claims use since 1863.

Ser. No. 358,365. JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Nov. 19, 1934.

OLD DIGNITY

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 29, 1934.

Ser. No. 358,383. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Nov. 19, 1934. Under 10-year proviso.

BRUNSWICK

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since 1879.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 25, 1934

320,286. SHOES, PARTICULARLY FOR WOMEN'S AND MISSES' SHOES, BOOTS, OVERSHOES, AND FELT HOUSE SLIPPERS MADE OF PLAIN AND FANCY LEATHERS, SATINS, VELVETS, STRAWS, RUBBER, FELT, AND METAL CLOTH, AND COMBINATIONS OF THESE MATERIALS, FOR STREET AND DRESS WEAR. WOHL SHOE COMPANY, St. Louis, Mo.
Filed December 7, 1933. Serial No. 344,617. PUBLISHED OCTOBER 16, 1934. Class 39.

320,287. CANNED FRUIT JUICES FOR FOOD PURPOSES. GARLAND C. NORRIS & COMPANY, Raleigh, N. C.
Filed May 28, 1934. Serial No. 351,991. PUBLISHED OCTOBER 16, 1934. Class 46.

320,288. COUGH DROPS. GEORGE A. BROWN, doing business as Medicinal Products Company, Portland, Oreg.
Filed May 29, 1934. Serial No. 352,027. PUBLISHED OCTOBER 16, 1934. Class 6.

320,289. PREPARATION FOR THE TREATMENT OF KIDNEY DISORDERS. GRANT CHEMICAL CO., Colfax, La., assignor to The Knox Company, Kansas City, Mo., a corporation of Missouri.
Filed April 5, 1934. Serial No. 349,575. PUBLISHED MAY 22, 1934. Class 6.

320,290. WINE. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed April 5, 1934. Serial No. 349,598. PUBLISHED OCTOBER 16, 1934. Class 47.

320,291. NEEDLES OF ALL DESCRIPTIONS FOR HAND SEWING. THE ENGLISH NEEDLE & FISHING TACKLE COMPANY LIMITED, Studley, England.
Filed April 9, 1934. Serial No. 349,713. PUBLISHED OCTOBER 16, 1934. Class 40.

320,292. STEAM CONDUITS FORMED OF TILE, CONCRETE, AND CAST METAL. H. W. PORTER & CO., INC., Newark, N. J.
Filed May 26, 1934. Serial No. 351,932. PUBLISHED OCTOBER 16, 1934. Class 12.

320,293. PAPER TOWELS AND TOILET TISSUE. SCOTT PAPER COMPANY, Chester, Pa.
Filed May 26, 1934. Serial No. 351,938. PUBLISHED OCTOBER 16, 1934. Class 37.

320,294. FEED FOR LIVESTOCK AND POULTRY. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed January 17, 1934. Serial No. 346,155. PUBLISHED OCTOBER 16, 1934. Class 46.

320,295. ALCOHOLIC CORDIALS. SILVER SWAN LIQUOR CORPORATION, San Francisco, Calif.
Filed March 23, 1934. Serial No. 349,035. PUBLISHED OCTOBER 23, 1934. Class 49.

320,296. KITCHEN UTENSILS—NAMELY, A COMBINED SLICER, SHREDDER, AND DICER. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed April 2, 1934. Serial No. 349,400. PUBLISHED MAY 22, 1934. Class 23.

320,297. BRANDY AND GIN. JÜRGEN PETERS, Hamburg, Germany.
Filed January 6, 1934. Serial No. 345,723. PUBLISHED JUNE 19, 1934. Class 49.

320,298. ALUMINUM FRY PANS, SAUCE PANS, FRENCH FRYERS, SAUCE POTS, TEA KETTLES, ROASTERS, AND PERCOLATORS. ALUMINUM GOODS MFG. CO., Jersey City, N. J., and Manitowoc, Wis.
Filed June 4, 1934. Serial No. 352,217. PUBLISHED OCTOBER 16, 1934. Class 13.

320,299. PRINTERS' RUBBER ROLLS. THE DAYTON RUBBER MANUFACTURING COMPANY, Akron, Ohio.
Filed June 4, 1934. Serial No. 352,226. PUBLISHED OCTOBER 16, 1934. Class 23.

320,300. LAMBSWOOL INTERLINING CLOTH FOR GARMENTS. H. SAKANOVSKY & CO. INC., Chicago, Ill.
Filed June 4, 1934. Serial No. 352,280. PUBLISHED OCTOBER 16, 1934. Class 42.

320,301. RUBBER HEELS. THE MONARCH RUBBER CO., INC., Baltimore, Md.
Filed June 5, 1934. Serial No. 352,292. PUBLISHED OCTOBER 16, 1934. Class 39.

320,302. BACKING MATERIAL IN SHEET FORM WITH A COMPOSITION ADHESIVELY SECURED THERETO. EDWARD K. MADAN, Arlington, N. J.
Filed June 11, 1934. Serial No. 352,545. PUBLISHED OCTOBER 16, 1934. Class 50.

320,303. BOTTLED WINES. CANNIZZARO WINE CO. INC., New York, N. Y.
Filed June 15, 1934. Serial No. 352,713. PUBLISHED OCTOBER 16, 1934. Class 47.

320,304. DYNAMO ELECTRIC MACHINES AND PARTS THEREOF, ELECTRICAL INDUCTION MACHINES AND PARTS THEREOF, ETC. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed June 15, 1934. Serial No. 352,728. PUBLISHED OCTOBER 16, 1934. Class 21.

320,305. TOOTH POWDER. A. B. WARD, Los Angeles, Calif.
Filed June 15, 1934. Serial No. 352,765. PUBLISHED OCTOBER 16, 1934. Class 6.

320,306. MOTOR AND FURNACE FUEL OILS, LUBRICATING OILS, CUTTING OILS, LUBRICATING GREASES, NAPHTHA, AND GASOLINE. WOBURN DEGREASING COMPANY, Woburn, Mass.
Filed June 16, 1934. Serial No. 352,807. PUBLISHED OCTOBER 16, 1934. Class 15.

320,307. PERIODICAL TO BE PUBLISHED SEASONALLY. BRIDES HOUSE, INC., New York, N. Y.
Filed June 18, 1934. Serial No. 352,810. PUBLISHED OCTOBER 16, 1934. Class 38.

320,308. MANICURING MACHINES, APPARATUS, AND DEVICES. WAYNE PAPER BOX AND PRINTING CORPORATION, Fort Wayne, Ind.
Filed June 20, 1934. Serial No. 352,938. PUBLISHED OCTOBER 16, 1934. Class 44.

320,309. LIQUID MEASURING AND DISPENSING PUMP. NATIONAL PUMPS CORPORATION, Dayton, Ohio.
Filed June 25, 1934. Serial No. 353,140. PUBLISHED OCTOBER 16, 1934. Class 26.

320,310. FORCE RESISTANCE SYSTEMS, EMBODIED IN FORCE MEASURING MACHINES—NAMELY, WEIGHING SCALES, COMPUTING SCALES, DYNAMOMETERS, TENSION MEASURING AND TESTING MACHINES. JOHN CHATILLON & SONS, New York, N. Y.
Filed June 27, 1934. Serial No. 353,210. PUBLISHED OCTOBER 16, 1934. Class 26.

320,311. FACE POWDERS, TISSUE CREAM, BLEACHING CREAM, LIQUEFYING CREAM, FOUNDATION CREAM, REJUVENATING CREAM, PORE PASTE, CLEANSING CREAM, HAND CREAM, HORMONE CREAM, SKIN TONIC, LIPSTICK, ROUGE, AND ASTRINGENT. RANDOLPH DRUG COMPANY, Detroit, Mich.
Filed June 27, 1934. Serial No. 353,236. PUBLISHED OCTOBER 16, 1934. Class 6.

320,312. LOTION FOR TREATING THE SKIN. J. W. QUINN DRUG COMPANY, INC., Greenwood, Miss.
Filed July 3, 1934. Serial No. 353,484. PUBLISHED OCTOBER 16, 1934. Class 6.

320,313. DOUCHE POWDER. GERALD M. LACERRE, doing business as Gerald Laboratories, New York, N. Y.
Filed July 6, 1934. Serial No. 353,575. PUBLISHED OCTOBER 16, 1934. Class 6.

320,314. CHAMPAGNE WINES. MAISON MOËT & CHANDON FONDEE EN 1743, SOCIÉTÉ ANONYME, Epernay, France.
Filed July 7, 1934. Serial No. 353,612. PUBLISHED OCTOBER 16, 1934. Class 47.

320,315. CHAMPAGNE WINES. MAISON MOËT & CHANDON FONDEE EN 1743, SOCIÉTÉ ANONYME, Epernay, France.
Filed July 10, 1934. Serial No. 353,719. PUBLISHED OCTOBER 16, 1934. Class 47.

320,316. PULVERIZED OXYGEN SALTS. INTERNATIONAL PULVERIZING CORPORATION, Camden, N. J.
Filed July 12, 1934. Serial No. 353,810. PUBLISHED OCTOBER 2, 1934. Class 6.

320,317. CHAMPAGNE WINES. MAISON MOËT & CHANDON FONDEE EN 1743, SOCIÉTÉ ANONYME, Epernay, France.
Filed July 12, 1934. Serial No. 353,812. PUBLISHED OCTOBER 16, 1934. Class 47.

320,318. INFANTS', CHILDREN'S, JUNIORS', AND MISSES' CLOAKS. SALABLE CLOAK CO. INC., New York, N. Y.
Filed July 12, 1934. Serial No. 353,822. PUBLISHED OCTOBER 16, 1934. Class 39.

320,319. SCOTCH WHISKY. HAY & SON, LIMITED, Sheffield, England.
Filed July 16, 1934. Serial No. 353,926. PUBLISHED OCTOBER 23, 1934. Class 49.

320,320. GAS AND OIL BURNING FURNACES FOR HEATING BUILDINGS AND PARTS THEREOF, AND AIR CONDITIONING UNITS NOT INCLUDING FURNACES AND PARTS THEREOF. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed July 17, 1934. Serial No. 353,982. PUBLISHED OCTOBER 16, 1934. Class 34.

320,321. SANITARY BELTS AND SANITARY UNDERGARMENTS. THE NARROW FABRIC COMPANY, Reading, Pa.
Filed July 18, 1934. Serial No. 354,052. PUBLISHED OCTOBER 16, 1934. Class 44.

320,322. ROVING FRAMES AND SPINNING FRAMES. WHITIN MACHINE WORKS, Whitinsville, Mass.
Filed July 18, 1934. Serial No. 354,062. PUBLISHED OCTOBER 16, 1934. Class 23.

320,323. LISBON WINES. JULIUS WILE, SONS & CO., INC., New York, N. Y.
Filed July 20, 1934. Serial No. 354,143. PUBLISHED OCTOBER 16, 1934. Class 47.

320,324. WHISKEY. THE FRANKFORT DISTILLERY, INC., Louisville, Ky., assignor to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of West Virginia.
Filed August 3, 1933. Serial No. 340,345. PUBLISHED OCTOBER 24, 1933. Class 49.

320,325. LISBON WINES. JULIUS WILE, SONS & CO., INC., New York, N. Y.
Filed July 20, 1934. Serial No. 354,144. PUBLISHED OCTOBER 16, 1934. Class 47.

320,326. RUBBER COMPOSITION FOR GENERAL CLEANING PURPOSES, SUCH AS FOR WALL PAPER, WOODWORK, DOORS, SHELVES, LAMPSHADES, HANDBAGS, GLOVES, LEATHER OR CANVAS SHOES, FABRICS, AND LIKE ARTICLES AND MATERIALS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed July 23, 1934. Serial No. 354,198. PUBLISHED OCTOBER 16, 1934. Class 4.

320,327. FERROUS CASTINGS. FULTON IRON WORKS COMPANY, St. Louis, Mo.
Filed July 23, 1934. Serial No. 354,201. PUBLISHED OCTOBER 16, 1934. Class 14.

320,328. MONTHLY PUBLICATION. SUN OIL COMPANY, Philadelphia, Pa.
Filed July 23, 1934. Serial No. 354,216. PUBLISHED OCTOBER 16, 1934. Class 38.

320,329. WINES. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y.
Filed August 24, 1934. Serial No. 355,398. PUBLISHED OCTOBER 16, 1934. Class 47.

320,330. PREPARED PANCAKE OR WAFFLE FLOUR. WILLIAM E. WARD, South Orange, N. J.
Filed December 5, 1933. Serial No. 344,489. PUBLISHED FEBRUARY 12, 1934. Class 46.

320,331. STOMACH BITTERS. SOCIETÀ ANONIMA FRATELLI BRANCA, Milan, Italy.
Filed November 17, 1933. Serial No. 343,798. PUBLISHED OCTOBER 16, 1934. Class 6.

320,332. DISTILLED ALCOHOLIC PUNCH. J. CEDERLUNDS SÖNER, Stockholm, Sweden.
Filed October 28, 1933. Serial No. 343,011. PUBLISHED OCTOBER 23, 1934. Class 49.

320,333. DISTILLED ALCOHOLIC PUNCH. J. CEDERLUNDS SÖNER, Stockholm, Sweden.
Filed October 28, 1933. Serial No. 343,012. PUBLISHED OCTOBER 23, 1934. Class 49.

320,334. THIN METALLIC FOIL AND PAPER OR OTHER MATERIAL COATED ON ONE OR BOTH SIDES WITH THIN METALLIC FOIL FOR THERMAL INSULATION PURPOSES. REYNOLDS METALS COMPANY, New York, N. Y.
Filed October 23, 1933. Serial No. 342,815. PUBLISHED OCTOBER 16, 1934. Class 12.

320,335. PHOTOGRAPHIC PICTURES. CARL JOHAN RIXEN, Copenhagen, Denmark.
Filed September 21, 1933. Serial No. 341,774. PUBLISHED OCTOBER 16, 1934. Class 26.

320,336. LEATHER AND RUBBER SHOE SOLES AND HEELS. S. H. KRESS & CO., New York, N. Y.
Filed September 15, 1933. Serial No. 341,603. PUBLISHED OCTOBER 16, 1934. Class 39.

320,337. FRESH MELONS. MARTIN C. WAHL, INC., El Centro, Calif.
Filed August 28, 1933. Serial No. 341,106. PUBLISHED OCTOBER 16, 1934. Class 46.

320,338. TRANSPARENT WATERPROOFING FLOOR BONDS, ETC. UNITED STATES TECHNICAL PRODUCTS CORPORATION, New York, N. Y.
Filed August 8, 1933. Serial No. 340,499. PUBLISHED OCTOBER 16, 1934. Class 12.

320,339. METAL (COMMERCIAL) ROD NOT FABRICATED INTO FINISHED ARTICLES. MUELLER BRASS CO., Port Huron, Mich.
Filed July 17, 1933. Serial No. 339,804. PUBLISHED OCTOBER 16, 1934. Class 14.

320,340. METAL (COMMERCIAL) ROD NOT FABRICATED INTO FINISHED ARTICLES. MUELLER BRASS CO., Port Huron, Mich.
Filed July 17, 1933. Serial No. 339,803. PUBLISHED OCTOBER 16, 1934. Class 14.

320,341. URINARY ANTISEPTIC. GARDNER LABORATORIES, INC., Chicago, Ill.
Filed June 26, 1933. Serial No. 339,225. PUBLISHED AUGUST 29, 1933. Class 6.

320,342. OPHTHALMIC LENSES, PRISMS, SPECTACLE AND EYE-GLASS FRAMES AND MOUNTINGS, AND PARTS THEREOF. BUHL OPTICAL COMPANY, Pittsburgh, Pa.
Filed May 2, 1933. Serial No. 337,407. PUBLISHED OCTOBER 16, 1934. Class 26.

320,343. CERTAIN NAMED WEARING APPAREL. S. H. KRESS & CO., New York, N. Y.
Filed September 12, 1932. Serial No. 330,264. PUBLISHED OCTOBER 16, 1934. Class 39.

320,344. WINES. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y.
Filed August 24, 1934. Serial No. 355,397. PUBLISHED OCTOBER 16, 1934. Class 47.

320,345. ELECTRICAL WIRE. United States Rubber Company, New York, N. Y.
Filed August 22, 1934. Serial No. 355,336. PUBLISHED OCTOBER 16, 1934. Class 21.

320,346. PHOTOGRAPHIC PRINTS. Eastman Kodak Company, Rochester, N. Y.
Filed August 22, 1934. Serial No. 355,303. PUBLISHED OCTOBER 16, 1934. Class 38.

320,347. PHOTOGRAPHIC PRINTS. Eastman Kodak Company, Rochester, N. Y.
Filed August 22, 1934. Serial No. 355,302. PUBLISHED OCTOBER 16, 1934. Class 38.

320,348. AUTOMATIC IGNITION CONTROLS FOR INTERNAL COMBUSTION ENGINES. Robie Automotive Engineering Corporation, Boston, Mass.
Filed August 21, 1934. Serial No. 355,272. PUBLISHED OCTOBER 16, 1934. Class 21.

320,349. CANDY. D. Goldenberg, Inc., Philadelphia, Pa.
Filed August 21, 1934. Serial No. 355,259. PUBLISHED OCTOBER 16, 1934. Class 46.

320,350. FRESH VEGETABLES. H. M. Izumo, doing business as Southern California Produce Company, Los Angeles, Calif.
Filed August 20, 1934. Serial No. 355,243. PUBLISHED OCTOBER 16, 1934. Class 46.

320,351. FRESH CITRUS FRUIT. Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif.
Filed August 20, 1934. Serial No. 355,230. PUBLISHED OCTOBER 16, 1934. Class 46.

320,352. FRESH CITRUS FRUITS. Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif.
Filed August 20, 1934. Serial No. 355,229. PUBLISHED OCTOBER 16, 1934. Class 46.

320,353. FRESH CITRUS FRUITS. Murphy Oil Company, doing business as Murphy Ranch, Whittier, Calif.
Filed August 20, 1934. Serial No. 355,227. PUBLISHED OCTOBER 16, 1934. Class 46.

320,354. CANNED FRUITS, CANNED VEGETABLES, AND DRIED AND EVAPORATED FRUITS. California Packing Corporation, San Francisco, Calif.
Filed August 20, 1934. Serial No. 355,162. PUBLISHED OCTOBER 16, 1934. Class 46.

320,355. PLYWOOD. M and M Wood Working Company, Portland, Oreg.
Filed August 20, 1934. Serial No. 355,132. PUBLISHED OCTOBER 16, 1934. Class 12.

320,356. GAS STOVES, FURNACES FOR WOOD, COAL, OIL, AND/OR GAS FUEL, AND PARTS THEREOF. Peninsular Stove Company, Detroit, Mich.
Filed August 17, 1934. Serial No. 355,115. PUBLISHED OCTOBER 16, 1934. Class 34.

320,357. LIQUID CONCENTRATE OF COFFEE. Lurient Food Products, Inc., Atlantic City, N. J., and New York, N. Y.
Filed August 17, 1934. Serial No. 355,108. PUBLISHED OCTOBER 16, 1934. Class 46.

320,358. COMIC STRIP. United Feature Syndicate, Inc., New York, N. Y.
Filed August 16, 1934. Serial No. 355,081. PUBLISHED OCTOBER 16, 1934. Class 38.

320,359. COFFEE MILLS AND PARTS THEREOF. B. F. Gump Co., Chicago, Ill.
Filed August 16, 1934. Serial No. 355,061. PUBLISHED OCTOBER 16, 1934. Class 23.

320,360. VEGETABLE COMPOUND LAXATIVE TABLETS. The Liebenthal Brothers Company, doing business as Marlo Products Co., Cleveland, Ohio.
Filed August 15, 1934. Serial No. 355,031. PUBLISHED OCTOBER 16, 1934. Class 6.

320,361. OINTMENT, OIL, BALM, ETC. John W. Hunter, Burnsville, N. C.
Filed August 15, 1934. Serial No. 355,025. PUBLISHED OCTOBER 16, 1934. Class 6.

320,362. ELECTRICAL DEVICE FOR TESTING LUBRICATING OILS. Gilbert & Barker Manufacturing Company, West Springfield, Mass.
Filed August 15, 1934. Serial No. 355,021. PUBLISHED OCTOBER 16, 1934. Class 26.

320,363. STAINING COMPOSITION FOR PORCELAIN BODIES, PARTICULARLY ARTIFICIAL TEETH. The Columbus Dental Manufacturing Co., Columbus, Ohio.
Filed August 13, 1934. Serial No. 354,924. PUBLISHED OCTOBER 16, 1934. Class 44.

320,364. DENTAL INVESTMENT COMPOSITION. The Columbus Dental Manufacturing Co., Columbus, Ohio.
Filed August 13, 1934. Serial No. 354,923. PUBLISHED OCTOBER 16, 1934. Class 44.

320,365. CALCULATING DEVICE FOR MEASURING THE LENGTH OF GOODS OR THE NUMBER OF ARTICLES BY WEIGHT. Robert D. Brittigan, Chicago, Ill.
Filed August 11, 1934. Serial No. 354,888. PUBLISHED OCTOBER 16, 1934. Class 26.

320,366. LADIES', MEN'S, AND CHILDREN'S PAJAMAS. Steiner-Liberty Corporation, Baltimore, Md.
Filed August 10, 1934. Serial No. 354,877. PUBLISHED OCTOBER 9, 1934. Class 39.

320,367. ABRASIVES CONSISTING OF ABRASIVE GRAINS OR PARTICLES SUCH AS QUARTZ SAND OR ALUMINOUS OXIDE HELD IN POSITION BY AN ADHESIVE. Norton Pike Company, Pike, N. H.
Filed August 10, 1934. Serial No. 354,858. PUBLISHED OCTOBER 16, 1934. Class 4.

320,368. ABRASIVES CONSISTING OF ABRASIVE GRAINS OR PARTICLES SUCH AS QUARTZ SAND OR ALUMINOUS OXIDE HELD IN POSITION BY AN ADHESIVE. Norton Pike Company, Pike, N. H.
Filed August 10, 1934. Serial No. 354,857. PUBLISHED OCTOBER 16, 1934. Class 4.

320,369. ABRASIVES CONSISTING OF ABRASIVE GRAINS OR PARTICLES SUCH AS QUARTZ SAND OR ALUMINOUS OXIDE HELD IN POSITION BY AN ADHESIVE. Norton Pike Company, Pike, N. H.
Filed August 10, 1934. Serial No. 354,856. PUBLISHED OCTOBER 16, 1934. Class 4.

320,370. ADHESIVE GUMS AND PASTES. National Adhesives Corporation, New York, N. Y.
Filed August 10, 1934. Serial No. 354,855. PUBLISHED OCTOBER 16, 1934. Class 5.

320,371. FABRICS IN THE PIECE MADE FROM SPUN RAYON YARN. Industrie Gesellschaft für Schappe, Basel, Switzerland.
Filed August 10, 1934. Serial No. 354,848. PUBLISHED OCTOBER 16, 1934. Class 42.

320,372. FABRICS IN THE PIECE MADE FROM YARNS MADE FROM BLENDED RAYON FIBRE AND WOOL. Industrie Gesellschaft für Schappe, Basel, Switzerland.
Filed August 10, 1934. Serial No. 354,846. PUBLISHED OCTOBER 16, 1934. Class 42.

320,373. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. The Old Quaker Company, Lawrenceburg, Ind.
Filed August 24, 1934. Serial No. 355,411. PUBLISHED OCTOBER 23, 1934. Class 49.

320,374. SHEETS, BLOCKS, AND FORMS CONSTRUCTED OF MOLDED FIBROUS MATERIAL WITH A HEAT HARDENED BINDER. Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.
Filed August 8, 1934. Serial No. 354,783. PUBLISHED OCTOBER 16, 1934. Class 1.

320,375. COLLOIDAL GRAPHITED OIL, A LUBRICATING OIL. Oscar A. Marton, doing business as The 5000° Company, Rockford, Ill.
Filed August 8, 1934. Serial No. 354,764. PUBLISHED OCTOBER 16, 1934. Class 15.

320,376. MOLE AND GOPHER TRAPS. Charles E. Grelle, Portland, Oreg.
Filed August 7, 1934. Serial No. 354,726. PUBLISHED OCTOBER 16, 1934. Class 50.

320,377. BRANDY. Société Anonyme Etablissements Moyet, Cognac, France.
Filed August 3, 1934. Serial No. 354,640. PUBLISHED OCTOBER 23, 1934. Class 49.

320,378. WHISKEY, GIN, RUM, AND ALCOHOLIC CORDIALS. William Edward Berard and Theresa Isabel Berard, Lowell, Mass.
Filed August 3, 1934. Serial No. 354,594. PUBLISHED OCTOBER 23, 1934. Class 49.

320,379. FABRICATED SHOULDER STRAPS. The American Fabrics Company, Bridgeport, Conn.
Filed August 3, 1934. Serial No. 354,593. PUBLISHED OCTOBER 16, 1934. Class 40.

320,380. FUMIGANT. Michigan Alkali Company, Wyandotte, Mich.
Filed August 2, 1934. Serial No. 354,570. PUBLISHED OCTOBER 16, 1934. Class 6.

320,381. BAKING POWDER, ROLLED OATS, CANDY, CANNED FRUIT, CANNED MILK, CANNED VEGETABLES, COCOA, COFFEE, DRIED FRUIT, EXTRACTS (FOOD FLAVORING), OLIVES, PICKLES, PRESERVES, JAMS, PEANUT BUTTER, PEPPER SAUCE, PREPARED MUSTARD, SPICES (WHOLE AND GROUND), TEA, AND VINEGAR. Lebanon Wholesale Grocer Company, Lebanon, Mo., assignor to Lebanon Wholesale Grocer Co., Inc., Lebanon, Mo.
Filed July 24, 1934. Serial No. 354,334. PUBLISHED SEPTEMBER 11, 1934. Class 46.

320,382. PACKAGE CANDIES. Carl Stanley Conrad, New York, N. Y.
Filed July 31, 1934. Serial No. 354,460. PUBLISHED OCTOBER 16, 1934. Class 46.

320,383. ASPHALT ROOFING AND SHINGLES. The Barber Asphalt Company, Philadelphia, Pa.
Filed July 25, 1934. Serial No. 354,274. PUBLISHED OCTOBER 16, 1934. Class 12.

320,384. GREETING CARDS. Frances M. Hounslea, New York, N. Y.
Filed July 25, 1934. Serial No. 354,296. PUBLISHED OCTOBER 16, 1934. Class 38.

320,385. SPOOLS AND BOBBINS FOR THE TEXTILE TRADE. National Vulcanized Fibre Co., Wilmington, Del.
Filed September 7, 1934. Serial No. 355,781. PUBLISHED OCTOBER 16, 1934. Class 2.

320,386. WHISKEY AND GIN. Southern Liquor Distributing Corp., Baltimore, Md.
Filed September 21, 1934. Serial No. 356,276. PUBLISHED OCTOBER 23, 1934. Class 49.

320,387. BRANDY. Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y.
Filed September 20, 1934. Serial No. 356,223. PUBLISHED OCTOBER 23, 1934. Class 49.

320,388. WHISKEY. The American Medicinal Spirits Company, Louisville, Ky.
Filed September 20, 1934. Serial No. 356,210. PUBLISHED OCTOBER 23, 1934. Class 49.

320,389. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Joseph S. Finch & Company, Schenley, Pa.
Filed September 19, 1934. Serial No. 356,185. PUBLISHED OCTOBER 23, 1934. Class 49.

320,390. WHISKEY. Taylor and Williams Distilleries, Inc., Louisville, Ky.
Filed September 18, 1934. Serial No. 356,162. PUBLISHED OCTOBER 23, 1934. Class 49.

320,391. WHISKEY. Taylor and Williams Distilleries, Inc., Louisville, Ky.
Filed September 18, 1934. Serial No. 356,160. PUBLISHED OCTOBER 23, 1934. Class 49.

320,392. GIN. Kienzler Distilling Corporation, New York, N. Y.
Filed September 18, 1934. Serial No. 356,148. PUBLISHED OCTOBER 23, 1934. Class 49.

320,393. GIN. Kienzler Distilling Corporation, New York, N. Y.
Filed September 18, 1934. Serial No. 356,147. PUBLISHED OCTOBER 23, 1934. Class 49.

320,394. RUM, WHISKEY, BRANDY, GIN, AND ALCOHOLIC CORDIALS. Theodore G. Stein, Incorporated, Camden, N. J.
Filed September 17, 1934. Serial No. 356,126. PUBLISHED OCTOBER 23, 1934. Class 49.

320,395. WHISKEY. Gimbel Brothers, Inc., New York, N. Y.
Filed September 17, 1934. Serial No. 356,108. PUBLISHED OCTOBER 23, 1934. Class 49.

320,396. CORDIALS, WHISKIES, GINS, AND BRANDIES. George Benz Sons, Inc., St. Paul, Minn.
Filed September 17, 1934. Serial No. 356,099. PUBLISHED OCTOBER 23, 1934. Class 49.

320,397. GASOLINE. The Pennzoil Company, Oil City, Pa.
Filed September 11, 1934. Serial No. 355,945. PUBLISHED OCTOBER 16, 1934. Class 15.

320,398. CAST IRON PIPES AND PIPE JOINT FITTINGS. Florence Pipe Foundry & Machine Co., Florence, N. J.
Filed September 8, 1934. Serial No. 355,831. PUBLISHED OCTOBER 16, 1934. Class 13.

320,399. CIGARS. Estabrook & Eaton Company, Boston, Mass.
Filed September 7, 1934. Serial No. 355,799. PUBLISHED OCTOBER 16, 1934. Class 17.

320,400. SHERRY WINE. Bellows & Company, Inc., New York, N. Y.
Filed September 7, 1934. Serial No. 355,791. PUBLISHED OCTOBER 16, 1934. Class 47.

320,401. SHERRY WINE. Bellows & Company, Inc., New York, N. Y.
Filed September 7, 1934. Serial No. 355,790. PUBLISHED OCTOBER 16, 1934. Class 47.

320,402. SHERRY WINE. Bellows & Company, Inc., New York, N. Y.
Filed September 7, 1934. Serial No. 355,789. PUBLISHED OCTOBER 16, 1934. Class 47.

320,403. DRY AND READY MIXED PAINTS, VARNISHES, AND STAINS. William Russell Briggs, doing business as Russell Paint Company, Chicago, Ill.
Filed September 6, 1934. Serial No. 355,755. PUBLISHED OCTOBER 16, 1934. **Class 16.**

320,404. WINES. Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y.
Filed September 5, 1934. Serial No. 355,731. PUBLISHED OCTOBER 16, 1934. Class 47.

320,405. METAL PILING, METAL PANELS, METAL FRAMES FOR DOORS AND WINDOWS; METAL LATH AND FASTENING DEVICES FOR SUCH PANELS, FRAMES, AND LATHS. Steelox Company, Chicago, Ill.
Filed September 4, 1934. Serial No. 355,715. PUBLISHED OCTOBER 16, 1934. Class 12.

320,406. HOPS. E. Clemens Horst Co., San Francisco, Calif.
Filed September 4, 1934. Serial No. 355,703. PUBLISHED OCTOBER 16, 1934. Class 1.

320,407. GIN AND WHISKEY. The Thomas Ward Distilling Company, Westminster, Md.
Filed August 31, 1934. Serial No. 355,652. PUBLISHED OCTOBER 9, 1934. Class 49.

320,408. FIBER COMPOSITION BOARD AND WALL BOARD. THE INSULITE COMPANY, Minneapolis, Minn. Filed August 31, 1934. Serial No. 355,623. PUBLISHED OCTOBER 16, 1934. Class 12.

320,409. WINE. WM. H. HOMMEL, doing business as Diamond Wine Co., Sandusky, Ohio. Filed August 31, 1934. Serial No. 355,620. PUBLISHED OCTOBER 16, 1934. Class 47.

320,410. ELECTRIC VACUUM CLEANERS AND PARTS THEREOF. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio. Filed August 31, 1934. Serial No. 355,613. PUBLISHED OCTOBER 16, 1934. Class 21.

320,411. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. LOUIS STERN COMPANY, Providence, R. I. Filed August 30, 1934. Serial No. 355,591. PUBLISHED OCTOBER 16, 1934. Class 28.

320,412. WHISKEY. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed August 30, 1934. Serial No. 355,590. PUBLISHED OCTOBER 23, 1934. Class 49.

320,413. SCIENTIFIC PERIODICAL. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed August 30, 1934. Serial No. 355,589. PUBLISHED OCTOBER 16, 1934. Class 38.

320,414. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed August 30, 1934. Serial No. 355,572. PUBLISHED OCTOBER 16, 1934. Class 38.

320,415. CLEANING COMPOUND FOR GENERAL LAUNDRY, TEXTILE, AND SIMILAR INDUSTRIAL USES. THE M. WERK COMPANY, St. Bernard, Ohio. Filed August 30, 1934. Serial No. 355,557. PUBLISHED OCTOBER 16, 1934. Class 4.

320,416. RUBBER WATER BOTTLES, FOUNTAIN SYRINGES, AND COMBINATION SYRINGES. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed August 29, 1934. Serial No. 355,533. PUBLISHED OCTOBER 16, 1934. Class 44.

320,417. WHISKEY, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MONTEBELLO DISTILLERS, INCORPORATED, Baltimore, Md. Filed August 27, 1934. Serial No. 355,489. PUBLISHED OCTOBER 9, 1934. Class 49.

320,418. WEATHER STRIP FELT. THE FELTERS COMPANY, Boston, Mass. Filed August 25, 1934. Serial No. 355,435. PUBLISHED OCTOBER 16, 1934. Class 12.

320,419. PLANING CUTTING TABLES. PERCY SCHWARTZBERG, doing business as Automatic Table Planing Co., New York, N. Y. Filed August 24, 1934. Serial No. 355,421. PUBLISHED OCTOBER 9, 1934. Class 23.

320,420. WINE. WALDORF-ASTORIA IMPORTATION CORPORATION, New York, N. Y. Filed June 23, 1934. Serial No. 353,093. PUBLISHED OCTOBER 16, 1934. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

320,421. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARCELLE D'ORSAY, doing business as Nos-Ease Company, New York, N. Y. Filed Oct. 8, 1934. Serial No. 356,872.

NOS-EASE

For Cushions for Spectacle Frames.
Claims use since April, 1933.

320,422. (CLASS 48. MALT BEVERAGES AND LIQUORS.) M. K. GOETZ BREWING COMPANY, St. Joseph, Mo. Filed Nov. 3, 1934. Serial No. 357,857.

famous for its flavor!

For Malt Beverages Containing Not More Than the Legal Alcoholic Content.
Claims use since 1924.

320,423. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR F. HURFF, Swedesboro, N. J. Filed Oct. 11, 1934. Serial No. 357,013.

HURFF

For Canned Vegetables, Tomato Juice, Tomato Cocktail, Tomato Purée, Tomato Catsup, Tomato Soup, Vegetable Soup, Spaghetti, Pork and Beans.
Claims use since July 1, 1914.

320,424. (CLASS 39. CLOTHING.) WITTY BROS., New York, N. Y. Filed Sept. 29, 1934. Serial No. 356,608.

Witty Bros.

For Men's Suits and Overcoats.
Claims use since 1900.

320,425. (CLASS 2. RECEPTACLES.) UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Sept. 28, 1934. Serial No. 356,547.

SLING SAK

For Paper or Fiber Fuel Carriers and Sacks.
Claims use since Oct. 12, 1933.

320,426. (CLASS 39. CLOTHING.) AUGUSTA KNITTING CORPORATION, Utica, N. Y. Filed Sept. 5, 1934. Serial No. 355,724.

INTERKNIT

For Men's, Children's, and Women's Unionsuits.
Claims use since January, 1908.

320,427. (CLASS 43. THREAD AND YARN.) HORNER BROTHERS WOOLEN MILLS, Eaton Rapids, Mich. Filed Aug. 21, 1934. Serial No. 355,266.

Michigan Yarn

For Wool Yarn.
Claims use since Dec. 28, 1932.

320,428. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MYSTIC WAX COMPANY, Medford, Mass. Filed June 23, 1934. Serial No. 353,105.

BETA-WAX

For Floor Wax Polish.
Claims use since Oct. 1, 1933.

320,429. (CLASS 39. CLOTHING.) JOSEPH M. REISS, doing business as M. Reiss & Son, Brooklyn, N. Y. Filed June 6, 1934. Serial No. 352,330.

"Seam Strenth"

For Ladies' Wearing Apparel—Namely, Costume Slips, Nightgowns, Pajamas, Petticoats, Chemises, Panties, Bloomers, Dance-Sets, Bed-Jackets, Negligees, and Step-Ins.
Claims use since Oct. 1, 1933.

320,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Apr. 10, 1924. Serial No. 349,808.

RICH RIPE

For Canned Fruits.
Claims use since Nov. 11, 1933.

320,431. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DOHAT LABORATORIES, New York, N. Y. Filed Mar. 28, 1934. Serial No. 349,232.

STERLINE

For Nonmetallic Dental Plates.
Claims use since Feb. 1, 1933.

320,432. (CLASS 39. CLOTHING.) ROSE BROTHERS, New York, N. Y. Filed Mar. 27, 1934. Serial No. 349,199.

ANGORA-SPUN

For Men's and Young Men's Coats, Vests, and Trousers.
Claims use since October, 1933.

320,433. (CLASS 39. CLOTHING.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Mar. 8, 1934. Serial No. 348,344.

SIR WHITE

For Men's and Boys' Clothing—Namely, Suits, Coats, Trousers, Robes, and Pajamas.
Claims use since Sept. 27, 1933.

320,434. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MANHATTAN SOAP COMPANY, INC., New York, N. Y. Filed Jan. 16, 1934. Serial No. 346,121.

CLINIC

For Toilet Soaps.
Claims use since Nov. 10, 1933.

320,435. (CLASS 32. FURNITURE AND UPHOLSTERY.) BARKER BROS., INCORPORATED, Los Angeles, Calif. Filed Jan. 13, 1934. Serial No. 345,993.

BALANCED
SLEEPING EQUIPMENT
BY
BARKER BROS.

For Mattresses and Bed-Springs.
Claims use since Oct. 10, 1933.

320,436. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KESTENMAN BROS. MFG. CO., Providence, R. I. Filed Jan. 5, 1934. Serial No. 345,071.

Peerless

For Bracelets, Clasps, and Buckles.
Claims use since Jan. 6, 1933.

320,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TELLING BELLE VERNON CO., Cleveland, Ohio. Filed Nov. 15, 1933. Serial No. 343,711.

FINDLAY

For Evaporated Milk.
Claims use since Oct. 19, 1933.

320,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILANI'S, INC., Seattle, Wash. Filed Oct. 27, 1933. Serial No. 342,978.

children's
LUNCH

For Boneless Chicken Tamales, Chili Con Carne, Chicken Broth, Chicken and Egg Noodles, Italian Style Dinner, Spaghetti with Chicken Giblet Sauce, Italian Style Raviolis, Sliced Chicken, Minced Chicken, Mushroom Sauce.
Claims use since May, 1933.

320,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUROPA SALES CORPORATION, New York, N. Y. Filed Oct. 11, 1933. Serial No. 342,345.

HYDE PARK TOFFEE

For Toffee.
Claims use since Oct. 4, 1933.

320,440. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 21, 1933. Serial No. 341,755.

Ultra Mode

For Shoes Made of Leather, Rubber or Fabric, or of Combinations of These Materials.
Claims use since Aug. 10, 1933.

TRADE-MARK REGISTRATIONS RENEWED

12,118. LIQUID PURGATIVE COMPOUND. Registered April 14, 1885. CALIFORNIA FIG SYRUP COMPANY, Reno, Nev., and San Francisco, Calif. Re-renewed April 14, 1935, to Sterling Products (Incorporated), Wheeling, W. Va., a corporation of West Virginia, assignee by mesne assignments.

12,227. METALLIC PENS. Registered May 12, 1885. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J., a corporation of New Jersey. Re-renewed May 12, 1935.

12,228. METALLIC PENS. Registered May 12, 1885. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J., a corporation of New Jersey. Re-renewed May 12, 1935.

43,726. SHIRTS. Registered November 22, 1904. S. LIEBOVITZ SONS. Renewed November 22, 1934, to S. Liebovitz & Sons, Inc., New York, N. Y., a corporation of New York, assignee.

44,025. BREAKFAST FOODS. Registered January 24, 1905. THE FORCE FOOD COMPANY, New York and Buffalo, N. Y. Renewed January 24, 1935, to Hecker-H-O Company, Inc., Buffalo, N. Y., a corporation of New York, assignee.

44,168. HOSIERY. Registered February 14, 1905. ROBERT J. FISHER. Renewed February 14, 1935, to Athens Hosiery Mills, Athens, Tenn., a firm, assignee.

95,766. A RUSSIA-LEATHER SHOE-POLISH. Registered March 10, 1914. GEO. J. KELLY CO., Haverhill and Lynn, Mass. Renewed March 10, 1934, to Geo. J. Kelly, Inc., Lynn, Mass., a corporation of Massachusetts, successor.

96,302. A BLACK SHOE-POLISH. Registered April 14, 1914. GEO. J. KELLY CO., Haverhill and Lynn, Mass. Renewed April 14, 1934, to Geo. J. Kelly, Inc., Lynn, Mass., a corporation of Massachusetts, successor.

96,303. A CLEANER OR WHITENER FOR WHITE BUCK OR CANVAS SHOES. Registered April 14, 1914. GEO. J. KELLY CO., Haverhill and Lynn, Mass. Renewed April 14, 1934, to Geo. J. Kelly, Inc., Lynn, Mass., a corporation of Massachusetts, successor.

99,691. A MEDICINE FOR ASTHMA, BRONCHITIS, AND HAY-FEVER. Registered September 15, 1914. ROBERT P. CARSON, Manitou, Colo. Renewed September 15, 1934, to Sarah Carson, Denver, Colo., successor.

100,028. MEDICINAL OIL FOR THE TREATMENT OF CONSTIPATION WITH A PURELY MECHANICAL ACTION. Registered September 29, 1914. RIKER & HEGEMAN CO., New York, N. Y. Renewed September 29, 1934, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

100,184. POPCORN. Registered October 6, 1914. MATT VOELKER. Renewed October 6, 1934, to Mary A. Voelker, trustee of the trust estate of Matt Voelker, deceased, doing business as Baby Rice Popcorn Company (Not Incorporated), Waterloo, Wis., successor.

100,613. A PREPARATION FOR CLEANING ENAMELED AND PORCELAIN WARE. Registered October 20, 1914. PORCELA-RADAX COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed October 20, 1934.

100,750. WHEAT-FLOUR AND CORNMEAL. Registered October 27, 1914. BEAVER VALLEY MILLING COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed October 27, 1934.

101,058. REFINED OIL FOR ILLUMINATING, HEATING, AND POWER PURPOSES. Registered November 10, 1914. STANDARD OIL CO. OF NEW YORK. Renewed November 10, 1934, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, by changes of name.

101,075. MENTHOLATED EGG-SHAMPOO CREAM. Registered November 10, 1914. EDWARD A. MCGINNIS. Renewed November 10, 1934, to Erma A. McGinnis, Pittsburgh, Pa., assignee.

101,084. TOOTH-POLISHES AND REMEDIES FOR DISEASES OF THE GUMS. Registered November 10, 1914. THE ORATONE COMPANY, Buffalo, N. Y., a corporation of New York. Renewed November 10, 1934.

101,094. RUBBING-STONE. Registered November 10, 1914. EUREKA RUBBING STONE COMPANY. Renewed November 10, 1934, to James H. Rhodes & Company, Chicago, Ill., a corporation of Illinois, successor.

101,110. CERTAIN NAMED ARTICLES MADE OF OR PLATED WITH PRECIOUS METAL. Registered November 10, 1914. SCHARLING & CO., Newark, N. J., a corporation of New Jersey. Renewed November 10, 1934.

101,281. LINIMENT, SALVE, AND BLOOD-PURIFIER. Registered November 24, 1914. EUGENE G. GASSAWAY, Fort Worth, Tex. Renewed November 24, 1934, to Raymond Phillip Osborn, doing business as East India Medicine Company, Dallas, Tex., successor.

101,358. LINOLEUM FLOOR-CLOTH. Registered December 8, 1914. THE GEO. W. BLABON COMPANY, Philadelphia, Pa. Renewed December 8, 1934, to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware, assignee.

101,630. A CLEANING PREPARATION FOR REMOVING IRON-RUST, INK, FRUIT, AND MEDICINE STAINS FROM CLOTHING, MARBLE, &c. Registered January 5, 1915. JOSEPH H. GARTSIDE. Renewed January 5, 1935, to Gartside's Iron Rust Soap Co., Philadelphia, Pa., a firm, successor.

101,662. GOLF-BALLS. Registered January 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed January 5, 1935.

101,663. GOLF-BALLS. Registered January 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed January 5, 1935.

101,665. GOLF-BALLS. Registered January 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed January 5, 1935.

101,666. GOLF-BALLS. Registered January 5, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed January 5, 1935.

101,774. CERTAIN NAMED FURNITURE AND UPHOLSTERY. Registered January 12, 1915. DAIMLER-MOTOREN-GESELLSCHAFT, Untertürkheim, near Stuttgart, Germany. Renewed January 12, 1935, to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a corporation of Germany, by change of name.

101,960. BEER. Registered January 19, 1915. S. LIEBMANN'S SONS BREWING COMPANY. Renewed January 19, 1935, to Liebmann Breweries, Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

102,025. BEER. Registered January 26, 1915. BARTELS BREWING COMPANY, Edwardsville, Pa. Renewed January 26, 1935, to Bartels Brewing Company, Kingston, Pa., a corporation of Pennsylvania.

102,202. PREPARATIONS FOR THE TREATMENT OF CERTAIN NAMED DISEASES AND AILMENTS. Registered January 26, 1915. THE STRONG & COBB COMPANY, Cleveland, Ohio. Renewed January 26, 1935, to Royal Manufacturing Company of Duquesne, Duquesne, Pa., a corporation of Delaware, assignee.

102,404. GLASS BOTTLES. Registered February 9, 1915. J. T. & A. HAMILTON. Renewed February 9, 1935, to J. T. & A. Hamilton Company, Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

102,519. CERTAIN NAMED FIELD AND GRASS SEEDS, AND SEED-GRAIN. Registered February 9, 1915. THE ILLINOIS SEED CO. Renewed February 9, 1935, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois, assignee.

102,549. FUMIGATORS AND INSECTICIDES. Registered February 9, 1915. F. A. THOMPSON & COMPANY. Renewed February 9, 1935, to C. E. Jamieson & Co., Detroit, Mich., a corporation of Michigan, by change of name.

102,569. WHEAT-FLOUR. Registered February 16, 1915. LEWISTON MILLING CO., LTD. Renewed February 16, 1935, to The Vollmer Clearwater Co., Ltd., Lewiston, Idaho, a corporation of Idaho, successor.

102,669. CERTAIN TOYS AND FAVORS MADE OF CERTAIN MATERIALS OR COMBINATIONS THEREOF. Registered February 23, 1915. GEORGE BORGFELDT & CO. Renewed February 23, 1935, to Geo. Borgfeldt Corporation, New York, N. Y., a corporation of New York, assignee.

102,784. TIRE FLUID. Registered February 23, 1915. BUFFALO SPECIALTY COMPANY. Renewed February 23, 1935, to Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York, by change of name.

102,826. GOLF-BALLS. Registered February 23, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed February 23, 1935.

102,827. GOLF-BALLS. Registered February 23, 1915. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed February 23, 1935.

103,027. TURKISH TOWELS, TERRY-CLOTHS, TERRY PILE-FABRICS, BATH-RUGS, AND WASH-CLOTHS. Registered March 16, 1915. W. H. & A. E. MARGERISON & CO., Philadelphia, Pa. Renewed March 16, 1935, to West Point Manufacturing Company, Boston, Mass., a corporation of Alabama, assignee.

103,050. FUSES, SWITCHES, CUT-OUTS, CLIPS, BACK-CONNECTED CONTACTS, LUGS, AND RHEOSTATS. Registered March 16, 1915. DETROIT FUSE & MANUFACTURING COMPANY. Renewed March 16, 1935, to Square D Company, Detroit, Mich., a corporation of Michigan, by change of name.

103,068. THREAD AND YARN. Registered March 16, 1915. HENRY MYER THREAD MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Renewed March 16, 1935.

103,240. CANNED VEGETABLES. Registered March 23, 1915. INDERRIEDEN CANNING CO. Renewed March 23, 1935, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois, assignee.

103,247. A CERTAIN COMPOUND FOR COVERING AND REPAIRING ROOFS. Registered March 23, 1915. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed March 23, 1935.

103,303. PAPER DRINKING-CUPS FOR USE AT SODA-WATER FOUNTAINS. Registered March 30, 1915. THE VORTEX MFG. CO. Renewed March 30, 1935, to Vortex Cup Company, Chicago, Ill., a corporation of Delaware, assignee.

103,441. LUBRICATING-OIL, GASOLENE, AND AXLE-GREASE. Registered April 6, 1915. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 6, 1935.

103,532. VARNISHES. Registered April 6, 1915. BERRY BROTHERS, Detroit, Mich., a corporation of Michigan. Renewed April 6, 1935.

103,640. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES AND A MEDICINAL PREPARATION FOR TREATING CERTAIN AILMENTS. Registered April 13, 1915. BARCLAY & BARCLAY. Renewed April 13, 1935, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York, assignee by mesne assignments.

103,688. A REMEDY FOR THE TREATMENT OF NERVOUS DISORDERS. Registered April 13, 1915. HERMAN A. BRÜCKNER, Jersey City, N. J. Renewed April 13, 1935.

103,859. GASOLENE, KEROSENE, NAPHTHA, BENZIN, LUBRICATING-OILS, AND AXLE-GREASE. Registered April 20, 1915. THE NATIONAL REFINING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 20, 1935.

103,869. MUSICAL-INSTRUMENT STRINGS. Registered April 20, 1915. THE FRED. GRETSCH MFG. CO., New York, N. Y., a corporation of New York. Renewed April 20, 1935.

104,080. WHEAT-FLOUR. Registered April 27, 1915. WHALEY MILL & ELEVATOR CO., Gainesville, Tex., a corporation of Texas. Renewed April 27, 1935.

104,087. LIQUID LAXATIVE MEDICINES. Registered April 27, 1915. CALIFORNIA FIG SYRUP CO., Reno, Nev.; San Francisco, Calif.; Louisville, Ky.; Wheeling, W. Va.; and New York, N. Y. Renewed April 27, 1935, to Sterling Products (Incorporated), Wheeling, W. Va., a corporation of West Virginia, assignee by mesne assignments.

104,090. VARNISHES. Registered April 27, 1915. COMMONWEALTH VARNISH CO., Chicago, Ill., a corporation of Illinois. Renewed April 27, 1935.

104,138. CERTAIN NAMED HARDWARE AND PLUMBING SUPPLIES. Registered May 4, 1915. THE AMERICAN HARDWARE CORPORATION, New Britain, Conn., a corporation of Connecticut. Renewed May 4, 1935.

104,139. CERTAIN NAMED HARDWARE AND PLUMBING SUPPLIES. Registered May 4, 1915. THE AMERICAN HARDWARE CORPORATION, New Britain, Conn., a corporation of Connecticut. Renewed May 4, 1935.

104,146. VIOLIN-STRINGS, ACCORDIONS, CONCERTINAS, MOUTH-HARMONICAS, AND CHROMATIC STANDARDS. Registered May 4, 1915. THE FRED. GRETSCH MFG. CO., New York, N. Y., a corporation of New York. Renewed May 4, 1935.

104,166. CERTAIN NAMED MEN'S CLOTHING. Registered May 4, 1915. BRIEDE & ROGOVSKY. Renewed May 4, 1935, to Briede & Rogovsky, Inc., Chicago, Ill., a corporation of Delaware, successor.

104,196. VARNISHES. Registered May 11, 1915. BERRY BROTHERS, Detroit, Mich., a corporation of Michigan. Renewed May 11, 1935.

104,281. CERTAIN NAMED HARDWARE SUPPLIES. Registered May 18, 1915. THE AMERICAN HARDWARE CORPORATION, New Britain, Conn., a corporation of Connecticut. Renewed May 18, 1935.

104,323. VARNISHES. Registered May 18, 1915. W. P. FULLER & CO., San Francisco, Calif., a corporation of California. Renewed May 18, 1935.

104,324. VARNISHES. Registered May 18, 1915. W. P. FULLER & CO., San Francisco, Calif., a corporation of California. Renewed May 18, 1935.

LABELS

REGISTERED DECEMBER 25, 1934

44,830.—*Title:* ABBOTTS DELUXE A MILK. For Milk. ABBOTTS DAIRIES, INC., Philadelphia, Pa. Published October 31, 1934.

44,831.—*Title:* ABBOTTS DELUXE A MILK VITAMIN D IRRADIATED. For Milk. ABBOTTS DAIRIES, INC., Philadelphia, Pa. Published October 31, 1934.

44,832.—*Title:* FIRE GUN NO. 99. For Weed Burners. AEROIL BURNER COMPANY, INC., West New York, N. J. Published August 15, 1934.

44,833.—*Title:* BAZARTE. For Cigars. A. BAZARTE, JR., Philadelphia, Pa. Published October 30, 1934.

44,834.—*Title:* BEECH-NUT ORALGENE CHEWING GUM. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 24, 1934.

44,835.—*Title:* BEECH-NUT ORALGENE CHEWING GUM. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 24, 1934.

44,836.—*Title:* BEECH-NUT PEPSIN PEPSIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 1, 1934.

44,837.—*Title:* BEECH-NUT ORANGE BEECHIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 22, 1934.

44,838.—*Title:* BEECH-NUT SPEARMINT BEECHIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 22, 1934.

44,839.—*Title:* BEECH-NUT CINNAMON BEECHIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N Y. Published October 22, 1934.

44,840.—*Title:* CAMPANA DRESKIN, THE ORIGINAL SKIN INVIGORATOR AND CAMPANA'S ITALIAN BALM. THE ORIGINAL SKIN SOFTENER. For Skin Lotion. CAMPANA CORPORATION, Batavia, Ill. Published November 9, 1934.

44,841.—*Title:* THE HARRISON SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 24, 1934.

44,842.—*Title:* BETTY WALES OPERA PUMP DE LUXE. For Pumps. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 24, 1934.

44,843.—*Title:* RARE OLD PORT. For Port Wine. CLEMENTE FERNANDES DA SILVA, doing business as C. Da Silva, Oporto, Portugal. Published August 24, 1934.

44,844.—*Title:* FIDELIO EAST INDIA PALE ALE. For Ale. FIDELIO BREWERY INC., New York, N. Y. Published October 29, 1934.

44,845.—*Title:* LA VERNE HEIGHTS. For Oranges. LA VERNE ORANGE ASSOCIATION, La Verne, Calif. Published September 25, 1934.

44,846.—*Title:* OLD SOUTHERN HOME. For Whiskey. MCKEESON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Published August 7, 1934.

44,847.—*Title:* PARK LANE. For Toilet Tissue. PARK TISSUE MILLS, INC., New York and Salisbury Mills, N. Y. Published April 2, 1933.

44,848.—*Title:* ANT-EX. For Ant Poison. JOSEPH KENNETH PATRICK, Athens, Ga. Published October 10, 1934.

44,849.—*Title:* POLAR TREAT. For Ice Cream. POLAR TREAT ICE CREAM CO., Buffalo, N. Y. Published October 20, 1934.

44,850.—*Title:* ROUSH'S BRONCHIAL BALM. For Bronchial Balm. WILBUR C. ROUSH, Anderson, Ind. Published October 1, 1934.

44,851.—*Title:* MODERN. For Oleomargarine. STANDARD NUT MARGARINE COMPANY, Indianapolis, Ind. Published July 28, 1933.

44,852.—*Title:* SUPERSOHIO. For Anti-Freeze Compound. THE STANDARD OIL COMPANY OF OHIO, Cleveland, Ohio. Published August 1, 1934.

44,853.—*Title:* WITTONE. For Medicinal Preparation. UNITED DISTRIBUTORS, INCORPORATED, Louisville, Ky. Published January 2, 1933.

44,854.—*Title:* WAMPOLE'S PREPARATION. For a Tonic and Stimulant. HENRY K. WAMPOLE & CO., INCORPORATED, Philadelphia, Pa. Published September 29, 1934.

44,855.—*Title:* W. L. WELLER & SONS, INCORPORATED. For Gin. W. L. WELLER & SONS, INC., Louisville, Ky. Published November 1, 1934.

REISSUES

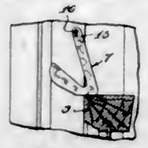
DECEMBER 25, 1934

19,405
AUTOMATIC WINDOW LOCK

Edmond T. Goodrich, Detroit, Mich.

Original No. 1,925,244, dated September 5, 1933, Serial No. 656,216, February 11, 1933. Application for reissue April 27, 1934, Serial No. 722,736

4 Claims. (Cl. 292—238)



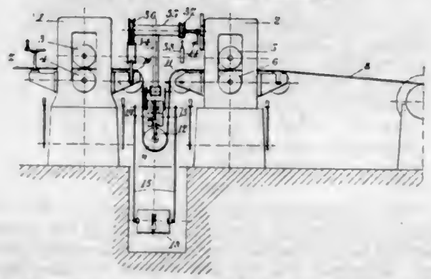
1. A one piece lock member for limiting the opening movement of a window sash, comprising an arm pivotally mounted to a stop guide for the window sash, said pivotal mounting being outside the normal plane of movement of the window sash, and a counterweight adjacent one end of said arm for normally projecting a portion of said arm within the plane of movement of said window sash, said portion of the arm being shaped and normally positioned to contact directly with said window sash to prevent any further open ng of the window and to rigidly hold the lock in position if pressure is applied to force the window to a wider open position.

19,406
ROLLING MILL

René Michel, Argenteuil, Seine-et-Oise, France, assignor, by mesne assignments, to American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Original No. 1,865,941, dated July 5, 1932, Serial No. 361,783, May 9, 1929. Application for reissue October 16, 1933, Serial No. 693,848. In Germany May 19, 1928

7 Claims. (Cl. 80—35)



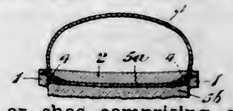
1. A rolling mill comprising two trains of rollers, a roller between said two trains of rollers adapted to rest upon the material treated, a lever connected by linkage to said roller, a counterweight movably mounted upon said lever and means for displacing said counter-weight.

19,407
FOOTWEAR

Frederick Arthur Wood, Shepherds Bush, London, England

Original No. 1,892,596, dated December 27, 1932, Serial No. 522,343, March 13, 1931. Application for reissue June 30, 1934, Serial No. 733,343. In Great Britain March 13, 1930

14 Claims. (Cl. 36—12)



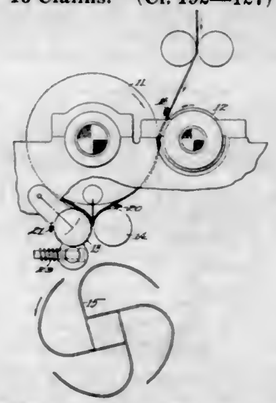
1. A boot or shoe comprising an upper, an insole secured inside said upper, a rand secured outside said upper with one side presented to the edge surface of the insole, the other side exposed, and one edge depending beneath the under surface of the insole, and an outer sole independently secured with its upper portion within the underneath cavity constituted by the downwardly depending portion of the rand.

19,408
FOLDER PROTECTING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original No. 1,951,590, dated March 20, 1934, Serial No. 359,566, May 1, 1929. Application for reissue August 23, 1934, Serial No. 741,186

13 Claims. (Cl. 192—127)

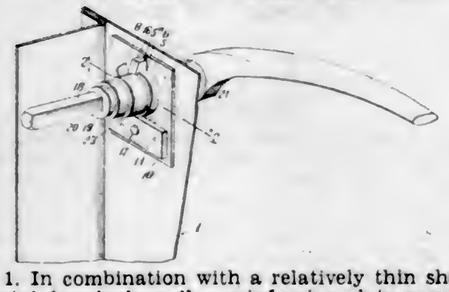


1. In a folding machine, the combination with folding and cutting cylinders, of an emergency member mounted adjacent to said cylinders, said member being movable and having an electric contact adapted to be closed by its movement due to an accumulation of paper on either of said cylinders and a stop circuit in which said contact is located, arranged to stop the folding machine upon movement of the lever.

PATENTS

GRANTED DECEMBER 25, 1934

1,935,223
AUTOMOBILE DOOR HANDLE CONSTRUCTION
Roy F. Anderson, Auburn, Ind., assignor to Manning & Co., Chicago, Ill., a corporation of Illinois
Application May 22, 1933, Serial No. 672,243
3 Claims. (Cl. 292—356)



1. In combination with a relatively thin sheet metal door body wall, a reinforcing plate secured to the inner face of said wall, said wall and plate having registering openings and lateral recesses therein, a rearward projection on said plate adjacent the opening therein, a spindle receiving bushing having a flange at one end engaged against the outer face of said wall and also having a projection on the other end for insertion through the registering recesses and operating when the bushing is turned to move out of register with said recesses into a position having an end face engagement with said first mentioned projection, and means passing through said flange, said wall and said reinforcing plate for securing the bushing in the last mentioned position.

1,985,224
ASH PIT PROTECTOR
Joseph Andrasik and John Skulavik, Denver, Colo.
Application August 28, 1933, Serial No. 687,090
Renewed June 30, 1934
5 Claims. (Cl. 94—38)



1. An ash pit protector for the filling opening of an ashpit slab comprising: an upper ring arranged to rest upon the slab; U-shaped cross members extending diametrically across said ring and designed to depend into said opening; and locking members arranged to slide upon said cross members so that they may be projected beneath said slab when said device is in place.

1,985,225
MILLING MACHINE
Walter D. Archea, Norwood, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application August 24, 1925, Serial No. 52,055
18 Claims. (Cl. 90—21)

1. A control device for application to a machine tool including a saddle and table related for joint or relative movement, comprising a bracket, dogs on said machine tool, a trip-shaft carried by the bracket having a dog-engaging ratchet, a control cam journaled in the bracket direction determining means for the saddle and

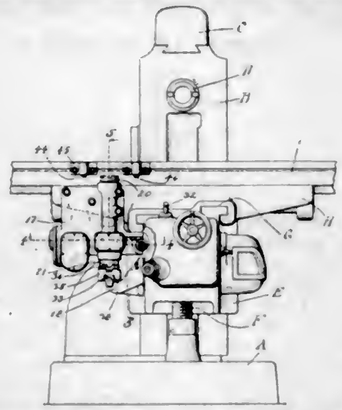
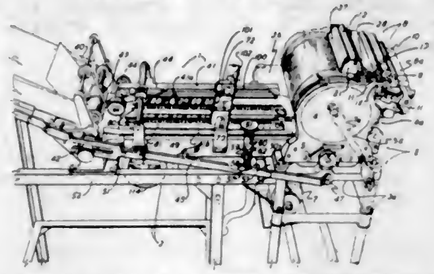


table operatively connected to the cam, and means operatively associating the cam and trip-shaft for shifting the cam upon rotation of said shaft to thereby control the movements of the saddle and table.

1,985,226
PRINTING MECHANISM
Frederick A. Beach, Metuchen, N. J., assignor to Joseph Rubenstein, Brooklyn, N. Y.
Application March 13, 1933, Serial No. 660,509
12 Claims. (Cl. 101—336)

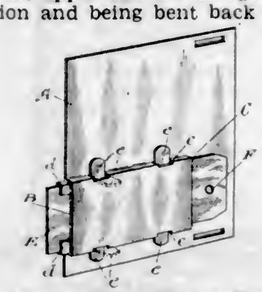


1. The process for reinking the transfer ribbon of a duplicating machine in which the ribbon is carried by a rotatable printing roll, which comprises applying ink to the ribbon at one point in the rotation of the roll and removing surplus ink from said ribbon at another point in the rotation of said roll prior to the printing step.

1,985,227
LICENSE PLATE
William Leonard Bland, Toronto, Ontario, Canada
Application May 1, 1934, Serial No. 723,371
2 Claims. (Cl. 40—125)

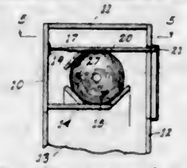
2. A license plate of the class specified consisting of a metal plate having a depressed recess portion formed therewith, slits formed along the upper and lower edges and through the ends of

the said recess portion, a series of markers having flanges formed along the upper and lower back edges, binding lugs formed on the upper and lower edges of said markers, said markers fitted in said recess portion, the said lugs being inserted through the slits in the upper and lower edges of the said recess portion and being bent back against the



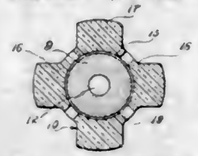
said plate, a keeper for permanently affixing the said markers in the said recess portion, said keeper consisting of a metal strip inserted through the slits formed in the ends of the said recess portion and under and between the flanges formed on the back of said markers, said keeper being riveted through the ends to the said plate for permanently affixing thereto.

1,985,228
TOWEL INDICATOR FOR TOWEL CABINETS
Joseph N. Borroughs, Oakland, Calif.
Application October 24, 1932, Serial No. 639,176
19 Claims. (Cl. 33—128)



1. An indicator for a towel cabinet having a slot in the front thereof, comprising a member gravitationally cooperating at one point with the periphery of a roll of toweling to indicate the proportionate diameter of the roll and at another point to retain cooperation at the one point during decrease in diameter of the roll, and having an indicating element operating through the slot formed in the front of the cabinet, said member being of U form and having one leg cooperating with the roll and the other leg cooperating with the indicating element, the connecting portion forming a supporting element for the member.

1,985,229
DRILLING APPARATUS
Morris C. Allen, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 27, 1929, Serial No. 416,955
11 Claims. (Cl. 308—4)



5. A drill pipe guide in the form of a rubber sleeve adapted to be mounted for free rotation on a drill pipe, said sleeve being of a diameter greater than the diameter of the drill hole so that the sleeve is maintained under compression and stationary as to angular movement during its guiding function while the drill pipe is free to rotate relative thereto, the sleeve slidably engaging the walls of the hole as the drill pipe is fed axially.

1,985,230
MANUFACTURE OF MODIFIED OIL PRODUCTS FROM FATTY OILS
László Auer, Manchester, England, assignor to J. Randolph Newman, Washington, D. C., as trustee
No Drawing. Application April 26, 1928, Serial No. 273,159. In Hungary April 26, 1927
7 Claims. (Cl. 106—23)

1. In the manufacture of modified bodies from fatty oils, the process which comprises adding an alkali metal to a substantially anhydrous alcohol to produce an alcohol solution of an alkali metal alcoholate, mixing said solution with a fatty oil, distilling away the said alcohol from the mixture and recovering the modified body thus produced.

1,985,231
MANUFACTURE OF VULCANIZED HEAT-BODIED FATTY OILS
László Auer, Budapest, Hungary, assignor to J. Randolph Newman, Washington, D. C., as trustee
No Drawing. Application April 26, 1928, Serial No. 273,160. Renewed March 22, 1934
8 Claims. (Cl. 106—23)

1. In the manufacture of vulcanized and modified bodies from fatty oils, the process which comprises mixing a fatty oil with a basic modifying agent, heating the mixture until the fatty oil is substantially modified, the said heating being effected under reduced pressure, and then vulcanizing the modified body thus produced to obtain a vulcanized and modified body.

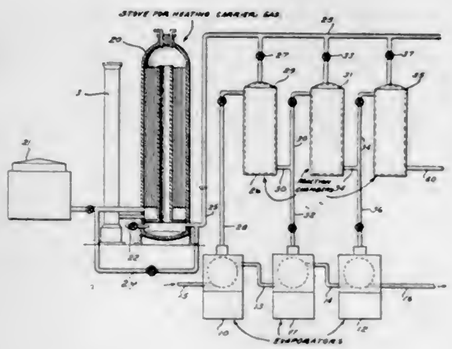
1,985,232
PROCESS FOR THE PRODUCTION OF 1-NITRO-ANTHRAQUINONE-6-CARBOXYLIC ACID AND CARBONYL HALIDES THEREOF
Earl Edson Beard, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1933 Serial No. 667,199
5 Claims. (Cl. 260—57)

1. As a new and useful chemical process the steps which comprise treating terephthaloyl-ortho-benzoic acid with sulphuric acid, treating the resultant product with a nitrating substance and treating the product with a substance capable of converting a carboxyl group to a carbonyl halide.

1,985,233
PROCESS AND APPARATUS FOR CONVERTING HYDROCARBON OILS
Edwin W. Beardsley, Texas City, Tex., and Albert P. Sachs, New York, N. Y., assignors to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1928, Serial No. 310,866
6 Claims. (Cl. 196—61)

1. In the process of converting hydrocarbon oils, the steps which consist in producing a stream of heated heat-carrier gas of substantially uniform temperature, utilizing said stream to establish a reaction zone, vaporizing said hydrocarbon oil to be converted in a plurality of evaporating

zones distinct from said reaction zone in such a manner as to produce a plurality of streams of oil vapor of graduated boiling point range, mingling the stream of the lightest vapor with said carrier gas in said reaction zone, wherein the heat in said gas initiates the conversion of said vapor at the desired conversion temperature, then successively adding to said stream in successive reaction zones said other vapor streams in such a manner that the heavier fractions are subjected to conversion conditions for a less period of time, but are subjected to substantially the same temperature as said lighter fractions.



6. In an apparatus for converting hydrocarbon oil, in combination, a source of heat carrier gas, a conversion apparatus proper, a plurality of vaporizing units separate from said source of heat-carrier gas, means for passing oil through said vaporizing units in series, means for conducting vapors from the first vaporizing unit of the series to the inlet end of the conversion apparatus, means for conducting vapors from the succeeding vaporizing units to successive spaced points in the conversion apparatus in the direction of the outlet end of said conversion apparatus, said points being so spaced as to provide a substantial time differential in respect to the flow of vapors through said conversion apparatus, the arrangement being such that said unit producing the lightest vapors is joined to said inlet end of the conversion apparatus and said unit producing the heaviest vapors is joined to said conversion apparatus nearest the outlet end thereof, means for admitting a regulated supply of heat-carrier gas to spaced points between the inlet and outlet ends of the conversion apparatus, and heating means for said vaporizer units independent of the heating means for the conversion apparatus.

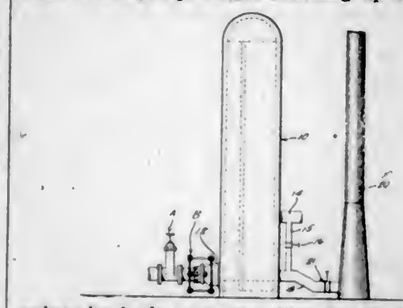
1,985,234

VALVE

Edwin W. Beardsley and Myron W. Colony, Los Angeles, Calif., assignors to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware

Application April 23, 1931, Serial No. 532,258
Renewed November 21, 1933
5 Claims. (Cl. 196—2)

1. In combination with a source of hot gas under pressure, a conduit, the interior of which is subjected to said pressure, a valve in said conduit, a second valve of the goggle type in said conduit beyond the valve first mentioned in the direction of lower pressure, and means for bleeding off the gas pressure building up between said



valves by leakage past said valve first mentioned when said goggle valve is being moved.

1,985,235

PREPARATION OF BRAZIL NUTS FOR SHELLING

James Eustace Bizzell, Newark, and Carey K. Bizzell, Elizabeth, N. J.

No Drawing. Application September 29, 1932
Serial No. 635,462
1 Claim. (Cl. 146—219)

The treatment of Brazil nuts, in their natural state in the shell, by steam flash of approximately sixty pounds pressure for not exceeding forty seconds and immediately thereafter cracking the shells and removing the kernels.

1,985,236

PARTI-COLORED LEATHER

Peter A. Blatz, Westover Hills, Del.

No Drawing. Application January 27, 1932
Serial No. 589,316
2 Claims. (Cl. 91—68)

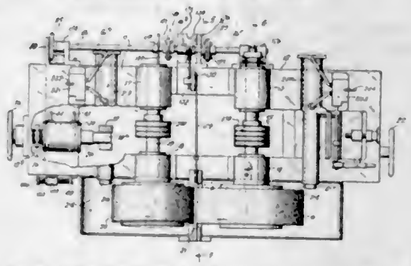
1. The method of making parti-colored skins which comprises completely tanning the skin to produce leather, applying to the entire surface of such completely tanned skin a base coat of a casein-held pigment, allowing said base coat to thoroughly dry, spattering a plurality of coats of a colored pigment contrasting with the color of the base pigment in a multiplicity of spots or dots over the entire surface of the base coat whereby the base coat shows through the subsequent spattering coats in a plurality of places and presents a mottled appearance, allowing the spattered coats to dry, glazing the colored surface of the skin, and thereafter subjecting the mottled skin to pressure between hot plates.

1,985,237

GRINDING MACHINE

Clement Booth, Danbury, Conn., assignor to Cincinnati Grinders Incorporated, a corporation of Ohio

Application May 20, 1927, Serial No. 192,878
39 Claims. (Cl. 51—48)



24. In a grinding machine, in combination, a grinding wheel, a shaft upon which said wheel

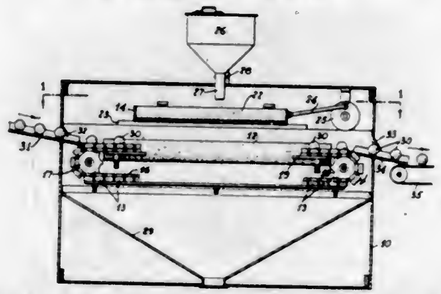
is mounted, and means for reciprocating said shaft axially in its bearings comprising a rotating cam and a lever, said lever including two portions angularly adjustable with respect to each other about the pivot of said lever.

1,985,238

TREATMENT OF FRESH FRUIT IN PREPARATION FOR MARKET

Ernest M. Brogden, Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

Application January 19, 1932, Serial No. 587,593
9 Claims. (Cl. 91—68)



1. In the preparation of fresh fruit for market, the process which comprises applying to the surface of fresh fruit a substantially water-insoluble finely pulverulent coating material which is non-injurious thereto, said pulverulent material being completely solid and substantially non-tacky, and rubbing the fruit to distribute said material uniformly over the surface of the fruit and cause it to adhere firmly thereto, said material being employed in quantity insufficient to seal completely the surface of the fruit.

1,985,239

PROTECTIVE TREATMENT OF FRESH FRUIT IN PREPARATION FOR MARKET

Ernest M. Brogden, Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

No Drawing. Application August 3, 1932
Serial No. 627,388
15 Claims. (Cl. 91—68)

1. In the preparation of fresh fruit for market, the process of protectively coating fruit to retard withering thereof which comprises initially providing fresh fruit with a film-like coating of relatively soft though substantially solid sealing material which is easily spreadable uniformly over the surface of the fruit into a firmly adherent coating, and then superimposing thereupon a second thin coating of sealing material which is capable of imparting better shine or polish than the first mentioned material and is so much harder and more brittle that it would not by itself adhere as well directly to the fruit surface, the quantity of both sealing materials thus applied being so limited and adjusted that the combined coatings are practically imperceptible and do not completely seal the fruit surface and prevent transpiration but are effective to materially retard evaporation of moisture from the fruit.

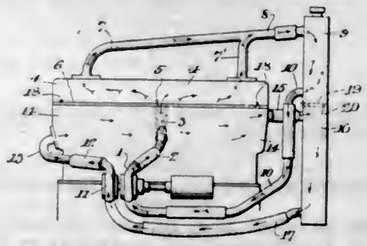
1,985,240

FORCE FEED COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES

Jacob Z. Brubaker, Manheim, Pa.

Application October 23, 1930, Serial No. 490,722
3 Claims. (Cl. 123—170)

1. In a force feed cooling system for motors, the combination with the cylinder head and cylinder block of the motor of a force feed cooling system connected with the cylinder head, a force feed cooling system connected with the cylinder block, a gasket partition disposed between the cylinder block and the cylinder head, said partition having small ports to permit a limited water circulation, a radiator having a partition dividing it into two sections, the cooling system connected with the cylinder head being connected with one of the



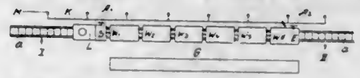
radiator sections from which hotter water is supplied to heat the cylinder head, and the cooling system connected with the cylinder block being connected with the other of the radiator sections from which cooler water is supplied to cool the cylinders and improve lubrication thereby, and relatively small openings through the partition for the passage of water to a limited extent from one section to the other.

1,985,241

DEVICE FOR REMOVING DISTURBANCES IN WIRELESS TRANSMISSION

Werner Daya, Berlin-Halensee, Germany

Application June 30, 1932, Serial No. 620,149. In Germany July 10, 1931
11 Claims. (Cl. 250—33)



3. In a system for wireless communication with mobile stations adapted to enter a region disturbing to the said wireless communication; means for maintaining communication with said stations while the same are in said disturbing region, said means comprising a main antenna carried by said stations, and an auxiliary antenna coupled to said main antenna and having a portion extending outside the disturbing region, as well as an electric shielding for said auxiliary antenna lying inside said region and open with respect to the said main antenna, substantially as and for the purpose set forth.

1,985,242

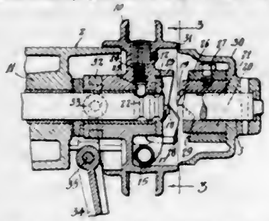
SELF-OPENING CLUTCH

William de Back, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application December 19, 1932, Serial No. 647,891
11 Claims. (Cl. 192—56)

9. In a self-opening positive clutch, the combination of a driving clutch-member, a rotary member for driving the driving clutch-member, a pin-and-slot connection between the same permitting limited relative circumferential movement, transmitting means mounted on the side of the driving clutch member between the driving member and the driving-clutch member for driving the latter, and capable of transmitting sufficient force for driving the clutch in the normal operation of the mechanism driven by the clutch, said transmitting means maintained in distortion by reason of said pin-and-slot connection,

and operating to yield if the resistance to the drive is abnormally great, and means brought into



action by the yielding of said transmitting means to open the clutch.

1,985,243
METHOD OF PRODUCING ORNAMENTAL FABRIC

Camille Dreyfus, New York, N. Y., and Herbert Platt, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 20, 1928, Serial No. 327,471

5 Claims. (Cl. 28—1)

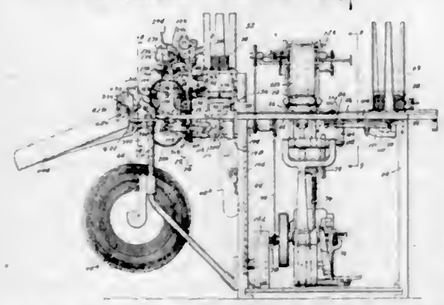
1. Process of producing a fabric having cockle or pebble effects comprising treating a fabric having at least its warp or its weft constructed of yarns of organic derivatives of cellulose alternating with highly twisted yarns of non-vegetable fibres with a solution of nitric acid that causes the shrinkage of the organic derivative of cellulose yarn and no appreciable shrinkage of the other yarn.

1,985,244
BILL PRINTING AND ADDRESSING MACHINE

Harmon P. Elliott, Watertown, Mass.

Application April 27, 1928, Serial No. 273,364

26 Claims. (Cl. 101—47)



1. A bill addressing and printing machine having addressing mechanism and printing mechanism from one to the other of which mechanisms a bill sheet is adapted to be moved in the order named, said addressing mechanism having means to print the same address a determined number of times and thereupon to select a different address for addressing the succeeding bill sheet, operating means for said mechanisms arranged to effect the addressing of the sheet when the sheet is at the addressing mechanism and to effect the subsequent printing of the sheet when the sheet is subsequently at the printing mechanism, and sheet advancing mechanism arranged to advance a bill sheet through the addressing mechanism and through the printing mechanism at the same rate of movement.

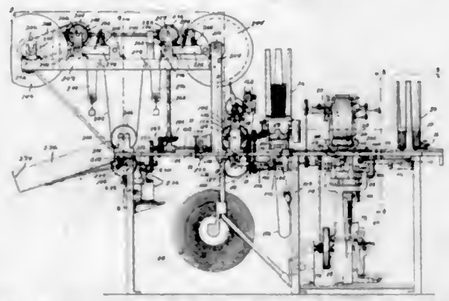
26. A bill printing machine comprising addressing means for applying repetitions of the same address on any one bill and different addresses on different bills, printing means for printing the same data on all bills, and bill-form positioning means for positioning the same parts of all successive bill forms in the same positions in both the addressing and the printing means so that the addresses and printed data are in the same unchanging registration in all bill forms and possibility of cumulative error is avoided.

1,985,245
PRINTING MACHINE AND METHOD

Harmon P. Elliott, Watertown, Mass.

Application February 4, 1930, Serial No. 425,779

20 Claims. (Cl. 101—57)



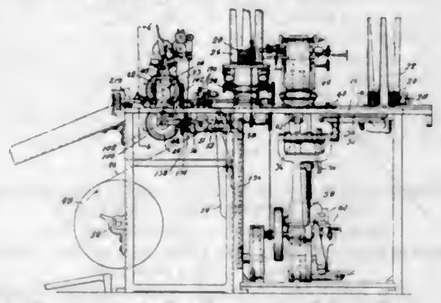
20. A printing machine adapted to make from a paper web a plurality of public service and the like bills which are printed on both sides and have different addresses on one side, comprising addressing mechanism arranged to print repetitions of the same address on the same bill and to shift addresses for a succeeding bill, rotary printing mechanism arranged to print unchanging data on the address-bearing face of all bills and in constant register with the addresses, other rotary printing mechanism arranged to print unchanging data on the opposite face of all bills in the same locality thereon, said rotary printing mechanisms having associated therewith bill-advancing means arranged to pass the bills in succession through their associated printing mechanisms, the bill-advancing means associated with one rotary printing mechanism additionally advancing the bills intermittently through said addressing mechanism and the bill advancing means associated with the other rotary printing mechanism having an intermittent driving engagement with the bills, and web severing mechanism arranged to sever the web into separate bill sheets at such times that the successive sheets are separate when they pass through one of said rotary printing mechanisms.

1,985,246
PRINTING AND ADDRESSING MACHINE

Harmon P. Elliott, Watertown, Mass.

Application November 12, 1931, Serial No. 574,482

31 Claims. (Cl. 101—47)



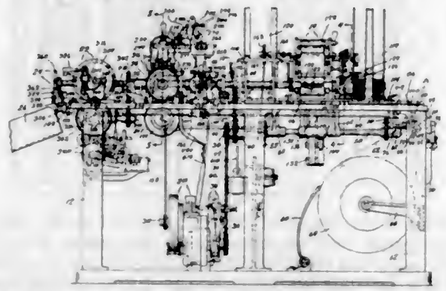
15. Printing mechanism comprising the combination of intermittently-operated addressing mechanism, means for advancing a sheet through said mechanism, means for operating said advancing means to advance the sheet intermittently by steps of equal lengths, and means to convert such advance of the sheet into an intermittent advance by steps of unequal lengths at said addressing mechanism.

1,985,247
BILL PRINTING AND ADDRESSING MACHINE

Harmon P. Elliott, Watertown, Mass.

Application November 12, 1931, Serial No. 574,483

36 Claims. (Cl. 101—47)



15. In a bill printing and addressing machine, addressing mechanism, printing means which acts to advance a sheet in a continuous manner through said mechanism, and means dependent upon the advancing movement of the sheet which converts the continuous advance of the sheet into an intermittent advance by steps of unequal length at said mechanism.

1,985,248
COLORATION OF MATERIALS

George Holland Ellis, Tobias Ockman, and Henry Charles Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 6, 1930, Serial No. 450,308. In Great Britain June 25, 1929

19 Claims. (Cl. 8—5)

1. Process for improving the fastness of colorations on materials, comprising incorporating in the materials at any stage of their manufacture an alkyl derivative of a compound having the formula

$$H_2N-\overset{a}{\underset{\|}{C}}-NH_2$$
$$\underset{R}{}$$

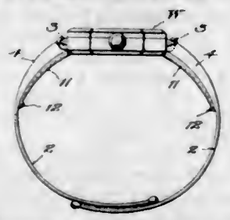
where R represents O, S or NH, and retaining such derivative in the material during subsequent treatment.

1,985,249
WATCH BRACELET

Charles Feid, North Attleboro, Mass., assignor to Harold E. Sweet, Attleboro, Mass., doing business as R. F. Simmons Company, Attleboro, Mass.

Application May 25, 1933, Serial No. 672,762

4 Claims. (Cl. 224—4)



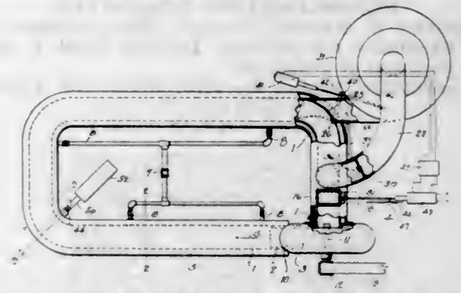
1. In combination with a wrist watch, and a pair of wrist-engaging wings, means to pivotally connect the wings to the respective opposite ends of the watch, a coil spring for each wing of substantially U-shape, a member connected to each wing and engaging in the closed end of the U-shaped spring, a guide member for each spring connected to the wing and extending transversely across the free end portions of the spring to hold the latter from movement away from the wing, a clip connected to each of the free end portions of each of the springs and having a hook-like part, and means whereby to connect each of the hook-like parts to the watch.

1,985,250
MACHINE FOR DRYING AND POWDERING WOOD WASTE

Oliver P. M. Goss and Worth C. Goss, Seattle, Wash., assignors to Carlisle Lumber Company, a corporation of Washington

Application December 20, 1933, Serial No. 703,224

4 Claims. (Cl. 34—34)



1. A drier for a finely divided material comprising a continuous passage confining a gaseous drying medium therein to the exclusion of outside air, means for maintaining the gaseous medium in the passage in circulation at a velocity sufficient to carry a material being dried in suspension therein about the passage, means for maintaining the drying medium at a temperature at which moisture derived from the material in the drying operation will be converted to a dry gaseous state, a separator having connections with the passage and means whereby the circulated stream of drying medium may be diverted through the separator and returned to the passage; thereby to separate the dried material therefrom.

4. A method of drying a finely divided material comprising; admitting the material to be dried into a continuous passage confining a gaseous drying medium to the exclusion of outside air, applying heat to surfaces directly contacted by the gaseous medium to maintain the latter at a temperature whereby moisture derived from the drying of material therein will be converted to a dry gaseous state and causing the drying medium to be circulated in the passage at such velocity that the heat applied to the said surfaces will be dissipated to the drying medium at a maximum rate and the material being dried will be carried in suspension about the passage with the circulated medium.

1,985,251
METHOD AND MEANS FOR DETERMINING THE VELOCITY OF A MOVING BODY

Harvey C. Hayes, Washington, D. C.

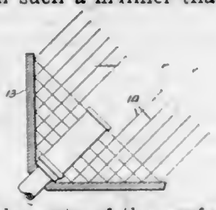
Application November 21, 1928, Serial No. 321,013

14 Claims. (Cl. 177—386)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

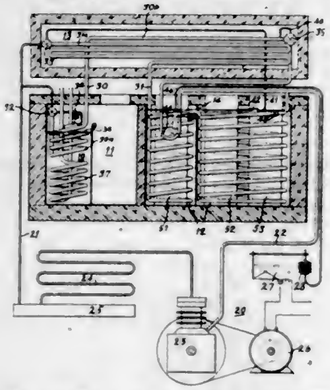
14. In a unidirectional sonic transceiver, in combination, a cylindrical radially vibrating dia-

phragm and a right cone reflector coaxially mounted with respect thereto, with the surface of the cone reflector opposed to the surface of said diaphragm in such a manner that all lines nor-



mal to the elements of the surface of said diaphragm intersect said cone reflector and form an angle equal to one-half of a right angle with the elements of the cone with which they intersect.

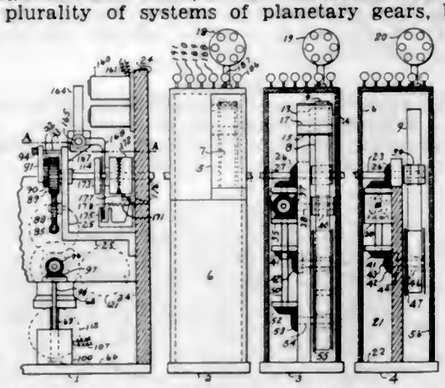
1,985,252
REFRIGERATING APPARATUS
Charles F. Henney, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware
Application August 30, 1930, Serial No. 478,913
Renewed March 17, 1934
4 Claims. (Cl. 62—115)



1. Refrigerating apparatus comprising, in combination, a plurality of evaporators connected in parallel circuit relation; a common exhaust conduit for said evaporators; means for withdrawing gaseous refrigerant from the exhaust conduit, liquefying the refrigerant and returning the liquid to the evaporators; means for permitting and preventing the flow of refrigerant from one of the evaporators to the exhaust conduit; and means for preventing the flow of gaseous refrigerant from said evaporator to the other evaporators when said last named means permits the flow of refrigerant from said evaporator to the exhaust conduit.

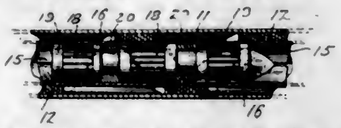
1,985,253
MULTIPLE ACOUSTIGRAPH
Edwin S. Hopkins, New York, N. Y.
Application July 15, 1929, Serial No. 378,538
17 Claims. (Cl. 88—16.2)

1. In a textual strip exhibitor comprising a plurality of exhibitor units with sprocket shafts to a control unit, a control unit therefor comprising a source of power; a common power transmitting shaft to transmit power to such individual units; a planetary gear system intermediate such source of power and such common transmitting shaft, manually operable and adapted to effect changes of selected extent in their angular attitudes; such power transmitting shaft fitted with a plurality of gears, one for each unit; a plurality of sprocket shafts extending between such exhibitor units and such control unit, one for each exhibitor unit; a plurality of systems of planetary gears, be-



tween such transmitting shaft and such exhibitor units, one for each unit, manually operable and adapted to effect changes of desired extents in the angular attitudes of the transmitting shaft and the several sprocket shafts independently.

1,985,254
ELECTRIC GUN OR PROJECTILE PROPELLING APPARATUS
Charles A. Huse, Trenton, N. J., assignor of one-half to H. H. Weaver, New Hope, Pa.
Application June 15, 1933, Serial No. 676,017
12 Claims. (Cl. 172—290)



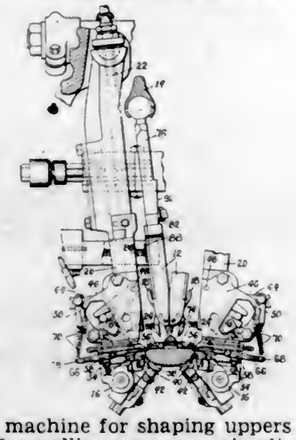
6. Electro-magnetic apparatus having an elongated tubular member that includes a spiral-form stator that establishes a field of force, the spiral enclosing a space, and an element movable longitudinally and rotationally through such space subject to the inductive action of the field.

1,985,255
PROCESS FOR THE PREPARATION OF CRYSTALLINE GLUCONIC ACID
Horace S. Isbell, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce
No Drawing. Application April 10, 1933, Serial No. 665,341
2 Claims. (Cl. 260—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process for the separation of gluconic acid, which consists in seeding an aqueous gluconic acid solution containing 50 to 75% dry substance with gluconic acid crystals, allowing the sirup to crystallize while being subjected to distillation in vacuo at a temperature not to exceed 60° C., and introducing into the solution aqueous gluconic acid at approximately the same rate as the crystalline product separates.

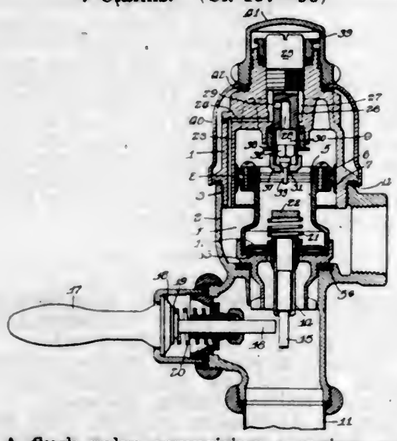
2. Process for the separation of gluconic acid which consists in evaporating an aqueous solution of gluconic acid in the presence of a mineral acid to a concentration of about 75% gluconic acid, and separating crystalline gluconic acid from the aqueous mother liquors.

1,985,256
MACHINE FOR SHAPING UPPERS OVER LASTS
Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 21, 1933, Serial No. 661,897
18 Claims. (Cl. 12—4)



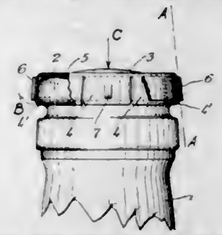
1. In a machine for shaping uppers over lasts, grippers for pulling an upper simultaneously at the opposite sides of a last, means for effecting an initial relative movement of said grippers and the last heightwise of the last to pull the upper, and additional means automatically operative in predetermined time relation to said relative movement to move said grippers widthwise of the last to draw the upper inwardly over the edge of the last bottom in the course of said relative movement.

1,985,257
FLUSH VALVE
Emil J. Kocour, Chicago, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application July 1, 1931, Serial No. 548,151
7 Claims. (Cl. 137—93)



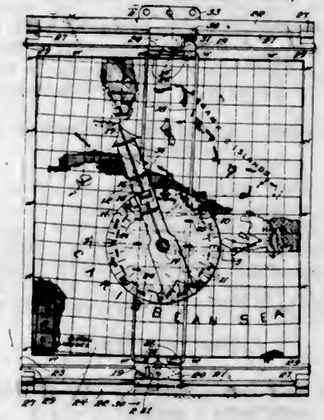
1. A flush valve comprising a casing, a main valve dividing the casing into an upper chamber and a lower chamber, a bypass connecting the lower chamber with the upper chamber, a plug associated with the upper chamber, the bypass extending through the plug and having an enlarged portion therein and a contracted portion, a bypass controller in the enlarged portion of the bypass in the plug and seating on the plug at the end of the contracted portion of the bypass and having a projection which extends through the contracted portion and projects beyond the end of the plug, and an engaging part on the main valve which, when the main valve is moved a predetermined distance, engages the projecting portion of the bypass controller so as to lift it from its seat.

1,985,258
BOTTLE CLOSURE
Wilhelm Mauser, Furth, Germany, assignor to Willy Faltlhauser, Munich, Germany
Application September 6, 1930, Serial No. 480,234
In Germany September 20, 1929
5 Claims. (Cl. 215—95)



1. A closure for bottles, containers and the like comprising the combination of a capsule, the center of which is bowed upwardly when the capsule is secured to the container, said capsule having tongues thereon adapted to open when pressure is applied to the top of the capsule, a reversible annular member the inner face of which is parallel with the axis of said member throughout the width thereof positioned adjacent the tongues of the capsule to prevent spreading of the tongues and projections on the tongues engaging the plain surface of the annular member to prevent removal thereof.

1,985,259
STORM CHART
Rupert B. McIlroy and Leslie E. Baker, Moore Haven, Fla.
Application September 13, 1933, Serial No. 689,309
5 Claims. (Cl. 116—130)



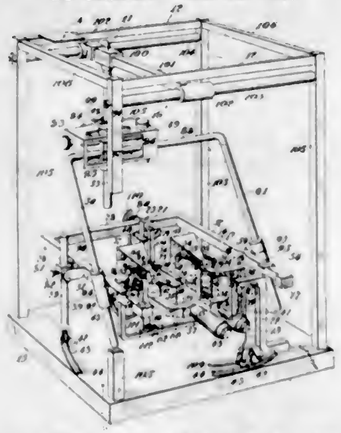
1. A device for the purpose indicated comprising a base having on its upper face a charted geographical area, a disk inscribed with the points of the compass, an indicator having a pivotal mounting on the disk at its center, and means for mounting the disk above the base for movement across the latter between any two oppo-

site edges of the same, the disk mounting means comprising rails disposed adjacent opposite edges of the base, and a frame traversing said rails, the disk being slidably mounted on the frame for movement along the latter toward either of said rails, the frame having a sliding mounting on said rails.

1,985,260

STEREOSCOPIC PLOTTING OF CONTOUR MAPS

Osborn M. Miller, New York, N. Y.
Application June 3, 1930, Serial No. 459,063
14 Claims. (Cl. 33—20)



1. A unit for use in drawing a map from a photograph including an eyepiece, a mirror set at an angle and including a pinhole, a system of lenses adapted to deliver rays parallel at the mirror so as to focus at the eyepiece, a camera adapted to hold a photograph, a lens in the camera for viewing the photograph, means for holding the camera turned on its axis, means for holding the camera tilted sideways, and means for holding the camera tilted endwise, so as to set the plane of the camera relative to the axis of sight through the pinhole.

1,985,261

COMPOUNDING RUBBER AND THE LIKE

John J. O'Hare, North Brookfield, Mass., assignor to American Rubber Products Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 19, 1932, Serial No. 629,502
3 Claims. (Cl. 106—23)

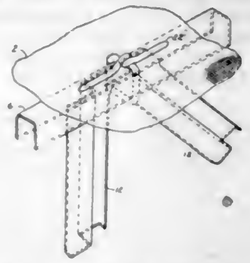
1. As a new article of manufacture, a solid vulcanized compound composed of rubber stock, a filler, and a flux comprising stearic acid, paraffin and cumar resin, said flux ingredients being in the proportions of approximately 8.65 parts by weight of cumar resin, 5.0 parts by weight of stearic acid and 1.35 parts by weight of paraffin.

1,985,262

METHOD AND MEANS FOR CONSTRUCTING AIRCRAFT STRUCTURES

Jean Alfred Roché, Dayton, Ohio
Application November 14, 1930, Serial No. 495,650
3 Claims. (Cl. 244—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A means of attaching the covering surface to a frame element in airplane wing construction comprising a staple having its legs disposed about a portion of said covering surface and said frame element and jointed together at their interme-

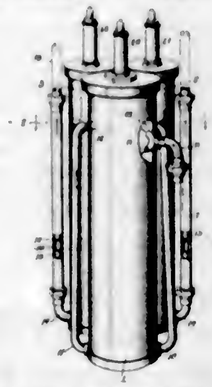


diate portions to form a loop and having portions laterally disposed with respect to the plane of said staple for reinforcing said covering surface.

1,985,263

LIQUID COOLING APPARATUS

Leo Samel, Irvington, N. J.
Application November 3, 1933, Serial No. 696,582
9 Claims. (Cl. 225—40)



1. A liquid cooling apparatus comprising a main container, a plurality of auxiliary containers, means providing communication between the bottom of the main container and the top portion of the respective auxiliary containers, means for directing liquid into the main container, a pipe for directing liquid from the bottom of the auxiliary containers, a housing surrounding and spaced from said pipe, said housing acting in the double capacity of protecting means and insulating means, and a vent valve provided at the highest point in each of said containers.

1,985,264

PROCESS OF COMBINING HARDENABLE PHENOL ALDEHYDE CONDENSATION PRODUCTS AND AIR DRYING OILS

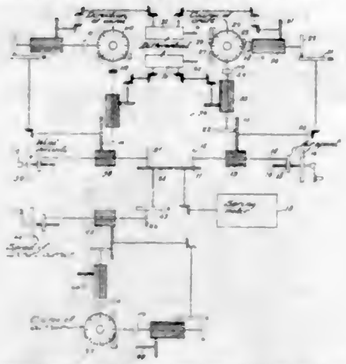
Fritz Seebach, Erkner, near Berlin, Germany, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany
No Drawing. Application June 20, 1931, Serial No. 545,839. In Germany July 7, 1930
7 Claims. (Cl. 260—4)

1. Process of preparing compositions from a hardenable phenol aldehyde resinous condensation product and a fatty oil which comprises heating the phenolic product substantially in the A state with wood oil in cyclohexanol and in the presence of iodine.

1,985,265

AIRCRAFT NAVIGATIONAL INSTRUMENT

Robert Hall Smith, United States Navy
Application April 2, 1932, Serial No. 602,848
5 Claims. (Cl. 73—151)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

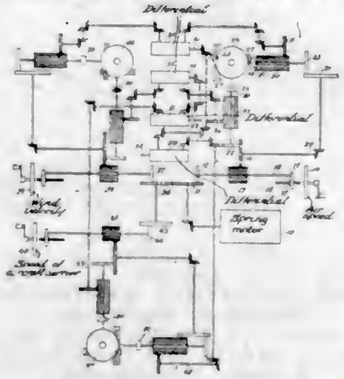


1. A navigational instrument comprising means producing a first motion proportionate to the speed of an aircraft, means producing a second motion proportionate to the velocity of the wind, means resolving each motion into two mutually normal vectors, means algebraically combining the respective parallel vectors, a first indicator, means positioning said indicator in accordance with the resultant of the two vector movements, means producing a motion proportionate to the speed of a reference vessel, means resolving said motion into two mutually normal vectors, a second indicator, means positioning said second indicator in accordance with the resultant of said last two vectors, and means jointly controlled by said two indicators for giving the course from one to the other, all vectors being to substantially the same scale.

1,985,266

AIRCRAFT NAVIGATIONAL INSTRUMENT

Robert Hall Smith and John P. W. Vest, United States Navy
Application April 7, 1932, Serial No. 603,837
3 Claims. (Cl. 73—151)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A navigational instrument, comprising means for producing a first, second and third motion, means mechanically cooperating with said first named means for varying each of said three motions, means mechanically cooperating with said first named means for associating with each of said motions a separate predetermined direction causing them to be resolved into motions proportional to components along mutually normal X and Y axes, means mechanically cooperating with said first named means for algebraically combining the X components and the Y components of the first and second motions, means mechanically cooperating with said first named means for combining the X component and the Y component of said third motion in opposite sense with said corresponding combined X and Y components of said first and second motions, a first and second wire substantially at right angles to each other, means mechanically cooperating with said combining means for causing said first wire to move parallel to itself as a function of said combined X components, and means mechanically cooperating with said combining means for causing said second wire to move as a function of said combined Y components whereby the intersection of said first and second wires moves as a function of the resultant of the three motions combined as described above.

1,985,267

PROCESS OF DEPILATING HIDES

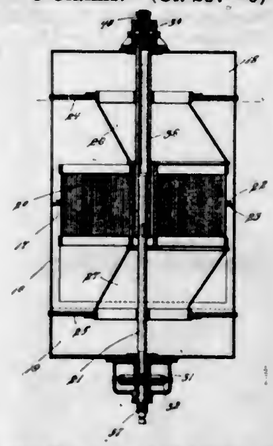
Leo Wallerstein, New York, and Julius Pfannmuller, Stapleton, N. Y., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1929, Serial No. 352,044
4 Claims. (Cl. 149—2)

1. The method of depilating or dehairing hides which consists in subjecting the hide to a bath of bacterial enzymatic liquor produced by growing under sterile culture conditions aerobic spore forming bacteria containing formaldehyde and pine oil, which bath acts to loosen the hair without substantially weakening or attacking the leather forming constituents of the hide.

1,985,268

PREHEATER CONSTRUCTION

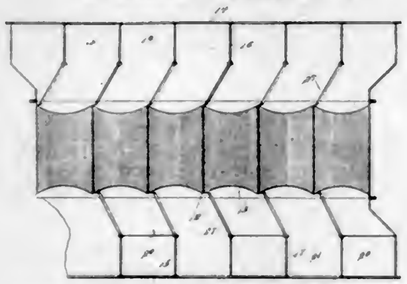
William D. Yerrick, Wellsville, N. Y., assignor to Air Preheater Corporation, a corporation of New York
Application February 5, 1931, Serial No. 513,658
3 Claims. (Cl. 257—6)



1. In a preheater unit, a casing of generally rectangular formation, horizontal partitions dividing said casing into four superimposed chambers, regenerative material positioned in the interme-

diate chambers and having passages therethrough, rotatable valves in the intermediate chambers communicating said upper and lower chambers, with each other through selected passages in the regenerative material, a tubular shaft connected to the upper valve, a solid shaft connected to the lower valve and keyed to said tubular shaft, means for operating said valves, longitudinally disposed flow conduits connected to the upper and lower chambers, and laterally disposed flow conduits connected to the intermediate flow chambers.

1,985,269
PREHEATING APPARATUS
William D. Yerrick, Wellsville, N. Y., assignor to Air Preheater Corporation, a corporation of New York
Application February 5, 1931, Serial No. 513,659
4 Claims. (Cl. 257—6)



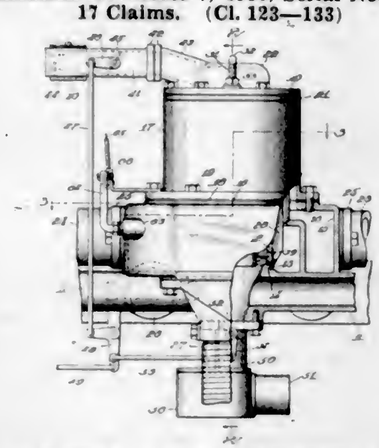
1. In an air preheater, a casing, a plurality of adjacent heat transfer chambers in said casing separated by partitions, a plurality of air flow chambers and gas flow chambers mounted in alternate adjacency on each side of said heat transfer chambers and separated by standards, swinging guide vanes mounted on said flow chamber standards and engageable with said separating partitions for alternately guiding the air and the gas through selected heat transfer chambers, mechanism for intermittently swinging said guide vanes, and means on at least some of said swinging vanes for scavenging said heat exchange chambers.

1,985,270
WINDOW SCREEN
Albert P. Zeller, Baltimore, Md.
Application February 6, 1934, Serial No. 709,906
3 Claims. (Cl. 156—14)



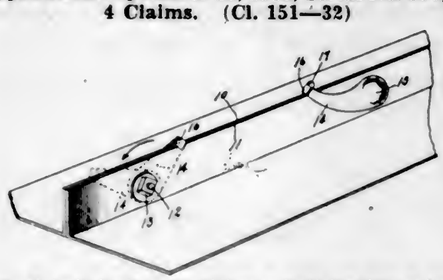
1. A stationary window screen frame comprising sections having projecting wedgelike portions, each with an enlarged head theron, and recesses structurally corresponding to receive and separably hold said first-mentioned portions and coact therewith to make the frame knock-down in adaptability.

1,985,271
CARBURATION SYSTEM
Maurice Joseph Zucrow, Chicago, Ill., assignor to The Paragon Vaporizer Corporation, Chicago, Ill., a corporation of Illinois
Application November 7, 1930, Serial No. 494,083
17 Claims. (Cl. 123—133)



1. In a device of the character described, a conduit leading to the intake manifold of an internal combustion engine, said conduit being annular in section, means for heating the outer wall of the conduit, and a plurality of helicoidal vanes in the annular space to guide the flow of the stream in the conduit in a plurality of paths.

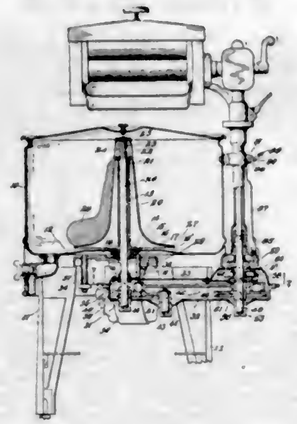
1,985,272
BOLT LOCK
Frederick J. Adams, Philadelphia, Pa.
Application September 26, 1933, Serial No. 690,969
4 Claims. (Cl. 151—32)



1. A bolt lock comprising a bolt having a head, an arm of sheet material extending from the head, and a return bend formed at the end of the arm.

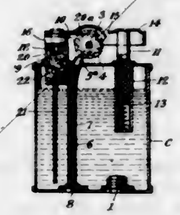
1,985,273
DRIVING AND CLUTCH MECHANISM FOR WASHING MACHINES
Alpheus W. Altorfer, Peoria, Ill.
Application May 18, 1932, Serial No. 611,982
2 Claims. (Cl. 259—101)

1. In a washing machine having a container, an agitator therein, an agitator shaft projecting through the bottom of the container, a second shaft disposed adjacent the side of the container, power driven means for imparting a reciprocatory movement to the agitator shaft and for driving said second shaft in a continuous manner, and a clutch on the constantly driven shaft for controlling the movement imparted to the agitator shaft and mechanism for actuating the



clutch associated with the constantly driven shaft and adapted to be driven thereby to actuate the clutch, and a manually operated member for controlling the powered clutch actuating mechanism, said member being responsive to a comparatively slight pressure by the operator.

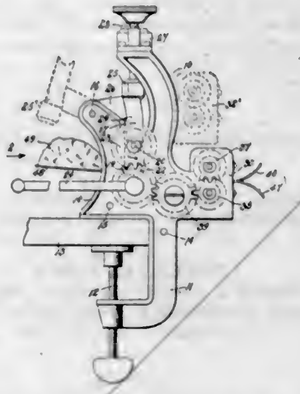
1,985,274
PYROPHORIC LIGHTING MECHANISM
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application December 9, 1932, Serial No. 646,385
11 Claims. (Cl. 67—7.1)



8. In pyrophoric lighting machanism, a casing adapted to have fuel disposed therein, a chamber adapted to receive fuel from said casing, a pivoted snuffer member, and means carried thereby for receiving a charge of fuel from said chamber.

1,985,275
NOODLE MACHINE
Ralph Baccellieri, Philadelphia, Pa.
Application October 25, 1933, Serial No. 695,103
2 Claims. (Cl. 107—22)

2. In a noodle making machine, a frame, a pair of pressing rollers mounted to rotate in the frame, said frame embodying a hook defining a slot, a shearing unit comprising a pair of cheek plates, a pair of shafts journaled in the cheek plates, said shafts carrying rollers each comprising a plurality of disks, the width of the disks of one roller being equal to the interval between the disks of the coacting roller, said cheek plate and roller being properly proportioned to provide for



the insertion of the shafts into the slot provided by the hook.

1,985,276
MEANS FOR ILLUMINATING SWITCH-HANDLES
Leon S. Brach, East Orange, N. J.
Application July 16, 1932, Serial No. 622,850
2 Claims. (Cl. 200—167)



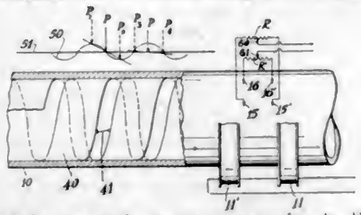
1. Illuminating means for a switch-handle, including a hollow handle at least some portion of which will pass light rays, a metallic frame, a switching member pivotally mounted on said frame and having means to receive said handle, a bulb socket carried by said member and electrically connected to said frame, a flexible contact carried by the pivot pin, an inert, gas-filled bulb carried by said socket and having terminals adapted to engage said socket and flexible contact on the pivot pin, said bulb having a pair of spaced electrodes therein connected to the bulb terminals and capable of being connected without change directly across any low voltage circuit, said bulb extending into the hollow handle, and at least one high resistor arranged to be connected in series through said pin and flexible contact carried thereby with said electrodes when the same are energized.

1,985,277
FLAW DETECTOR FOR TUBULAR CONDUCTORS
Fred D. Braddon, Eltingville, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application October 28, 1933, Serial No. 695,612
9 Claims. (Cl. 175—183)

1. In a flaw detector for electrical conductors, means for passing current therethrough, a plurality of spaced potential contact means adapted to be moved with respect to said conductor, each

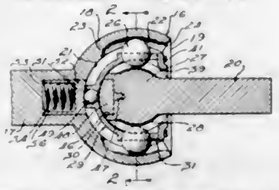
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of said potential contact means having means for averaging the potential drop over a predeter-



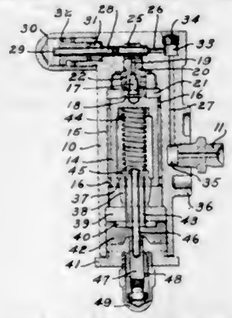
mined distance and means responsive to the difference between said average potentials.

1,985,278
UNIVERSAL JOINT
Merrill I. Bradley, Detroit, Mich.
Application November 4, 1932, Serial No. 641,273
15 Claims. (Cl. 64—91)



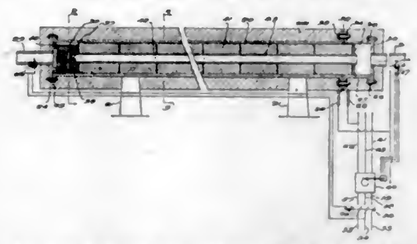
1. A universal joint comprising a pair of shaft sections having a socket and an internally disposed ball at the adjacent ends thereof, a cage between said ball member and socket, said cage comprising cylindrical and semi-spherical portions, a plurality of balls mounted in openings formed in said cylindrical portion, said balls being mounted for rotation in longitudinal slots formed in the adjacent surfaces of said socket and ball member, and a ball mounted in an axial opening formed in said cage for maintaining the latter in operative position relative to said ball member and socket.

1,985,279
FLUID CONTROL VALVE
Charles R. Buller, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 19, 1934, Serial No. 735,929
12 Claims. (Cl. 137—153)



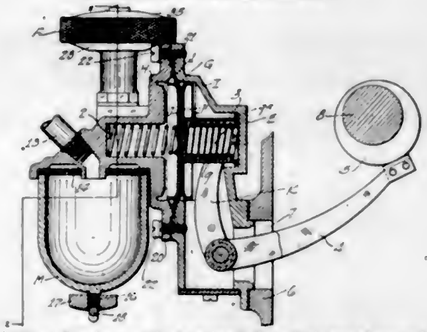
1. A fuel control device, comprising, a casing having a bore, a plunger movable along said bore in spaced relation thereto, means for delivering liquid under pressure to the space between said plunger and said bore, a needle carried by said plunger for normally controlling the discharge of liquid from said space, a normally fixed plug having a tapered portion cooperable with said plunger to permit escape of liquid from said space when the pressure therein reaches a predetermined value, and a spring acting upon said plunger in opposition to the fluid pressure within said space.

1,985,280
ELECTRIC FLUID HEATER
Robert A. Carleton, Brooklyn, N. Y., assignor to National Electric Heating Company, Inc., New York, N. Y., a corporation of New Jersey
Application September 12, 1931, Serial No. 562,541
21 Claims. (Cl. 219—39)



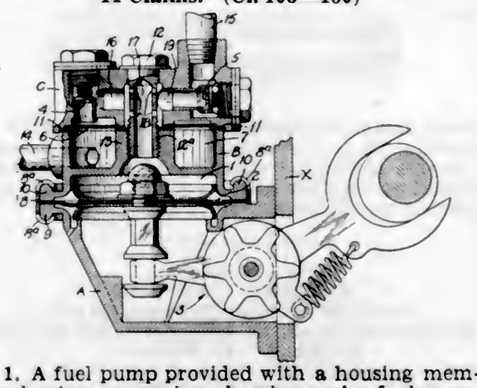
1. An apparatus for heating fluids to high temperature under high pressure, comprising a rigid tubular casing capable of withstanding the pressure to be used, an electrical conducting tube within said casing for conducting the fluid to be treated through the casing, connections for supplying electric current to said tube to heat it to a high temperature, and means to equalize the pressure inside of said tube and inside of said casing.

1,985,281
PUMP FOR LIQUID FUEL SUPPLY SYSTEMS
William C. Carter, Flint, Mich.
Application February 23, 1928, Serial No. 256,720
2 Claims. (Cl. 103—150)



1. In a fuel supply system for internal combustion engines, the combination of a carburetor float chamber, a pump provided with a flexible non-metallic diaphragm that forms one wall of a pumping chamber, into and out of which fuel is drawn and discharged by the movement of said diaphragm, an inlet valve for said float chamber that controls the discharge of fuel from the said pumping chamber, two springs of different strength or force arranged at opposite sides of the diaphragm for moving the diaphragm back and forth, and a constantly operating engine driven means that moves first in one direction to store up energy in said stronger spring and then moves in the opposite direction to permit said stronger spring to expand and simultaneously compress the weaker spring, thereby imparting a discharge stroke to the diaphragm, said springs being of such tension that when the discharge of fuel from the pumping chamber is momentarily interrupted in the normal functioning of the carburetor said diaphragm will remain at rest, notwithstanding the fact that said constantly operating engine driven means continues in operation.

1,985,282
DIAPHRAGM PUMP
William C. Carter, Flint, Mich.
Application, March 30, 1934, Serial No. 718,106
11 Claims. (Cl. 103—150)



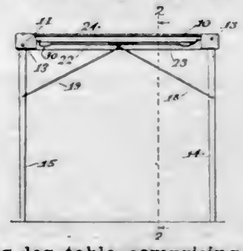
1. A fuel pump provided with a housing member having a pumping chamber and a fuel reservoir separated from each other by a web part of said housing member, a passage through which fuel travels from the fuel reservoir to the pumping chamber, a diaphragm that forms one wall of said pumping chamber, said fuel reservoir being adapted to receive fuel from a source of supply, an inlet valve which controls the passage of the fuel from said fuel reservoir to said pumping chamber, and a removable cap or cover for said fuel reservoir mounted on the exterior of said housing member so as to be easily accessible, said inlet valve being mounted on said cap so as to be removable with the same.

1,985,283
PUMPING MECHANISM
Harold B. Cochrane and Ulrich Sprinchorn, Jamestown, N. Y., assignors of one-third to George B. Pitts, Jamestown, N. Y.
Application June 1, 1932, Serial No. 614,686
14 Claims. Cl. 103—5)



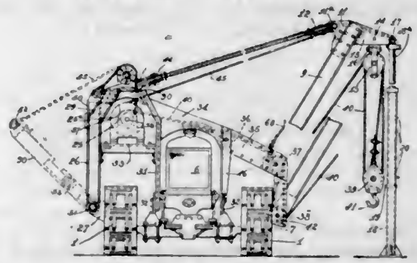
1. In a liquid raising apparatus, the combination with a suction pump having an intake, of a liquid conduit connected to said intake and leading downwardly, the lower end of said conduit being adapted to be disposed below the level of a body of the liquid to be raised, said conduit including a casing intermediate the ends thereof, a valve on the lower end portion of said conduit, an air inlet provided in the upper portion of said casing, a valve in said inlet, a receptacle movably mounted in said casing and arranged to receive the lower end of that portion of the conduit extending upwardly from said casing, said receptacle being arranged to be elevated by the rise of the liquid drawn into said casing and to be lowered by the weight of the liquid overflowing thereinto, and operating connections between said receptacle and said last mentioned valve arranged to close said valve when said receptacle moves upwardly and to open said valve when it moves downwardly.

1,985,284
FOLDING TABLE
Roy O. Cuffel, Los Angeles, Calif.
Application July 29, 1933, Serial No. 682,814
6 Claims. (Cl. 311—87)



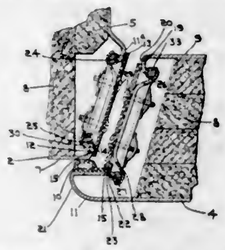
1. A folding leg table comprising a top, two pairs of legs pivotally connected to said top and arranged to fold one upon the other, a locking mechanism including a pair of pivoted latches mounted on the underside of said top, braces pivotally connected to the legs of each pair, a pair of guide rods secured to the underside of said top for guiding the braces into engagement with latches of said locking mechanism when each pair of said legs are fully extended, one of said guide rods having an abutment formed thereon for preventing improper closing of said legs so that they may be only folded one on the other in overlapping relation.

1,985,285
SIDE-MOUNTED DERRICK FOR TRACTORS
Nicholai M. Erdahl, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Application May 12, 1932, Serial No. 610,850
4 Claims. (Cl. 212—49)



1. In combination, a vehicle, a derrick boom mounted thereon and adjustable to extend laterally beyond the ground-engaging base of the vehicle, and a counter-weight fulcrumed on a horizontal axis at one side of the vehicle and extending upwardly therefrom but adapted to swing outwardly about said axis for extension in the opposite direction from the boom, said counter-weight being relatively thin in the direction of its swinging movement, so that when folded up against the side of the vehicle said counter-weight and parts associated directly therewith extend laterally from the vehicle by a relatively small amount.

1,985,286
REFRIGERATION APPARATUS
Gregg F. Forsthoefel, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application December 31, 1931, Serial No. 584,227
13 Claims. (Cl. 20—35)

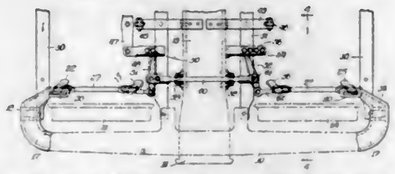


1. In a refrigerator cabinet construction, inner and outer metallic walls separated by heat-insulating material and provided with margins having outer and inner seat portions, a non-hygroscopic and heat-insulating strip overlapping and seated against the outer seat portions, and spring means carried by the strip and cooperating with said inner seat portions to maintain the strip seated.

1,985,287
PRODUCTION OF FAST DYEINGS ON TEXTILE FIBERS
Norman Hulton Haddock, Prestwich Park North, Prestwich, and Colin Henry Lumsden, Thornton Gate, Gatley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 22, 1932, Serial No. 607,008. In Great Britain April 29, 1931
14 Claims. (Cl. 8—5)

1. Process for the production of fast dyeings on textile fiber by applying to the fiber an o-aminoanthraquinonylthioglycollic acid and lactamizing this by treatment with dilute mineral acid at an elevated temperature.

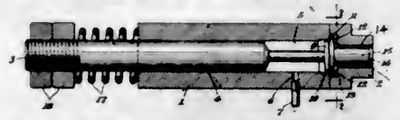
1,985,288
CAR TRUCK
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 7, 1931, Serial No. 555,797
42 Claims. (Cl. 188—56)



1. In a truck frame, the combination of a side frame member, sloping ends formed on said side member, brackets integral with said sloping end portions and being spaced from the side member and extending inwardly towards each other.

1,985,289
INJECTOR FOR INTERNAL COMBUSTION ENGINES
Frederick G. Hehr, Sayville, N. Y., assignor to Aerol Engine Corporation, Newport, R. I., a corporation of New York
Application July 18, 1932, Serial No. 623,099
7 Claims. (Cl. 299—107.6)

1. An injector comprising in combination a primary valve seat and a secondary valve seat, said secondary seat being provided with tangential grooves to allow for the passage and direction of fluid, a plunger having a valve head positioned between said valve seats and adapted to seat on either one of said seats and movable therebe-



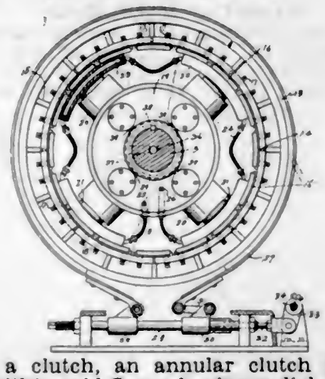
tween and means acting on said head to hold it partially off said secondary valve seat to provide a bypass of variable extent around said grooves depending upon the position of said head with respect to said secondary valve seat.

1,985,290
TEARING STRIP CAN
Harold Hildebrandt, Tacoma, Wash.
Application March 18, 1932, Serial No. 599,711
9 Claims. (Cl. 220—53)



1. A can of the character described having a closure member at one end secured to the body in a double seam; said seam having lines of scoring in the outer fold thereof setting off a continuous tearing strip encircling the can.

1,985,291
CLUTCH FOR DRAW WORKS
Lester E. Hodges, Houston, Tex.
Application May 19, 1931, Serial No. 538,455
3 Claims. (Cl. 192—113)

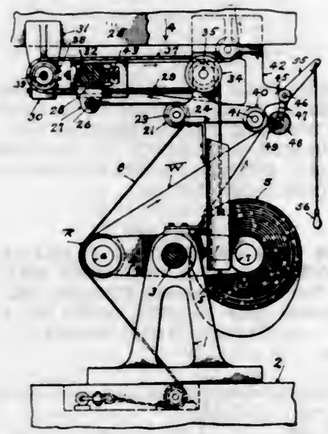


1. In a clutch, an annular clutch flange, a clutch within said flange having radial cylinders, plungers in said cylinders, a series of clutch members on the outer ends of said plungers having arcuate outer faces arranged to frictionally engage the flange, the members of said series having internal chambers and flexible tubes connecting said chambers.

1,985,292
WEB ROLL CONTROLLING MECHANISM
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, temporary trustee
Application October 22, 1927, Serial No. 227,913
18 Claims. (Cl. 242—75)

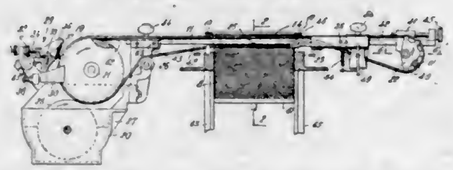
1. Web roll controlling mechanism having in combination a rotatable support for supporting

a running web roll and a spare web roll, friction means for controlling the rotation of the running roll, a controller engaging the web and movable with a straight line movement on variations in the web tension, and mechanical connections between the controller and the friction means for operating the latter.



15. Web controlling mechanism including in combination, means for rotatably supporting a web roll, a plurality of friction straps pressed into engagement with the periphery of the web roll to tension the web drawn therefrom and means interconnecting said straps for equalizing their pressure against the roll.

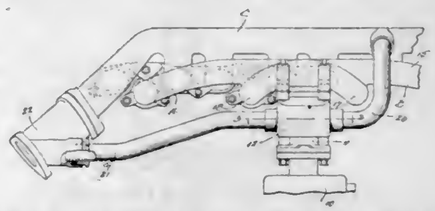
1,985,293
PASTE APPLYING MECHANISM
Wallace D. Kimball, Jackson Heights, N. Y., assignor to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Application August 20, 1932, Serial No. 629,569
8 Claims. (Cl. 91—54)



3. In an adhesive-applying mechanism, an endless belt consisting of a helix of resilient metal wire, means for applying a surplus of adhesive to the belt, means for removing therefrom all said adhesive except that retained by capillarity within the spaces between the convolutions of said belt, means for wiping the belt over the surface to which the adhesive is to be applied, and means for stretching the belt to increase its adhesive-carrying capacity.

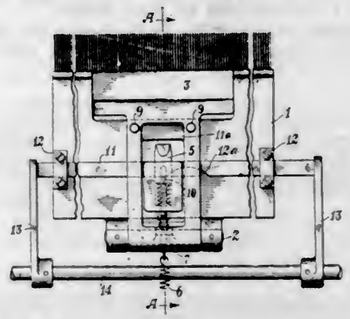
1,985,294
INTERNAL COMBUSTION ENGINE
Oscar C. Kreis, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application January 21, 1929, Serial No. 333,793
26 Claims. (Cl. 123—52)

1. In an internal combustion engine, fuel mixture supply means, an intake manifold having a distributing portion, means for applying heat to said portion, said intake manifold having a plurality of branches extending beyond the influence of the distributing portion heating means and delivering the fuel mixture from the said distributing portion to the engine, some of said branches being relatively longer than others, and means



applying heat to said longer branches whereby to provide a delivery of the fuel mixture from the various branches at substantially uniform temperature.

1,985,295
FLAT KNITTING MACHINE
Karl Willi Lieberknecht, Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y., a corporation of New York
Application January 24, 1933, Serial No. 653,270
In Germany February 19, 1932
4 Claims. (Cl. 66—114)

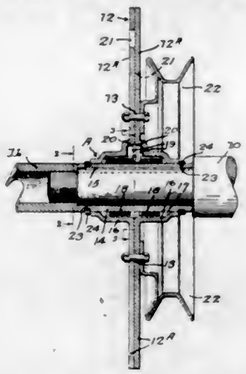


1. In a flat knitting machine having a presser bar, a needle bar supporting spring beard needles and having a section thereof which is swingable out of knitting position, means for maintaining said swingable section in an aligned position with the other sections of the needle bar, means for retracting said last mentioned means to release said swingable section from its aligned position, and additional means to maintain said swingable section in an aligned position with respect to the other sections of the needle bar in such a manner when said first-mentioned maintaining means is retracted, that the beards of the needles thereof will not close when the needles of all the needle bar sections are pressed against the presser bar in a knitting operation of the machine but will realign themselves with the beards of the other needles when the pressing off operation with respect to the other needles is completed.

1,985,296
ENGINE
Andre J. Meyer, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application April 30, 1930, Serial No. 448,692
8 Claims. (Cl. 74—574)

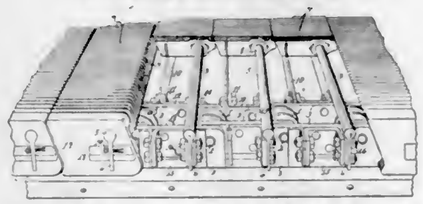
2. A vibration damper for engine crankshafts, comprising a driving hub member fixed to the crankshaft, an inertia member and a pair of oppositely wound coil springs surrounding said driv-

ing hub and each having one end fixed to the inertia member and the other end yieldingly en-



gaging the hub to provide a yielding driving connection between the hub and inertia member.

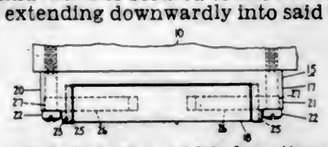
1,985,297
CHAIN GRATE STOKER
Alfred Edward Parker, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application October 12, 1929, Serial No. 399,143
In Great Britain December 6, 1928
5 Claims. (Cl. 110—40)



1. In a chain grate stoker-fired furnace, an endless grate frame comprising a series of pivotally connected links at opposite sides of said frame, rigid transversely extending plates connected to pairs of corresponding links at the opposite sides of said frame and projecting beyond the outer sides of said links, a series of transversely extending rows of fuel supporting grate bars carried by said plates, and grate sealing members each having a flat outer side mounted on and substantially flush with the projecting portion of each of said plates, a recess in said flat outer side, and means in said recess for detachably connecting each grate sealing member and the corresponding plate, said sealing members coacting with an adjacent furnace wall structure to provide an ash receiving pocket along the side of said stoker, the grate sealing members capping the rigid plates to hold their grate bars in their operative positions.

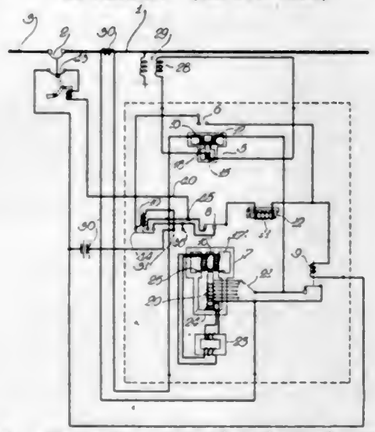
1,985,298
GUIDING MEANS FOR DOORS
Arthur Ennis Prince, Merrick, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application April 14, 1932, Serial No. 605,217
4 Claims. (Cl. 16—93)

1. In an elevator door assembly in which the door is supported from the top for horizontal sliding movement and in which means are arranged in the sill beneath the door to provide a channel extending in the direction of movement of the door, a guide shoe for operation in said channel to guide the door at the bottom, said guide shoe comprising a non-metallic guide member, a support for said member secured to the bottom of the door and extending downwardly into said channel,



said support being of a width less than that of said channel, resilient means for moving said member outwardly into engagement with one side of said channel, and means for maintaining the parts of said shoe in assembled relation upon its removal from said channel.

1,985,299
MEANS FOR OBTAINING DIRECTIONAL CONTROL ON A CURRENT RELAY
Jonas J. Samson, Chicago, Ill.
Application May 15, 1933, Serial No. 671,101
11 Claims. (Cl. 175—294)



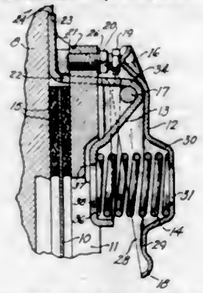
1. An alternating current system wherein there is provided a contact controlling power directional element and an inverse time overload current element and a line circuit breaker is arranged to be tripped by the joint action of the two elements, characterized in that there is provided a relay short circuiting a controlling portion of the inverse time overload current element and there is provided a source of potential controlling the relay in a circuit under control of the power directional element and of a magnitude sufficient to break down any film of impurities that may form on the contacts of said directional element.

1,985,300
METHOD OF EMBOSSING
Louis E. Shaw, East Orange, N. J., assignor to Adartcraft, Incorporated, New York, N. Y., a corporation of Delaware
Application March 4, 1931, Serial No. 520,067
7 Claims. (Cl. 101—32)



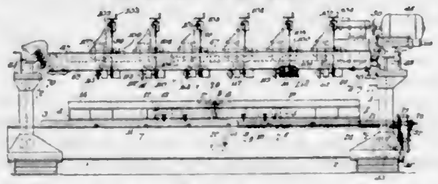
1. The method of embossing which comprises corrugating a flat sheet without increasing the surface area thereof, placing the corrugated sheet in an embossing die and embossing said sheet to re-form the corrugations into embossings of different nature and form and with substantially smooth unbroken surfaces.

1,985,301
FRICTION CLUTCH
Carl A. Thelander and W. Vincent Thelander, Rockford, Ill.
Application October 10, 1932, Serial No. 637,070
16 Claims. (Cl. 192—68)



1. In a clutch comprising a flywheel constituting the driving element, and a clutch disk constituting the driven element, a pressure plate for holding the clutch disk frictionally engaged with the flywheel, said flywheel having a circular shoulder projecting from the back thereof concentric with the axis of flywheel rotation, a plurality of separate and independent lever supporting brackets arranged to be detachably secured to the flywheel in equally circumferentially spaced relation, said brackets each having an arcuate portion of the same radius as the aforesaid shoulder for abutment with said shoulder for location of the brackets in centered relation to the flywheel, means for detachably securing said brackets to the flywheel, a plurality of levers for communicating movement to the pressure plate pivotally mounted on said brackets, and spring means tending normally to move said plate forwardly for engagement of the clutch, said levers being adapted to be moved manually for disengagement of the clutch, the pressure plate having a plurality of radially projecting lugs provided thereon in equally circumferentially spaced relation, said brackets being formed to receive said lugs so as to locate the brackets in equally spaced relation and facilitate assembling of the brackets on the flywheel, the said lugs serving moreover as a means of transmitting drive to the pressure plate from the flywheel through the brackets, and as a means of guiding said presure plate for movement toward and away from the flywheel in the engagement and disengagement of the clutch.

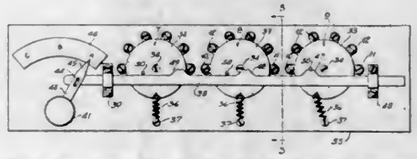
1,985,302
APPARATUS FOR KERFING BLOCKS FOR PRINTING
Edward F. Tretbar, Jr., Camden, N. J.
Application March 9, 1932, Serial No. 597,661
14 Claims. (Cl. 144—133)



1. In apparatus of the character described, a work table, means for moving said work table step by step and comprising a pawl and ratchet mechanism, a fulcrumed lever connected with said pawl and ratchet mechanism, a crank adjustably connected with said lever, and a motor for operating said crank, the motor being affected by means moving its movable element oppositely to the movement of the element by its controlled motor-actuating force.

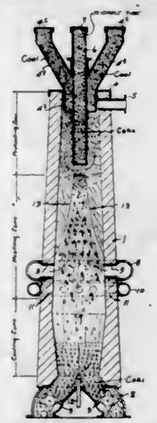
14. A cutting machine comprising work and cutter supports, cutting means on said cutter support capable of effecting cuts spaced a given distance apart, and means responsive to relative movement of the supports for effecting relative movement between the supports by a given distance, one of said distances being equal to a division of the other.

1,985,303
SELECTIVE FILTER SYSTEM
Arthur M. Trogner, Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Original application May 26, 1931, Serial No. 540,035. Patent No. 1,894,645, dated January 17, 1933. Divided and this application April 14, 1932, Serial No. 605,171
6 Claims. (Cl. 200—5)



6. The combination of an electrical organization, a plurality of switches for controlling said organization, each of said switches comprising a plurality of radially disposed individual contacts and a single rotatable contact therefor and means for rotating said single contacts sequentially to simultaneously engage all of the individual contacts of each of said switches in a predetermined sequence.

1,985,304
COKING RETORT
Arthur Woodward Warner, Media, Pa., assignor to Isbell Porter Company, Newark, N. J., a corporation of New York
Application October 27, 1931, Serial No. 571,332
2 Claims. (Cl. 202—262)



1. The combination with a vertical retort, of a feeding enclosure device mounted on the top thereof, including a pair of telescoped conduits having their discharge ends longitudinally displaced, the inner conduit being longer than and slidable telescopically within the outer conduit, residue discharge mechanism at the bottom of the retort, tuyères discharging into the retort inter-

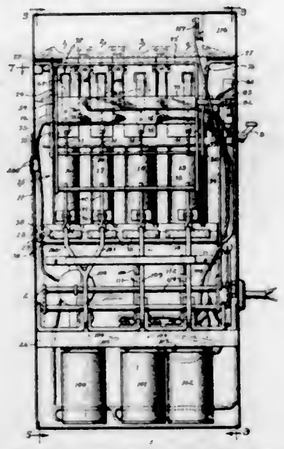
mediate the ends thereof, and a gas outlet connection for the retort positioned to withdraw gas therefrom at a point above the discharge end of the inner conduit of the telescoped conduits.

1,985,305

FARE REGISTERING AND CHANGE MAKING MACHINE

Edwin W. Wilson, Chicago, Ill., assignor to Louis L. Valentine, Chicago, Ill.

Application February 9, 1932, Serial No. 591,785
11 Claims. (Cl. 194—7)



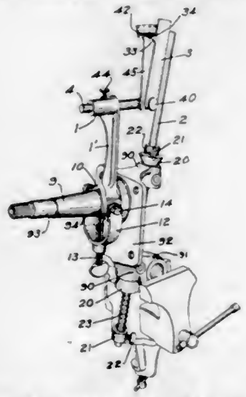
1. In a change making machine, chutes for receiving deposited coins of different denominations, chambers for receiving the deposited coins after passing through said chutes, a window for said chutes, and means for retaining each coin as deposited at said window and for releasing it therefrom for passage into a chamber upon the deposit of another coin in any one of said chutes.

1,985,306

SPINDLE AND KING PIN GAUGE

Claude C. Bennett, Seattle, Wash., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington

Application April 11, 1933, Serial No. 665,567
6 Claims. (Cl. 33—203)



1. A gauge for measuring the relative inclination of an automobile spindle relative to the axis of the associated king pin holes, comprising a contact bar, means for supporting the same in a definite relationship to the spindle axis, a frame, means for maintaining the same in a definite position corresponding to the inclination of the king pin axis, a contact plate adapted to contact with said contact bar, to be thereby brought into a definite position relative to the spindle axis, indicating means comprising an index scale and a gauge finger, one movable relative to the other, and an operative connection between one member of the indicating means and said contact plate, and between the other member and said frame.

1,985,307

ADJUSTABLE RUBBER ERASER FOR LEAD PENCILS

William F. Boast, Casper, Wyo.

Application November 13, 1933, Serial No. 697,734
1 Claim. (Cl. 120—38)



An adjustable eraser device, comprising, in combination, a rod-like holder having one end provided with a transversely extending notch, an eraser having one end wedge-shape and inserted into the notch and a tubular sleeve surrounding the eraser and the notched end of the holder, the sleeve having internal threads which are so dimensioned that they will indent the outer surface of the holder to form a threaded engagement therewith, the outer end of the sleeve having a cylindrical portion whose inside diameter is the same as the inside diameter of the threaded opening, the diameter of the eraser being substantially equal to the inside diameter of the cylindrical portion whereby the latter will steady the eraser.

1,985,308

ELECTROPLATING OF ARTICLES WITH CHROMIUM

Oscar Bornhauser, Strasbourg (Bas - Rhin), France, assignor to Société d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France

No Drawing. Application July 28, 1933, Serial No. 682,707. In France July 29, 1932
7 Claims. (Cl. 204—1)

1. In chromium plating, in combination, the application as electrolyte of a bath of chromic acid to which is added a substance of the group comprising sodium dichromate, neutral sodium chromate and sodium hydroxide in quantity adapted to form sodium tetrachromate, the temperature of the bath being maintained below 40° C., and the application of a current density greater than 200 amperes per square decimetre.

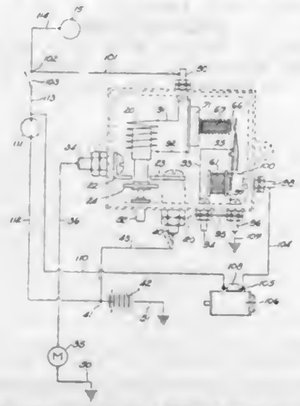
1,985,309

AUTOMATIC STARTER

Carl N. Boyd, Los Angeles, Calif.

Application September 23, 1932, Serial No. 634,476
3 Claims. (Cl. 290—36)

1. An automatic starter control for use with a combustion motor having an electric generator and a starter associated therewith, including: a starter circuit for energizing said starter; a magnetic switch in said starter circuit; a control circuit connected to said magnetic switch; a control switch in said control circuit, said switch comprising a pair of contacts; an armature supporting the first of said contacts; magnetic means



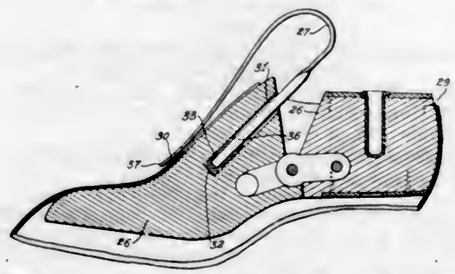
electrically connected to said generator for moving said armature to carry said first contact away from the second of said contacts; a member supporting said second contact; means operated by vacuum of the intake manifold of said motor to move said member so as to carry said second contact away from said first contact; and means for yieldably moving said contacts into engagement.

1,985,310

LASTING GAUGE

Arthur J. Brauer and Frederick P. Wagner, St. Louis, Mo., assignors to Brauer Bros., Inc., St. Louis, Mo., a corporation of Missouri

Application August 15, 1932, Serial No. 628,856
5 Claims. (Cl. 12—133)



1. The combination with a last, of a back height indicator, and an instrument having a part engageable with a reference point on the last and an indicating part adapted to overlie an upper assembled on the last.

1,985,311

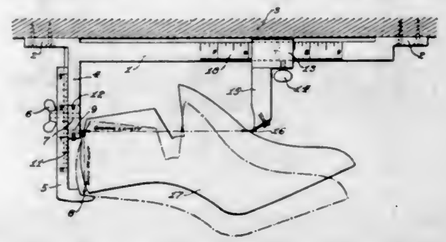
MANUFACTURE OF SHOES

Arthur J. Brauer and Frederick P. Wagner, St. Louis, Mo., assignors to Brauer Bros., Inc., St. Louis, Mo., a corporation of Missouri

Original application August 15, 1932, Serial No. 628,856. Divided and this application June 23, 1934, Serial No. 732,042
4 Claims. (Cl. 12—142)

1. The method of making shoes comprising, providing a last and locating a point on the back thereof corresponding to the back height of a shoe

to be made thereon, predetermining the opening length of a shoe to be made on the last, locating a point on the forward part of the last at a distance from the back height position cor-



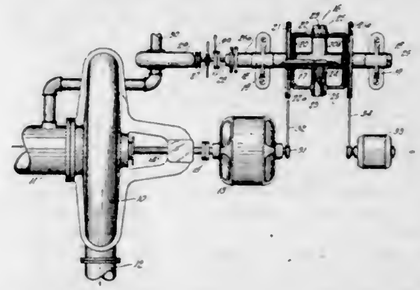
responding to the predetermined opening length, and making shoes on said last with the throat thereof positioned according to said point located on the forward part of the last.

1,985,312

METHOD OF AND APPARATUS FOR CONTROLLING A CHARACTERISTIC OF A MATERIAL

Tandy A. Bryson, Troy, N. Y.

Application October 23, 1931, Serial No. 570,725
18 Claims. (Cl. 92—46)



1. The method of controlling a characteristic of a material of variable character which comprises moving an element at a speed varying in accordance with variations in the character of said material as effected by variations in said characteristics, moving a second element at a substantially constant predetermined speed and controlling the said characteristic of said material in accordance with variations in the relative speeds of said elements.

5. In a device for controlling a characteristic of a material of variable character, a first element, means for moving said element at a speed varying in accordance with variations in the character of said material as effected by variations in said characteristic, a second element, means for moving said second element at a substantially constant predetermined speed, and means responsive to the relative speed of said elements for controlling the said characteristic.

1,985,313

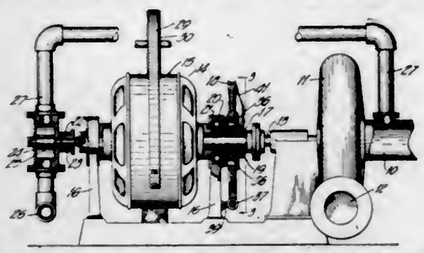
APPARATUS FOR CONTROLLING A CHARACTERISTIC OF A MATERIAL

Tandy A. Bryson, Troy, N. Y.

Application October 23, 1931, Serial No. 570,726
9 Claims. (Cl. 92—46)

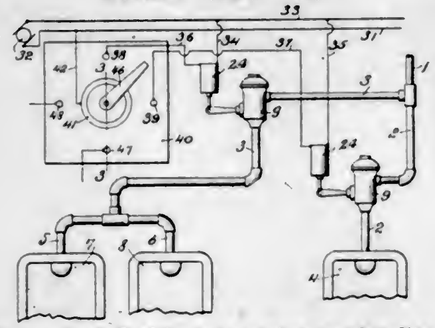
1. In combination, a device normally employed for the manipulation of fluent material during the treatment thereof, an electric motor for ac-

tuating said device and having two independently movable elements, and means operable in re-



sponse to the movement of one of said elements for controlling the consistency of said material.

1,985,314
TIME CONTROLLED FLUSHING APPARATUS
Richard B. Coleman, Kansas City, Mo.
Application October 6, 1932, Serial No. 636,458
1 Claim. (Cl. 4—101)



In a urinal flushing apparatus, a plurality of urinals, a water conducting means connected with and disposed so as to discharge into and flush said urinals independently of each other, and time controlled means controlling the passage of water through said conducting means by which water is discharged therefrom into said urinals one after the other in consecutive order only.

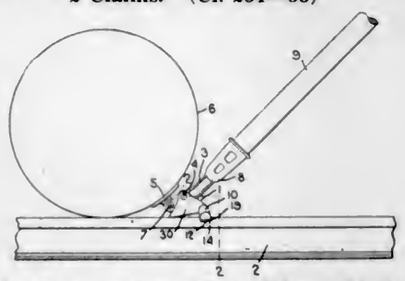
1,985,315
ART OF TREATING FERROUS METALS
Chambers R. Culling and Malvin A. Baernstein, St. Louis, Mo., assignors to National Pigments and Chemical Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application June 24, 1933, Serial No. 677,390
9 Claims. (Cl. 75—46)

1. In the art of treating ferrous metals, the process comprising, melting the metal in an acidic chamber, removing slag from the molten charge, and adding to the molten charge in the acidic chamber a barium compound from which barium oxide is available at the temperature of the molten charge.

1,985,316
ALLOY STEEL
Ralph P. De Vries, Menands, N. Y.
No Drawing. Application November 12, 1930, Serial No. 495,291
9 Claims. (Cl. 75—1)

1. An air-hardening alloy steel which can be readily machined and which has high resistance to stress and deformation at high temperature containing as essential alloying ingredients, carbon from 0.75% to 1.5%, chromium from 3% to 6%, molybdenum from 0.5% to 3%, tungsten from 0.5% to 4%, silicon from 0.3% to 1.5%, and copper from 0.15% to 1.5%; the remainder being substantially all iron.

1,985,317
CAR MOVER
John H. Dodge, Worcester, Mass.
Application March 15, 1934, Serial No. 715,646
2 Claims. (Cl. 254—38)



1. A car mover comprising a fulcrum block and a car-moving lever pivoted thereto, said fulcrum block having two cheek pieces between which the lever is pivoted, said cheek pieces being connected by front and rear bridge portions, said block also having two laterally-extending downwardly-inclined arms, each having a groove in its under face, a rail-gripping dog occupying each groove and having a rail-engaging edge, a retaining plate secured to the under side of the rear bridge member and provided with recesses in which the dogs are received, and openings through which the operative edges of the dogs project, said retaining plate having a flange to engage the rear face of said rear bridge portion and the rear faces of said arms and also having an upstanding ear fitting between the cheek pieces and engaging the front face of said bridge portion.

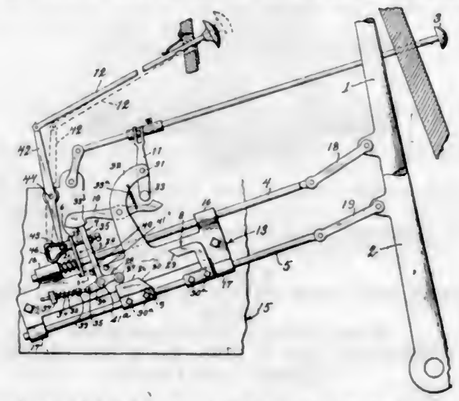
1,985,318
SODIUM BARIUM ALUMINATE AND PROCESS OF MAKING THE SAME
Elbert E. Fisher, St. Louis, Mo., assignor to National Pigments and Chemical Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application May 13, 1931, Serial No. 537,201
7 Claims. (Cl. 23—52)

6. A composition which has been fused comprising, a barium aluminate and sodium aluminate in intimate association resulting from concurrent production.

7. In the art of making soluble barium compounds, the process comprising, mixing a barium salt with a sodium salt, and alumina substantially in molecular proportions such as to yield a product having the formula ($3BaO \cdot Al_2O_3$) and a product having the formula ($Na_2O \cdot Al_2O_3$), and heating the mixture to expel the acid radicals from the salts and concurrently produce said products in intimate mixture.

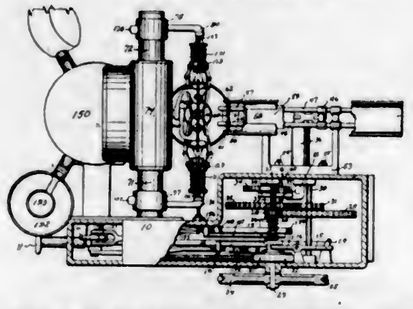
1,985,319
CONTROL MECHANISM
Charles B. Gilmore, Chicago, Ill.
Application December 3, 1927, Serial No. 237,428
14 Claims. (Cl. 192—.01)

1. Control mechanism for automobiles comprising means for applying the brake, means for connecting and disconnecting the clutch, normally inoperative means for holding the brake applied, means whereby movement of said clutch controlling means when in clutch disconnecting position



renders said holding means operative, and means whereby said clutch controlling means is held in clutch disconnecting position so long as said brake holding means is holding the brake applied.

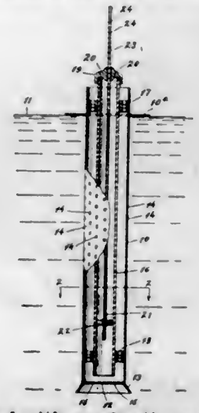
1,985,320
EGG BREAKING AND SEPARATING MACHINE
George S. Giveen, Sioux City, Iowa
Application December 18, 1931, Serial No. 581,785
7 Claims. (Cl. 146—2)



1. In an egg breaking and separating machine, means for breaking eggs comprising a plurality of fingers arranged to grasp an egg, points positioned on a pair of the fingers, and a tapper for tapping the fingers to force the points into the lower side of the egg, said tapper comprising a rod, a levered arm positioned at right angles, and pivoted to the rod, spring tension means applied against the arm, and a rotating cam bearing against the outer end of the arm.

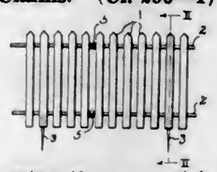
1,985,321
PULP TESTER
Arthur B. Green, Westbrook, Maine
Application June 2, 1931, Serial No. 541,565
10 Claims. Cl. 73—51)

7. A pulp tester comprising a perforated cylinder adapted for immersion in the pulp and having a flange near its upper end for determining the degree of immersion, a well tube in said cylinder open at its lower end to the interior of the latter and having connection with the cylinder so as to permit the passage of fluid between the tube and cylinder, said tube having an air outlet at its upper end and a stem-guiding cap serving as a fixed marker, and a sinker in said well tube having a stem projecting through and guided by said



cap and provided with graduations adapted to register therewith.

1,985,322
FENCE
George A. La Clair, Danielson, Conn.
Application June 21, 1933, Serial No. 676,839
5 Claims. (Cl. 256—1)

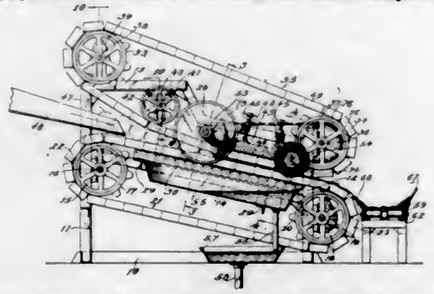


1. A fence construction comprising a plurality of sections each having a plurality of upright members in predetermined spaced relation with each other and transversely extending tie members adjacent the opposite ends of said upright members adapted to support the upright members in said spaced relation, said upright members and tie members being formed of a solid normally stiff but yieldable material and a plurality of said upright members in predetermined spaced relation with each other being provided with a projecting pointed support member.

1,985,323
CITRUS FRUIT JUICE MACHINE
Thaddeus Dale McCall, Imperial, Calif.
Application June 12, 1931, Serial No. 543,757
3 Claims. (Cl. 100—35)

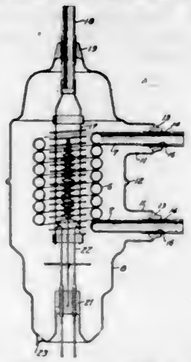
1. A device of the character described comprising two pairs of endless conveyors disposed with the pairs of conveyors in parallel vertical planes and moving in unison, the contiguous runs of the pair of conveyors in each vertical plane being disposed in angular vertical relation to each other to form a throat into which articles of fruit may be fed, separate conveyor blocks carried by the endless conveyors, said blocks of the complementary conveyors of each pair being in common horizontal planes, the blocks of the conveyors in common planes overhanging contiguous edges of the conveyors and projecting toward each other to form complementary jaws between portions of the runs of the vertically aligned conveyors forming the angular throat and into which articles of fruit may be compressed and whereby the juice from the fruit will fall between the conveyors and be carried away and the compressed rind carried from the machine, and a rotary brush driven by the machine and extending downwardly between the

contiguous vertical faces of the blocks and to engage the line of severence of the compressed



rind whereby the pulp will be brushed from the rind.

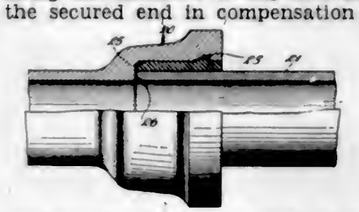
1,985,324
ENVELOPE CONSTRUCTION
Frederick S. McCullough, Edgewood, Pa., assignor to The Union National Bank of Pittsburgh, Pittsburgh, Pa.
Application July 16, 1928, Serial No. 293,201
3 Claims. (Cl. 250—27.5)



3. The method of assembling a vacuum tube structure wherein there is an electrode having a body portion and having transversely extending legs projecting outwardly from the sides of the body portion, said electrode being within a substantially cylindrical vitreous envelope with said legs projecting through the walls of the envelope, which comprises forming the envelope in two parts, each provided with an aperture for one of said legs, passing said legs through said apertures, contacting the parts of the envelope and forming a seal at the line of contact, and thereafter forming a seal between the envelope and the said legs.

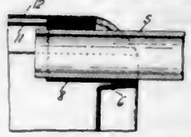
1,985,325
JOINT AND METHOD OF MAKING THE SAME
Tracy D. Nathan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 15, 1933, Serial No. 671,090
16 Claims. (Cl. 285—163)

1. The method of coupling a pair of pipe members telescopically which comprises providing a resilient annulus of greater radial thickness than the corresponding dimension of the space between the members, mounting said annulus upon the smaller of the two members at the end thereof with the end of the annulus secured against movement longitudinally relative to the member, assembling the other member telescopically therewith with the annulus distended longitudinally along the members in the direction away from the secured end in compensation for the



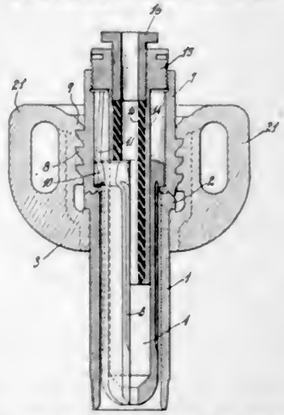
radial compression of the annulus, and providing the outer member with retaining means at the unsecured end of the annulus.

1,985,326
VALVE BAG AND PROCESS OF MAKING THE SAME
Howard H. Orr, Cleveland, Ohio
Application June 1, 1931, Serial No. 541,302
5 Claims. (Cl. 150—9)



1. A valve bag, comprising a tube of bag stock having side walls and gusseted panels with inwardly extending folds therein, and an end of the bag consisting of two sides of the bag folded upon each other and secured in overlapping relation to form a closure, the corner of the bag being formed with a triangular area bounded by the two edges of the closure and the upper edge of the panel, and a flap constituted by an extension of the panel lying beneath the closures and extending within the mouth of the bag, said flap having an inwardly directed crease which is a continuation of the fold in a gusseted panel, the flap being unattached and adapted to form a valve and valved opening extending across the top of the bag and of a width equal to the width of a gusseted panel.

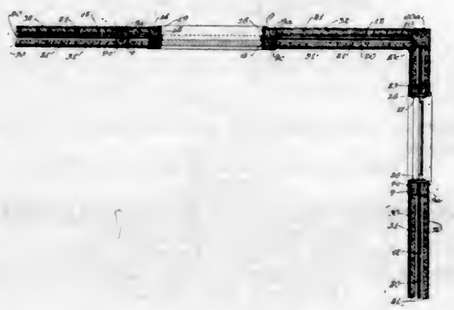
1,985,327
OIL SAVER
Robert F. Parks, Bakersfield, Calif.
Refiling abandoned application Serial No. 555,052, August 4, 1931. This application February 17, 1934, Serial No. 713,164
13 Claims. (Cl. 166—14)



1. An oil saver comprising a sleeve, a ring rotatably mounted on said sleeve, a plunger

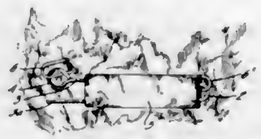
in said sleeve, a collar, said plunger being slidably mounted in said collar, engaging segmental threads on the ring and collar, and means imparting a partial rotation to said collar upon upward movement of said plunger whereby said collar is released from the ring.

1,985,328
BUILDING UNIT AND STRUCTURE
Peter Rutten, Osakis, Minn.
Application February 1, 1933, Serial No. 654,631
6 Claims. (Cl. 72—16)



1. A building construction comprising a plurality of spaced parallel, precast vertical studs formed chiefly of concrete, said studs each comprising two concrete sections facing each other, a strip of insulating material disposed between said two sections and ties interconnecting said sections and strip, each of said sections having sides within which spaced parallel longitudinal grooves are formed and slabs of precast concrete slidably fitted within opposing grooves of adjacent studs to form double walls insulated from each other by a dead air space.

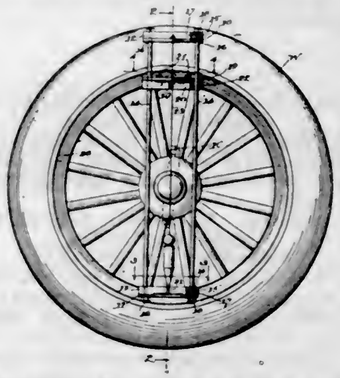
1,985,329
HAIR CURLER
Joseph Scocca, Menands, N. Y.
Application February 19, 1934, Serial No. 711,855
7 Claims. (Cl. 132—31)



1. In a hair curler, a wire bent back upon itself to form two branches simulating the general form of a hair pin, the free end of one of said branches being provided with means whereby the same may be attached to the hair.

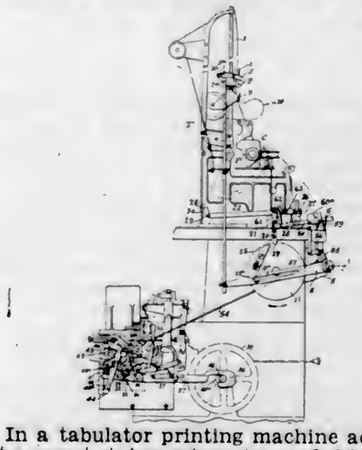
1,985,330
WHEEL GAUGE
Emil M. Starr, Pasadena, Calif., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Application October 19, 1931, Serial No. 569,741
29 Claims. (Cl. 33—203)

1. In combination, a mounting having means for securing it to a steerable vehicle wheel for swinging movement bodily with the wheel as the latter is swung on its king pin, and means carried



by the mounting for indicating the inclination of the wheel relative to the vertical.

1,985,331
PAPER FEED MECHANISM FOR TABULATING OR OTHER PRINTING MACHINES
Arthur Thomas, Thornton Heath, and Francis Guy Sydenham English, West Croydon, England, assignors to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England
Application January 10, 1930, Serial No. 419,981
In Great Britain April 5, 1929
8 Claims. (Cl. 235—58)



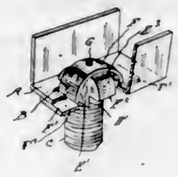
1. In a tabulator printing machine adapted to print account statements on paper fed to the machine from a roll or like supply, and comprising total taking mechanism, paper feeding means adapted to move the paper through the platen at intervals an amount which is complementary to the length of the account, a clutch adapted normally to connect said paper feeding means to a source of power, and clutch controlling means for holding said clutch out of engagement, and a cyclic control device comprising a control member adapted to be advanced a predetermined distance for each cycle of the machine, and a displaceable member adapted to be moved by the cyclic control member after said control member has been advanced to a predetermined extent, means for operatively connecting the clutch controlling means at will to the displaceable member of the cyclic control device or to the total taking mechanism, or to both, whereby the paper feed-

ing means may be caused to operate at will either after the machine has executed a predetermined number of cycles or on the occurrence of a total taking operation.

1,985,332
COATED SHEET AND METHOD OF PRODUCING SAME
David R. Ward, Struthers, Ohio; Helen B. Ward, administratrix of said David R. Ward, deceased, assignor to Helen B. Ward, individually, Cleveland, Ohio
No Drawing. Application July 22, 1930, Serial No. 469,731
3 Claims. (Cl. 91—70.2)

1. In a method of producing coated metal sheets, the steps including passing sheets through a galvanizing bath and a flux bath, cooling the galvanized sheets and subjecting them to a plurality of light forging blows by means of a stream of abrasive particles while carrying adherent flux from the bath, to improve the adherence and the drawing quality of the coating.

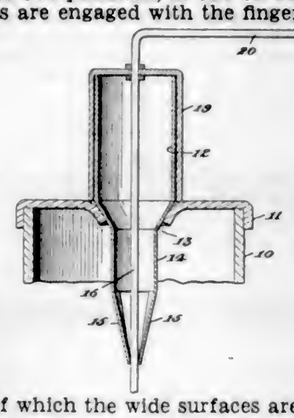
1,985,333
BOLT
William R. Wiley, Detroit, Mich.
Application December 11, 1931, Serial No. 580,288
6 Claims. (Cl. 85—1)



1. Means for effecting the projecting structural integration of a headed bolt with an apertured wall, comprising, in combination with the latter, a bolt member having a threaded stem portion whose projection in position of substantial perpendicularity to the plane of the wall is desired, a head contoured correspondingly to the aperture in the wall, for insertion therethrough followed by an interlocking turn about its own lengthwise axis, and a centrally arched holding clip adapted to have its center portion inserted through the wall aperture before the insertion of the bolt head thereinto, with its end portions in overlapping engagement over external surface portions of the wall adjacent the aperture therein, thereby holding the laterally inserted bolt head against undesired movement through the wall aperture.

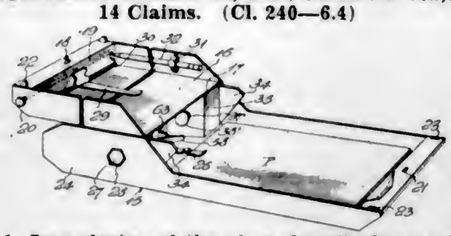
1,985,334
GAUGE STICK WIPER
Julius S. Benroth, Phoenix, Ariz., assignor of one-fourth to Morton Edward Kimsey, Scottsdale, Ariz., one-fourth to Thomas John Tunney, Phoenix, Ariz., and one-fourth to James A. Saunders, Washington, D. C.
Application January 12, 1934, Serial No. 706,431
3 Claims. (Cl. 73—120)

1. In an ullage apparatus for a container, a fixed structure having opposite spring fingers and supported by the wall of the container, and a movable member including a gauge stick of greater width than thickness and cooperative with said fingers during the withdrawal of the gauging stick for the wiping of oil from said stick, said stick being insertable into the container in either of two positions, in one of which the wide surfaces are engaged with the fingers and in the



other of which the wide surfaces are free of said fingers.

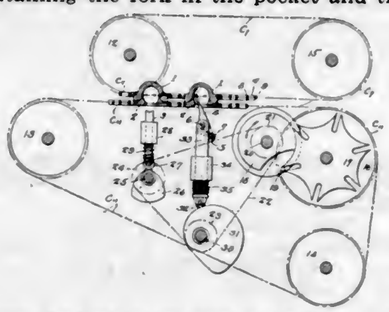
1,985,335
COMBINED PAD HOLDER AND ILLUMINATING MEANS THEREFOR
Richard L. Bloss, Manitou, Colo.
Application December 16, 1933, Serial No. 702,762
14 Claims. (Cl. 240—6.4)



1. In a device of the class described, a casing having a cover, an electric bulb for illuminating a portion of said casing when said cover is opened, means for supplying current to said bulb including a switch having a manually movable actuator at the exterior of the casing, a barrier movably mounted in the casing and movable into and out of the path of said actuator, and means under control of said cover for moving said barrier to allow completion of the bulb circuit only when said cover is open.

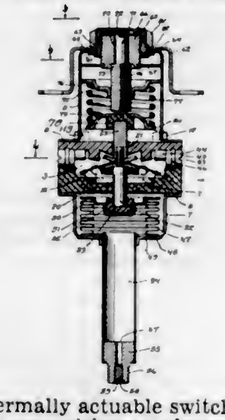
1,985,336
FRUIT PITTING MACHINE
Robert Chapelle, Beaucaire, Gard, France
Application February 17, 1933, Serial No. 657,309
In France February 22, 1932
1 Claim. (Cl. 146—18)

In a fruit pitting machine, a chain having a socket therein with an opening in the bottom thereof, a cap cooperating with the upper edge of the socket to form a pocket for a fruit to be pitted, means for moving the pocket in a predetermined path, a knife and pitting fork mounted in spaced relation below the path of movement of the pocket and in the same plane, means for vertically moving the knife into the pocket in one position thereof to slit the fruit therein, means for pivotally mounting the fork on a fixed vertically movable member, said pivoting means permitting the fork to swing longitudinally of the path of movement of the pocket, spring means for maintaining the fork pivoted in a vertical position, means for moving the pocket from the position above the knife to a position above the fork, means for moving the fork into the pocket and fruit contained therein, means for advancing the pocket along the predetermined path while maintaining the fork in the pocket and thereby



rotating the fork on its pivot against the action of the spring, and means for thereafter returning the fork to initial position.

1,985,337
THERMALLY ACTUATED ELECTRICAL SWITCH
Carlton Walter Bondurant, Cleveland, Ohio, assignor to The Bishop & Babcock Sales Company, Cleveland, Ohio, a corporation of Ohio
Application February 12, 1931, Serial No. 515,262
28 Claims. (Cl. 200—140)



1. In a thermally actuable switch construction, a thermostat comprising an element movable responsive to temperature changes, a switch operable to be opened and closed by movement of the element at predetermined lower and upper temperatures, and adjustably movable means adapted to concurrently adjustably vary the responsiveness of said switch to effect opening and closing operations thereof at higher or lower temperatures and adapted in an adjusted position to prevent closing of the switch, and means to adjustably vary the responsiveness of said switch to make it close at predetermined variable temperatures, independently of the predetermined opening temperature, said last adjusting means comprising a stop for stopping movement of a movable element of the switch in its opening direction and adjustment means to variably position the stop.

1,985,338
EVAPORATIVE COOLING
William J. Caldwell, Independence, Mo., assignor to J. H. McCormick & Co., Williamsport, Pa., a corporation of Pennsylvania
Application July 11, 1930, Serial No. 467,238
9 Claims. (Cl. 62—176)

1. A process of cooling air comprising saturating the air with moisture, driving said air against moisture absorbing material in contact with metal whereby the material is wetted, evaporating moisture from said material thereby cooling said metal, and passing the air over said metal, thereby cooling said air.

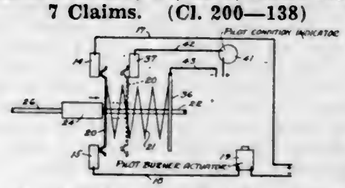


1,985,339
COAL MINING MACHINE
James A. Crumley and George T. Wall, Charleston, W. Va.
Application August 16, 1933, Serial No. 685,448
1 Claim. (Cl. 262—33)



In a structure of the class described, a cutter bar comprising a pair of elongated plates bolted together, the marginal portions of said plates having their inner faces recessed to provide a channel and a T-guide way which opens out through the central portion of the bottom of the channel, one plate having an opening therein to expose the channel and guideway, a removable plate covering said opening, a plurality of bit carriers, each including a wide outer portion having a socket therein for receiving a bit, a narrow web portion having a hole in each end thereof and a T-shaped inner portion engaging the guideway, pairs of links connecting the carriers together, the links of each pair having bosses on their inner faces abutting each other and extending into the holes in the web portions of the carriers and rivets passing through the links and the bosses, said links traveling in the channel, the heads of the rivets being countersunk in the links.

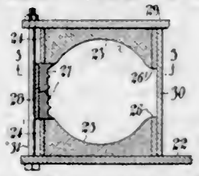
1,985,340
ELECTRIC CONTACT DEVICE FOR AUTOMATIC OPERATION OF MECHANISMS
Harry H. Dodge, Williamsport, Pa., assignor to J. H. McCormick & Co., Williamsport, Pa., a corporation of Pennsylvania
Application February 20, 1933, Serial No. 657,700
7 Claims. (Cl. 200—138)



1. In an electric circuit breaker the combination of a base of insulating material; a pair of spaced contacts fixed upon one surface of said base; a rod reciprocable through said base between said contacts, said rod moved in one of its directions by an external force; a metallic member carried by said rod and adjustable axially thereof, said member adapted to close said contacts when said rod is moved in the other of its directions; a metallic guide bracket fixed to said base and slidingly receiving an end of said rod; a spring disposed about said rod and electrically and operatively connecting said bracket and said member, said spring for moving the rod in said

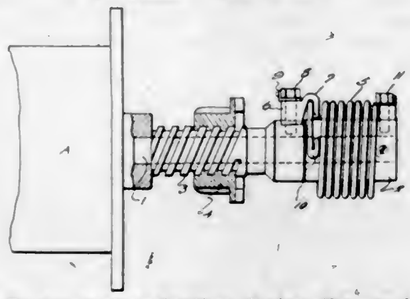
other of its directions; and a single contact fixed to said base and having a free end disposed between said member and said bracket, said end spaced from the plane of the pair of contacts; and adapted to make contact with said member upon movement of said rod under the urge of the external force.

1,985,341
METHOD OF MAKING TREAD MOLD ELEMENTS
William J. Fraser, Toronto, Ontario, Canada
Application November 7, 1932, Serial No. 641,658
10 Claims. (Cl. 29—148.2)



1. The process of forming a tread element for a tire mold which comprises casting tread mold segments of ductile metal; deforming said segments by bending to change their circumferential curvature without the removal of metal and connecting a sufficient number of said segments to form a complete tread element of the same curvature.

1,985,342
STARTER SPRING
George F. Colley, Memphis, Tenn., assignor to Lucille McCulloch, Memphis, Tenn.
Application March 13, 1934, Serial No. 715,370
2 Claims. (Cl. 74—7)

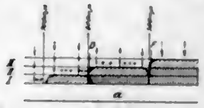


1. In an engine starting device, the combination of a shaft, a threaded sleeve carried by said shaft, a pinion carried by said sleeve, a spring having one end connected to said shaft and its opposite end provided with a hook, said sleeve being provided with a coupling member projecting between the spring coils to engage said hook when the starter is actuated and to permit slippage between the spring and sleeve upon return of said pinion to non-driving position.

1,985,343
PROCESS OF PRODUCING CATALYTIC MASSES
Gerald C. Connolly and Jeremiah A. Pierce, Baltimore, Md., assignors, by mesne assignments, to Chester F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application July 20, 1931, Serial No. 552,063. Renewed February 17, 1934
22 Claims. (Cl. 23—233)

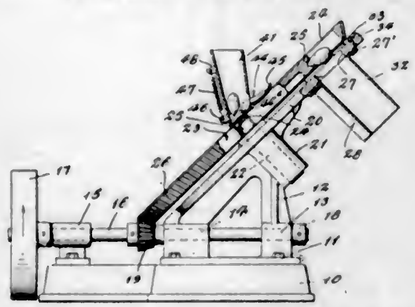
1. The process of preparing a catalytic mass composed of a hydrous oxide carrier impregnated with at least one catalytic material which comprises forming a mixture of a hydrous oxide sol with a catalytic producing substance, allowing said sol to coagulate, and treating the coagulated mass with a reagent to convert the said substance into a catalytically active material.

1,985,344
METHOD OF PRODUCING MULTICOLOR PHOTOGRAPHS AND CINEMATOGRAPH PICTURES
Béla Gáspár, Berlin, Germany
Application July 15, 1932, Serial No. 622,812
In Germany July 20, 1931
29 Claims. (Cl. 95—2)



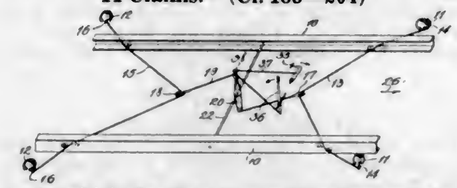
1. A method of producing multi-color photographs, cinematograph images and the like on a photographic material comprisng colored silver halide layers poured one on to the other; which consists in sensitizing the single color part-layers in respect of rays which are allowed to pass by the dyestuffs employed for coloring the said layers and by the upper layers themselves, copying behind a master image on at least one side, and thereupon converting the diffusely colored part-layers into color images by discharging the dyestuff at the requisite points.

1,985,345
NUT LENGTH GRADER
William Gebhardt, San Antonio, Tex.
Application November 7, 1932, Serial No. 641,661
4 Claims. (Cl. 209—87)



1. A length grading machine comprising an inclined support member having a discharge slot at the upper part thereof, individual chute members positioned beneath said discharge slot, a radially adjustable grader plate carried by said support member and having stepped portions overlying said discharge slot whereby to support certain nuts and permit others to fall through said slot into respective chute members, a rotary plate disposed above said inclined support member and parallel thereto, said rotary plate having a series of radially extending slots therein, means for singly feeding a nut to said slots, a resiliently mounted wiper for adjusting said nuts lengthwise of said slots upon rotation of said plate, and rib members carried by said inclined support member for effecting a rolling action to said nuts for further adjustment thereof in said slots.

1,985,346
VEHICLE BRAKE ARRANGEMENT
Ricardo Guimaraes, 2d, Sao Paulo, Brazil
Application November 2, 1932, Serial No. 640,881
11 Claims. (Cl. 188—204)

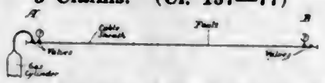


1. A vehicle having, in combination, a pair of front brakes, a pair of rear brakes, a pair of continuous cables extending between and arranged to operate each pair of brakes, movable suspended pulleys riding upon each cable, a continuous cable fixedly connected to and extending between said cable pulleys, a pulley lever provided with four rollers, three of said rollers having parallel axes, second-mentioned cable passing over said three rollers, and pedal and lever means for operating the lever to draw the pulleys toward each other to apply all four brakes including a cable connecting said pedal and lever means passing over said fourth roller.

1,985,347
TREATMENT OF NITROCELLULOSE CONTAINING WASTE MATERIAL
Paul Charles Léon Hayemal, Brussels, Belgium
No Drawing. Application July 7, 1932, Serial No. 621,305. In Germany July 20, 1931
2 Claims. (Cl. 260—148)

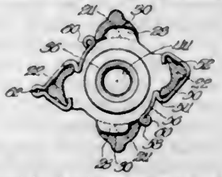
1. A process for treating nitrocellulose-containing waste materials to recover the solvents and plasticizers of such materials and to obtain nitrocellulose in an altered form, especially suitable for yielding solutions of low viscosity, which comprises heating the said materials, freed from foreign substances, in an autoclave in the presence of water to superatmospheric pressure, regulating the pressure not to exceed 10 atmospheres by cooling and autoclave with water, and then boiling the altered nitrocellulose under atmospheric pressure while passing a current of steam therethrough.

1,985,348
METHOD OF LOCATING CABLE SHEATH DEFECTS
Thomas C. Henneberger, Caldwell, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 30, 1931, Serial No. 583,992
5 Claims. (Cl. 137—77)



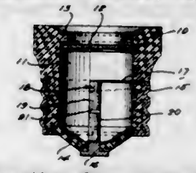
1. The method of locating a sheath defect in a section of cable which consists in plugging the cable at the ends of the section, introducing gas at one end of the plugged section without simultaneous introduction at the other end, maintaining the introduction pressure, permitting the gas pressure along the section to reach a steady state, and determining by computation or the equivalent the location of the defect from the pressure-distance relations along the cable section, on the premise of a constant pressure drop per unit of distance between the introduction point and the defect and zero pressure drop between the defect and the end of the section distant from said point.

1,985,349
COUPLING
John T. Kelly, Oak Park, Ill.
Application January 9, 1933, Serial No. 650,868
11 Claims. (Cl. 285—67)



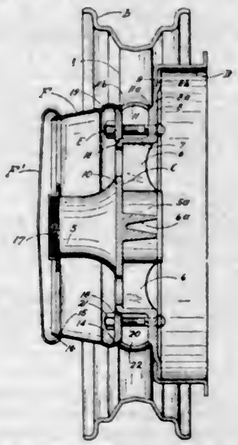
1. A removable locking device of the type described, capable of being snapped over one of the cars of a coupling, said device provided with an arcuately extending portion adapted to abut against the ear portion of an adjoining coupling to prevent relative rotary movement toward each other of said ear portions.

1,985,350
FUSE
Edwin F. Kiefer, Cleveland, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application December 1, 1931, Serial No. 578,347
18 Claims. (Cl. 200—123)



1. A delayed action fuse comprising a dielectric body; two conductive terminals mounted on said terminals; and a fuse comprising two pieces of carbon rod held together directly by a joint of fusible alloy, mounted under tension between said spring and said other terminal.

1,985,351
VEHICLE WHEEL
Philip M. Miller, Cleveland, Ohio
Application December 9, 1930, Serial No. 501,006
5 Claims. (Cl. 301—6)



1. A metal wheel assembly for motor vehicles, comprising a nave member and a spoked spider member each adapted to be cast as a separate unit, and a brake contacting member; said nave

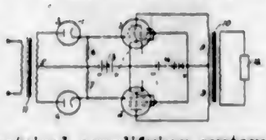
member being in the form of a spider having a transversely extended central portion forming a hub, channeled ribs projecting radially from said hub and merging into a transverse wall which at its inner side merges into a radially extended flange which forms the web of the brake drum, the outer side of said flange being shouldered at spaced radial points to provide seats for said spoked spider member and said brake contacting member, said brake contacting member being formed with a web which is secured to said flange and the spoked spider member being seated on said flange, a clamp ring seated on the outer circumferential edge portion of said transverse wall and holding said spoked spider member in position on said flange, and a shell having its edge clamped between said ring and spider member and extending transversely outwardly around the hub and provided with a removable cap which shields the hub, nave member and clamping ring from exterior view.

1,985,352

CIRCUIT ARRANGEMENT FOR ELECTRICAL AMPLIFIERS

Johannes Jacques Numans, The Hague, Netherlands

Application August 1, 1930, Serial No. 472,339
In the Netherlands February 25, 1930
7 Claims. (Cl. 179—171)



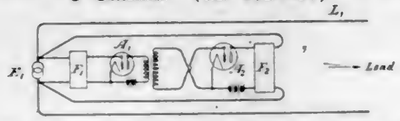
1. An electrical amplifying system comprising discharge tubes arranged in such a manner that their control and output circuits are in balanced or push-pull relationship, means for biasing the control elements of the tubes to a value producing an adjustment of said tubes at the limit of the substantial linear parts of their control characteristics, rectification producing elements associated with the control circuits of the tubes and arranged to supply unsmoothed rectified energy to the control elements of said tubes in opposition to the bias applied thereto.

1,985,353

REDUCTION OF DISTURBING VOLTAGES IN ELECTRIC CIRCUITS

Harold Anson Rhodes, Montclair, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application September 13, 1933, Serial No. 689,325
5 Claims. (Cl. 171—97)



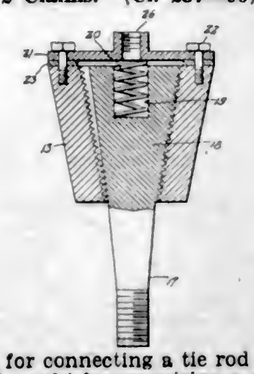
5. In an electrical system comprising a D. C. generator giving rise to disturbances, a storage battery to be charged thereby and signaling circuits adjacent thereto, connections from the generator to the storage battery, means for eliminating from the adjacent circuits disturbances inherent in the charging generator, said means consisting of an amplifier with its input circuit and its output circuit bridged across the generator, and condensers in the input circuit and in the output circuit to block D. C. current from the generator to the amplifier.

1,985,354

TIE ROD END CONSTRUCTION

Jesse R. Stence, Greggton, Tex.

Application June 20, 1933, Serial No. 676,707
2 Claims. (Cl. 287—93)



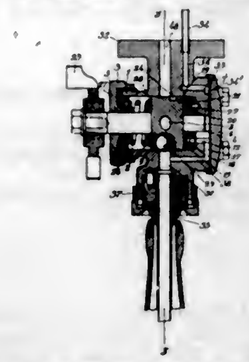
1. Means for connecting a tie rod to the steering arms of a vehicle comprising a straight part at each end of the rod having a vertically arranged head at its terminal, said head having a vertically arranged downwardly tapering socket therein which passes through both the upper and lower ends of the head and is internally threaded, a stud having a downwardly tapered upper portion fitting in each socket and externally threaded to engage the threads of the socket, a cap closing the upper end of the socket and spaced from the upper end of the stud, a spring engaging parts of the upper part of the stud and of the cap, means for introducing lubricant into the space between the cap and stud, and means for connecting the lower part of the stud with a steering arm.

1,985,355

ARRANGEMENT FOR TRANSFERRING GASEOUS LIQUIDS UNDER COUNTER PRESSURE

Gustave Stern, Charenton, France

Application April 12, 1932, Serial No. 604,839
In Germany April 18, 1931
6 Claims. (Cl. 226—115)



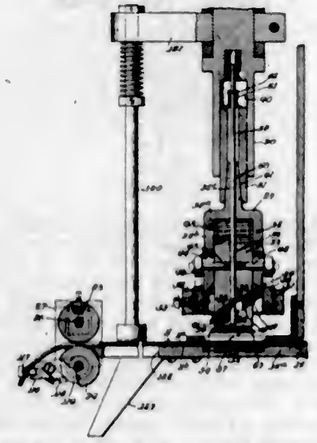
1. An attachment for transferring gaseous liquid under counter-pressure from a storage vessel, containing liquid under pressure, to bottles, comprising a valve casing adapted to be secured to the storage vessel and having a straight line outflow passage for the liquid, pipes adapted to extend into the storage vessel above the liquid level of the same and merging into passages provided in the valve casing and a valve member adapted to rotate in the casing, to establish a straight line path for the liquid and to control the passages in the said casing during the transferring operation, the rotary valve member consisting of a body having a transverse bore for the liquid, a flat sliding member for the passages of the pipes, said flat sliding member bearing against a slide face of the valve casing, and a closing member for the outflow passage of the valve casing, the closing member being positioned in a recess in the periphery of the said body.

1,985,356

CUTTING APPARATUS

Paul Van Cleef, Chicago, Ill., assignor to Van Cleef Brothers, Chicago, Ill., a partnership composed of Noah Van Cleef, Felix Van Cleef, Maxime Van Cleef, and Paul Van Cleef

Application October 12, 1931, Serial No. 568,234
15 Claims. (Cl. 164—71)



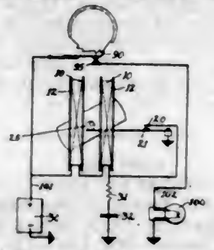
1. In an apparatus for cutting a circular, bevel-edged article from a strip, the combination of a supporting structure, a cutting head supported by said structure for rotation on a substantially vertical axis and comprising a blade mounted so that it is shiftable downwardly and outwardly, a table associated with the supporting structure and arranged to support the strip directly beneath the head, means for rotating the head so as to cause the blade to revolve in a circular path over the strip, and means operative during rotation of said head, for shifting the blade downwardly and outwardly so as to effect angular insertion thereof into the strip and thus cause cutting of the article from the strip as the head is rotated by the rotating means.

1,985,357

ELECTRIC MOTOR APPARATUS

Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application March 1, 1932, Serial No. 596,072
14 Claims. (Cl. 171—222)



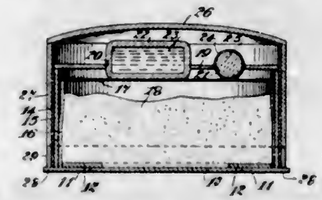
1. An electric motor comprising in combination, a stator, an unwound rotor, means comprising a circuit controller which must be intermittently opened and closed to produce any electromagnetic rotation of the rotor, and an eccentric for operating a circuit controller for energizing the motor to produce rotation of the rotor, and a governor operated by the rotor for varying the degree of eccentricity of the eccentric to control the speed of the rotor.

1,985,358

COSMETIC BOX

Paul H. Douglas, Pelham Manor, N. Y., assignor to Bourjois, Inc., New York, N. Y., a corporation of New York

Application March 17, 1933, Serial No. 661,284
7 Claims. (Cl. 206—47)



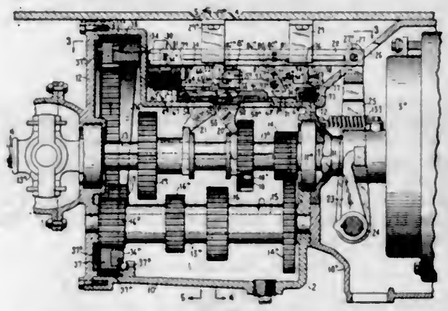
1. In a cosmetic box, in combination, a box body, a freely removable cover for the box body telescoping thereover, an inner article-supporting closure for the box body beneath the top of its said cover, a stop ledge on the outside of the box body below its telescopic cover, a freely removable identifying spacing ring encircling the box body between its said stop ledge and the lower edge of its telescopic cover and spacing the top of the latter above the top edge of the box body, and a flat destructible tell-tale article holding member fixedly secured to the box body above its said inner article supporting closure and provided with an article-receiving opening so that thus the absence of such article or the destruction of said member together with the absence of said identifying ring will furnish evidence of tampering with the original assemblage.

1,985,359

TRANSMISSION MECHANISM

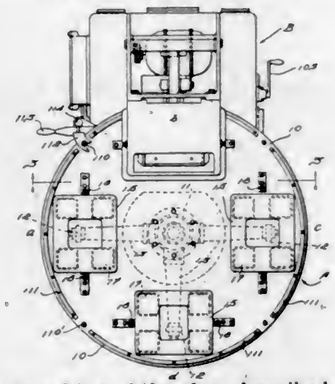
Fulton C. Worden, New York, N. Y.

Application May 8, 1931, Serial No. 535,832
22 Claims. (Cl. 74—336.5)



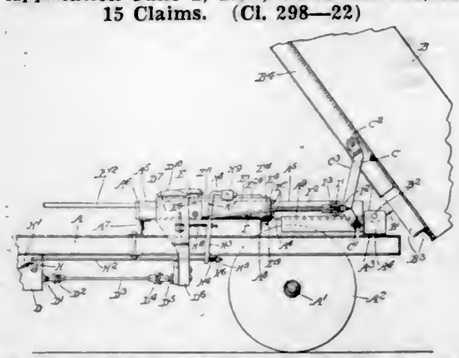
5. In a mechanism of the character described, transmission means, clutch means therefor, means operable to actuate said clutch means, means driven by said transmission means, and means responsive to speedometer changes operable to interconnect said driven means and said clutch actuating means, substantially as specified.

1,985,360
MOLD FORMING MACHINE
George F. Yager and Oliver J. Heath, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio
Application August 31, 1931, Serial No. 560,454
11 Claims. (Cl. 22—21)



1. In a machine of the class described, a rotatable dial, means carried by the dial for supporting flasks, actuating means for said supporting means, a control for said actuating means including a push button adjacent the dial, and means for holding the dial against rotation including an element adapted to cover and uncover the push button.

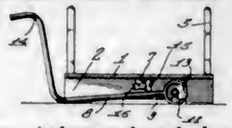
1,985,361
HOIST CONTROL
William C. Anthony and Lester Wachter, Streator, Ill., assignors to Anthony Company, Streator, Ill., a corporation of Illinois
Application June 1, 1931, Serial No. 541,399
15 Claims. (Cl. 298—22)



1. In combination with a receptacle, means for moving the same from loading to dumping position, and automatic means, enclosed within a part of the moving means, the moving means, adapted to cause the latter to give the body back and forth movement through a distance less than its maximum travel.

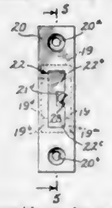
1,985,362
TRUCK
John L. Clyde, Joliet, Ill.
Application May 31, 1933, Serial No. 673,633
5 Claims. (Cl. 214—65)

1. A truck device comprising a body normally resting on the floor, a truck frame projectable into the body, rollers on the frame for supporting one end thereof with the opposite end of the frame shaped to normally rest on the floor, and projections on said frame movable into the body



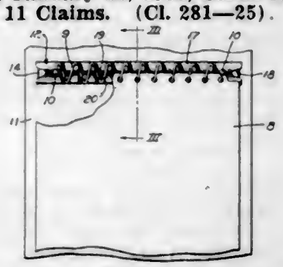
when the frame is lowered and also movable into engagement with the body when the frame is raised to lift the body off of the floor.

1,985,363
LOCK CONSTRUCTION
Charles Courtney, New York, N. Y.
Application April 10, 1933, Serial No. 665,301
8 Claims. (Cl. 70—46)



1. In lock construction, in combination, a casing having a bolt projectable therefrom, said bolt being slotted in the direction of its projecting movement and said casing having a rib-like portion extending inwardly into the casing and fitted into said slot in said bolt, a key cylinder related to said casing and having key-controlled means for actuating said bolt, said key cylinder being positioned in line with said rib-like portion, and a screw threaded lengthwise through said rib-like portion of said casing for locking said cylinder in position.

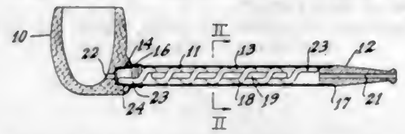
1,985,364
SHEET RETAINING DEVICE
George H. Dawson, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application January 22, 1934, Serial No. 707,624
11 Claims. (Cl. 281—25)



1. In a sheet retaining device, a supporting base member, a metal plate secured thereto, said plate having a plurality of projections, a plurality of sheets, and a helical wire threaded through said sheets, said wire being engageable with said projections to hold said sheets adjacent said supporting base member.

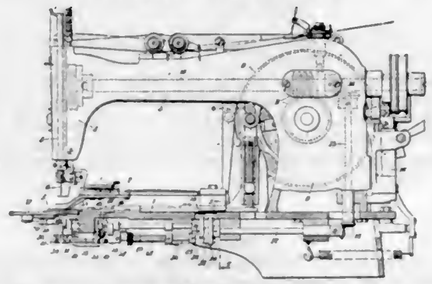
1,985,365
TOBACCO PIPE
MacDougald Dexter, Columbus, Ga.
Application May 29, 1933, Serial No. 673,467
1 Claim. (Cl. 131—12)

A filter for a pipe stem consisting of a straight axial member and a helical member surrounding said axial member, the ends of the helical member being bent so as to extend in planes adjoining to but not in alignment with and extending past the ends of the axial members, whereby when



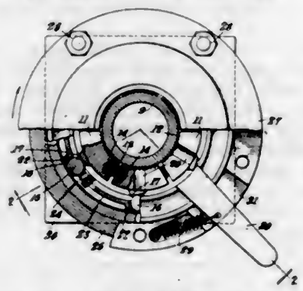
the filter is inserted in the bore of a pipe stem an unobstructed passage will be formed between the bowl opening and the mouthpiece opening, the major portion of said passage being of spiral formation.

1,985,366
BUTTON SEWING MACHINE
Albert F. Fifield, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 13, 1929, Serial No. 392,308
9 Claims. (Cl. 112—112)



1. In a sewing machine, the combination with a plurality of spaced needles arranged in a plane, of means for feeding the work transverse to the plane of the needles, a rotary chain-stitch looper having a loop-seizing beak and a loop-spreading wing, said beak being arranged to operate in a plane parallel to the plane of the needles and being adapted to seize a thread-loop from each of said needles and pass it through the previously seized thread-loops on the looper.

1,985,367
DRIVE FOR DRILL PIPE
James C. Fortune, Monterey, Calif.
Application May 9, 1933, Serial No. 670,128
9 Claims. (Cl. 255—23)

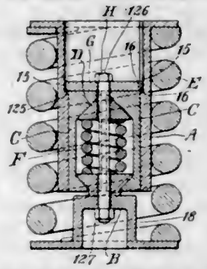


1. In combination with a rotary table, relatively separable pipe grips carried thereby and means automatically operative in the rotation of said table in one direction to force said separable pipe grips together into holding engagement with drill pipe extending through the table.

1,985,368
PLASTICIZER
Arthur H. French and Lowell O. Gill, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Illinois
No Drawing. Application September 23, 1932, Serial No. 634,619
2 Claims. (Cl. 91—68)

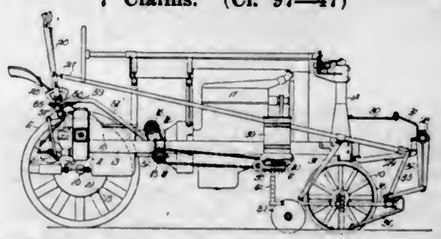
1. The method which comprises heating a mixture of glycerin and starch to a temperature sufficiently high to gelatinize the starch in the presence of the glycerin, applying the heated mixture to a paper product to form a plastic layer thereon, and applying over said plastic layer a layer of greaseproof material.

1,985,369
SHOCK ABSORBER
Henry Fuchs, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 31, 1932, Serial No. 614,363
7 Claims. (Cl. 267—9)



1. In a shock absorber for trucks of railway cars, the combination with a friction shell; of a follower, said shell and follower being movable toward and away from each other; a plurality of friction shoes telescoped within the shell, said shoes having interior wedge faces at one set of ends, and laterally, inwardly extending projections at the other set of ends; a block bearing on said projections; a wedge post rigid with said follower and movable therewith toward and away from said shell, said post having the inner end thereof disposed between the shoes, said inner end of the post having wedging engagement with the wedge faces of the shoes; spring means bearing at one end on the inner end of the wedge post and having the other end bearing on said block; and additional spring means opposing relative movement of the friction shell and follower.

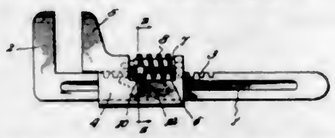
1,985,370
TRACTOR PLANTER
Frederick E. Hand, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 14, 1931, Serial No. 508,719
7 Claims. (Cl. 97—47)



1. A planter drive controlling mechanism comprising, in combination with a tractor having a

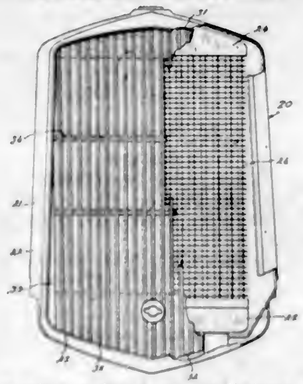
rearwardly positioned transmission, a power take-off shaft mounted forwardly of the transmission, a driving element rotatably mounted adjacent said shaft, means for operatively connecting the shaft to said element, including a clutch, a rock shaft mounted at the rear of the tractor, a power lift operatively connected to said shaft, an upwardly extending crank arm secured to the shaft, an actuating link operatively connecting said crank arm to the clutch, the connection between the crank and the link being formed by a pin on the crank and a notched slot in the link whereby the link may be raised out of engagement with the pin and operated manually.

1,985,371
WRENCH
Charles S. Hascall, Baldwin, N. Y.
Application December 4, 1933, Serial No. 700,915
1 Claim. (Cl. 81—176)



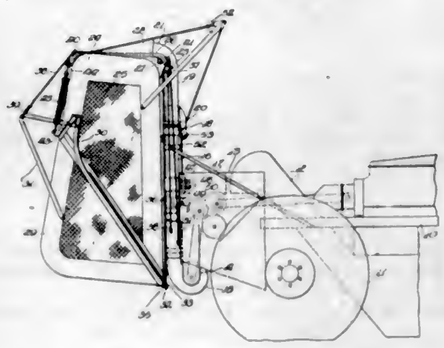
In a wrench comprising a handle bar, a jaw including a body encircling the bar and movable along the same and a rotatable worm with a knurled spiral rib carried by said body and engaging the handle bar to effect the movement of the jaw, a resilient latch pivoted upon the side of the body at one end and having its free end provided with a lateral locking lip to engage the knurled rib of the worm, the length of the lip being greater than the width of the rib, and a stop on the side of the body in the path of the latch to limit the worm-engaging movement of the latch.

1,985,372
AUXILIARY FRONT FOR RADIATORS
Ferdinand B. Herz, Detroit, Mich., assignor to Long Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 31, 1931, Serial No. 560,515
16 Claims. (Cl. 293—54)



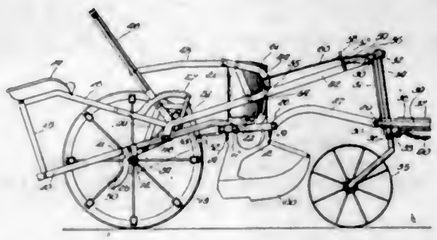
1. An auxiliary front for radiators comprising a frame having upper, lower and intermediate transversely extending web portions, strips of metal bent to form hollow ribs, and means for securing said ribs to said frame, said means including ears formed on said ribs intermediate the ends of the same, said ears being fixed to the transversely extending intermediate web portions of the frame.

1,985,373
RECEPTACLE FOR HARVESTERS
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 17, 1933, Serial No. 698,445
16 Claims. (Cl. 214—65)



1. In a traveling material collecting machine, a receptacle pivoted on a horizontal axis to the machine and depending downwardly therefrom, means for lifting the receptacle to a substantially horizontal position about its pivot axis, and a cover removably mounted over a portion of the receptacle whereby the contents may be removed by removing said cover.

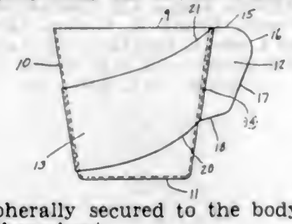
1,985,374
PLANTER
George M. Kriegbaum and Clarence C. Haas, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application January 24, 1933, Serial No. 653,294
11 Claims. (Cl. 97—236)



1. A field implement comprising two wheel supported frames, an implement frame positioned between said frames and pivotally connected thereto on transverse longitudinally spaced axes, and a lifting linkage adjustably connected to the wheel supported frames and operable to tilt the adjacent portions of said frames substantially the same vertical distance, whereby the implement frame is given a substantially rectilinear movement.

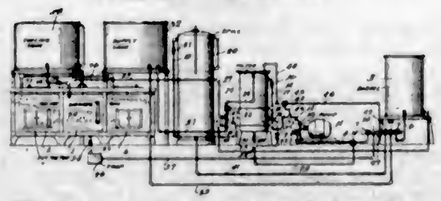
1,985,375
HANDLE REENFORCING CUP
Elmer R. Krueger, Indianapolis, Ind.
Application November 10, 1932, Serial No. 641,989
5 Claims. (Cl. 229—52)

1. A handle cup including a conical cup body and an exterior encircling band terminating in a radially projecting handle, the band portion be-



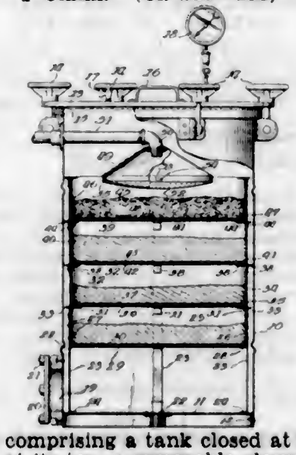
ing peripherally secured to the body in biased relation thereabout.

1,985,376
DRY CLEANING APPARATUS
Henry Lindenberger, Chicago, Ill.
Application July 11, 1932, Serial No. 621,936
5 Claims. (Cl. 68—38)



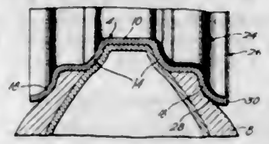
1. The step in the process of dry cleaning, which consists in agitating the batch to be cleaned in contact with a volatile cleaning fluid cooled to a temperature at which there will be substantially no evaporation.

1,985,377
PURIFIER FOR DRY CLEANING APPARATUS
Henry Lindenberger, Chicago, Ill.
Application July 30, 1932, Serial No. 626,743
1 Claim. (Cl. 210—134)



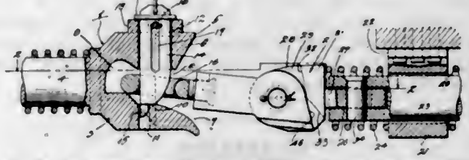
A filter comprising a tank closed at its bottom and open at its top, a removable closure member for the open top of said tank, a plurality of baskets disposed in said tank arranged one above the other, each of said baskets having a screened bottom and a solid annular wall, the bottom of said baskets being provided with legs secured thereto for supporting the same in spaced relation with the bottom wall of the tank, means provided adjacent the free edge of each of said baskets for supporting thereon the next adjacent basket, said means including angular bars rigidly secured to the annular wall of the basket to form inwardly extending projections upon which the next adjacent basket is adapted to rest, an inlet for said tank provided adjacent the upper end thereof and a spray connected with said inlet, said spray being disposed at a level below that of the upper free edge of the uppermost basket, whereby the liquid emitted through said spray will be received in said upper basket, cotton batting disposed within said upper one of said baskets, a moisture absorbing means disposed within the other of said baskets.

1,985,378
CONSTRUCTION FOR ORNAMENTING RIMS
George Albert Lyon, Allenhurst, N. J.
Application January 16, 1932, Serial No. 586,990
12 Claims. (Cl. 41—10)



1. A construction for ornamenting rims comprising an ornamental split ring of relatively stiff resilient material having a normal diameter larger than the inside diameter of the rim flange, arranged to overlie the outer surface of said rim flange and having its ends unconnected so as to be resilient and having its outer margin resiliently engaging in an annular recess in the rim flange, said ring when in place on said rim flange having its ends tending to be separated by reason of the constant inherent tendency of the ring to expand, whereby the ring is held in tight engagement with the rim flange.

1,985,379
CAR COUPLER
Hugh A. Maconaghie, Herrin, Ill.
Application March 15, 1934, Serial No. 715,747
2 Claims. (Cl. 213—188)

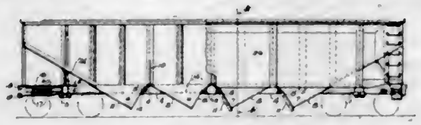


2. In a coupling designed to receive a coupling pin, a coupling link comprising a bar member mounted for reciprocal movement, resilient means at opposite sides of the mounting for said reciprocal bar for limiting the movement of the latter, a body pivotally attached to the forward end of said bar, a pair of ear members carried by said body and extending from opposite faces thereof, an element having two side members each having a free end, between which ends said body is received, a pivotal connection between the said last body and the side members of said element permitting the latter to swing in a vertical plane, and means at the forward end of said element for receiving said coupling pin, the said ends of the element being adapted to engage said ears to maintain the element in a predetermined position.

1,985,380
HOPPER CAR
Harry M. Pflager, St. Louis, Mo., and Einar G. Hallquist, Edwardsville, Ill., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application September 15, 1930, Serial No. 482,034
23 Claims. (Cl. 105—249)

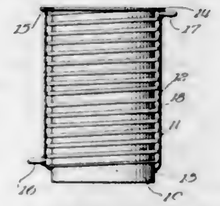
1. In a railway car underframe, a side sill of angle cross section, the horizontal flange of said

sill having a downwardly and inwardly inclined extension forming a hopper side wall element



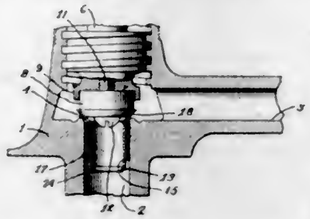
projecting below the remainder of the sill structure.

1,985,381
ICE CREAM FREEZER
George Richards, Chicago, Ill.
Application September 14, 1932, Serial No. 633,133
1 Claim. (Cl. 257—212)



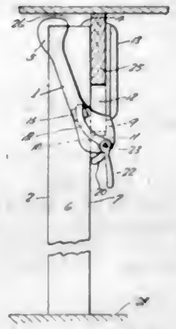
An ice cream freezer comprising an inner cylinder having an outwardly extending annular flange formed at its uppermost edge, an annular groove formed on the underside of said flange and arranged in spaced relation to the outer wall of said cylinder, an outer cylinder arranged in spaced relation to the said inner cylinder and having its upper edge received within the annular groove to form a gas tight joint therewith, the lower edge of said outer cylinder being formed with an inwardly extending flange for engaging the inner cylinder and to be soldered thereto to form a gas tight joint therewith, a spiral formed of wire material and having its convolutions spaced apart, the said spiral being arranged in the space between the said cylinders to form a spiral passage in the said space.

1,985,382
FAUCET
Nathan Schachter, Chicago, Ill.
Application November 11, 1932, Serial No. 642,164
3 Claims. (Cl. 251—167)



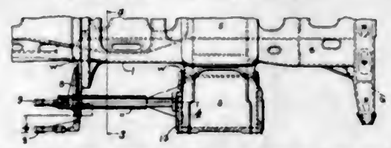
3. A faucet including, in combination, a body having a fluid passageway therein, a valve in said body, a valve seat element partially disposed within the passageway, said valve seat element having one end thereof flared outwardly to receive the valve and the opposite end deflected inwardly, and a resilient packing means in the passageway and engaged around an intermediate portion of the valve seat element to hold all points thereof spaced from the body to permit limited universal movement of the valve seat element.

1,985,383
BUILDER'S TOOL OR IMPLEMENT
Frank Seninger, Frank A. Goeke, Albert A. A. Nash, and Louis A. Dell'Orco, St. Louis, Mo.
Application September 22, 1932, Serial No. 634,332
5 Claims. (Cl. 304—40)



1. In a device of the kind described, a pair of arms for positioning angularly across two opposite sides of the upper end of a post, the upper ends of the arms having inturned lugs for engaging the top of the post, the lower ends of the arms being adapted to protrude laterally of the intermediate face of the post and having inturned lugs thereat for engaging the post and also for jointly forming a stirrup, a beam rest removably mounted in the said stirrup, and means for tightening the assembly to the post.

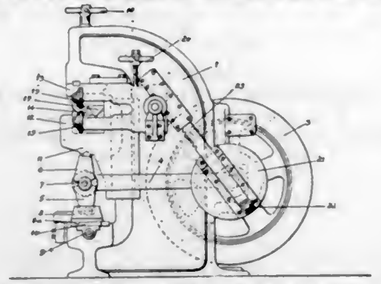
1,985,384
LOCOMOTIVE STRUCTURE
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 26, 1930, Serial No. 504,690
3 Claims. (Cl. 105—172)



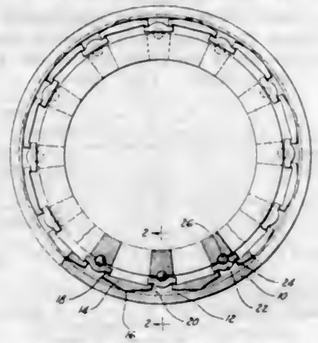
1. In a locomotive, a side frame, a lateral projection thereon, a steam cylinder, and a pilot beam projecting in front of said cylinder, all integral with each other, and a cross head guide, a cross head guide yoke, and a cylinder rear head integral with each other and united with said lateral projection and cylinder by welding to form a single integral structure thereby permitting boring of said cylinder from the rear.

1,985,385
APPARATUS FOR BENDING SHEET OR STRIP METAL
Carl Gustaf Leonard Sjölander, Gottenborg, Sweden
Application January 18, 1932, Serial No. 587,314
13 Claims. (Cl. 153—12)

1. In a device for shaping sheet metal, the combination of a reciprocating press, feeding means for a sheet, and shaping tools for producing a gradually progressing bending of the sheet along a transverse section with respect to the direction of feeding movement of the sheet, said tools comprising a plurality of sections, each thereof consisting of a plurality of supports and tool members therefor, one of the latter being self-adjustable with respect to its support and adapted to perform a working movement in its self-adjustment by pressure exerted against it during reciprocation of the press.

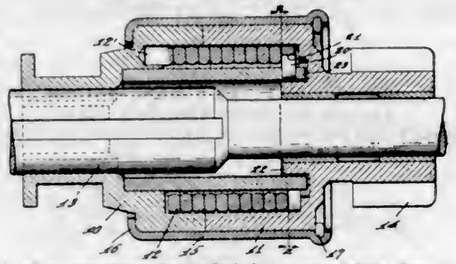


1,985,386
BEARING
Marshall A. Smith, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 11, 1932, Serial No. 598,242
14 Claims. (Cl. 308—219)



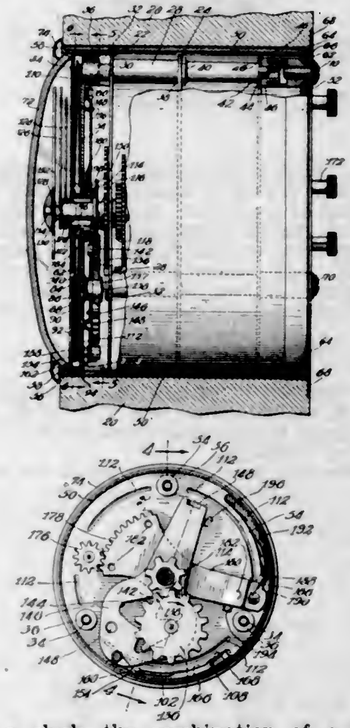
1. A thrust bearing comprising a pair of opposed races having oppositely beveled faces, tapered rollers positioned between the beveled faces, and self equalizing means including an outer annular ring member and levers engaging the outer ends of the rollers and said ring member.

1,985,387
SPRING CLUTCH
William Carleton Starkey, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a corporation of Indiana
Application September 9, 1929, Serial No. 391,272
11 Claims. (Cl. 192—41)



1. An overrunning clutch comprising two coaxial, relatively rotatable, complemental clutch members, one of said members being provided with an axial circular recess, a coil spring disposed in said recess and having one end thereof operatively connected to the other of said members so as to rotate therewith, said spring having a normal diameter less than that of the recess and being normally free from operative connection with the recessed clutch member, and means operable in response to relative rotation of the two clutch members in the direction tending to unwind the spring for exerting a wedging action in a radial direction on the other end of the spring in order operatively to connect said other end of the spring and the recessed clutch member.

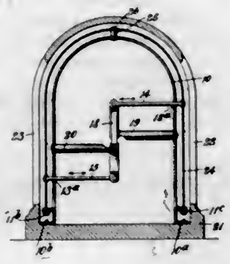
1,985,388
CALENDAR CLOCK
George H. Stephens, Northbrook, Ill., assignor to The Hammond Clock Company, Chicago, Ill., a corporation of Delaware
Application June 17, 1931, Serial No. 545,033
9 Claims. (Cl. 58—4)



1. In a clock, the combination of a motive mechanism including a gear train, a face dial having a pair of sight apertures therein, a day-indicating dial and a date-indicating dial behind said face dial so as to have the indications thereof observable through the apertures in said face dial, said day dial having a plurality of apertures therein through which the indications of said date dial may be observed, said date dial and day dial each having ratchet teeth formed thereon, common intermittently operable pawl means engageable with said ratchet teeth of said dials to rotate the latter, means driven from said clock gear train for moving said pawl means to and fro at a relatively slow speed, and a separate manually operated pawl engageable with the ratchet teeth on said dials for setting the latter.

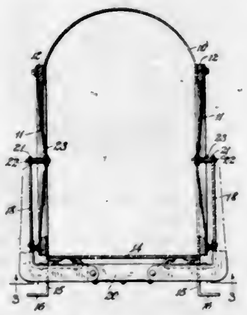
3. In a clock, the combination of a plurality of relatively movable dials and levers for operating said dials, means to support said dials and levers for rotation about a common axis, and spacing projections formed upon some of said levers and dials operative slightly to flex the peripheral portions of said dials toward one another and thereby to cause a limited amount of friction between said parts.

1,985,389
SOUND REPRODUCING DEVICE
Harry R. Van Deventer, New York, and Samuel C. McKeown, Mount Vernon, N. Y., assignors to Patent Engineering Corporation, a corporation of Delaware
Application October 22, 1931, Serial No. 570,292
13 Claims. (Cl. 179—110)



3. A sound reproducing device comprising a supporting frame, a diaphragm flexed to form a portion of a cylinder mounted on said frame, vibratory means connected to said diaphragm and supported on said frame, and a cabinet surrounding and enclosing said supporting frame, said cabinet having apertures therein adjacent the vibratory surface of said diaphragm.

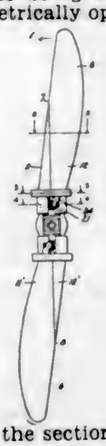
1,985,390
SOUND REPRODUCING DEVICE
Harry R. Van Deventer, New York, N. Y., assignor to Patent Engineering Corporation, a corporation of Delaware
Application April 7, 1932, Serial No. 603,792
9 Claims. (Cl. 179—110)



1. A sound reproducing device comprising a rigid non-vibratory supporting frame, a diaphragm dished inwardly towards said frame and supported thereby, and a piezo electric crystal having an actuating arm secured thereto and entering the concave side of said diaphragm at substantially the center thereof, said crystal being supported on said frame.

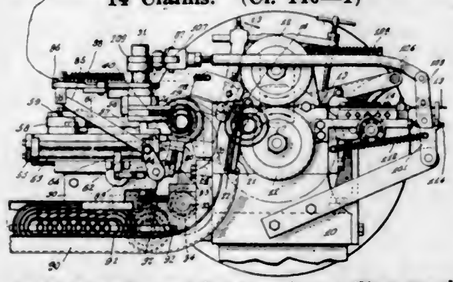
1,985,391
PROPULSION DEVICE
Alfred Vischer, Jr., Ridgewood, N. J.
Application May 14, 1932, Serial No. 611,249
4 Claims. (Cl. 170—162)

1. A fluid propulsion device comprising a hub portion, a plurality of members extending therefrom, said members being divided radially, a section of one member being a continuation of a section of the diametrically opposite member and



means for moving the sections relatively to each other.

1,985,392
SPRING FORMING MACHINE
William E. Wunderlich, Muncie, Ind.
Application April 10, 1933, Serial No. 665,330
14 Claims. (Cl. 140—1)



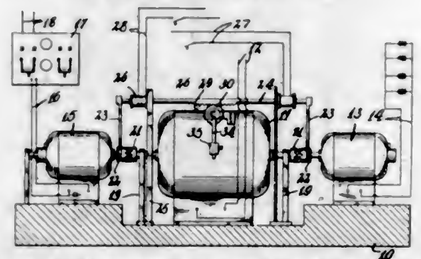
1. An attachment for a spring-coiling machine having a frame, coiling mechanism, and a cut-off device, comprising a sub-frame adapted to be mounted in juxtaposition to the frame of said spring-coiling machine, knotting mechanism mounted in said sub-frame, transfer mechanism mounted in said sub-frame for carrying a coiled spring from said coiling mechanism to said knotting mechanism, a second transfer mechanism mounted on said sub-frame for carrying knotted springs from said knotting mechanism, a shaft supported in said sub-frame, and means driven from said shaft for operating said knotting mechanism and said two transfer mechanisms.

1,985,393
HEADLIGHT FOCUSING GAUGE
Francis Zwiercan, Pittsfield, Mass.
Application November 11, 1932, Serial No. 642,297
1 Claim. (Cl. 33—180)



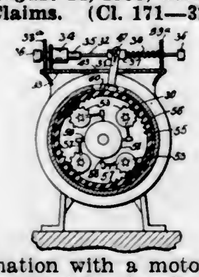
A headlight focusing gauge comprising a rigid integral channeled bar provided with longitudinal slots in the base of its channel, pairs of headlight engaging blocks having portions slidably seating in the channel of the bar, bolts carried by the blocks and passing therethrough, the threaded ends of the bolts projecting through the slots in the bar, clamping nuts mounted on the ends of the bolts and bearing against the bar, and lock nuts mounted on the bolts and embedded in the blocks.

1,985,394
CLUTCH OPERATING MECHANISM
John Anderson, New York, N. Y.
Application July 3, 1929, Serial No. 375,623
Renewed May 19, 1934
2 Claims. (Cl. 192—84)



1. In a device of the class described, two clutches for connecting two driving members with a driven member, and means normally urging both clutches into a neutral position, comprising a bar with rack teeth, a gear engaging said teeth, and means for urging said gear into a predetermined position, comprising a central section rotatively mounted within said gear, a radius arm and weight fixed to said central section, and means for holding said central section in fixed adjusted positions relative to said gear.

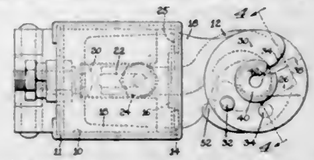
1,985,395
BRUSH CONTROL FOR MOTOR COMMUTATORS
John Anderson, New York, N. Y.
Application August 14, 1933, Serial No. 684,991
6 Claims. (Cl. 171—324)



1. In combination with a motor or other device having a commutator, brushes for said commutator on pivotally mounted arms and insulated from said device, pinions fixed upon the pivots of said brushes, an annular rack meshing with said pinions and insulated from said device, and means for turning said rack to move the brushes into operative or inoperative positions, comprising a radial arm projecting from said annular rack, a bracket, a rod slidably mounted in said bracket and connected with said radial arm to move the radial arm so as to pivot the rack, and a solenoid connected with said rod to move the rod.

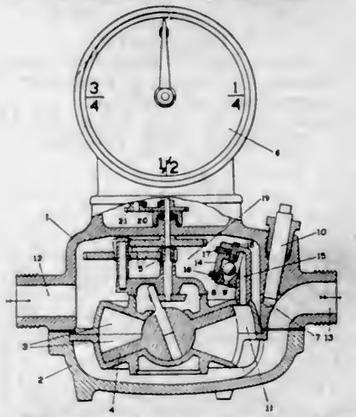
1,985,396
FEELER
George M. Arragg, Lawrence, Mass., assignor to Arlington Mills, Lawrence, Mass., a corporation of Massachusetts
Application April 6, 1933, Serial No. 664,759
5 Claims. (Cl. 117—28)

1. A feeler for a stop motion comprising a lever, a plate pivoted on the lever, the lever and plate having central openings, and an eye having an annular groove to receive the edges of the lever



and the plate, the lever and plate lying against each other and having non-coincident passages leading to the eye.

1,985,397
LIQUID METER
Robert S. Bassett, Buffalo, N. Y.
Application November 5, 1932, Serial No. 641,374
8 Claims. (Cl. 73—98)

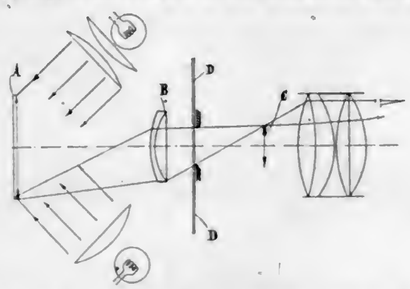


1. In a liquid meter a casing provided with a liquid inlet and liquid outlet; a semi-positive liquid operated measuring mechanism interposed between said inlet and said outlet; a registering indicator; means whereby said indicator is operatively connected to and operated by said mechanism; a by-pass duct adapted to pass around said mechanism a portion of the liquid to be measured; and a weighted automatic throttling device regulating the flow through said by-pass duct, arranged to close on low flows in opposition to the flow through said duct and to open on all high flows, and comprising a hollow chamber body, a weighted ball, a tapered valve seat co-acting with said ball, and adjusting means mounted on said body and controlling the upward limit of travel of said ball; substantially as and for the purpose described.

1,985,398
ILLUMINATING DEVICE FOR GOFFERED FILMS
Rodolphe Berthon, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y., a corporation of Delaware
Application February 28, 1929, Serial No. 343,297
In France March 5, 1928
3 Claims. (Cl. 88—16.4)

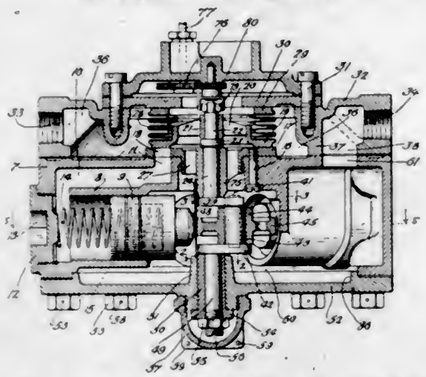
1. A lighting or illuminating device for goffered film, comprising a highly-illuminated diffusing surface having the same form or shape as the pupil to be reproduced and being set on the optical axis in a non-symmetrical manner with respect to said pupil; a lens having a relative aperture greater than the one of the picture taking lens and giving in a line with its optical axis a clear image of the pupil to be reproduced as to

size, position and form; the film to be projected occupying, with respect to the image of the pupil,



substantially exactly the position which it occupied on picture taking with respect to the pupil of emergence of the picture taking camera.

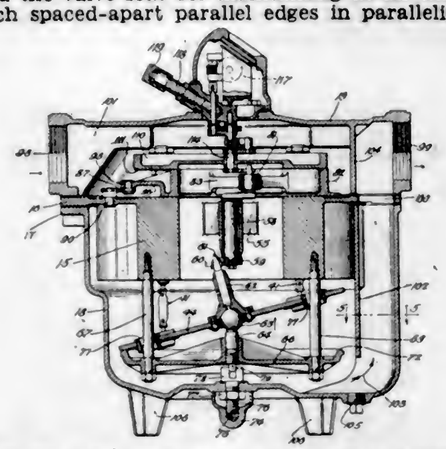
1,985,399
FLUID METER
Hosmer L. Blum, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application July 29, 1930, Serial No. 471,553
21 Claims. (Cl. 73—30)



1. In a displacement meter, the combination with a plurality of radially arranged cylinders and pistons, of a shaft, a crank connected to said shaft and having a slot in its free end, a roller cam in position to be engaged by the inner ends of said pistons, a bearing for said cam, a crank connected to the lower end of said bearing, a projection from the upper end of said bearing into said slot, a shaft connected to said last-named crank, an eccentric bushing for said last-named shaft, a bearing for said bushing, and means for securing said shaft to said bushing in adjusted position to vary the axis of bodily rotation of said roller cam and the bearing therefor to effect adjustment of volumetric displacement.

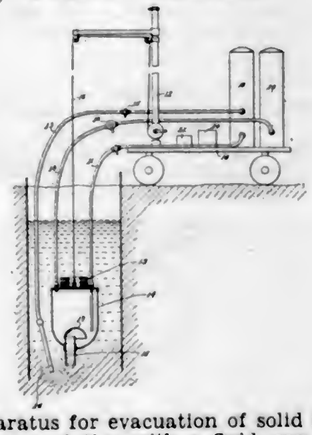
1,985,400
FLUID METER
Hosmer L. Blum, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application July 29, 1930, Serial No. 471,554
15 Claims. (Cl. 73—30)

1. In a meter, the combination with displacement mechanism, of means affording a plurality of ports therefor each having spaced-apart parallel walls, a valve member associated with means forming a space for fluid flow from said ports, said valve member having inner and outer edges in spaced-apart parallel relation with the walls of adjacent ports, parallel motion mechanism including pivoted connections between the valve and the valve seat for maintaining at all times such spaced-apart parallel edges in parallelism



with the adjacent parallel port walls, and means operatively associated with the displacement mechanism for operating said valve.

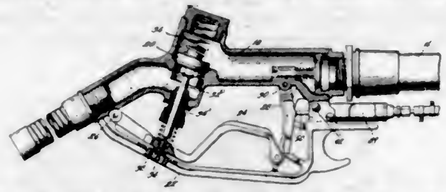
1,985,401
APPARATUS FOR SEMIFLUID AND FLUID EVACUATION
Timothy F. Callahan, Quincy, Mass.
Application July 30, 1930, Serial No. 471,853
4 Claims. (Cl. 214—1)



1. Apparatus for evacuation of solid materials which, in association with a fluid, can be made to flow, comprising a fluid-tight receptacle having a bottom inlet and discharge opening; a flexible conduit leading out of the receptacle at an upper location; a valve for said conduit whereby the interior of the receptacle may be opened or closed to atmosphere at will; a hood interiorly of the receptacle and arranged across said opening, in spaced relation thereto and adapted for liquid contents of the receptacle to accumulate thereunder to provide, in conjunction with atmospheric pressure at said opening, a liquid seal against outflow from the receptacle so long as said valve is closed.

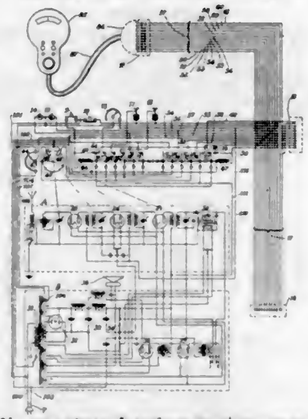
1,985,402
HOSE NOZZLE
Carl E. Carlson, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application January 23, 1933, Serial No. 653,016
10 Claims. (Cl. 221—95)

1. In a liquid dispensing system, a liquid delivery line terminating in a flexible hose, controllable means for supplying liquid through said line and hose, a valve controlling discharge through the hose, and operating means for start-



ing the liquid supplying means and opening the valve simultaneously and for closing said valve and for stopping said means after the valve has been closed.

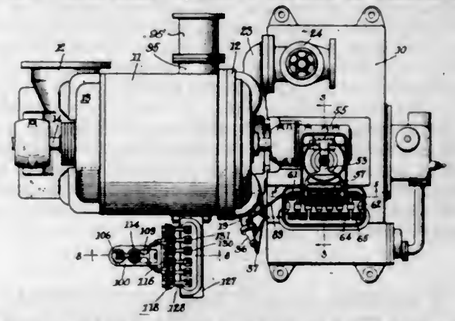
1,985,403
RADIO RECEIVING APPARATUS
Lewis M. Clement, Mountain Lakes, N. J., assignor, by mesne assignments, to Federal Telegraph Company, Newark, N. J., a corporation of California
Application May 10, 1929, Serial No. 361,982
15 Claims. (Cl. 250—20)



2. A radio receiver having motor operated tuning apparatus including a motor rotatably connected to the common shaft of a plurality of tuning elements, means including variable resistances for controlling the direction of rotation of said motor and the speed thereof, remote control means for energizing and de-energizing said radio receiver, local control means for said receiver, said local and remote control means comprising relays located at said receiver, said relays being operative to change the control of said receiver from one position to another.

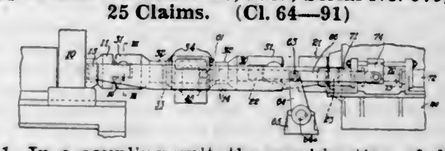
1,985,404
MEANS FOR REGULATING A STEAM TURBINE
Josef Y. Dahlstrand, Burlington, Iowa, assignor to Murray Iron Works Company, Burlington, Iowa, a corporation of Iowa
Application January 23, 1933, Serial No. 653,047
10 Claims. (Cl. 253—59)

1. In a steam turbine, a wheel having buckets thereon, a plurality of nozzles for emitting jets of steam to the buckets on said wheel, a needle valve for each of said nozzles and shaped to determine the expansion ratio of the nozzle with which it cooperates when extended into the inlet of said nozzle and movable between closed and wide open positions relative to said inlet and into positions intermediate the closed and wide open positions, the position of said needle valves relative to the inlets of said nozzles regulating steam emission from the nozzles, fluid operated means for independently effecting movement of the needle valves into closed and wide open positions and positions intermediate the closed and wide open positions, means for controlling operation of the turbine proportionately to operating conditions thereof and operable to selectively actuate said fluid operated means to selectively



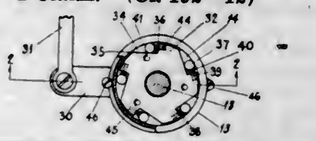
position said needle valves in closed or wide open positions or in positions intermediate closed and wide open positions to regulate steam emission to said buckets, and second fluid operated means cooperating with the first fluid operated means to hold said needle valves in the positions into which they are moved upon operation of the means controlling operation of the turbine, said means controlling operation of the turbine including pilot valves for regulating flow of fluid to the first and second fluid operated means.

1,985,405
ROLLING MILL CONNECTER
William L. Ditges, Pittsburgh, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
Application November 17, 1931, Serial No. 575,499
25 Claims. (Cl. 64—91)



1. In a coupling unit, the combination of driving and driven members, an intermediate member connecting said driving and driven members, a unit for moving said intermediate member with respect to said driving and driven members, said unit including a bearing portion journalled to said intermediate portion, and an adjacent abutting portion, said bearing portion being movably supported within said abutting portion.

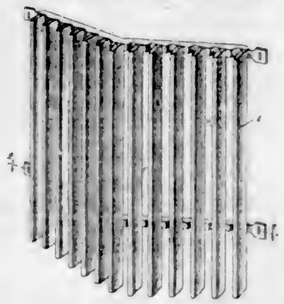
1,985,406
INTERMITTENT DRIVING MECHANISM
Nathan B. Galkin, New York, N. Y.
Application January 4, 1934, Serial No. 705,214
1 Claim. (Cl. 192—12)



An intermittent driving mechanism comprising a shaft, an oscillatable clutching detent carrier positioned in spaced relation with a fixed

braking detent carrier, both carriers being mounted concentrically with said shaft, said detent carriers being housed within an annular casing fixed to said shaft, said oscillatable clutching detent carrier having peripheral recesses with curved and eccentric bottom surfaces, radial walls and coil springs mounted in perpendicular relation with said walls to gradually wedge the clutching surfaces, said braking detent carrier having peripheral recesses with flat bottom surfaces, radial walls and coil springs mounted in perpendicular relation with said walls to provide quick-release braking surfaces, a spring pressed detent roller in each of said recesses and extending therethrough into forced contact with the inner surface of said casing, a fixed cover secured to said braking detent carrier, a vibratory arm and cover secured to said oscillatable clutching detent carrier, said casing having flanges in engagement with the heads of screws in said covers and connecting said covers and casing into unitary relation.

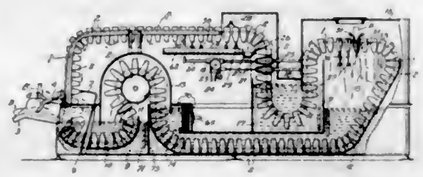
1,985,407
PARALLEL-BLADE RADIATOR GRILLE
Lee B. Green, Lakewood, Ohio, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio, a corporation of Ohio
Application May 24, 1934, Serial No. 727,268
7 Claims. (Cl. 293—54)



1. An upright grille presenting a forwardly convexed front, comprising upright and coparallel blades of rearwardly open channel section each having its channel webs of equal width; and a cross-bar extending behind the blades transversely of the latter and secured to all of the blades; the cross-bar having its frontal portion formed into steps receding consecutively from the mid-length of the cross-bar toward each end of the said bar, and each blade having both of its channel webs anchored to a single one of the said treads.

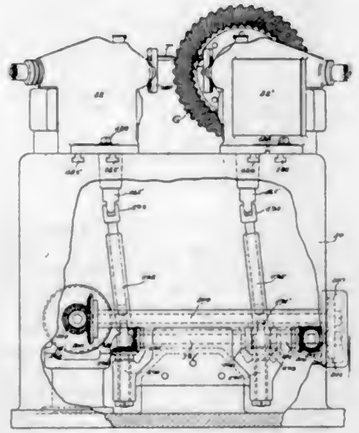
1,985,408
APPARATUS FOR CLEANING BOTTLES
James L. Herold and Joseph W. Dawson, St. Louis, Mo., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo., a corporation of Missouri
Application March 5, 1929, Serial No. 344,202
10 Claims. (Cl. 15—61)

1. In a bottle cleaning apparatus, a preliminary soaking compartment adapted to contain warm liquid, an intermediate soaking compartment adapted to contain a liquid at a higher temperature, another soaking compartment adapted to contain liquid at a temperature lower than that of the intermediate compartment, an endless bottle-carrier traveling through said compartments in the order named to subject the bottles to successive soaking operations while gradually increasing and then gradually decreasing the temperature of the bottles, the last mentioned soaking compartment having its bottom wall and one of its side walls in contact with the hot liquid in said intermediate compartment, said intermediate compartment being provided with a wall contacting with the hot liquid there-



in and also with the relatively cool liquid in said preliminary soaking compartment, so as to transfer heat from the hottest liquid to the cooler liquid in said preliminary soaking compartment, and means for heating the liquid in said intermediate compartment to maintain the desired temperatures.

1,985,409
METHOD OF AND MACHINE FOR CHAMFERING GEARS
Maxwell H. Hill, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application August 10, 1931, Serial No. 556,135
22 Claims. (Cl. 90—1)

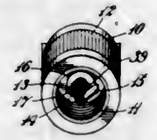


1. The method of chamfering the ends of gear teeth which comprises positioning a cutting tool in engagement with a gear so that its cutting edge is inclined to a side surface of a tooth of the gear, and moving the tool in a curved path and in a direction following generally along the profile of the tooth.

5. In a machine for chamfering gears, a work support adapted to carry the gear to be chamfered, an oscillatory tool support, a tool mounted thereon having a cutting edge at one side thereof and having said side relieved back of said cutting edge, means for adjusting the tool and work supports into operative relation so that the axis of swing of the tool support is inclined at an acute angle to one end face of the gear, and means for swinging the tool support about its axis to move the tool along the length of tooth profiles of the gear.

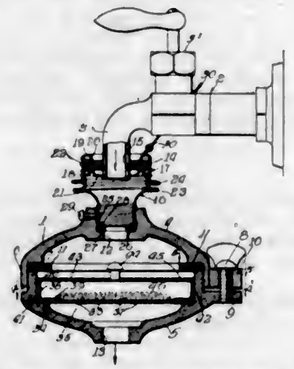
CARNEGIE LIBRARY OF ATLANTA

1,985,410
SPARK PLUG CLEANING AND SETTING TOOL
William Henry Tuckwell Isaacs, Great Bookham, England
Application December 10, 1932, Serial No. 646,626
In Great Britain August 30, 1932
10 Claims. (Cl. 15—104.01)



1. A tool for cleaning and setting closer together the electrodes of spark plugs having a free spark gap and a central electrode and at least one earthed electrode which includes a gauge element for the spark gap adapted to contact with said central electrode, the portion of said element which contacts said central electrode having an abrasive surface, and means to press said earthed electrode into contact with said gauge element when the latter is inserted in said gap and contacting said central electrode.

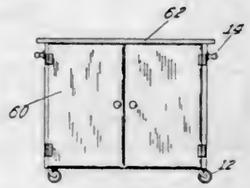
1,985,411
FAUCET FILTER
John D. Houck, Chicago, Ill.
Application June 13, 1932, Serial No. 616,965
6 Claims. (Cl. 210—87)



1. In a filter of the kind described, a foraminous support for a filter sheet, a filter sheet thereon, means covering and protecting a part only of the filter sheet, pulverulent filtering material on the uncovered part of the filter sheet, and means spaced above the filter sheet arranged and adapted to direct the passing liquid first upon the means protecting a part of the filter sheet.

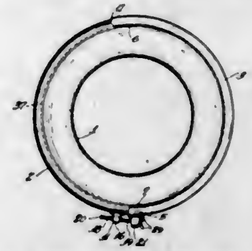
1,985,412
PORTABLE BAR
Robert W. Jackson, Evanston, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application January 29, 1934, Serial No. 708,748
1 Claim. (Cl. 296—24)

A portable bar, compris ng a housing including a plurality of compartments, swivel supporting wheels for said housing, a set of doors and a shiftable top for the housing, said shiftable top adapted to be opened forwardly to comprise a serving bar, and collapsible supports for the top when in open position, certain of the compartments being positioned in the upper surface and other compartments positioned in the lower portions of the housing; certain of the compartments of the upper portion of the housing comprising circular receptacles, for bottles, and certain other compartments comprising receptacles



for ice; the bottle compartment surrounding the ice receptacle whereby all of said compartments are cooled by the ice in the receptacle; a draincock for the ice compartment; a workboard forming part of the said upper surface; and a sliding cutting-board mounted beneath the workboard.

1,985,413
TIRE COVER
Herbert S. Jandus, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application December 1, 1930, Serial No. 499,266
6 Claims. (Cl. 150—54)



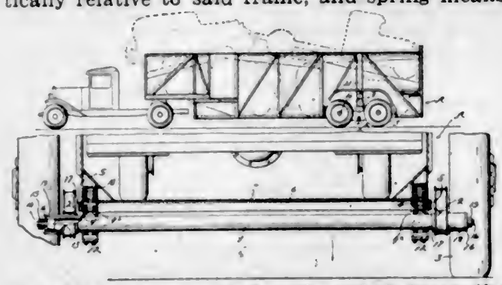
1. A divided cover for an automobile spare tire, said cover comprising a pair of substantially semicircular segments, one end of one of said segments being provided with a longitudinal series of slots and the adjacent end of the other segment being provided with a projection for selective engagement in any of said slots whereby the cover may be adjusted for tires of various sizes, and means for securing the other ends of said segments against unauthorized separation.

1,985,414
VEHICLE SPRING ASSEMBLY
Irving H. Judd, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application November 21, 1932, Serial No. 643,781
12 Claims. (Cl. 280—106.5)

1. In a vehicle spring assembly, a chassis frame, spring means for cushioning said chassis frame, an upright side frame member spaced above said chassis frame, and a support for said member including a housing for the spring means aforesaid secured to said chassis frame.

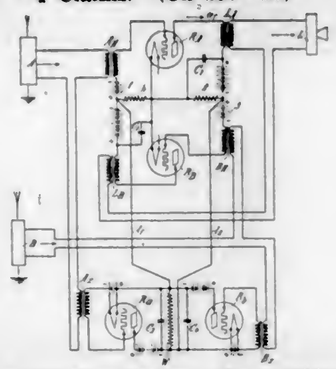
8. In a vehicle spring assembly, a chassis frame, and supporting means for said frame comprising walking beams upon opposite sides of said frame, ground engaging wheels carried by said walking beams at opposite ends thereof, a transversely extending non-rotatable axle beneath said frame and terminally connected to said walking beams intermediate their ends, said

axle being below the wheel axes and movable vertically relative to said frame, and spring means



for said frame supported on the axle between the axis of the axle and the axes of said wheels.

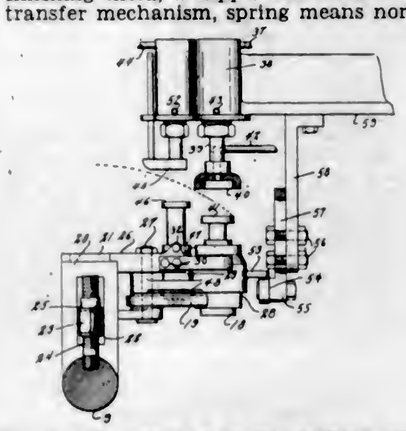
1,985,415
SIGNALING SYSTEM
Heinz Kallmann, Berlin-Neutempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany
Application October 16, 1931, Serial No. 569,196
In Germany October 17, 1930
4 Claims. (Cl. 250—20)



1. In a signaling system, the combination of two receivers, a pair of electron tubes each having a grid and an anode circuit, means for connecting the output of one receiver to one grid circuit and the output of the other receiver to the other grid circuit, an indicator of reception, means for connecting the indicator to the anode circuits of said tubes, a resistance connected in the grid circuit of each tube and also disposed in the anode circuit of the other tube, a pair of auxiliary electron tubes each having a grid and an anode circuit, means for connecting the grid circuit of each auxiliary tube to the output of a different one of said receivers, a resistance common to the anode circuits of the auxiliary tubes, means for causing a drop in potential across said common resistance, and connections from said common resistance to the grids of the first named tubes over which the drop in potential across said common resistance is impressed on said grids.

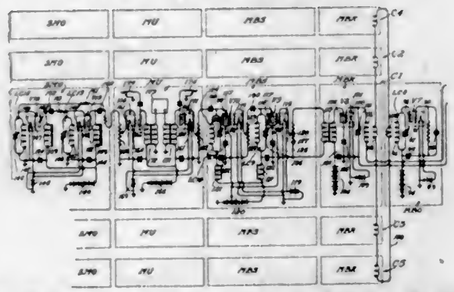
1,985,416
GLASS BLANK TRANSFER
Clarence C. Kinker, Toledo, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application August 1, 1929, Serial No. 382,667
9 Claims. (Cl. 49—9)

1. In a glass forming machine, the combination of a blank mold carriage and a finishing mold carriage arranged side by side, a blank mold and a finishing mold carried by said carriages respectively, said carriages being rotatable in synchronism about vertical axes, transfer mechanism having permanent operating connections with the blank mold carriage and operable to transfer a parison from the blank mold and move it laterally into position to be enclosed by the finishing mold, a nipple box mounted with the transfer mechanism, spring means normally



positioning the nipple box for shifting with the transfer mechanism, inter mold effective holding means anchoring the nipple box and opposing said spring means in causing the mechanism to travel with the finishing mold in an arc concentric with the arc of the finishing mold carriage a predetermined distance while holding the parison, and means for blowing the glass to final shape in the finishing mold, said transfer mechanism being mounted on one of said carriages.

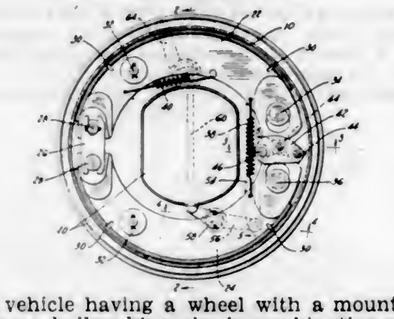
1,985,417
RADIO COMMUNICATION SYSTEM
Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y., a corporation of New York
Application December 31, 1929, Serial No. 417,684
6 Claims. (Cl. 250—17)



1. In a radio communication system, a plurality of apparatus sets for producing oscillations of a plurality of different but closely adjacent frequencies to operate a plurality of distinct communication channels, each set having a low energy master oscillator arranged to continuously produce oscillations of a frequency assigned to the particular communication channel, an amplifier for amplifying the output of said master oscillator, a second amplifier and means associated therewith for modulating the oscillatory output thereof under elimination of reactions on said master oscillator through the interposition-

ing of said first amplifier between said master oscillator and said modulating means, a power amplifier connected to the output terminals of all of the amplifiers of the several sets for combining the modulated output of the amplifiers of said sets and for further amplifying the combined output, an aerial for radiating the combined amplifier output of said power amplifier, said power amplifier being substantially equally effective in amplifying the output of the apparatus of the several communication channels connected to it while discriminating against oscillations of frequencies remote from the frequencies of the individual channels connected to it, means for heterodyning the unmodulated output from each of said master oscillators with a standard source of high frequency energy differing from the frequency of each of said master oscillators an amount such that relatively low frequency beats will be produced between said standard source and each of said master oscillators, and means for comparing each of said low frequency beats with a standard generator having a frequency equal to the normal frequency of the beat to which it is to be compared.

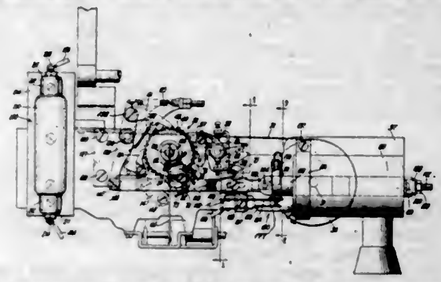
1,985,418
BRAKE
Eugene G. McDonald, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application December 17, 1930, Serial No. 502,910
3 Claims. (Cl. 188—194)



1. A vehicle having a wheel with a mounting including a hollow king pin, in combination with a brake of the shiftable-anchorage type having a floating applying device, a lever connected to the applying device and having a part in line with the king pin, and force-transmitting means acting through the hollow king pin on said part of the lever.

1,985,419
CARRIAGE DRIVING AND HAMMER RETURNING MEANS
Alfred E. Oswald, Hackensack, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application July 7, 1931, Serial No. 549,170
8 Claims. (Cl. 197—49)

8. In a typewriting machine, the combination of printing instrumentalities including two elements, namely a settable type carrier and an element to cooperate with any one of the types to cause them to print, means operable by said key levers to effect the setting of said type carrier, means to effect the actuation of one of said printing elements toward the other to effect the printing, means including a spring to return the operated printing element, electric means, means operable by said key levers to render the electric means effective to cock the means which includes the spring, at each actuation of any one of the



key levers, and means whereby the electric means may be rendered ineffective after the means including the spring has been cocked and while the active key lever is still in its actuated position.

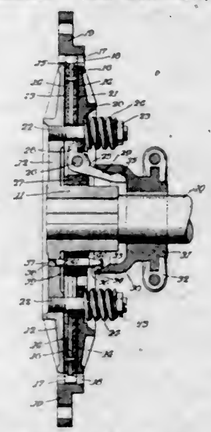
1,985,420
MAGNESIUM BASE ALLOY
Roy E. Paine, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application May 18, 1934, Serial No. 726,289
3 Claims. (Cl. 75—1)

1. A magnesium base alloy composed of magnesium and about 1 to 15 per cent of tin, 0.1 to 10 per cent of zinc, 0.1 to 2 per cent of manganese and 0.1 to 1.5 per cent of silicon.

1,985,421
MAGNESIUM BASE ALLOY
Roy E. Paine, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application May 18, 1934, Serial No. 726,299
3 Claims. (Cl. 75—1)

1. A magnesium base alloy composed of magnesium and from about 1 to 15 per cent of tin, 0.1 to 10 per cent of zinc and 0.1 to 1.5 per cent of silicon.

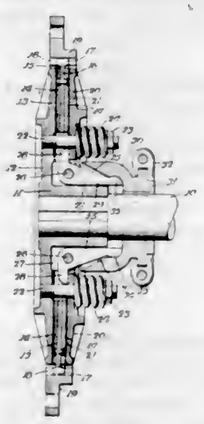
1,985,422
CLUTCH
William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application March 28, 1932, Serial No. 601,494
4 Claims. (Cl. 192—68)



1. The combination of a driving plate shiftably connected to a rotary part, a fixed plate con-

nected to a second rotary part and disposed on one side of said driving plate, a pressure plate connected to said fixed plate and disposed on the opposite side of said driving plate, clutch levers mounted for simultaneous adjustment on said fixed plate, each having an arm engaging a substantially aligned continuation of the working face of said pressure plate, and means for rocking said levers to release said pressure plate.

1,985,423
CLUTCH
William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application April 14, 1932, Serial No. 605,139
3 Claims. (Cl. 192—68)

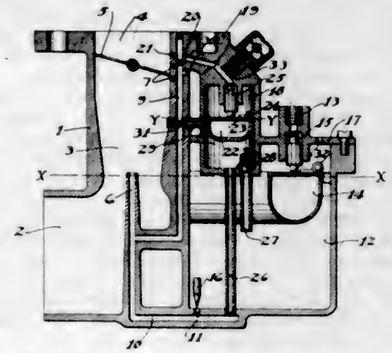


1. In a spring loaded clutch, the combination of a driving plate shiftably connected to a rotary part, a fixed plate connected to a second rotary part and disposed on one side of the driving plate, a pressure plate disposed on the opposite side of the driving plate, studs mounted in the fixed plate and extending through the pressure plate, springs on the studs externally of the pressure plate adapted to place the driving plate in engagement with the fixed and pressure plates, respectively, bell crank levers pivotally mounted directly on the fixed plate, each having an arm engaging the inner face of the pressure plate and a second arm projecting externally of the pressure plate, and means engageable with the second arms for rocking the levers to release the pressure plate.

1,985,424
ALKYLENE-OXIDE DERIVATIVES OF POLY-HYDROXYALKYL-ALKYLAMIDES
Henry Alfred Piggott, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 15, 1934, Serial No. 715,776. In Great Britain March 23, 1933
20 Claims. (Cl. 260—124)

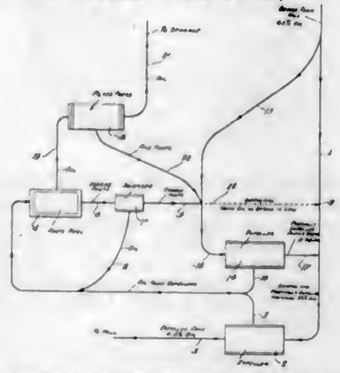
1. The process for the manufacture of new textile assistants which consists in condensing an aliphatic carboxylic acid, containing not less than 10 atoms of carbon with an amine of the general formula HNR_1R_2, wherein R_1 is hydrogen or alkyl while R_2 is a polyhydroxy-alkyl radical containing at least 5 atoms of carbon, of which every one carries an hydroxyl group except that which carries the amine group.

1,985,425
CARBURETOR
Augustin M. Prentiss, San Antonio, Tex., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind., a corporation of Illinois
Application April 25, 1931, Serial No. 532,831
20 Claims. (Cl. 261—72)



1. In a carburetor having a float reservoir and a main fuel nozzle, an accelerating device comprising an accelerating fuel chamber, float controlled suction means for lifting fuel from said reservoir to said chamber, and gravity means for feeding said fuel from said chamber to said nozzle.

1,985,426
REMOVAL OF FOOTS FROM CRUDE OIL
Elbert Calvin Ragsdale, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application April 16, 1932, Serial No. 605,678
5 Claims. (Cl. 87—6)



1. The process of extracting oil from oil bearing material, which comprises delivering oil bearing material to an expeller for separating the oil from the cake, passing the oil through a filter to separate out the foots, delivering the foots with a percentage of oil to a squeezer for reducing the percentage of oil in said foots, and returning said foots to the oil bearing material.

1,985,427
FLEXIBLE FERRULE
William H. Richardson, Hamden, Conn.
Application January 6, 1934, Serial No. 705,638
10 Claims. (Cl. 287—85)

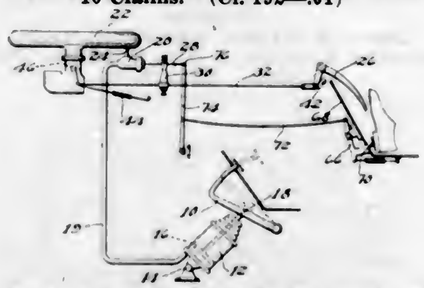
10. In a connecting means, a member having a longitudinally slotted portion and an unslotted portion beyond each end of said slotted portion, second and third members, and separate means

connecting the said second and third members with the unslotted portions only of the first mem-



ber whereby not to interfere with the flexing of the slotted portion thereof.

1,985,428
DECLUTCHING MECHANISM
Roy S. Sanford, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application August 7, 1931, Serial No. 555,694
10 Claims. (Cl. 192—.01)



1. In an automotive vehicle, the combination with a throttle controlled internal combustion engine, a clutch, a fluid operated motor for operating said clutch, a valve for controlling the operation of said motor, and fluid transmitting connections interconnecting said engine, valve and motor, of a manually operable member for controlling the operation of the engine throttle and valve, a connection between said member and throttle, force transmitting means for operating the aforementioned valve, means interconnecting said latter means and connection whereby the valve is rendered operable to engage the clutch with actuation of said manually operable member and other means connected to said force transmitting means providing supplemental means for operating said valve at the will of the driver to render said motor operative to disengage the clutch.

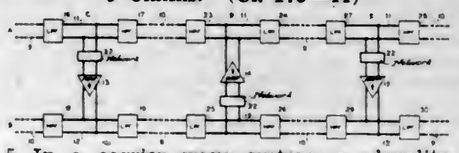
1,985,429
TIRE COVER
Bladen M. Short and Herbert S. Jandus, Detroit, Mich., assignors to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application September 22, 1930, Serial No. 483,524
6 Claims. (Cl. 150—54)

1. A tire cover including a resilient metallic split ring adapted to tightly grip a major portion of the outer periphery of a tire, and stiffening means therefor, said ring having an opening and said means having a tongue projecting



through said opening and engaging the face of the ring opposite that on which said means is disposed, whereby said ring and means are interlocked.

1,985,430
CARRIER TELEGRAPH SYSTEM
Rothwell E. Smith, Westfield, N. J., assignor to International Communications Laboratories, Inc., New York, N. Y., a corporation of New York
Application September 6, 1930, Serial No. 480,130
9 Claims. (Cl. 178—44)



5. In a carrier wave system, a plurality of transmission lines for transmitting signals located in different frequency groups over a plurality of transmission paths, amplifiers connected across said lines and thereby dividing said lines into sections, and means for confining signals of one frequency group to a single transmission path.

1,985,431
WAVE PRESSER
Nathan L. Solomon, Brooklyn, N. Y.
Application July 26, 1934, Serial No. 736,981
12 Claims. (Cl. 132—31)

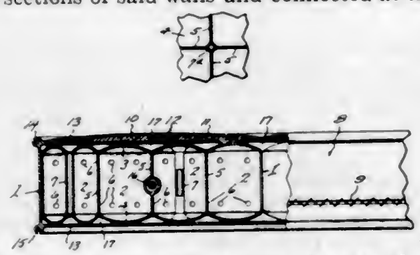


1. A hair wave presser, comprising, in combination, juxtaposed hingedly connected complementary clamping jaws each having a relatively elongated intermediate rectilinear portion, a hollow bead integrally depending from each intermediate portion of said jaws, each bead having a lower free portion comprising inwardly disposed spatially arranged teeth, and means normally holding the rectilinear portions of said jaws in close proximity and the teeth of said beads intermeshed, said beads constituting a housing for receiving and grasping the base of a wave of hair straddled by said jaws.

1,985,432
PNEUMATIC CUSHION MATTRESS OR THE LIKE
James O. Tucker and Leonard R. Kirst, New Orleans, La.
Application June 14, 1933, Serial No. 675,740
3 Claims. (Cl. 5—348)

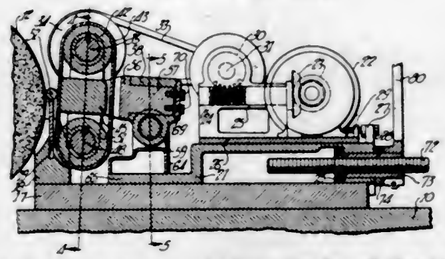
1. A cushion comprising an inflatable bag made up of a plurality of communicating compartments

having longitudinal and transverse side walls which are relatively stiffer than the top and bottom walls, and the top wall of which is flexible so that when inflated said top wall will be bulged outwardly to form a top surface having a plurality of convexities with longitudinal and transverse communicating depressions therebetween, ventilating tubes extending through the bag at the intersections of said walls and connected at their



upper ends to the lower points of some of said depressions, and an outer flexible casing enclosing said bag and having perforations communicating with said depressions, the top wall of said casing normally resting on the high points of said convexities, whereby said depressions form crossed communicating passages permitting longitudinal and transverse flow of air between the top wall of the casing and the top wall of the bag.

1,985,433
GRINDING MACHINE
Albert Turner, Shrewsbury, Mass., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 6, 1931, Serial No. 535,440
6 Claims. (Cl. 51—103)



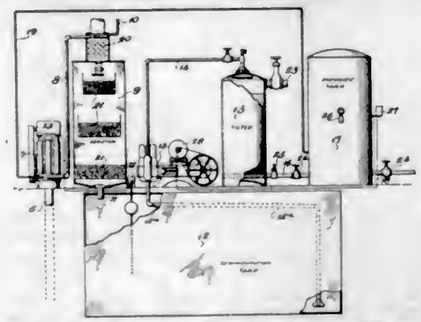
3. In a precision centerless grinder of the class described the combination of a bed, a pair of opposed grinding and work rotation controlling elements, one of said elements being in the nature of an endless non-compressible band, said elements being spaced from one another a distance to form a grinding throat, a work rest blade subtending the grinding throat and supporting a work piece thereon in simultaneous engagement with said grinding and work controlling elements, and means associated with the endless band for backing up said band at the point of contact thereof with the work for providing a non-yielding grinding throat.

1,985,434
MILLING MACHINE
Edgar D. Vancil, Cincinnati, and Henry J. Dods, Montgomery, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application March 31, 1930, Serial No. 440,411
5 Claims. (Cl. 308—70)

3. A milling machine having a column, a tool arbor journaled therein and projecting therefrom, an overarm mounted on the column parallel to the arbor and having a pendant for journaling the free end of the arbor, including a tapered bore formed in the pendant, a tapered split bushing in the bore having a threaded reduced end projecting from a face of the pendant which is normal to the axis of the bore, a rotatable nut member having a notched periphery received on the reduced end and dengaging said face for moving the bushing axially of the bore to reduce its internal diameter, a lock bushing adjacent the periphery of the member having an enlarged portion for retaining the member against the face of the pendant, a circumferential portion in the lock bushing interlocking with one of the notches for retaining the nut member against rotation, said lock bushing adapted to be rotated to present a flat to the member permitting rotation.



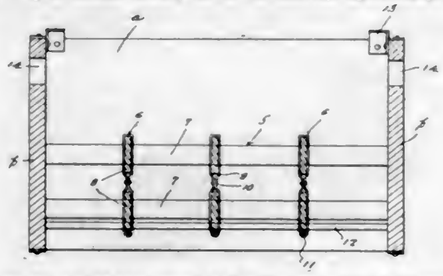
1,985,435
WATER PURIFICATION AND SUPPLY SYSTEM
Robert B. Watson, Whitehaven, Tenn.
Application February 1, 1934, Serial No. 709,378
6 Claims. (Cl. 210—26)



1. In a liquid purification apparatus, the combination with a pump and an air pressure tank, of an aerator connected to the pump, a sedimentation tank into which the aerator discharges, a filter having an inlet from the sedimentation tank and an outlet to the pressure tank, and a by-pass air line connecting the pump and the pressure tank.

1,985,436
BOTTLE CRATE
Edward M. Woodward, Largo, Fla.
Application March 8, 1934, Serial No. 714,705
1 Claim. (Cl. 217—22)

In a crate of rectangular construction consisting of side walls and end walls, transversely extending partition slats arranged in sets of a pair of vertically spaced slats each, continuous strap members arranged around each of the sets and being bound together at their intermediate portions and between the slats of the set, transversely extending rods at the bottom portion of the crate passing through the said straps, floor slats extending longitudinally of the crate and fitting snugly between the transverse rods and the lower partition slats, said vertically spaced partition slats being provided with openings therein and longitudinally extending partition slats extending through the said openings in the transverse partition slats.

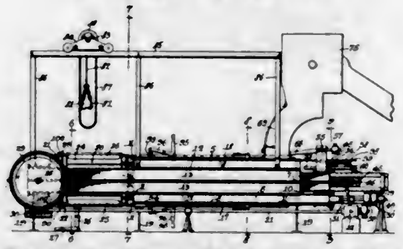


1,985,437
JAR COVER HOLDER
Ivan M. Bell, Yuma, Ariz., assignor of one-half to William H. Westover, Yuma, Ariz.
Application June 6, 1934, Serial No. 729,331
3 Claims. (Cl. 215—97)



1. In combination with a jar having a neck and a closure for the neck, a spring ring of split construction for holding the closure to the neck, said ring having a flange at its upper edge for engaging the closure, outwardly extending spaced projections adjacent one end of the ring, and a casing-like part at the other end for fitting over the projections, with the end walls engaging the projections said part having its lower side open for permitting an object to be placed therein to force the casing-like part outwardly from over the projections.

1,985,438
COTTON BALING MACHINE
Maywood Bethel, Hext, Tex.
Application March 15, 1933, Serial No. 660,949
4 Claims. (Cl. 100—12)

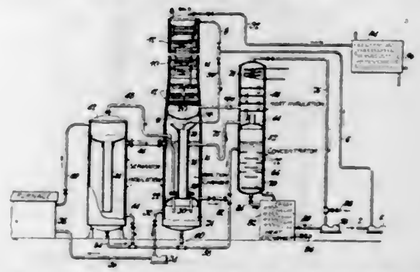


1. The combination with a baling machine having a sweep member for sweeping material into the machine, and having a tramper, of a tramper operating means including a gear, slides, means for transmitting movement of the slides to the sweep member, a rotating arm mounted above the slides and operated by the gear, said arm engaging the slides moving the slides as the gear is rotated, pivoted latch members operating in the slides for temporarily holding the slides against movement, and said arm contacting with the latch members operating the latch members to release the slides as the gear rotates.

1,985,439
METHOD OF CHROME TANNING OF LEATHER
Thomas Blackadder, St. Davids, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 4, 1932, Serial No. 636,191
12 Claims. (Cl. 149—5)

1. In a process of chrome tanning the step wh ch comprises the application to the hide, previously treated with a partially basic chromic salt, of the potassium salt of diphenyloldimethylmethane mono sulphonic acid.

1,985,440
METHOD OF TREATING OILS
David G. Brandt, Westfield, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application September 24, 1926, Serial No. 137,411
5 Claims. (Cl. 196—49)

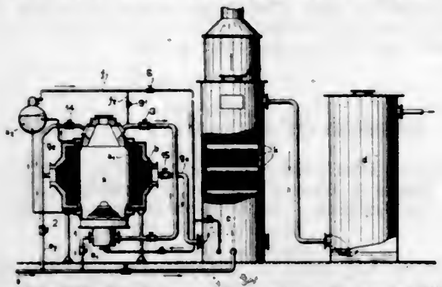


1. The process of cracking petroleum oils, which comprises passing oil from a hot oil chamber through a heating zone and then into an enlarged reaction chamber, maintaining a superatmospheric pressure on the oil undergoing cracking in said reaction chamber, passing vapors from said reaction chamber into a reflux tower in heat exchange with fresh charging stock for the process, passing fresh charging stock and reflux condensate from said tower into said hot oil chamber, withdrawing residuum from said reaction chamber into a concentrator, maintaining the withdrawn residuum under substantially the same pressure as that in said reaction chamber, passing a preheated gas through said withdrawn residuum to effect vaporization of substantial portions thereof by the partial pressure effect of said gas, condensing the resulting vapors, and passing the condensate produced therefrom into said hot oil chamber.

1,985,441
PRODUCTION OF GASES POOR IN CARBON MONOXIDE
Franz Bössner and Carl Marischka, Vienna, Austria
Application April 24, 1931, Serial No. 532,658
In Austria April 28, 1930
1 Claim. (Cl. 48—204)

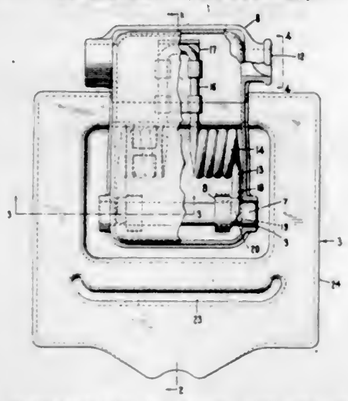
A process for decreasing the CO-contents of water-gas, and of gaseous mixtures containing water-gas, which comprises providing a reacting mass consisting of ankerite within a chamber, passing the water-gas together with steam

through said reacting mass for transforming the CO-contents of the water-gas into CO_2, and in-



termittently heating said reacting mass to effect said transformation and the regeneration of the reacting mass respectively.

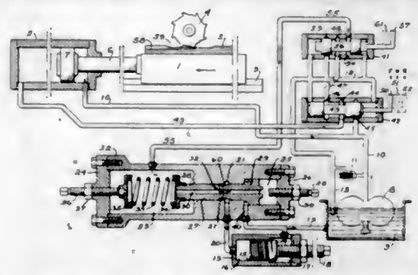
1,985,442
JOURNAL BOX
Howard T. Casey, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application October 26, 1928, Serial No. 315,288
22 Claims. (Cl. 308—47)



1. In combination, a journal box having a hinge lug, a lid assembly pivotally carried thereby and comprising a hood and a lid proper movably connected adjacent the center of the latter, and a torsion spring with intermediate coiled portions engaging the hood and end portions respectively engaging the connecting means and hinge lug.

1,985,443
HYDRAULIC TRANSMISSION
Donald Clute, Detroit, Mich., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 24, 1931, Serial No. 532,518
15 Claims. (Cl. 60—52)

1. The combination, with a reciprocating hydraulic motor and a source of pressure liquid connected in circuit with said motor for supplying liquid thereto to operate the same, of means connected to the exhaust end of said motor for resisting the flow of exhaust liquid therefrom to thereby cause back pressure to be created in said motor and to maintain the speed of said motor at a predetermined uniform rate at a given back pressure, means responsive to an increase in said back pressure to add additional resistance to the flow of said exhaust liquid to thereby maintain the speed of said motor at substantially said uniform rate, a valve for directing pressure liquid from said source to both ends of said motor to operate the same at high speed in one direction, and a valve for directing said exhaust liquid past



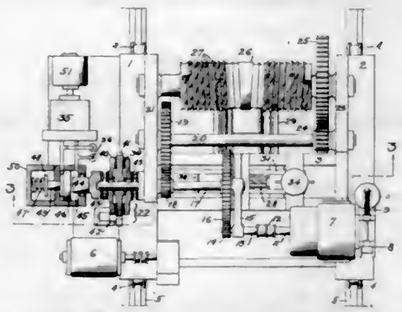
both of said resisting means to thereby allow said motor to operate at high speed in the other direction.

1,985,444
WHEEL CHAIN
Howard C. Davis, Lancaster, Ohio
Application January 11, 1934, Serial No. 706,269
2 Claims. (Cl. 152—14)



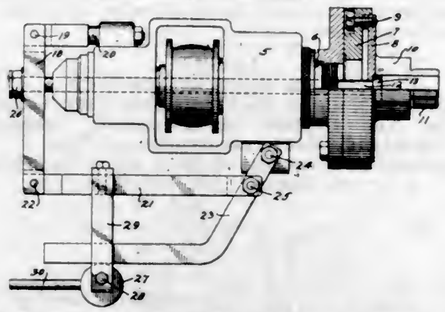
1. An anti-skid cross chain composed of interconnected links, each link twisted so that said links lie in approximately a common plane, and bar-like calks welded to the outer sides of the projecting portions of the links formed by the twisting thereof, there being a bar to each of said projecting portions and the longitudinal axes of which are in alinement with each other.

1,985,445
HYDRAULIC LOAD BRAKE
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 11, 1930, Serial No. 488,010
21 Claims. (Cl. 188—82)



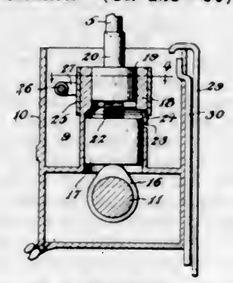
1. A hydraulic load brake, for a drum having a load-carrying cable wound thereon, comprising a friction brake connected to said drum to hold the same against rotation in one direction and thereby support a load carried by said cable, a hydraulic motor for energizing said friction brake and causing it to create a braking force proportional to the fluid pressure in said motor, means for supplying motive liquid to said motor, and means for varying the fluid pressure in said motor in response to variations in the load carried by said cable.

1,985,446
CHUCK
William J. Gorman, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application January 7, 1931, Serial No. 507,182
4 Claims. (Cl. 279—1)



3. A chuck, a chuck jaw actuator operatively connected therewith, a lever system mounted to coact with said actuator to move the same and so constructed that the actuator may be moved in either of opposed directions, and cam means so mounted as to operate said lever mechanism.

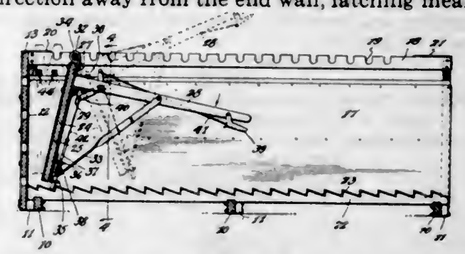
1,985,447
VALVE LIFTER
Hayward I. Grubbs, El Monte, Calif.
Application June 25, 1931, Serial No. 546,868
6 Claims. (Cl. 123—90)



1. In an engine, a spring-closed valve having its stem slidably mounted, a cylinder below the valve stem, a piston slidable in said cylinder and engaging the valve stem, a working piston slidable in said cylinder beneath the stem-engaging piston, a spring between said pistons yieldably holding the lower piston in spaced relation to the upper piston, a casing about said cylinder having liquid therein, said cylinder being formed with an opening in its walls between the pistons whereby liquid may flow from the casing into and fill space in the cylinder between the pistons when the pistons are lowered, an outlet for the liquid above said opening in the cylinder, a closure for said outlet whereby liquid may be trapped between the pistons, and means for imparting reciprocating motion to the lower piston to act upon the liquid and move the upper piston upwardly to open said valve when the lower piston moves upwardly.

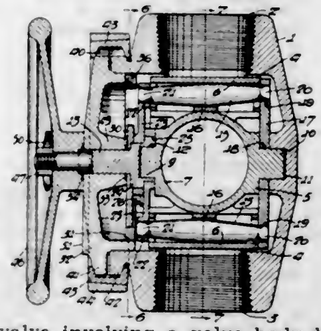
1,985,448
TOBACCO PRESS
Frank M. Hayes, Cynthiana, Ky.
Application January 9, 1933, Serial No. 650,904
5 Claims. (Cl. 100—4)

5. A tobacco press including a rack having side walls and an end wall, a pressing head pivotally supported at its upper end to swing between the side walls toward and from the end wall, a lever rigidly secured to said head adjacent the upper end thereof and projecting therefrom in a direction away from the end wall, latching means



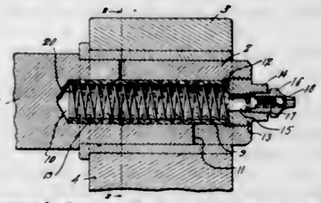
mounted on the head for securing the head against movement from the end wall, and means carried by the lever for releasing said latching means.

1,985,449
VALVE
Alfred G. Heggem, Tulsa, Okla.
Application December 16, 1932, Serial No. 647,643
8 Claims. (Cl. 251—102)



1. A valve involving a valve body having an inlet opening and an outlet opening and a chamber communicating with said openings, and means for controlling the flow of fluid through said openings, said means including a rotatable member disposed within said chamber, a valve plate mounted on said rotatable member and radially movable with respect thereto, a stem rotatable with respect to said rotatable member and the valve body, a lever for moving said valve plate radially with respect to said rotatable member, a plurality of spaced links respectively cooperating with the lever, and an eccentric cooperating with one of said links and rotatable by by the rotation of said stem, said valve plate being disposed between said links.

1,985,450
LUBRICATING MEANS
Horace C. Holderfield, Nashville, Tenn., assignor of forty-nine per cent to George I. Waddey, Nashville, Tenn.
Application September 6, 1933, Serial No. 688,403
3 Claims. (Cl. 308—121)



1. A journaled member comprising a lubricant reservoir, means for allowing the passage of lubri-

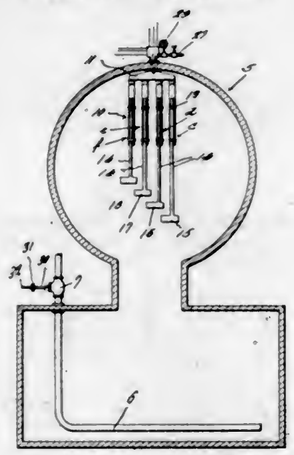
cant from the reservoir to the bearing surface of the member, a felt liner in the reservoir for absorbing lubricant for passage to the bearing surface, and a helical spring for maintaining the liner in position.

1,985,451

LEVEL INDICATOR AND FLOW REGULATOR

Luther E. Hudgens, Wichita Falls, Tex.

Application March 5, 1931, Serial No. 520,412
Renewed May 19, 1934
2 Claims. (Cl. 200—81)



1. A circuit closer comprising a flexible casing, said casing being provided with a stationary contact therein and a contact carried by the casing, a paddle, said paddle being provided with an elongated stem and means for adjustably connecting the said stem to the casing whereby the stem can be adjusted longitudinally on the casing.

1,985,452

MANUFACTURE OF PURPURIN

Henry R. Lee, South Milwaukee, and Edwin C. Buxbaum, Shorewood Village, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1933, Serial No. 653,478
8 Claims. (Cl. 260—58)

1. The process of preparing purpurin, which comprises reacting phthalic-anhydride with p-chloro-resorcinol in a medium of sulfuric acid and boric acid.

1,985,453

DEHYDRATION OF SYNTHETIC RESINS

Arthur W. Luedeke, Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine

No Drawing. Application January 9, 1931, Serial No. 507,763
2 Claims. (Cl. 260—4)

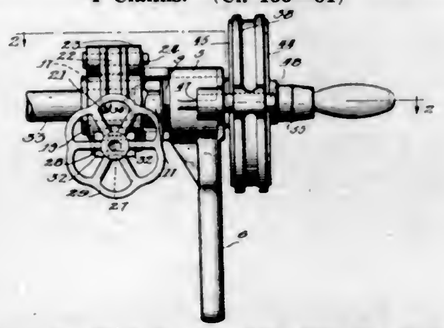
1. In the preparation of a dehydrated potentially-reactive resin of the phenol aldehyde type direct from a tar distillate, the steps which comprise reacting the tar distillate with formaldehyde and a catalyst while heating the same, thereby producing a reaction mixture containing a potentially-reactive synthetic resin, hydrocarbons, and an aqueous liquid, diluting the said reaction mixture with a solvent for the hydrocarbon oil components of the reaction mixture but which is a non-solvent for the resin, further diluting the reaction mixture with a liquid which is a solvent for the said aqueous liquid but is a non-solvent both for the hydrocarbons and the resins of the said reaction mixture, separating the wet resin from the remainder of the reaction mixture, dissolving the former in an excess of a volatile resin solvent, distilling the resultant solution, and removing overhead the water content of the resin while maintaining the resin throughout the said distillation in an excess of the last-named solvent.

1,985,454

METAL WORKING DEVICE

Frank E. McCabe, Shaker Heights, Ohio, assignor to The Grabler Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 19, 1930, Serial No. 503,367
4 Claims. (Cl. 153—81)



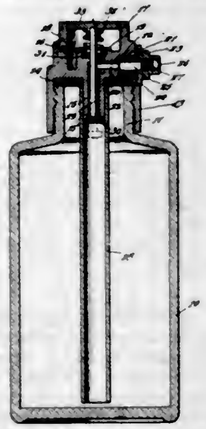
1. In a device of the class described, a body member, tube holding means adjacent one end of said body member, a spindle having threaded engagement with said body member in axial alignment with said holding means and adapted to be moved longitudinally when rotated, a tube flanging head mounted on the end of said spindle adjacent said holding means, and means for rotating said spindle, said rotating means including a frame, means securing said frame to said body member and holding it from rotation relative thereto while permitting relative axial movement, a gearing mechanism in said frame operably secured to said spindle, and manually operable means for actuating said gearing mechanism.

1,985,455

CONTAINER FOR CARBONATED LIQUIDS

Gilbert H. Mosby, Cincinnati, Ohio

Application February 6, 1933, Serial No. 655,536
2 Claims. (Cl. 299—95)



2. A device of the character described comprising a vessel open at its upper end, a cap having a depending flange engaged about the upper end of said vessel and a nipple extending into the vessel longitudinally thereof and formed with a bore extended into the cap and provided with a side extension constituting an outlet, a gasket fitting about said nipple against the under face of said cap to bear against the upper end of said vessel when the cap is in place and form a tight joint, a tube fitting about said nipple and extending longitudinally within the vessel with its upper end bearing against said gasket to form a tight joint, and valve means for controlling the flow of fluid outwardly through the bore of said nipple.

1,985,456

METHOD OF TREATING METALS

George F. Nelson, Berkeley, Calif.

No Drawing. Application July 6, 1931, Serial No. 549,087
6 Claims. (Cl. 148—15)

1. The method of increasing the hardness and strength of steel having a carbon content of 0.4% or less which comprises heating such grade of steel to about a red heat, and largely preserving the Martensitic structure of the heated steel by subjecting it to an aqueous solution of an alkali metal hydroxide having a concentration of at least 10% and maintained at a temperature below the boiling point of the water.

1,985,457

SEPARATION OF ETHYLENE AND PREPARATION OF ALKYL HALIDES FROM OLEFINE MIXTURES

Howard S. Nutting, Peter S. Petrie, Donald H. Croope, and Myron E. Huscher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application October 30, 1931, Serial No. 571,964
32 Claims. (Cl. 260—162)

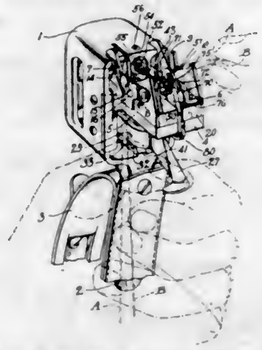
1. A method for making an alkyl halide which comprises reacting an olefine with a hydrogen halide in the presence of a liquid catalyst, the catalytically active ingredient of which consists essentially of at least one compound of at least one metal belonging to the fifth group of the periodic system.

1,985,458

KNOT-TYING MECHANISM

Edward Hall Parker, Somerville, Mass., assignor to Edward A. Taft, trustee, Boston, Mass.

Application June 6, 1931, Serial No. 542,583
32 Claims. (Cl. 289—3)



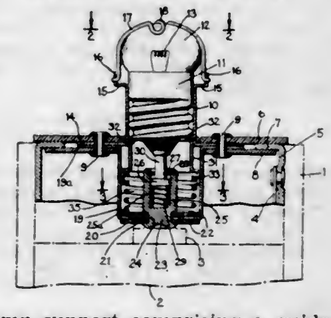
1. A weaver's knotter comprising means to support two yarns A and B in crossed relation; a clamp to hold the yarn B; a post near the crossing point; a second post near the first post; two pins for drawing the yarn A into the form of a bight enclosing the yarn B and for clamping the end portions of said bight, one of said pins serving to bend the yarn B around the second post and clamp it adjacent to the end portions of said bight; a shear for severing both yarns adjacent to the last-mentioned pin; a helical finger having a hook at its tip; means for advancing and retracting said finger in a helical path which encloses said bight, said hook being arranged to engage the yarn B adjacent to the last mentioned pin when the finger reaches its advanced position and to draw the yarn B around said bight and into the space between said bight and the second post in the retracting movement of said finger; and a pivoted lever arranged to engage the yarn B at a point between said clamp and the first post to strip the knot from said posts and tighten the knot.

1,985,459

FLASH LIGHT

Goodrich B. Pratt, Jersey City, N. J., assignor to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware

Application June 14, 1930, Serial No. 461,098
10 Claims. (Cl. 173—358)



1. A lamp support comprising a guide for an axially movable lamp base, said guide having a flange formed at one end, a cylinder for a lamp base engaging member coaxial with the guide and of greater diameter than the guide, and having a flange, a supporting disc, a second disc, and means to secure the flanges and the discs together.

1,985,460

MOTION PICTURE SCREEN

Albert L. Raven, Mount Vernon, N. Y.

Application August 25, 1928, Serial No. 302,048
2 Claims. (Cl. 88—24)



1. A screen for the projection of pictures accompanied by sound comprising an assemblage of short tubes arranged in contact with one another in rows obliquely to the plane of the screen, each row of tubes overlapping its adjacent rows, the rear surfaces of the interior of the tubes forming a part of the reflecting surface of the screen.

1,985,461

MOTION PICTURE SCREEN

Albert L. Raven, Mount Vernon, N. Y.

Original application August 25, 1928, Serial No. 302,048. Divided and this application February 1, 1930, Serial No. 425,154
3 Claims. (Cl. 88—24)

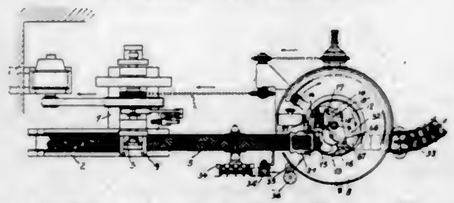
3. A sound-transmitting picture screen for use in producing pictures accompanied by sound com-

prising a single sheet of material having a plane light-reflecting surface, and being perforated with small unobstructed parallel-sided holes distributed over the area of the screen in sufficient number to provide ample transmission of sound through



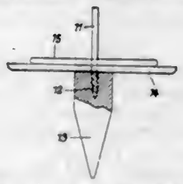
the screen substantially without distortion, while at the same time being spaced from one another a comparatively great distance in proportion to their size thereby preserving the light-reflecting properties of the screen sufficiently to exhibit an acceptable picture.

1,985,462
METHOD OF AND MACHINE FOR PRODUCING BUNDLED SMALL WOOD
Georg Schapiro, Berlin, Germany
Application November 18, 1931, Serial No. 575,943
In Germany November 21, 1930
18 Claims. (Cl. 144—192)



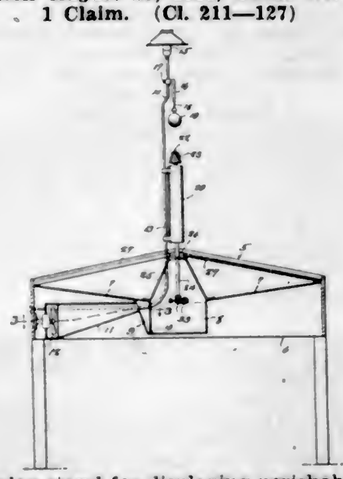
1. A method of producing bundled small wood, comprising splitting a wood billet into pieces, conveying said pieces in the position they occupy during the splitting and in a compact stream to be bundled, dividing off a quantity of said pieces from the foremost part of said stream and binding the divided off quantity into a bundle.

1,985,463
SPINNING TOP TOY
Hermann Schmidt, Berlin-Reinickendorff-Ost, Germany, assignor to Ernst Paul Lehmann, Brandenburg/Havel, Germany
Application March 15, 1934, Serial No. 715,728
In Germany June 8, 1931
2 Claims. (Cl. 46—32)



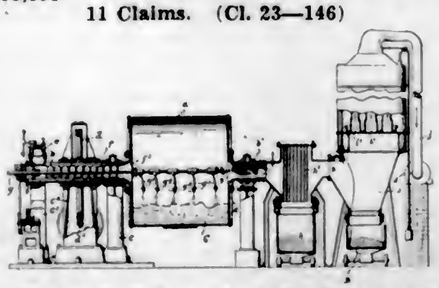
1. A spinning top toy comprising in combination a top comprising an axial pin, a lower spinning part having a dancing disc, an axial internal thread in the said lower spinning part, a thread on the lower part of the said axial pin, adapted to engage in the said internal thread, and means for imparting a rotary motion to the top, whereby, after the force causing the rotary motion has ceased, the rotating top can screw itself out of the lower spinning part.

1,985,464
DEVICE FOR MAINTAINING VEGETABLES FRESH
Joseph M. Sears, San Antonio, Tex.
Application August 29, 1933, Serial No. 687,347
1 Claim. (Cl. 211—127)



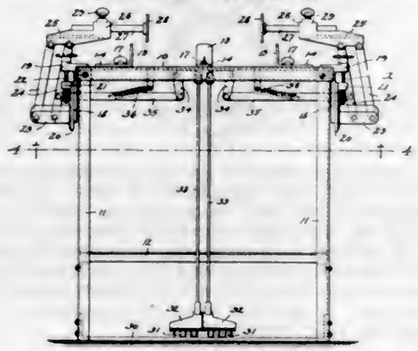
A display stand for displaying perishable fruits and vegetables, comprising a frame, foraminous supporting members on the frame, a trough extending longitudinally of the frame intermediate the sides of the frame, said trough having a lateral longitudinal compartment and having openings establishing communication between the compartment and trough, a tubular member communicating with the compartment near the trough of the compartment, and a blower in one end of the tubular member to force air through the compartment, trough and foraminous supporting members.

1,985,465
PROCESS FOR THE CONTINUOUS PRODUCTION OF LEAD OXIDES IN THE DRY STATE
Genzo Shimadzu, Kyoto, Japan
Original application April 27, 1926, Serial No. 104,999, now Patent No. 1,896,020. Divided and this application August 5, 1931, Serial No. 555,353
11 Claims. (Cl. 23—146)



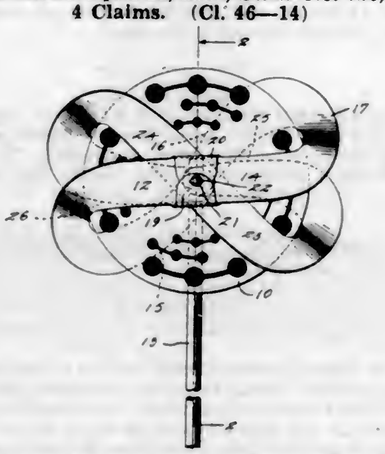
1. The method of manufacturing litharge which consists in tumbling in a rotatable vessel pieces of metallic lead and simultaneously supplying an oxidizing gas to said vessel to form a coating of suboxide upon the surfaces of said pieces, abrading and simultaneously removing said suboxide coating from said pieces while dry, delivering said suboxide from said rotatable vessel to a separate chamber and converting said suboxide to litharge within said chamber.

1,985,466
SLICED BREAD WRAPPING TABLE
Harl C. Simmons, Davenport, Iowa, assignor to The Micro Corporation, Bettendorf, Iowa, a corporation of Delaware
Application April 27, 1932, Serial No. 607,866
9 Claims. (Cl. 93—2)



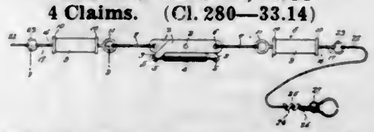
1. In a machine of the kind described, a table, a pair of opposed presser jaws mounted to reciprocate toward and from each other over said table, spring means urging said jaws to close toward each other, means to adjust the height of said jaws above the table, a pair of pedals arranged closely side by side for selective and simultaneous operation, and operative connections each connecting a respective pedal with a respective jaw.

1,985,467
TOY PINWHEEL
Daniel Smaldone and James Pecora, Hazleton, Pa.
Application April 14, 1934, Serial No. 720,632
4 Claims. (Cl. 46—14)



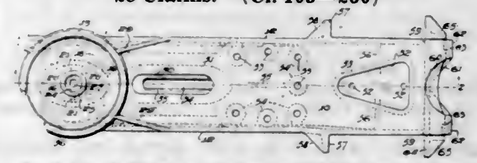
1. A toy as set forth, comprising a shaft, a relatively rigid plate rotatable on the shaft, a pair of blades secured to a face of the plate and projecting forwardly thereof, opposed curved arms carried by the inner ends of the blades and having overlapping end portions, and a grommet securing the overlapping ends together, said grommet loosely engaging about the shaft and constituting a bearing.

1,985,468
TOWLINE
Edward Strang, Glendale, Calif.
Application January 16, 1933, Serial No. 652,087
Renewed June 16, 1934
4 Claims. (Cl. 280—33.14)



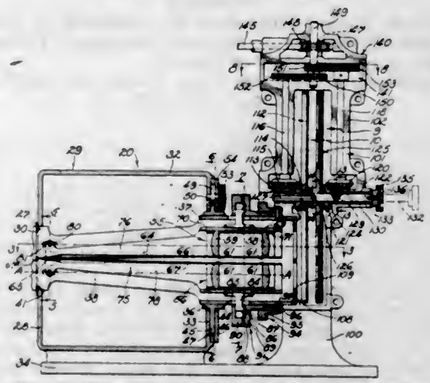
2. A vehicle towline comprising, in combination, a pair of levers pivotally connected with each other at an intermediate point, a spring connected to one end of the levers for yieldingly urging said levers in one direction, and means for connecting the other ends of the levers to a pair of vehicles.

1,985,469
RAILWAY CAR TRUCK BOLSTER
Thomas H. Symington, Baltimore, Md., assignor to T. H. Symington & Son, Inc., Baltimore, Md., a corporation of Maryland
Application October 27, 1930, Serial No. 491,576
28 Claims. (Cl. 105—230)



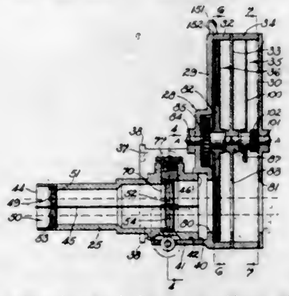
1. A truck bolster comprising a single cast body including a top, a bottom and side walls, the sides and the top wall being inclined on their inner surfaces at their junctures to provide greater thickness than that of the top or the side walls for reinforcing purposes.

1,985,470
PROJECTOR SYSTEM AND DETAIL
William M. Thomas, Los Angeles, Calif.
Application November 21, 1933, Serial No. 698,997
25 Claims. (Cl. 88—16.4)



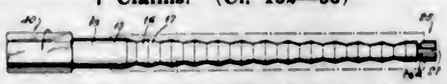
1. In combination, an aperture plate having an aperture, a flexible elongated lens support, means for pivoting the support on an axis parallel to the aperture, and means to twist the flexible support about its longitudinal axis.

1,985,471
ATTACHMENT FOR PROJECTING APPARATUS
William M. Thomas, Los Angeles, Calif.
Application December 5, 1933, Serial No. 700,965
18 Claims. (Cl. 88—16.4)



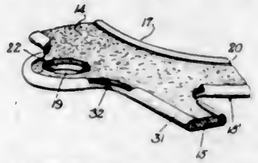
1. In an attachment for a motion picture projector with a front wall having an aperture for receiving a lens holder, and a film gate to the rear of said aperture, the combination of an enclosing structure for a color screen detachably connected to said projector, a barrel extending rearwardly therefrom adapted to be fitted into said aperture to a position close to said film gate, a pair of lens elements positioned edge to edge in said barrel, and a septum means in said barrel extending between said lens elements and rearwardly therefrom to a position adjacent said film gate.

1,985,472
HAIR CURLING APPARATUS
William B. Tubbs, Chicago, Ill., assignor to Hollywood Cone Waving Company, Saginaw, Mich., a corporation of Michigan
Application August 9, 1933, Serial No. 684,343
7 Claims. (Cl. 132—33)



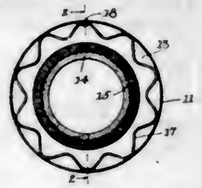
1. A curling device comprising an elongated member having adjacent pairs of oppositely disposed truncated conical surfaces of longitudinally decreasing diameter.

1,985,473
GASKET
John H. Victor, Evanston, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1932, Serial No. 623,044
3 Claims. (Cl. 288—1)



2. In a gasket having an opening therein, a layer of gasket material having a predetermined degree of compressibility, a metallic layer on one side of said layer of gasket material and having a lip projecting beyond the edge of the gasket material about said opening, another metallic layer on the side of the gasket material layer opposite to the first metallic layer, and a flange on said other metallic layer and extending through said opening in an amount inversely proportionate to the degree of compressibility of said gasket material whereby the free edge of said flange will abut said lip when the gasket is compressed in use and forming a protection for the edge of the gasket material about said opening.

1,985,474
GREASE RETAINER
John H. Victor, Evanston, Marc L. Liston, Elmhurst, and Casmer Matusak, Cicero, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application November 2, 1932, Serial No. 640,796
2 Claims. (Cl. 288—1)



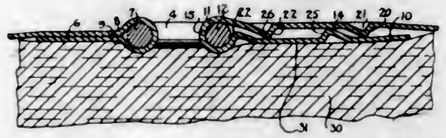
1. A grease retainer having an opening to receive a shaft and comprising a shell, a packing arranged in the shell to engage the shaft, a projection on the shell extending inwardly thereof, and a sinuous clamping ring engaging the packing to retain it against rotative movement within the shell and having free ends which engage said projection to prevent rotative movement of the clamping ring within the shell.

1,985,475
GASKET
John H. Victor, Evanston, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1932, Serial No. 644,894
1 Claim. (Cl. 288—1)



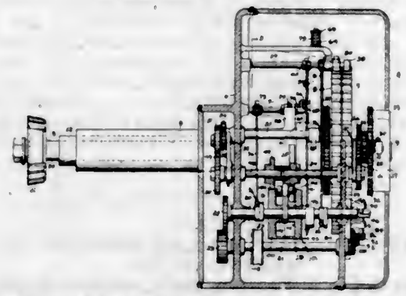
A gasket comprising an inner tubular annular shell formed from sheet metal with its marginal edges inturned and beaded and the beaded portions abutting and an outer tubular covering snugly enclosing said inner shell.

1,985,476
BUCKLE AND STRAP FOR COTTON BALES
Albert P. J. Voigt, John Donald Morhan, and Francis Jean Herbelin, Galveston, Tex.
Application January 2, 1932, Serial No. 584,514
6 Claims. (Cl. 24—22)



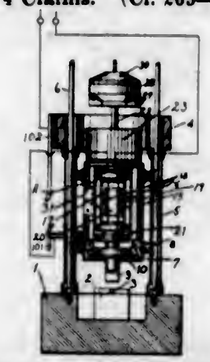
1. A bale tie and a buckle having a rectangular loop, said tie being extended through said loop and folded back under itself, a plurality of lugs formed in one end of said tie, each of said lugs having one steep face, said steep face being positioned to engage the buckle on the outer end face thereof when the tie is recurved around the buckle.

1,985,477
INDEXING DEVICE
Henry H. Wolf, Cleveland, Ohio
Application May 19, 1934, Serial No. 726,428
14 Claims. (Cl. 51—216)



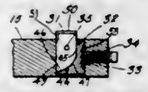
1. In indexing mechanism for gear grinding and other machines the combination of a work supporting spindle, an indexing plate rigidly connected to said spindle, intermittent drive means including a one way clutch for rotating said spindle and indexing plate step by step, a second indexing plate, freely rotatably mounted with respect to said spindle, intermittent drive means for rotating said second indexing plate, and timed coupling means for coupling said two indexing plates with each other, when said second indexing plate is rotated.

1,985,478
IMPACT TESTING MACHINE
Kameichi Yuasa, Tokyo-Fu, Japan
Application August 21, 1931, Serial No. 558,586
In Japan August 25, 1930
4 Claims. (Cl. 265—2)



3. A recording impact testing machine comprising a stationary base serving as a lower anvil for a bending test piece, an upper anvil rigidly connected with said base, a drop hammer consisting of a main weight and an auxiliary weight slidably attached to the former, clamping means secured to the top of the main weight for holding one end of a tension test piece, an abutment member adapted to be secured to the other end of the tension test piece, said abutment member being adapted to be arrested by said upper anvil, guiding means for allowing the auxiliary weight to pass freely through the upper anvil, a rack secured to said main weight, a pinion meshing with said rack and pivoted to said auxiliary weight, a plane reflecting mirror secured to one side of said pinion, a concave reflecting mirror secured to the main drop weight in parallel with said plane mirror, vibrating light projecting means associated with each of said mirrors, an energized electromagnet arranged on said main weight for holding said auxiliary weight in a definite relation to said main weight and means for de-energizing said magnet at a predetermined point in its drop to release the auxiliary weight.

1,985,479
DEVICE FOR FORMING PULP CHIPS
Walter I. Brown, Oakland, Calif.
Application November 21, 1932, Serial No. 642,758
1 Claim. (Cl. 144—186)



A slitting tool for pulp chippers, consisting of a support, having a plurality of bores formed therein, a base adjustably secured in each said bore formed with a vertical slot entering from one side of the base, said slot opening through the upper end of the base and terminating short of the lower end of the base and being provided with an intact bearing wall at its rear side, a flat blade mounted in each slot and having a portion projecting upwardly from the base and provided with sharpened top and front edges, and a pin extending through each base and blade to secure the blade in the slot, the pin being in turn secured against displacement by the walls of said bore.

1,985,480
FLEXIBLE DECORATING WEB
John Frederick Carpenter, Collingswood, N. J.
Application October 7, 1932, Serial No. 636,621
2 Claims. (Cl. 41—24)

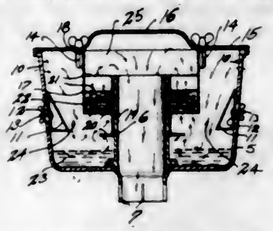


1. The method of making an imitation tile or brick floor or wall covering which consists in forming a flexible relatively thick base web, and a relatively thin, externally washable, generally transparent face web, simultaneously coating the juxtaposed faces of said base and face webs with a generally transparent cement, partially drying said cement, and subsequently passing said base and face webs through a pressing, embossing and printing device to secure said face and base webs together and simultaneously to emboss and print the webs thus secured to produce a pointed tile or brick effect, there being decorative designs visible through said face web.

1,985,481
AIR CLEANER
John Cartmell, Spokane, Wash.
Application March 28, 1934, Serial No. 717,776
2 Claims. (Cl. 183—15)

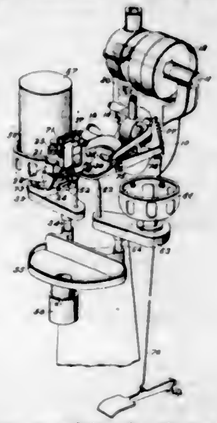
1. An air cleaner comprising a body casing having air entry ports therein, an open upstanding tube fixed within the casing and projecting through its bottom, a pool of oil in the bottom of said casing, a cartridge casing arranged to fit within the body casing and to form a passageway between its own sides and bottom and the sides and bottom of the body casing, an upstanding sleeve for the cartridge casing projecting through its bottom and adapted to fit onto the top portion of the open tube when the cartridge casing is installed within the body casing, a flange around the bottom of said sleeve, a plurality of spaced apart screen nettings fixed to the sides of the cartridge casing and to its sleeve, a filtering material dis-

posed between two of said nettings, and a top closing the body and cartridge casings and form-



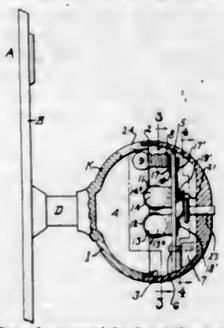
ing a separate passage chamber of the cartridge casing.

1,985,482
MACHINE FOR APPLYING CEMENT
Herbert L. Chapin, Swampscott, and Arthur S. Johnson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 13, 1931, Serial No. 544,178
8 Claims. (Cl. 91—45)



2. A coating machine having a discharge nozzle, a movable shield for determining the area to be coated by the nozzle, and a valve for controlling the discharge from the nozzle connected to the shield and arranged to be positioned thereby.

1,985,483
COMBINED DOORKNOB AND LIGHTING DEVICE
Joseph W. Clarke, St. Louis, Mo.
Application January 18, 1933, Serial No. 652,295
2 Claims. (Cl. 240—2.13)



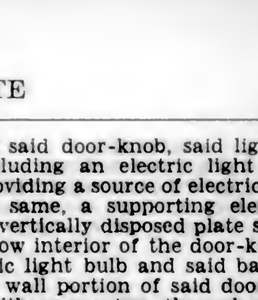
1. A door-knob provided with a hollow interior, light-producing means located within the hollow interior of said door-knob, said light-producing means including an electric light bulb and a battery providing a source of electrical energy for energizing same, a supporting element in the form of a vertically disposed plate secured within the hollow interior of the door-knob to which said electric light bulb and said battery are secured, the wall portion of said door-knob being provided with an aperture through which rays of light may pass from said light-producing means for the purpose of illuminating an adjacent keyhole, and means including a push button operable from the exterior of said door-knob for actuating said light-producing means.

1,985,484
MAT OR COVERING AND METHOD OF MAKING SAME
Samuel C. Clark, Pontiac, Mich., assignor to Baldwin Rubber Company, a corporation of Michigan
Application April 27, 1932, Serial No. 607,817
9 Claims. (Cl. 154—2)



1. A floor covering comprising a layer of rubber having a tread layer of rubber impregnated woven material bonded to one surface thereof and a layer of fibrous material bonded to the other surface.

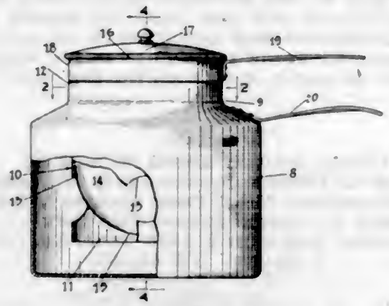
1,985,485
APPARATUS FOR EXPRESSING LIQUIDS
Newton Crane, Boston, Mass., assignor, by mesne assignments, of one-half to George C. Graham, Watertown, Mass.
Application February 12, 1924, Serial No. 692,365
11 Claims. (Cl. 100—50)



3. A laundry apparatus for extraction of water from wet clothing comprising a shell divided into separable and connectible parts, a diaphragm mounted within said shell with its rim adjacent to the plane of division between said parts, dividing the interior of the shell into two chambers and being formed with sufficient bagginess and capacity for distension to occupy positions conforming approximately to the interior shape of the shell at respectively opposite sides of said plane.

1,985,486
DOUBLE BOILER
Julie E. Dee, Oakland, Calif.
Application June 27, 1932, Serial No. 619,362
2 Claims. (Cl. 53—1)

1. A double boiler comprising an outer vessel provided with a neck open at its upper end, a supporting shell concentric with said neck and open at its bottom, said shell having an open upper end provided with a shoulder adapted to rest upon the open end edge of said neck, and an inner receptacle having a hemispherical bottom and an



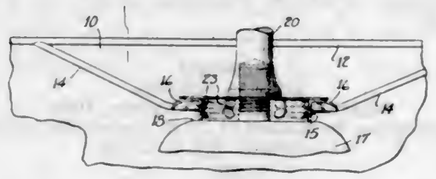
enlarged upper portion providing an annular shoulder so positioned as to rest upon the shoulder of said shell.

1,985,487
ACOUSTIC BUILDING MATERIAL
John H. Delaney, deceased, late of Los Angeles, Calif., by Union Bank & Trust Co. of Los Angeles, administrator, Los Angeles, Calif., assignor to the estate of Ada W. Delaney, deceased
Application May 9, 1931, Serial No. 536,302
5 Claims. (Cl. 72—18)



1. An acoustical building block comprising a substantially rigid shell formed of a reticulated fabric, a porous facing and a filling of sound absorbing material.

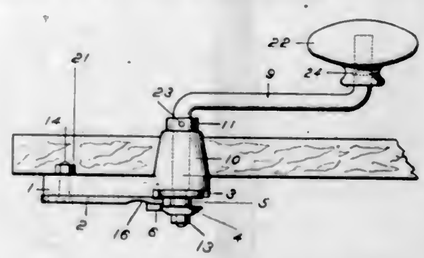
1,985,488
ADAPTER
William N. de Sherbinin, Hastings-on-Hudson, N. Y.
Application March 23, 1932, Serial No. 600,619
3 Claims. (Cl. 240—128)



1. In combination with a bridge lamp shade fixture having an annulus provided with threads on its inner cylindrical portion, an adapter comprising a disk having a central aperture adapted to receive the stud of a finial type lamp base and a plurality of lugs disposed about said aperture and engaging the threaded portion of the annulus.

1,985,489
CAN OPENER
Robert Eames, Detroit, Mich.
Application July 29, 1932, Serial No. 625,782
3 Claims. (Cl. 30—3)

1. In a can opener, a supporting plate having a bearing therein, a shaft mounted in said bearing and having thereon a rotary cutting element, a gripping element, and a spacing element between the cutting and gripping elements, an elongated backing element having one end loosely pivoted on said plate and adapted to swing about its pivot from an inoperative position to a position on a line between its pivot and said



bearing, stop means for limiting the swinging movement upon reaching the operative position whereby, when the can bead is placed between the spacing element and the backing element in the inoperative position, and when the shaft is rotated, the backing member will be swung into operative position solely by means of its contact with the can bead.

1,985,490
ACIDOPHILUS PRODUCT AND PROCESS OF PRODUCING THE SAME
Stewart M. Farr, Genesee Depot, Wis., assignor to Brook Hill Farm Incorporated, Genesee Depot, Wis., a corporation of Wisconsin
No Drawing. Application September 28, 1931, Serial No. 565,701
5 Claims. (Cl. 99—11)

1. The method of preparing an incubating medium for B. acidophilus which consists in adding to the milk in which the B. acidophilus are to be incubated a small amount of evaporated milk and heating this mixture to a temperature slightly below the boiling point, and thereafter cooling the milk thus treated to about 100° Fahrenheit before inoculation.

1,985,491
FROTH FOR SEALING VOLATILE LIQUIDS
Gerald M. Fisher, Glendale, Calif.
No Drawing. Application January 25, 1930, Serial No. 423,568
7 Claims. (Cl. 23—244)

1. A method of protecting a body of volatile oil from evaporation, comprising: floating on the surface of said oil a substantially permanent sealing froth consisting of an emulsion of water, a relatively nonvolatile oil, a water-soluble substance tending to increase the surface tension of the water, and a sufficient proportion of entrained incombustible gas to cause said froth to float on said oil, said water being the continuous phase of said emulsion.

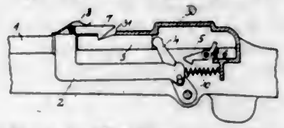
1,985,492
SOLDERING TOOL
William J. Frohmuth and Donald E. Cohagen, Fort Wayne, Ind.
Application February 3, 1933, Serial No. 654,992
2 Claims. (Cl. 113—105)

2. A soldering tip having an inner axial body of solid copper and a covering of non-corrosive metal encompassing the circumferential wall of said body, one end of said tip being shaped so

that the copper body protrudes beyond the corresponding end of said covering to form a soldering point, and means for detachably securing said tip in a soldering tool.

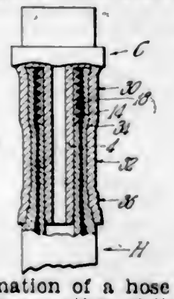


1,985,493
AUTOMATIC OR SELF-LOADING GUN
Ferenc Gebauer and Pál Király, Budapest, Hungary, assignors to "Danuvia" Ipari es Kereskedelmi R. T. firm of Budapest, Budapest, Hungary, a corporation of Hungary
Application December 21, 1931, Serial No. 582,372
In Germany December 22, 1930
10 Claims. (Cl. 42—4)



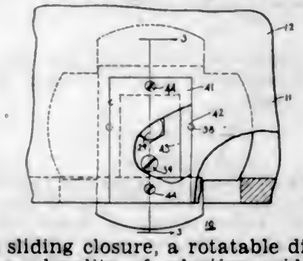
1. An automatic firearm comprising a barrel with a comparatively short recoil movement, a bolt, a main lever unaffected by the opening of the bolt and acting on the same only during its closing, a return spring, means for applying the total amount of the recoil energy to the compressing of said return spring and a pivoted latch adapted to keep the spring compressed until the bolt has completed its free recoil movement.

1,985,494
HOSE COUPLING AND METHOD OF SECURING THE SAME TO A HOSE
Daniel B. Gish, Springfield, Mass.
Application September 12, 1934, Serial No. 743,688
4 Claims. (Cl. 285—84)



2. The combination of a hose having a reinforced wall with a portion of its inner wall removed at the end of its bore to substantially expose the reinforcement and a coupling comprising, a tail-piece extending into the bore of the hose and having interlocking means associated therewith including recesses and projections adapted to contact said exposed reinforcement, and a skirt connected at its upper end to the upper end of the tail-piece which when compressed around said hose forces the exposed part of said reinforcement into intimate engagement with said recesses of said tail piece and squeezes the wall of said hose between the skirt and tail-piece.

1,985,495
GUIDE FOR SLIDING MEMBERS
Rudolph L. Hanson, Frewsburg, N. Y., assignor to Jamestown Metal Desk Company, Jamestown, N. Y., a corporation of New York
Application September 9, 1932, Serial No. 632,384
4 Claims. (Cl. 16—93)

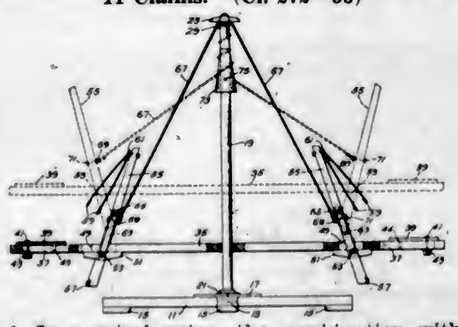


1. In a sliding closure, a rotatable disc-shaped member, a plurality of selective guide portions on and projecting radially of said member, means pivotally supporting said member in said closure, said member being so located with respect to said closure as to cause a selected guide portion to project beneath said closure when said member is rotated.

1,985,496
PROCESS OF MAKING MARGARINE
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application January 8, 1934, Serial No. 705,826
11 Claims. (Cl. 99—13)

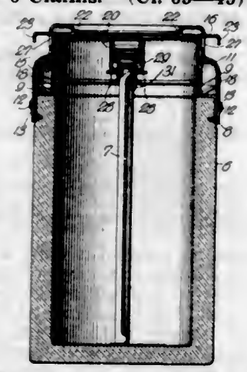
3. The method of making an improved margarine, which comprises forming a plastic margarine emulsion of oleaginous and aqueous materials, partially saponifying an oleaginous material of a class consisting of oils and fats, forming an aqueous paste of the resulting product, neutralizing said paste, and blending the paste into the plastic margarine emulsion together with an accessory substance of a class consisting of salt and benzoate.

1,985,497
SPIRAL SWING
Clarence K. Harris, Marion, Ohio
Application December 12, 1933, Serial No. 702,076
11 Claims. (Cl. 272—33)



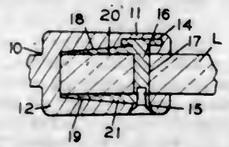
1. In a spiral swing, the combination with a base, a vertical standard thereon, a platform slidable and rotatable on the standard, vertically extending lever arms pivoted intermediate their ends to the platform adjacent the ends thereof, a cable having its mid-portion secured to the top of the standard and its ends secured to points on the respective lever arms intermediate their ends and above the platform, and means on the respective lever arms to effect manual actuation thereof at points both below and above the platform.

1,985,498
COMBINED SALT AND PEPPER SHAKER
Edward E. Harris, Chicago, Ill.
Application August 16, 1933, Serial No. 685,338
6 Claims. (Cl. 65—45)



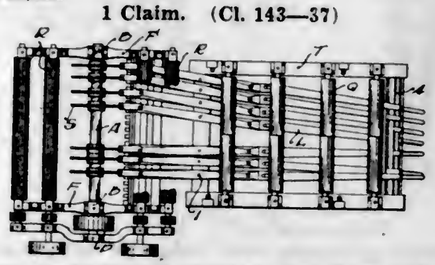
6. A combination salt and pepper container open at one end and having a partition wall forming compartments therein, a ring upon the open end of the container, a bridge across the ring having depending edges to engage and embrace the upper end of a partition, a skirted cap overhanging the open end of the container, there being openings in the cap for communication with said compartments on opposite sides of the partition wall, means carried by the cap between said openings for embracing and tightly gripping said bridge to prevent intermixing of the contents of the respective compartments and means to lock the cap to the container.

1,985,499
OPHTHALMIC MOUNTING
George L. Hommel, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 2, 1933, Serial No. 659,279
7 Claims. (Cl. 88—47)



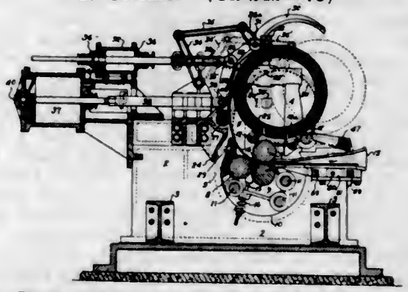
1. An ophthalmic mounting comprising a member having two spaced straps in contact with the surfaces of a lens having an opening, anchoring means on each of said straps, said anchoring means being in communication with the lens opening, a fusible retaining element positioned in and contacting said opening and secured by said anchoring means, one of said straps having a groove on its inner face, said groove being in communication with the anchoring means, said groove being substantially filled with a fusible material which is integral with said retaining element.

1,985,500
SAW MILL
Fred W. Horstkotte, Portland, Oreg.
Original application April 29, 1931, Serial No. 533,625. Patent No. 1,921,569. Divided and this application December 23, 1932, Serial No. 648,684
1 Claim. (Cl. 143—37)



In an adjusting and rocking mechanism for a laterally movable saw, the combination with a pivoted, manually operated shifting-lever, a carrier mounted on the short arm of the lever, and a guide on the carrier whereby approximate adjustment of the guide and saw are attained, of a wedge shaped tooth mounted on the carrier, a rotary rack bar adjacent to the tooth, said rack bar having a notch and opposed beveled walls for the notch, and means for operating the rotary rack bar for engaging said walls with said tooth whereby the guide and saw are precisely adjusted and locked in adjusted position.

1,985,501
HIGH SPEED HOT COILER
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application July 1, 1931, Serial No. 548,169
17 Claims. (Cl. 242—78)



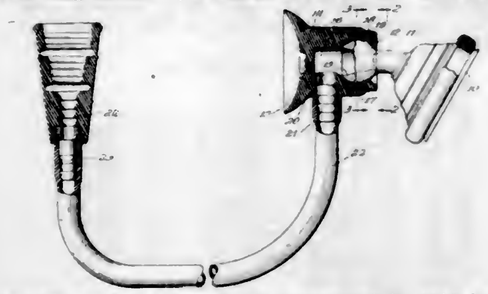
17. In a coiling machine, means for feeding and bending a strip, supporting means for a coil, and extensible means extending substantially continuously from said bending to said supporting means through an arc greater than 180° and movable to release a coil from said coiler in a direction transverse to its axis.

1,985,502
BATH SPRAY
Stanley Isenberg, Chicago, Ill.
Application October 30, 1933, Serial No. 695,901
12 Claims. (Cl. 299—73)

3. In a device of the character described, a ball and socket joint, the socket being formed in a member of soft rubber, the ball being of non-yielding material, and means detachably securing the ball within the socket in operative relation.

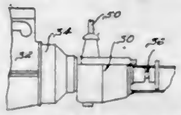
8. A device of the character described comprising a member of yieldable material, said mem-

ber being constructed so as to provide a yieldable socket at one end and a suction cup at the other end, a chamber within said member, an inlet for said chamber, a ball member mounted in said



socket and a spray head connected to said ball member, said ball member having a passage therethrough forming an outlet from said chamber, and means detachably securing said ball member in said yieldable socket.

1,985,503
AUTOMATIC TRANSMISSION
Rex E. Keller, Beverly Hills, Calif.
Application March 3, 1934, Serial No. 713,819
6 Claims. (Cl. 74—260)

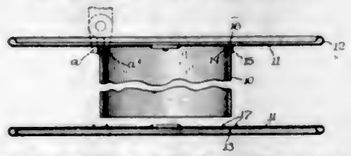


1. Transmission mechanism having in combination driving and driven shafts, a drive gear fixed to rotate with said driving shaft, a planetary gear carrier mounted for rotation in the same direction as said driving shaft operatively connected to said driven shaft and relatively rotatable with respect to said drive gear, a planet gear mounted on said carrier and in constant mesh with said drive gear, means acting on said planet gear for inducing a rotation of the same about its axis to provide an initial reduced driving connection between said shafts, and a centrifugally actuated clutch including a clutch element on said carrier, a second clutch element relatively rotatable with respect to said carrier clutch element during said initial driving connection between said shafts, a bolt-engaging recess provided in one of said clutch elements, a bolt carried by the other of said clutch elements movable under the influence of centrifugal force resulting from the rotation thereof to engage in said recess for positively interconnecting said clutch elements to lock said carrier for rotation with said drive gear to provide a change from a reduced to a direct driving connection between said shafts, and means cooperating with said bolt to prevent movement thereof into engagement with said recess until the rotative speeds of said clutch elements are substantially synchronous.

1,985,504
PROCESS FOR FEEDING BLACK LIQUOR TO A SMELTING FURNACE
Alfred G. Kernin, Mosinee, Wis., assignor to Mosinee Paper Mills Company, Mosinee, Wis., a corporation of Wisconsin
Application January 9, 1932, Serial No. 585,657
1 Claim. (Cl. 23—48)

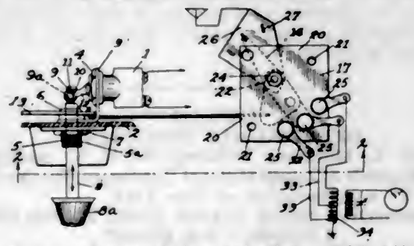
The method of feeding a mixture of black liquor, air and sodium sulphate to a smelting furnace which comprises introducing air under pressure to the furnace, supplying sodium sulphate to the current of air at a distance from the furnace so that it is carried therewith, supplying black liquor to the furnace along a path surrounded by the path of travel of the air and sodium sulphate and mixing the black liquor with the stream of air and sodium sulphate at a point immediately preceding its discharge into the furnace, thereby causing the mixture to be discharged in spray form.

1,985,505
KNOCKED-DOWN SPOOL
John H. Kjellstrom, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a corporation of Illinois
Application July 16, 1931, Serial No. 551,134
20 Claims. (Cl. 242—123)



1. A spool having a tubular core, a head plate adapted to overlie one end edge of the core and having a plurality of slots adjacent the core, and a plurality of fastening clips formed integral with said plate and having radially spaced portions inserted through said slots and embedded in the material of the core with said portions disposed parallel to the axis of the core.

1,985,506
ANTENNA AND POWER SUPPLY SWITCH
Charles E. Kilgour, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application September 28, 1929, Serial No. 395,939
9 Claims. (Cl. 250—16)



1. In a radio receiving set, the combination of a fixed power supply control switch, a rotatable lever for said fixed power supply control switch, an antenna control switch with a rotative element, contacts on an antenna connecting plate, and other contact points adapted to be selectively interconnected by said rotative element of said antenna control switch, with positive means for connecting and operating said rotatable lever for said power supply and antenna control switches from the same source.

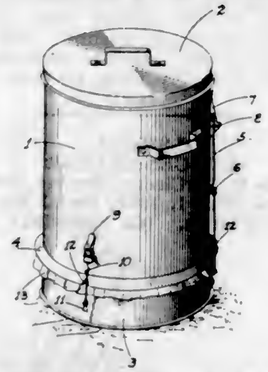
1,985,507
COMBINATION SUSPENSORY
Thomas La Maida, Cleveland, Ohio
Application April 4, 1933, Serial No. 664,354
3 Claims. (Cl. 128—159)

1. Personal wear construction having abdomen-encircling and leg-encircling portions, and comprising front and back crotch-parts, said front-crotch part shaped to the corresponding lower front body portion of the wearer and having a lower converging edge, bias-cut, and being of limited yield longitudinally but permitting transverse yield required in body movements, and a cross-tie intervening between said front and back



crotch-parts and connecting the same and providing leg-anchorage laterally and inhibiting stretching out of shape of the converging edge of said front crotch-part, said cross-tie having edges of limited yield forming leg-engaging margins.

1,985,508
SANITARY GARBAGE CAN
Louis M. Lasell, Sacramento, Calif.
Application June 15, 1931, Serial No. 544,376
3 Claims. (Cl. 220—4)



1. A garbage can comprising an open ended body portion and a bottom tray having a removable fit with the lower end of the body; a plurality of releasable catch devices between the sides of the body and tray, one only of said devices comprising a relatively long link permanently and swivelly connected to the tray whereby it may serve as a pull handle for the tray when the latter is detached from the body.

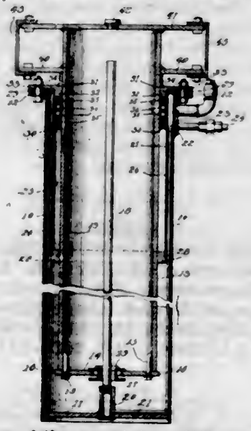
1,985,509
CABLE ANCHOR
Clarence J. Lemont, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application July 19, 1933, Serial No. 681,083
7 Claims. (Cl. 24—123)

2. A fitting for anchoring a guy wire comprising a pair of cheek pieces of flat bar stock having rounded edges, a transverse pin extending through said cheek pieces adjacent their outer ends, and a grooved roller journaled on said transverse pin, the roller being of a maximum width substantially equal to the sides of the cheek pieces and the groove extending substantially the full width of the face of the roller whereby the groove of the roller and the rounded edges of the cheek pieces present adjacent surfaces across which a guy wire may be drawn at an angle without being sharply bent, said cheek pieces being adapted, at their rear end, to have rigid non-swiveling connection to a stationary



object and at their front end substantially to cover the end faces of the roller.

1,985,510
AUTOMOBILE-SERVICING LIFT
Peter J. Lunati, Memphis, Tenn.
Application September 4, 1930, Serial No. 479,622
11 Claims. (Cl. 254—93)

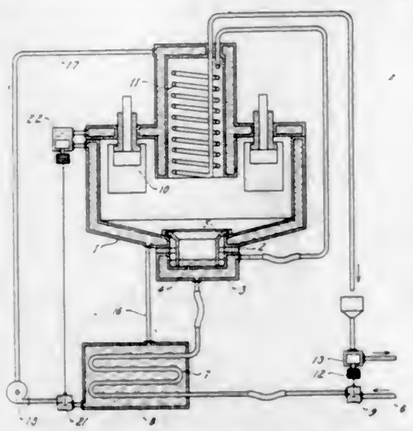


5. An automobile servicing lift comprising a stationary cylinder having a closed bottom and open upper end, a plunger-piston for the cylinder, an upper and lower bearing for the plunger-piston, said bearings being spaced relatively far apart and both being rigidly associated with the cylinder, packing surrounding the plunger-piston intermediate the bearings, an automobile supporting superstructure carried by the piston, and means whereby fluid pressure may be exerted between the cylinder and plunger-piston to elevate the latter.

1,985,511
ELECTRIC CURRENT RECTIFIER
Othmar K. Marti, Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 24, 1931, Serial No. 546,527
7 Claims. (Cl. 250—27.5)

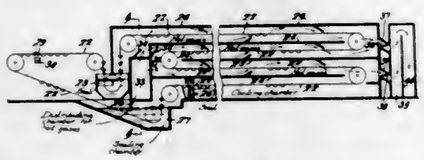
1. In means for cooling an electric current rectifier, the combination of a casing having an aper-

ture therein and being provided with a plurality of passages forming a path for the flow of cooling medium, a receptacle containing a quantity of vaporizable electrode material closing said aperture and having a double walled portion forming a path for the flow of a cooling medium therethrough, a closed cooling system operable to cause the recirculation of a constant quantity of cooling medium through the first said path, and a



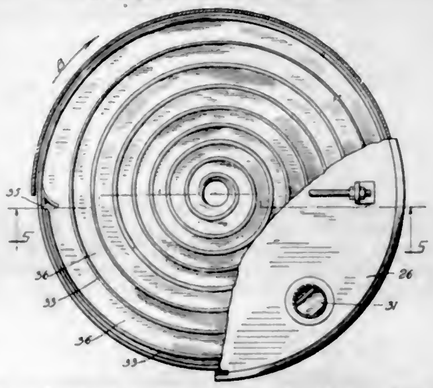
second cooling system operable to cause the flow of a cooling medium continuously supplied thereto through the second said path and comprising means operable to recool the fluid flowing in the said closed cooling system, the flow of said cooling mediums through the respective said paths being co-jointly operable to regulate the rate of vaporization of said material to affect the direction of flow of vaporized portions thereof and to effect condensation thereof.

1,985,512
OVEN FOR BAKING FUEL BRIQUETTES
Henry E. Maurel, Providence, R. I., assignor to Maurel Investment Corporation, Providence, R. I., a corporation of Rhode Island
Application December 12, 1932, Serial No. 646,881
2 Claims. (Cl. 202—117)



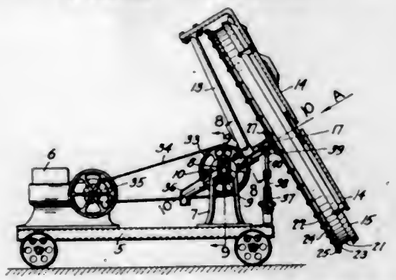
1. In an oven for baking fuel briquettes, the combination with the oven proper, of a heat distributing chamber located near the intake end of the oven but spaced from the walls thereof, an endless conveyor for moving the briquettes through the oven, means for guiding said conveyor to move from the entrance thereof directly upwardly to the top of the oven over said chamber and then horizontally back and forth downwardly in the oven, the upwardly extending strand of the conveyor at the intake end being located between said chamber and the adjacent end wall of the oven, and a series of horizontal partitions alternately extending from a point at one end to a point at a distance from the other end of the oven and each located between two adjacent strands of the conveyor.

1,985,513
CONCENTRATOR
Clyde F. McCleery, Denver, Colo.
Application May 24, 1932, Serial No. 613,157
1 Claim. (Cl. 209—481)



A concentrator comprising a pan mounted to rotate about a slanting axis, and having a discharge opening centrally of its bottom surface, an upstanding rim at the periphery of said surface, a spiral trough winding from said rim inwardly to the discharge opening, and a plow at the outer end of the trough to turn material fed into the pan inwardly from its rim.

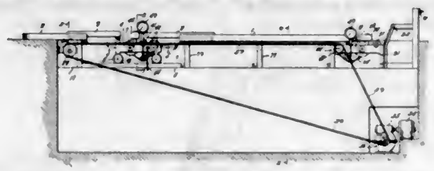
1,985,514
CONCENTRATOR
Clyde F. McCleery, Denver, Colo.
Application May 1, 1933, Serial No. 668,743
9 Claims. (Cl. 209—481)



1. A concentrator comprising a pan mounted to rotate about a slanting axis and having a discharge-opening centrally of its bottom-surface, and a spiral channel winding from the periphery of the pan to said opening, and a slanting plate crosswise of the channel in the outer portion thereof to turn material fed into the pan toward the more central portion of the same.

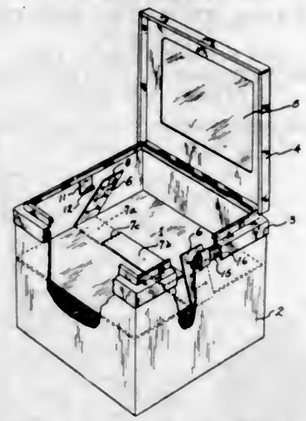
1,985,515
BRAKE TESTING STRUCTURE
Raymond J. Norton, Washington, D. C., assignor to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y., a corporation of Delaware
Original application March 25, 1929, Serial No. 349,793. Divided and this application January 25, 1930, Serial No. 423,465
5 Claims. (Cl. 73—51)

1. A device for testing the brakes of a vehicle comprising a pit having sides and ends, brake testing units arranged on opposite sides of the pit, means arranged within the pit and at one end thereof for simultaneously driving said units to rotate the wheels of the vehicle against the resistence of their respective brakes, means to individually measure the resistance of each brake, and



means for coupling said first mentioned means with said units, arranged along the inside walls of said pit.

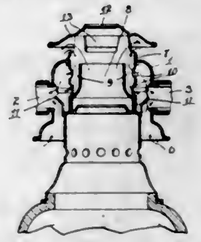
1,985,516
CAKE CADDY AND THE LIKE
Edward D. Parr and Edward L. Schwarte, Covington, Ky., assignors of one-third to Anthony G. Thies, Covington, Ky.
Application April 4, 1932, Serial No. 602,992
4 Claims. (Cl. 206—44)



1. In combination with a container having an outwardly turned-over flap at its top edge, a hook member of substantial width, comprising reversely bent portions presenting an upwardly disposed loop adapted to be engaged over the top edge of said container, and a downwardly disposed loop adapted to present a hook-like configuration on the inside of said container, the outer leg of said upwardly disposed loop having a turned-over portion to engage beneath said flap.

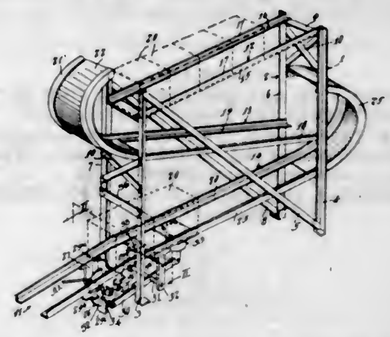
1,985,517
OIL LANTERN
Alfred J. Perkins and Frank J. Beckman, Warsaw, N. Y., assignors to Embury Manufacturing Co., Warsaw, N. Y., a corporation of New York
Application November 29, 1933, Serial No. 700,260
3 Claims. (Cl. 240—29)

1. A dome for lanterns having an open bottom, a flue extending thru said dome and having an opening in the wall thereof leading into the upper portion of said dome, an outlet in the side of the dome, a partition in said dome between said flue and the wall of said dome intermediate the outlet thereof providing an air chamber above and below said partition arranged to have the opening in the wall of said flue provide an air inlet in the upper chamber; and deflecting means within said flue to deflect the air entering the top of the flue into the upper air chamber of said dome and leave said dome thru the outlet thereof jointly with the air entering the open bottom of the lower air chamber of said dome and deflected into said outlet by said partition so as not to interfere



with the flow of the air entering the outlet from the upper air chamber of said dome.

1,985,518
ICE VENDING MACHINE
Herbert N. Royden, West Los Angeles, Calif.
Application June 27, 1932, Serial No. 619,449
1 Claim. (Cl. 312—35)

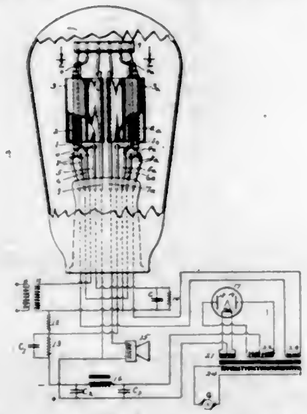


In a parcel dispensing machine, means forming an angularly disposed trackway for storing a line of parcels and for feeding them toward a discharge by gravity, stop means comprising a wheel mounted for rotation about an axis extending at right angles to the path of movement of parcels on said pathway, a plurality of dogs spaced about the periphery of said wheel by distances commensurate to the length of one of said parcels on said pathway, holding means comprising a lever engageable with said wheel to prevent rotation thereof, means operable at will for moving said lever out of engagement with said wheel to permit the foremost parcel to rotate said wheel to release said parcel and to present the next adjacent dog into the path of the succeeding parcel, a bar on said lever normally out of the path of parcels on said trackway but projectable against parcels on said trackway when said lever is operated to release said wheel to positively impel parcels toward said discharge.

1,985,519
VACUUM TUBE CIRCUIT
Samuel Ruben, New Rochelle, N. Y.
Application December 10, 1931, Serial No. 580,020
6 Claims. (Cl. 250—27)

3. In a vacuum tube circuit, an electrical discharge device comprising an evacuated envelope containing an input set of elements consisting of a cathode, a grid, an anode and a heater for heating the cathode, and an output set of elements consisting of a cathode insulated from the first mentioned cathode, a grid and an anode insulated from the first mentioned anode and a heater for

heating the cathode, the two sets of elements being mounted in parallel positions and the output



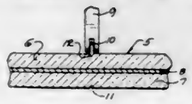
grid being electrically connected with the input cathode through a series connected resistance.

1,985,520

METHOD AND APPARATUS FOR USE IN THE CUTTING OF LAMINATED GLASS

Conrad B. Schafer, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application July 24, 1930, Serial No. 470,350
12 Claims. (Cl. 49—50)



1. In apparatus for use in the cutting of laminated sheets of glass, a plurality of members, each including a base having a horizontal surface and an inclined surface, means carried by said members and adapted to engage the laminated sheet at one side only of the score lines subsequent to the scoring and breaking of the glass sheets for securing that portion of the laminated sheet in a fixed position upon the horizontal surfaces, that portion of the sheet at the opposite side of the score lines being unsecured and overlying said inclined surfaces, and means for heating the laminated sheet to cause the unsecured portion of said sheet to bend downwardly and rest upon the inclined surfaces.

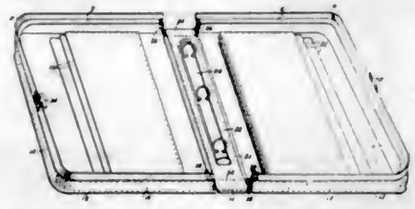
1,985,521

FLAT-OPENING CASE

Charles J. Schell, Cincinnati, Ohio, assignor to Schell Leather Goods Company, Cincinnati, Ohio, a firm composed of Charles Schell and Albert N. Schell

Application June 4, 1934, Serial No. 728,837
5 Claims. (Cl. 150—1.6)

1. A flat-opening case comprising a pair of body sections formed with edge-walls at the top and sides, a bottom connecting said sections, the lower ends of said side edge-walls being free relative to said bottom and a hinge member associated with each of said lower ends, each member having one extremity hingedly connected with said bottom and the other extremity connected to the end of the associated edge-wall, said hinge means being adapted to maintain aligned relationship of said body sections and to afford free movement of said edge-wall ends into and out of abutting relation with said bottom in the closing and opening of the case, said members in the closed position of the case being adapted to lie against said bottom in



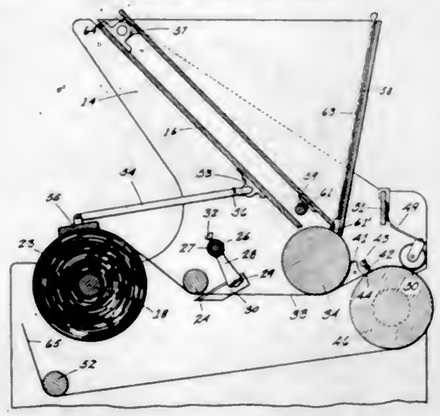
substantially parallel relationship therewith and in the flat-opened position of the case to project upwardly in substantially right angular relationship with said bottom for providing support for said edge-walls.

1,985,522

WALL PAPER TRIMMING AND PASTING MACHINE

Carl Scherer, Albany, Calif.

Application November 16, 1932, Serial No. 642,952
1 Claim. (Cl. 91—14)



In combination, means for rotatably supporting a roll of paper, means for trimming the edges of the paper as it is drawn from the roll and means for applying paste to the back surface of the trimmed paper as it is drawn from the roll, said means for trimming the edges of the paper comprising a sleeve rotatably supported and means for securing said sleeve against rotation in adjusted position, and slitting elements radially adjustable on said sleeve and adjustable along the axis thereof and means for securing said elements in adjusted position, all of said means being assembled in a unit, said unit being vehicularly mounted for travel only in a plane parallel to the means for rotatably supporting the roll of paper, said means for applying paste comprising a roller, a paste container mounted above said roller and having an elongated nozzle in cooperative relation to the roller, means for adjusting the nozzle relative to the periphery of the roller, the paper having the back surface cooperating with the undersurface of the roller, whereby paste peripherally carried on the roller is transferred to the back surface of the paper, said roller being positively driven by the means for supporting the roll of paper as the paper is withdrawn, and in a direction opposed to the direction of travel of the paper.

1,985,523

COLLAR SUPPORT FOR SHIRTS

William E. Singleton and William M. Chace, Jr., Los Angeles, Calif., assignors to Peerless Laundry Services, Ltd., Los Angeles, Calif., a corporation of California

Application December 20, 1932, Serial No. 648,032
5 Claims. (Cl. 223—18.6)



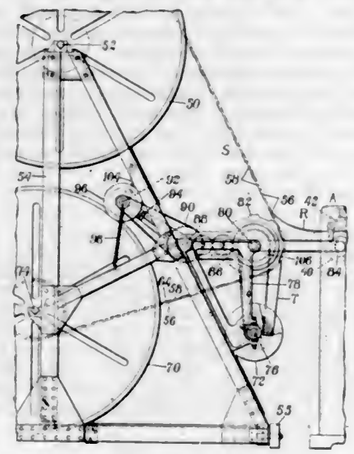
1. In a collar support for shirts, a neck-band section, a crease supporting tab having a continuous upper edge, and means connecting said tab and said neck-band section between the upper edge of the neck-band section and a point on the tab spaced intermediate the upper and lower edges thereof.

1,985,524

SYSTEM FOR DELIVERING SHEET MATERIAL

Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 16, 1930, Serial No. 502,739
20 Claims. (Cl. 242—55)



2. In a system for operating upon sheet-material, operating mechanism, movable means for advancing material to the operating mechanism at definite time-intervals, driving means for operating said advancing means intermittently, a reel arranged to deliver material, a separator coiled with the material upon said reel, a reel arranged to receive the separator, and connections operable by the driving mechanism and acting directly upon the separator to draw it from the delivering reel and deliver the stock to the advancing means in synchronism with the movement of said advancing means.

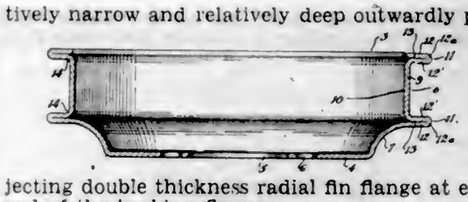
1,985,525

BRAKE DRUM

Jacques Stanitz, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, Warren, Ohio, a corporation of Ohio

Application August 3, 1934, Serial No. 738,261
5 Claims. (Cl. 188—218)

1. In a pressed sheet metal brake drum, an annular braking flange, and an integral relatively narrow and relatively deep outwardly projecting double thickness radial fin flange at each end of the braking flange.



1,985,526

HEAT TREATMENT OF DIATOMACEOUS EARTH

McKinley Stockton, Redondo Beach, Calif., assignor to The Dicalite Company, Los Angeles, Calif., a corporation of Delaware

No Drawing. Application August 11, 1933, Serial No. 684,762
2 Claims. (Cl. 252—2)

1. The method of milling diatomaceous earth comprising the steps of roasting the crude earth in lump form at a temperature sufficient to produce dehydration but below the temperature at which substantial sintering or shrinkage take place, and only thereafter reducing the earth to the form of a powder of fineness suited for use as a filter-aid.

1,985,527

HEIGHT MEASURING ROD FOR SCALES

William H. Taylor, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application May 12, 1933, Serial No. 670,629
18 Claims. (Cl. 33—169)



15. A height measuring rod comprising a plurality of hollow, telescopic, interfitting rod sections, including measuring rod sections, a height reading indicator pivotally mounted on each preceding measuring rod section for up and down movement and co-operating means carried by the said measuring rod sections adapted to control the raising and lowering of the said indicators at predetermined degrees of extension of the said rod sections.

1,985,528

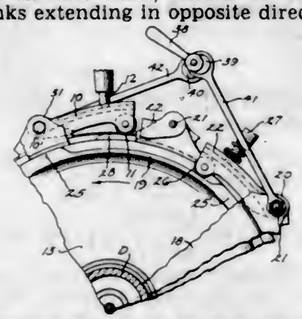
AIR AND FUEL CONTROLLING MEANS FOR INTERNAL COMBUSTION ENGINES

Feri A. Thaheld and Charles S. Crickmer, Dallas, Tex., assignors, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del., a corporation of Delaware

Application January 2, 1932, Serial No. 584,440
3 Claims. (Cl. 123—32)

1. In a throttle for an internal combustion engine, a shaft, oppositely directed eccentrics

mounted on said shaft, means for rocking said shaft, links extending in opposite directions from



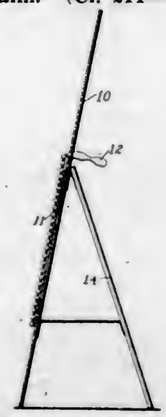
said eccentrics, a pump actuator connected with one of said links, and a valve actuator connected to the other eccentric.

1,985,529
BALE TIE BUCKLE
Francis Byron Todd, Attalla, Ala., assignor to Toy Todd, Attalla, Alabama
Application January 10, 1934, Serial No. 706,134
5 Claims. (Cl. 24—26)



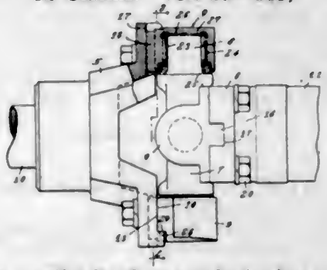
1. A bale tie buckle formed of bent wire having a closed end, and two side arms, one arm being bent to provide a substantially straight transversely disposed tongue and the other arm being bent to provide a hook adapted to receive said tongue when drawn to its operating position, there being a notch in that part of the tongue which in use engages in the bight of the hook, which notch is adapted to interlock the tongue with the bight of the hook to prevent it backing out of engagement therewith under stress, substantially as described.

1,985,530
MERCHANDISE DISPLAY STAND
Benjamin Urich, Milwaukee, Wis.
Application July 29, 1932, Serial No. 626,071
1 Claim. (Cl. 211—156)



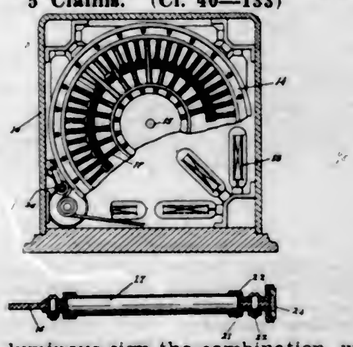
A stand for supporting and displaying flexible key chains, each having an enlargement at one end, said stand comprising a panel having a horizontally extended series of individual chain receiving perforations therein, each of said perforations being larger than one of said chains to permit the chain to be drawn therethrough, each of said perforations being smaller than the enlargement at the end of the chain to prevent passage of the enlargement therethrough, said several perforations coacting with the enlargements of said chains to support the same in suspended condition upon the face of said panel.

1,985,531
METHOD OF MAKING UNIVERSAL JOINTS
Carl E. Swenson, Rockford, Ill.
Application June 6, 1932, Serial No. 615,496
32 Claims. (Cl. 29—148)



1. The method of manufacturing universal joints of a type comprising a pair of opposed yoke members, an intermediate spider having trunnions, and bearing blocks adapted to fit on the trunnions and be fastened to the yoke members, which method comprises machining concentric arcuate shoulders on the yoke members to a predetermined diametrical dimension relative to the dimension between the ends of opposed trunnions, mounting the bearing blocks on a rotatable support so that the blocks are approximately in the same relation to the axis of rotation that they will assume subsequently on the spider in a completed joint, rotating the blocks with the support, and during rotation forming arcuate surfaces on the outside of the bearing blocks to approximately the first dimension, whereby when the blocks are subsequently removed and placed on the trunnions and fastened to the yoke members with the arcuate shoulders on the blocks engaging the arcuate surfaces on the yoke members, said blocks are accurately centered as a group with respect to the yoke members and spider for good dynamic balance.

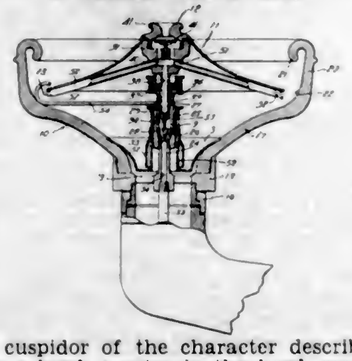
1,985,532
SIGN
Guglielmo Angeli, New York, N. Y.
Application September 26, 1932, Serial No. 634,940
5 Claims. (Cl. 40—133)



1. In a luminous sign the combination, with a casing comprising an opaque panel having dis-

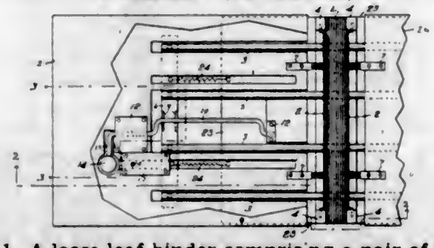
play matter permitting the passage of light therethrough, and a source of light within said casing, of a rotatable shaft, a multicolored screen interposed between said source of light and said panel, carried by said shaft, said screen comprising a plate having a circumferential series of openings, and bar shaped units of different colors permitting the passage of light inserted and retained within said openings.

1,985,533
CUSPIDOR
Monroe N. Callender, Los Angeles, Calif.
Application June 27, 1932, Serial No. 619,536
13 Claims. (Cl. 4—264)



1. A cuspidor of the character described including, a bowl, a rotor in the bowl, means for discharging flushing water on the upper surface of the rotor, and means for rotating the rotor, said means including reaction jets on the under side of the rotor discharging flushing water from the periphery of the rotor into the bowl.

1,985,534
LOOSE LEAF BINDER
Harry L. Cowden, Guthrie Center, Iowa
Application May 21, 1934, Serial No. 726,633
7 Claims. (Cl. 129—41)



1. A loose leaf binder comprising a pair of covers, a clamping jaw hinged to each cover; cables running through said clamping jaws and into each cover; a terminal bar slidably disposed in each cover and connected to said cables, each terminal bar being provided with upturned flanges; a U-bar, provided with a lever arm and a series of teeth, journalled in each cover, said teeth being adapted to engage the flanges of the adjacent terminal bar.

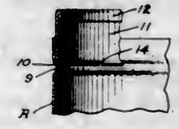
1,985,535
ENDLESS CONVEYER
Arvid R. De Wahl, Minneapolis, Minn.
Application August 27, 1934, Serial No. 741,588
4 Claims. (Cl. 198—193)

1. An endless conveyer for a potato harvester or the like, comprising a series of interlinked, separable sections, each of which sections includes a cross bar bent adjacent opposed ends to form angular arms disposed in a common plane, said arms continuing in back bent extensions forming bearing recesses for engagement



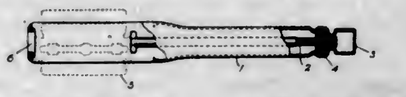
by the rod of the next adjacent section, said extensions being hooked to form additional rod recesses and with the end extremities of the rod directed toward and substantially perpendicular with respect to said plane.

1,985,536
RING NECK KEY CAN
Henry J. Douglass, San Francisco, Calif., assignor to Pacific Can Co., San Francisco, Calif., a corporation of Nevada
Application March 9, 1929, Serial No. 345,655
6 Claims. (Cl. 220—54)



1. A can comprising a can body portion having a radially outward flange at an end edge portion adapted for double seam interlock with a cover, said can body having spaced scored lines adjacent said flanged end edge portion to provide a tear strip adapted to be removed to open the can after a cover has been double seamed thereto, a jointless collar of thin drawn metal pressed into the can body through said open flanged end and overlying the scored strip portion interiorly of the can body and extending beyond the scored strip portion in both directions axially of the can body, said scored strip when removed being adapted to expose a portion of the collar intermediate the edges of the collar, and said jointless collar being fixedly secured in said can body adjacent the end of the can body through which it is inserted into the can.

1,985,537
RAZOR BLADE SHARPENER
Joseph P. Egan, Long Branch, N. J.
Application March 15, 1934, Serial No. 715,757
1 Claim. (Cl. 30—25)



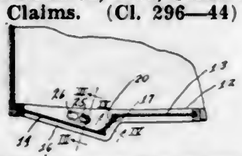
A razor blade holder comprising a hollow body having a pair of aligned slots at one end for receiving the blade, a stop at said end adjacent to said slots, the other end of said body constituting a handle, a shaft movable lengthwise in said handle said shaft having a threaded portion and a blade engaging portion opposed to said stop for clamping a blade between them, and an adjusting knob mounted for free rotation at the end of the handle and having a threaded portion engaging the threads of the shaft to move said shaft lengthwise in order to clamp or release a blade.

1,985,538

VENTILATING WINDOW FOR MOTOR CARS

Arthur P. Fergueson, Detroit, Mich., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan

Application March 31, 1933, Serial No. 663,676
4 Claims. (Cl. 296—44)



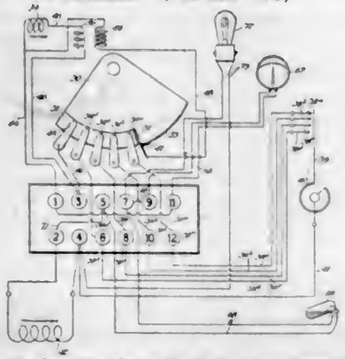
3. A ventilating closure for an automobile vehicle window opening comprising three sections, one being in the plane of opening, another being offset laterally from the opening with its end adjacent said first mentioned section spaced therefrom to define a ventilating passageway and the third section comprising an intermediate section disposed at said passageway for controlling the flow of air therethrough, said first section being supported to be raised and lowered in said opening without interfering with the operation of the third section.

1,985,539

AUTOMATICALLY GOVERNED CONTINUOUS BURNER

William G. Hartwig, Chicago, Ill., assignor to Railway Utility Company, Chicago, Ill., a corporation of Illinois

Application March 9, 1933, Serial No. 660,112
20 Claims. (Cl. 236—76)



1. In an electrical control for combustion systems of the type employing a fluid metering element biased to a given position and operable in one direction from said position by a motor, a commutator adapted to supply current to the motor of such system, having a motor energizing terminal, a motor energizing circuit having and controlled by brush means contacting with and separating from said terminal under relative movement set up between the commutator and said brush means, and means whereby said relative movement between the brush means and the commutator is caused to take place in definite relation to movement of the fluid metering element.

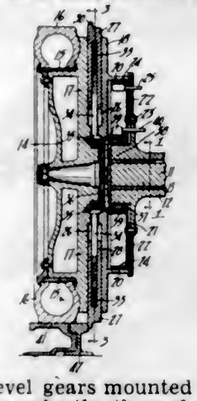
1,985,540

TRUCK WHEEL CONSTRUCTION

David C. Hay and Lee H. Mattes, South Bend, Ind.

Application December 3, 1931, Serial No. 578,699
24 Claims. (Cl. 295—8.5)

1. In combination, an axle, a wheel mounted on said axle, a circular plate concentrically carried by said wheel at one side thereof and of a smaller radius than said wheel, said plate having a plurality of radial guideways formed therein for the reception of shiftable flange carrying members having arcuate outer peripheries, said shiftable members having threaded bores extending radially of said wheel formed therein, threaded rods mounted in said bores, a bevel gear mounted on the inner end of each rod, a bevel ring gear in



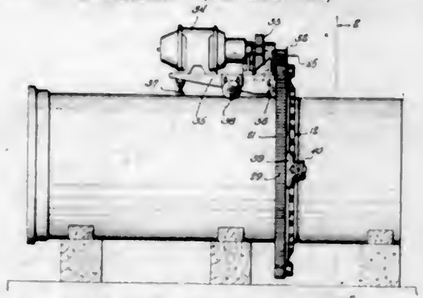
mesh with said bevel gears mounted on said axle for rotation independently thereof, an annular flange carried by said ring gear, and a brake mechanism for selectively holding said flange and ring gear stationary, whereby rotation of said wheel rotates said bevel gears and rods relative to said ring gear to radially move said shiftable members in the guideways of said plate.

1,985,541

PIPE CUTTER

Harrison B. Hoefer, Milwaukee, Wis.

Application May 18, 1933, Serial No. 671,604
9 Claims. (Cl. 164—60)



1. A portable pipe cutting machine comprising a clamp ring for mounting on a pipe, two circular series of clamp screws projecting inwardly from said ring to secure and center the same on the pipe, a motor bracket attached to said ring and extended laterally from one side thereof, pipe engaging rollers on said bracket for supporting the same, a ring gear rotatably mounted on and guided by the external periphery of said ring, a pipe cutting tool carried by said ring gear for travel therewith about the pipe, and a motor on said bracket operably connected with said ring gear to drive the same.

1,985,542

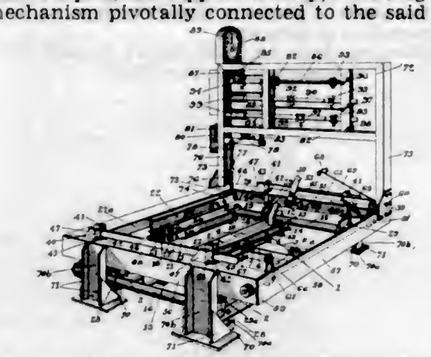
WEIGHING SCALES FOR CONCRETE AGGREGATES

Alvah B. Jacobus, Oak Park, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application February 23, 1932, Serial No. 594,539
10 Claims. (Cl. 265—72)

1. In weighing scales for concrete aggregates, lever mechanism comprising opposed pipe levers

located at each end of the scale and having spaced lever plates secured thereto, a platform pivotally suspended from the said lever plates and adapted to support a skip, relieving gear mechanism pivotally connected to the said lever



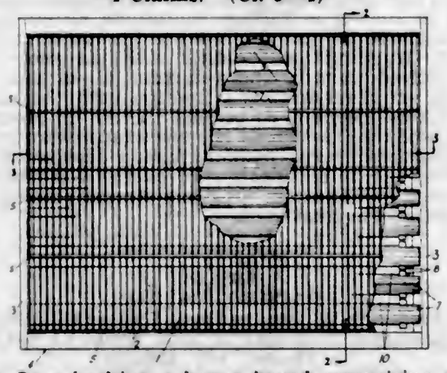
plates and adapted to raise and lower the said levers, and means carried by the said skip adapted to co-operate with and control the operation of the relieving gear mechanism in lowering the levers to their relieved position.

1,985,543

BEEHIVE CONSTRUCTION

George L. Killian, Los Angeles, Calif.

Application May 31, 1933, Serial No. 673,681
4 Claims. (Cl. 6—4)



1. In a beehive, a honey board comprising an all metal wire grid consisting of a plurality of relatively stiff horizontal equally spaced apart wires, and a plurality of laterally spaced apart wires, the outer-most of said laterally spaced wires, forming frame pieces for said grid, and frame members having top cross bars disposed athwartwise and beneath said horizontal wires, the faces of said cross bars adjacent the sides of said beehive being beveled or tapered, whereby to provide bee passage between the latter bars and said outer lateral wires, for worker bees traveling up the sides of said hive.

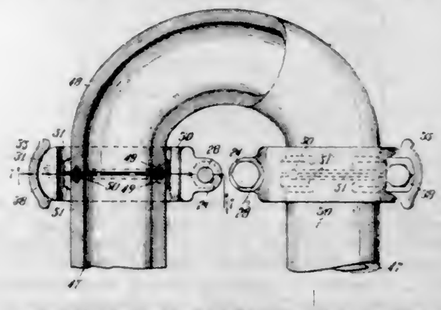
1,985,544

RETURN BEND JOINT

Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas

Application April 17, 1933, Serial No. 666,515
1 Claim. (Cl. 285—20)

In a return bend joint, conduit sections and a return bend intermediate of the ends of the sections, the ends of the conduit sections and of the return bend being each provided with an annular socket, V-shape in cross-section, while the outer surface adjacent each end is provided with a radially disposed interrupted flange, with the sides of the flanges disposed away from the ends being tapered; an annular gasket, circular in cross-section, adapted to enter the sockets in the ends of a conduit section and of the return bend; in combination with a segmental encircling band having axially spaced apart interrupted and tapered flanges on the inner perimeter adapted



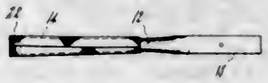
to receive the interrupted flanges of a conduit section and of one end of the return bend therebetween, the ends of the band-segments being disposed laterally; regulable take-up means associated with the ends of the band segments at one side of the assembly whereby the band segments are held in place, and regulable pressure applying means at the opposite side of the assembly whereby the ends of the conduit sections and of the return bend are forced toward each other.

1,985,545

SHOE SHANK STIFFENER

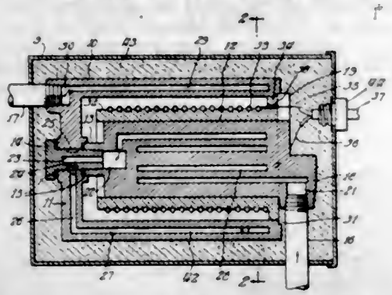
William H. Nickerson, Newton Center, Mass.

Application May 19, 1934, Serial No. 726,509
1 Claim. (Cl. 36—76)



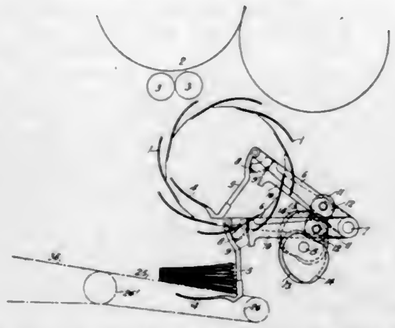
A shank stiffener comprising a metal body including a longitudinally and transversely curved major portion between substantially flat end portions, said body having a transversely convex outer side, a transversely concave inner side, and spaced apart curved longitudinal edges, and an enveloping veneer cemented to said body and composed of an oblong non-metallic cement coated strip of sheet material of greater width than said body, said strip including a longitudinal central portion closely conformed to the convex side of the body, flaps closely conformed to the concave side of the body, and necks connecting the flaps with the central portion and closely conformed to the longitudinal edges of the body, an end portion of the veneer being extended from an end of the body, and forming a tab which includes a part of the central portion, parts of the flaps, and parts of the necks, the extended central and flap parts being adhesively bonded together and forming substantially flat sides of the tab, said veneer being applicable to the body by pressure of the central portion of the strip against the convex side, and pressure of the necks and flaps against the longitudinal edges and concave side, so that the entire enveloping portion of the veneer adheres closely to the body and increases the bulk thereof only by the thickness of the sheet material.

1,985,546
ELECTRIC STEAM GENERATOR
Waclaw Nosarzewski, Chicago, Ill.
Application April 7, 1933, Serial No. 664,904
6 Claims. (Cl. 219—39)



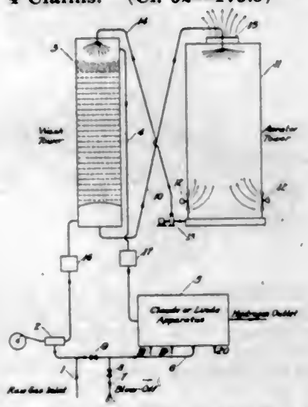
1. A boilerless steam generator of the kind described comprising a shell having its side walls apertured to provide a closed chamber extending around and substantially the full length of the shell, a member positioned within and extending longitudinally of the shell, an electrical heating unit positioned within the shell and surrounding said member in closely spaced relation to the shell and member, said member providing a closed chamber extending substantially its full length, a pipe providing an inlet for said member at one end of the generator, a pipe providing an outlet for said shell at the other end of the generator, and a conduit connecting the end of said member opposite to its inlet end with the end of said shell opposite to its outlet end.

1,985,547
DELIVERY MECHANISM
Cecil George Quick, Donald Arthur Ball, and William Arnold Whitehead, London, England, assignors to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 10, 1933, Serial No. 670,278
In Great Britain May 11, 1932
22 Claims. (Cl. 93—93)



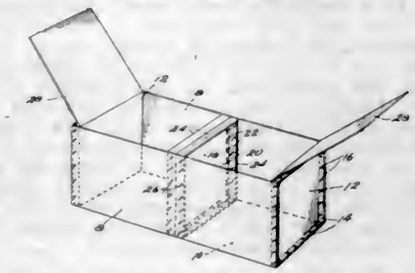
1. In mechanism for use in delivering the products of a printing machine in bundles consisting of a predetermined number of products, the combination of a delivery fly, two delivery devices coactable with said fly, and means for operating the devices so that one device receives products passing in succession from the fly until the required number of products to constitute a bundle has been received and delivers the products while the other device returns from its delivery point and into position to receive products from the fly to constitute a second bundle.

1,985,548
PROCESS FOR THE REMOVAL OF ACETYLENE
Daniel Pyzel, Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 14, 1932, Serial No. 617,110
4 Claims. (Cl. 62—175.5)



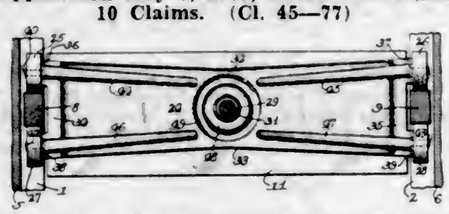
1. A process of removing acetylene from a mixed stream of hydrocarbon gases which comprises subjecting the mixture to the action of a solvent having better solvent power for acetylene than for ethylene, subjecting the resultant gas to a low temperature fractionation process, thereby producing a fraction containing all ethylene present in the gas subjected to the low temperature fractionation together with the acetylene dissolved therein, and returning all or part of said ethylene-acetylene fraction with the same ratio of acetylene as present therein on production of the fraction by the low temperature fractionation process without further separation of acetylene by rectification or chemical treatment directly to the incoming gas stream passing to said solvent treatment.

1,985,549
PACKING CARTON
Frederick W. Quackenboss, Kansas City, Mo.
Application November 12, 1932, Serial No. 642,383
1 Claim. (Cl. 229—15)



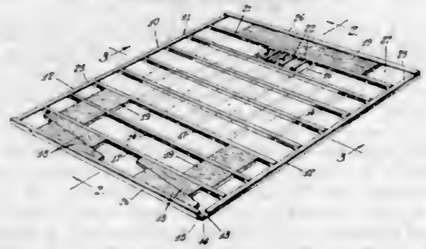
A packing carton comprising a hollow, open-top body; a partition dividing said body into two compartments; and a cover for each compartment respectively, each cover having one edge thereof hingedly secured to the carton and movable to position where the opposite edge thereof may be secured to said partition, said partition having oppositely directed flanges along the upper edge thereof to bear against the said covers when the same are closed whereby staples may be moved to position through the cover and flanges to hold the former in place.

1,985,550
DRAWER DEVICE
Maynard H. Raggio, Chicago, Ill.
Application July 7, 1930, Serial No. 466,131
10 Claims. (Cl. 45—77)



1. A drawer device having a supporting structure, a drawer, said structure comprising guide means, a carrier for supporting the rear end of the drawer and movable along the guide means, and means for rockably connecting the carrier to the rear end wall of the drawer.

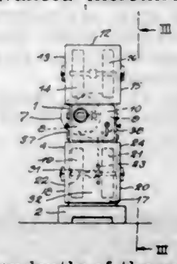
1,985,551
PRINTER'S APPARATUS
Harvey J. Reardon, Chicago, Ill.
Application May 3, 1933, Serial No. 669,083
4 Claims. (Cl. 101—391)



1. In printer's apparatus, the combination of: a shallow, pan-like chase formed from a single blank of material and consisting of a flat, rectangular base having parallel top and bottom surfaces; said base having a marginal flange formed integrally therewith; said flange projecting over the upper surface of said base and cooperating therewith to provide a marginal groove extending around the edges of said base; flat, shallow, rubber type less than "type" high having their bottom surfaces resting directly upon and supported by the upper surface of said base; and lock-up means including flat locking bars slidably arranged upon said base having their bottom surfaces resting directly upon and supported by the upper surface of said base and parallel thereto to hold said type in assembled relation; said bars having end portions slidably projected into said groove; said flange having a cut-out portion at one corner of the chase providing an inlet to the chase through which said locking bars are slidably inserted onto the upper surface of the said base of the chase.

1,985,552
SOUND MOTION PICTURE PROJECTION APPARATUS
Oscar A. Ross, New York, N. Y.
Application September 18, 1928, Serial No. 306,656
22 Claims. (Cl. 88—16.2)

1. Sound motion picture projection apparatus arranged to advance synchronously recorded separated photographic sound and action record films for producing exhibition of sound motion pictures which comprises, means supported by the apparatus for advancing the action record film through a path of instrumentalities whereby the exhibition of the action record thereon will be effected as the film is advanced relatively thereto, means supported by the apparatus for advancing the sound record film through another path of instrumentalities positioned remotely from the first named path whereby the exhibition of the sound recorded thereon will be effected as the film is advanced therethrough, and means

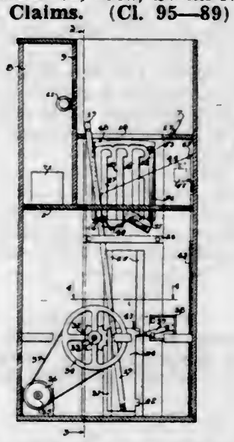


operable independently of the sound film advancing means for advancing or retarding the movement of the exhibited portion of the sound film whereby mal-synchronizing of the exhibited records may be synchronized during the advancement of the films by the apparatus.

1,985,553
PROCESS OF MAKING CAST IRON
Wolfram Ruff, Breslau, Germany
No Drawing. Application August 18, 1933, Serial No. 685,726. In Germany September 5, 1932
4 Claims. (Cl. 75—45)

1. The process of making cast iron comprising preparation of a molten iron substantially free from graphite nuclei; adjusting the silicon content of the molten metal to an amount not less than 0.5% proportioned to the desired size of the graphite particles of the solidified metal; and subjecting the melt to a final oxidizing treatment proportioned in amount to the number of graphite particles desired in the solidified metal.

1,985,554
PHOTOGRAPHIC DEVELOPING APPARATUS
Arthur W. Smith, Rochester, N. Y.
Application June 21, 1932, Serial No. 618,497
26 Claims. (Cl. 95—89)



1. In a photographic developing apparatus, the combination with a casing, of developing, rinsing and fixing baths in said casing, a film carrier in said casing, means for mounting a film on said carrier, a reciprocating slide on which said carrier is pivoted, means for reciprocating said slide, means for moving the carrier on its pivot in a direction from the developing bath toward the fixing bath, guiding means for limiting the movement of the carrier to substantially vertical planes when the film is moved to

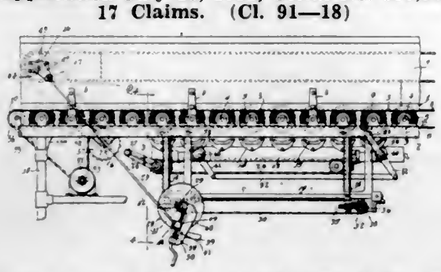
and from the baths, and means cooperating with said guiding means for directing the carrier successively toward said baths when moved under the action of said moving means.

1,985,555

FRUIT WAXING AND POLISHING MACHINE

Fred Stebler, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 13, 1931, Serial No. 550,325
17 Claims. (Cl. 91—18)



1. In a device of the class described, the combination of a fruit conveying means including wax applying brushing means, waxing means for applying solid wax to the brushing means at a uniform constant rate, and means for adjusting the waxing means to alter the constant rate of application of the wax to the brushing means.

1,985,556

NEW INTERMEDIATE PRODUCT FOR AZODYESTUFFS

Richard Stüsser, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 13, 1932, Serial No. 633,018. In Germany September 23, 1931
8 Claims. (Cl. 260—124)

1. The compounds of the general formula:

$$R\left(\begin{array}{l} | \\ -CO-CH_2-CO-NH-R_1 \end{array}\right)_n^{OH}$$

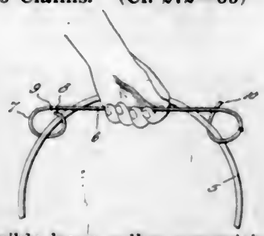
wherein "n" stands for one of the numbers one and two, "R" stands for a radical of the aliphatic, benzene or naphthalene series and "R_1" stands for a radical of the benzene or naphthalene series, or —NH—R_1OH stands for an amino-phenyl-pyrazolone radical, being generally colorless to yellowish colored amorphous substances, generally insoluble in water, soluble in organic solvents and aqueous alkalies and being valuable intermediate products for the manufacture of azodyestuffs.

1,985,557

HOOP ROLLER

George E. Voss, St. Louis, Mo.

Application August 7, 1933, Serial No. 684,052
3 Claims. (Cl. 272—85)



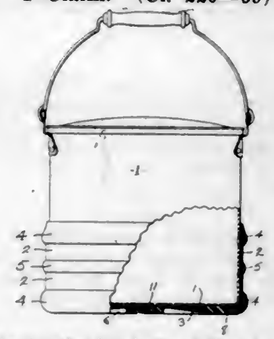
1. A reversible hoop roller comprising a shank having a hoop pushing member at one end thereof and a hoop pulling member at the other end, said members coacting to engage opposite portions of a hoop with the intermediate portion of the shank spaced laterally therefrom to form a carrying handle.

1,985,558

PROTECTOR FOR LUNCH BUCKETS

James H. Alexander, Staunton, Ill.

Application February 26, 1934, Serial No. 713,044
1 Claim. (Cl. 220—69)



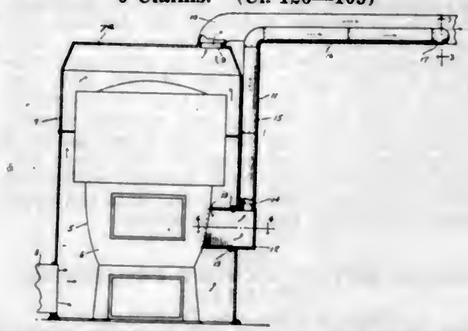
In a protector for buckets of the class described, comprising an annular rubber wall having an upper, a lower and an intermediate extension external of the wall and a radially ribbed bottom therefor, the ribs integrally joined to the bottom and an annular portion as closing means for the space between the ribs to avoid circulation of air beneath the bottom, a flexible fiber lining as an insulation for the bottom and side wall to near the upper extremity thereof but sealed against by an inward extension and downward a spaced distance from the point of the upper extension of the wall, by which means the fiber lining is protected against fluid absorption when a bucket is placed within the said wall.

1,985,559

CIRCULATION EQUALIZER FOR FURNACE FLUES

James Z. Anderson, Brookfield, Ill.

Application March 20, 1933, Serial No. 661,859
9 Claims. (Cl. 126—105)



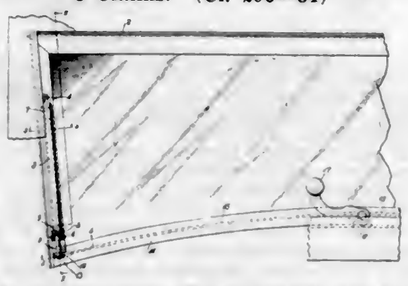
1. A circulation equalizer for a furnace flue comprising, in combination, a furnace including a fire box, a heated air trapping casing completely surrounding said furnace and spaced therefrom, an air delivery pipe connected to the lower portion of said casing, a heated air conducting flue connected to the top of the casing and extending angularly therefrom, a substantially rectangular additional air trapping box fitted through an opening in the wall of said casing and open at its inner end, said open inner end being located in close spaced proximity to the fire box of said furnace, the opposite end of said box extending through and beyond the opening in said casing and being provided with a heated air discharge nipple, a substantially L-shaped equalizer conduit embodying a vertical branch located on the exterior of and in close proximity to one wall of said casing and connected at its intake end with said nipple, the horizontal branch of said pipe being located in close spaced parallelism to said flue and having communicating connection with said flue at a point remote from said casing.

1,985,560

WINDSHIELD FOR AUTOMOBILES

Albert B. Beitman, Cleveland, Ohio

Application November 13, 1931, Serial No. 574,887
8 Claims. (Cl. 296—84)



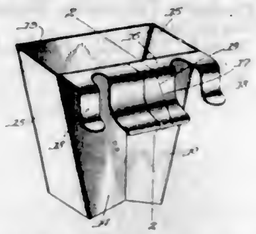
1. In combination, an automobile windshield frame, a windshield mounted therein for swinging movement, bracing means cooperating with the windshield frame and the windshield, a cam mounted for rocking movement relative to the shield, said bracing means having a saddle slidable on and extending around the cam, and means for rotating said cam to frictionally bind said saddle against the side portion of the windshield.

1,985,561

NAPKIN HOLDER FOR TRAYS

Benjamin F. Colwell, Pecos, Tex.

Application June 4, 1932, Serial No. 615,386
2 Claims. (Cl. 65—65)



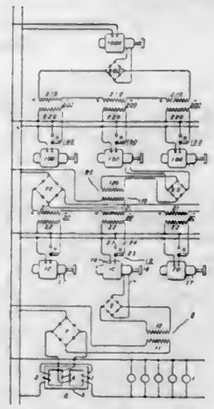
1. A container for articles comprising a substantially box-like structure open at its top and bottom and including front and rear walls and inwardly and downwardly inclined side walls so that the article may be supported therein, said container being provided upon the upper edge of one wall with a relatively long downwardly and outwardly projecting central tongue and relatively short downwardly and outwardly projecting tongues on either side of said central tongue, said shorter tongues being supported at a sufficient distance outwardly from the container body to engage the inner surface of the upstanding flange of a tray when the central tongue is positioned in contact with the outer surface of the flange of the tray.

1,985,562

MULTIPLE CIRCUIT PROPORTIONAL CONTROL SYSTEM

Alan Stewart Fitz Gerald, Wynnewood, Pa.

Application June 27, 1933, Serial No. 677,788
17 Claims. (Cl. 175—312)



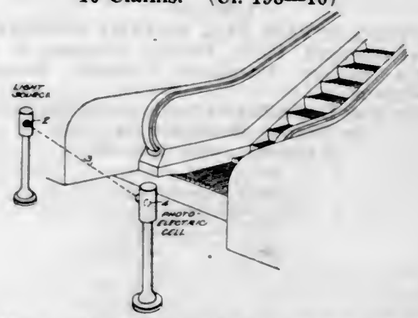
1. In an allumination control system, a supply circuit, a plurality of adjustable control elements energized from said supply circuit, a plurality of illuminating load circuits each individually controllable by one of said control elements, a further adjustable control element energized from said supply circuit and means for controlling a plurality of said illuminating load circuits simultaneously by means of said further adjustable control element comprising a plurality of saturable core devices, means for applying a variable saturating effect derived from said further control element to all of said saturable core devices simultaneously, and means whereby said saturable core devices cause a variation in the energization of said first-mentioned adjustable control elements.

1,985,563

CONTROL SYSTEM FOR ESCALATORS, CONVEYERS, AND THE LIKE

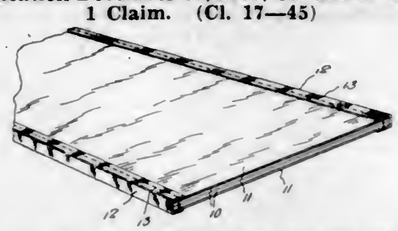
Alan Stewart Fitz Gerald, Wynnewood, Pa.

Application September 9, 1933, Serial No. 688,751
In Great Britain September 14, 1932
10 Claims. (Cl. 198—16)



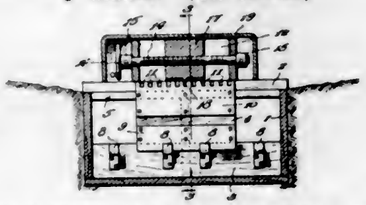
1. In a control system for conveyers the combination of a conveyer, a motor for driving said conveyer, a motor starter controlling said motor, said motor starter comprising a starting contact and a stopping contact, means comprising an electron discharge tube for operating said starting contact substantially instantaneously on approach of an object to be conveyed and means for thereafter operating said stopping contact with a predetermined time delay.

1,985,564
SAUSAGE CASING
Stanley Gall, Cincinnati, Ohio
Application December 30, 1930, Serial No. 505,634
1 Claim. (Cl. 17—45)



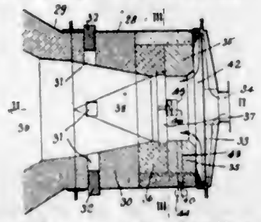
A sausage casing comprising opposed walls of uniform width throughout, the longitudinal edge portions of said walls being turned inwardly, a strong binding strip snugly folded around the adjacent longitudinal edges of both walls and upon the inturned longitudinal edge portions thereof at each side of the casing, and stitching extending through the inturned longitudinal edge portions of both walls and through the longitudinal edge portions of the binding strip at each side of the casing to provide concealed leak-proof joints between the longitudinal edge portions of said walls.

1,985,565
WATER DISTRIBUTOR
William H. Gard, Loveland, Colo.
Application July 31, 1933, Serial No. 683,084
6 Claims. (Cl. 61—28)



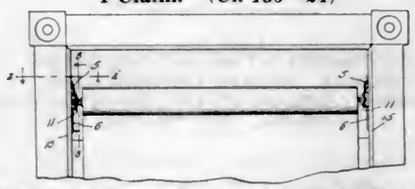
1. An apparatus for the purpose set forth comprising a dividing box, a transverse checkboard therein, a partition at the rear side of the checkboard, a gate slidably resting on the upper edge of the checkboard, and guides for said gate in the dividing box.

1,985,566
HEATING DEVICE FOR ROTARY FURNACES
Henri Garreau, Paris, France, assignor to the firm Rotary Furnaces Limited, Brussels, Belgium
Application December 11, 1931, Serial No. 580,438
In France December 24, 1930
3 Claims. (Cl. 110—28)



1. A burner for a rotary heating furnace in combination with a metal furnace covering, comprising a jacket rigidly connected to said covering, an interior refractory lining within said jacket and forming in the central part thereof a combustion chamber positioned outside the furnace, bars constituting one end of said chamber and the other end of the chamber having direct communication with the interior of said heating furnace, an expansion chamber adjacent and exterior to said bars, and means for leading fuel to said expansion chamber.

1,985,567
WINDOW SHADE BRACKET
John F. Haefele, Stratford, Conn.
Application September 12, 1932, Serial No. 632,854
Renewed August 13, 1934
1 Claim. (Cl. 156—24)



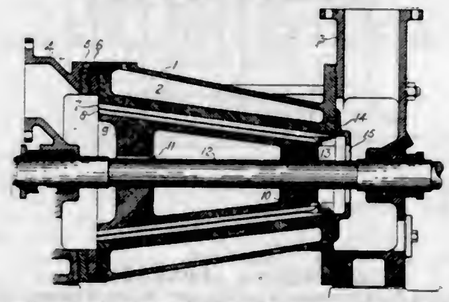
A bracket for window shades or the like comprising a pair of coacting elongated members adapted to be engaged between the parting and finishing strips of a window casing or the like, one of said members having a part provided with an opening to receive the pintle of a shade roller and provided intermediate its ends and at one end respectively with laterally directed side and end flanges arranged to bear respectively at their outer and upper side edges against the opposed walls of said strips, the other member being pivoted at one end to the first-named member near the intermediate flange of the latter and having a laterally directed end flange at its other free end adapted to engage at its lower side edge with the parting strip, and a helical tension spring connecting the corresponding free ends of said members and acting to urge said ends toward each other and to bodily tilt said first-named member about a theoretical axis intermediate its flanges to cause the flanges of said members to bear against and positively engage the opposed walls of said strips.

1,985,568
BATHING SUIT
George L. Hall, Greensboro, N. C., assignor to Swimsafe Products Company, Memphis, Tenn., a corporation of Maine
Application March 23, 1927, Serial No. 177,599
8 Claims. (Cl. 9—20)



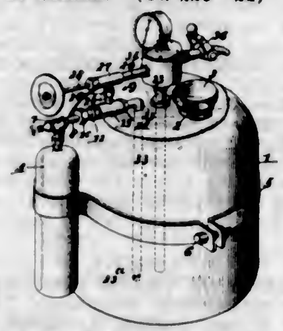
1. A bathing suit comprising the combination of inner and outer garment factors each having a waist portion substantially a duplicate of the other, a pair of trunks pendent from one of the waist portions, and stitching connecting the waist portions to form pockets between the garment factors, the lines of the stitching running substantially longitudinally of the garment factors and one end of each pocket being left open.

1,985,569
REFINING ENGINE
John D. Haskell, Fulton, and Graham P. Prather, Adams Center, N. Y., assignors to Dilts Machine Works, Inc., Fulton, N. Y.
Application May 22, 1933, Serial No. 672,310
13 Claims. (Cl. 92—27)



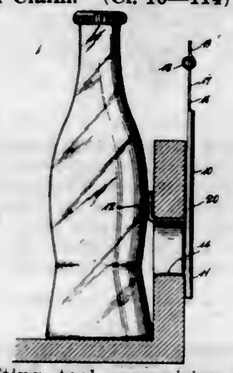
1. In apparatus of the character described, a shell having a frusto-conical interior, in combination with an inlet connection at the smaller end of the shell interior and an outlet at the larger end, a revoluble frusto-conical member within the shell, means for adjusting said shell and member longitudinally with respect one to the other, said shell and member having coacting devices adapted to reduce material passing between them, an impeller revoluble with said member and located at the smaller end of said member and arranged to direct material from the inlet to said reducing devices, and a unitary, separately removable orifice plate supported near the impeller and between said inlet and the impeller.

1,985,570
MIXING APPARATUS AND CONTROL VALVE FOR USE THEREIN
Harry Haven, Baltimore, Md.
Application November 11, 1932, Serial No. 642,294
Renewed November 5, 1934
10 Claims. (Cl. 225—21)



1. Mixing apparatus comprising a liquid container and a discharge pipe leading from the bottom thereof, a faucet which is openable to enable a discharge of liquid from the container through the pipe, a source of pressure fluid, and a valve mechanism situated between said source and the container, said mechanism including means to supply the container with pressure fluid to exercise a constant pressure on the liquid for driving the liquid into the pipe upon opening the faucet and including other means for discharging a jet of fluid into the liquid flowing in the pipe prior to its reaching the faucet.

1,985,571
LIFTING TOOL
Frank A. Hetzel, Harrisburg, Pa.
Application March 24, 1933, Serial No. 662,627
1 Claim. (Cl. 16—114)



A crate lifting tool comprising an integral sheet metal body terminating in a handle portion having a finger receiving opening and formed with a central backbone portion with a stiffening corrugation extending from said finger receiving opening to the opposite end of said body; a roll of material integral at one edge with the finger engaging side of said opening, said roll standing in said opening and centered with respect to said central backbone portion; a pair of lateral wings projecting oppositely from said backbone portion; and crate engaging hooks projecting from the lower edges of said wings at each side of said backbone member in a direction perpendicular to the plane of said handle and wing portions; said crate engaging hooks having a bight extending a substantial distance at right angles to the plane of said body and having upturned portions extending a substantial distance upward from said bight parallel to said body.

1,985,572
ROAD BUILDING COMPOSITION AND METHOD OF PREPARING SAME
David W. Johnston, Vancouver, British Columbia, Canada, assignor, by mesne assignments, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts
No Drawing. Application July 18, 1930, Serial No. 469,002
5 Claims. (Cl. 106—31)

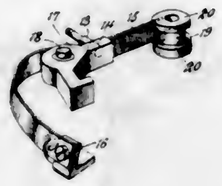
1. The method of preparing asphaltic concrete for roads or the like, which comprises mixing an aqueous emulsion of bitumen with relatively coarse mineral aggregate and agitating the mixture to cause the emulsion to be substantially completely broken and the aggregate to be thoroughly coated with the bitumen, then introducing relatively fine mineral aggregate and an aqueous emulsion of bitumen to the mass of coated relatively coarse mineral aggregate and distributing the same through the mass of coated coarse aggregate without substantially breaking said emulsion to form an aqueous mortar mixture about the coarse aggregate.

1,985,573

MOUNTING FOR CIRCUIT BREAKERS

Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Toledo, Ohio, a corporation of Delaware

Application October 24, 1933, Serial No. 695,037
9 Claims. (Cl. 200—30)



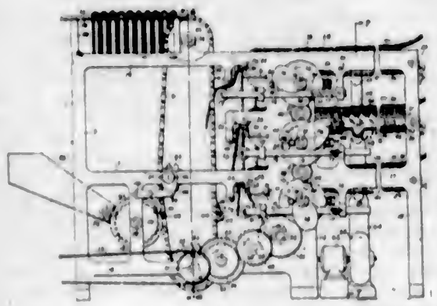
8. An ignition circuit breaker comprising a base, a rocker arm mounted on said base, an elongated spring extending about said rocker arm and from both ends thereof, means for fixedly anchoring one end of the spring to said base, and means on said base for slidably holding the other end of the spring for the purpose described.

1,985,574

MACARONI MACHINE

Francesco Mariani, New York, N. Y.

Application April 4, 1932, Serial No. 602,993
12 Claims. (Cl. 107—14)



1. The method of making macaroni, comprising dividing the multiplicity of continuous strands of macaroni, as delivered by a moulding press, into a plurality of bunches, continuously conveying said bunches at different levels and transversely spreading said bunches while thus conveyed, and cutting like lengths from said spread bunches in rotation.

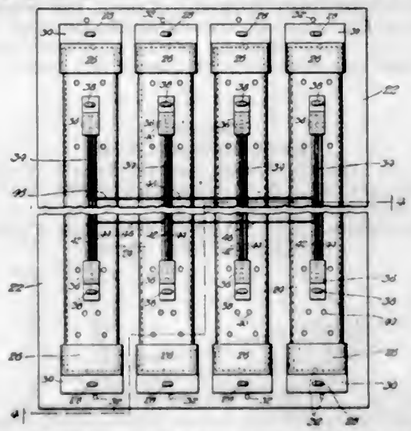
1,985,575

MOLDING MEANS FOR CONCRETE STAVES

Sidney G. Martin, Chicago, Ill.

Application April 6, 1932, Serial No. 603,630
3 Claims. (Cl. 25—121)

1. A mold for forming concrete staves including spaced forms, a partition removably secured to and located on the upper surface of each form and end plates located between the forms and partitions and being adjustable for varying the length of the molded stave, said forms being removably secured to a base by means of housings receiving the ends of the forms and having a pin passing through an opening in the housing and base, and said base being provided with additional openings whereby the location of one form



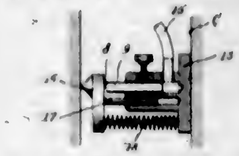
with respect to its adjacent form may be varied within limits.

1,985,576

MEASURING APPARATUS

Marcel Mennesson, Neuilly-sur-Seine, France, assignor to the Société Anonyme de Construction de Materiel Automobile, S. A. C. M. A., Paris, France

Application April 9, 1930, Serial No. 442,915
In Belgium May 21, 1929
2 Claims. (Cl. 33—174)



1. In a work measuring device of the class described, a fluid pressure system including a chamber having two orifices, a source of fluid under pressure, means connecting said source of fluid to one of said orifices, means interposed in said connecting means to regulate the flow of fluid therethrough, a pressure gauge connected to said chamber, a nozzle, a support, a solid of predetermined length movably mounted in said support in alignment with said nozzle, said solid being interposed between the end of the nozzle and the surface of the work, so that pressure fluid may issue from the nozzle between the end of the nozzle and the surface of the solid, a flexible conduit connecting the other orifice of said chamber to said nozzle, variation in the velocity with which the fluid issues through the nozzle being indicated by changes in the indication of said gauge, whereby variation in the distance between the end of the nozzle and the surface of the solid will be indicated.

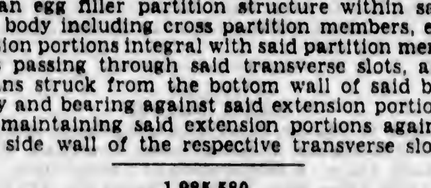
1,985,577

RAILWAY TRACK CIRCUITS

Benjamin Mishelevich, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 27, 1932, Serial No. 613,953
6 Claims. (Cl. 246—41)

1. In combination, a section of railway track, a source of direct current connected with the rails of said section, and a track relay having two windings one of which is connected with the rails of said section and the other of which is con-



nected across said one winding in series with a condenser.

1,985,578

RUBBER SOLE AND HEEL

Albert L. Murray, Auburn, Ind.

Application September 15, 1933, Serial No. 689,647
13 Claims. (Cl. 36—32)



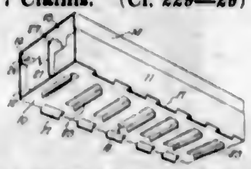
1. A rubber ground engaging member for shoes having a tread layer of substantially pure rubber having a high cushioning effect, said layer having a tread receiving portion of sufficient thickness to develop high cushioning under use and having a marginal portion having a thickness constituting a minor fraction of the thickness of the tread receiving portion, said marginal portion being offset away from the ground engaging face of said member.

1,985,579

FOLDING EGG BOX

Samuel Reich, Brooklyn, N. Y.

Application September 22, 1933, Serial No. 690,508
7 Claims. (Cl. 229—29)



1. In a folding egg carton, a box body having spaced transverse slots in the bottom wall thereof, an egg filler partition structure within said box body including cross partition members, extension portions integral with said partition members passing through said transverse slots, and means struck from the bottom wall of said box body and bearing against said extension portions for maintaining said extension portions against one side wall of the respective transverse slots.

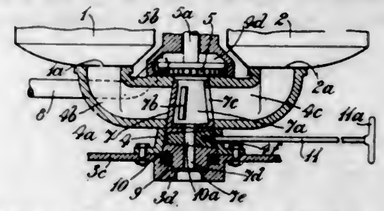
1,985,580

FLOW CONTROLLING MEANS FOR DISHWASHERS

Valdemar Rendle, Pembury, near Tunbridge Wells, and Wilfred Charles Cross, Tunbridge Wells, England, assignors to The Kent Dish Washing Machine Company Limited, Tunbridge Wells, England

Application January 12, 1932, Serial No. 586,174
In Great Britain January 28, 1931
1 Claim. (Cl. 277—39)

In a device of the class described, a housing having a valve chamber therein provided with an outlet in its top and a drain opening in its bottom, the housing having inlet ports at opposite sides of the valve chamber and a slot in one side below the inlet ports, a main plug valve in the valve chamber having an axial bore extending completely therethrough, the lower part of the bore constituting a drain opening a pair of ports in the valve communicating with said bore and disposed out of alinement with each other and adapted, when the valve is turned on its axis, to dispose one of the valve ports in registration with one of the housing ports and disconnect the other of said valve ports from the other of said housing ports, an auxiliary plug valve in the main valve below the inlet ports in the housing having its axis at a right angle to the axis of the main valve



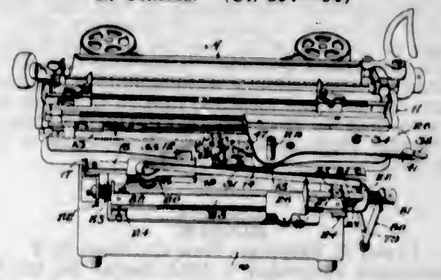
and having a diametrical port adapted to communicate with said bore, and a handle lever fixed to the auxiliary valve and projecting through the slot in the side of the housing, said lever being rotatable on its own axis to turn the auxiliary valve on its axis to close the drain opening and swingable in an arc about the axis of the main valve as a center to turn the main valve on its axis.

1,985,581

VARIABLE SPACING FEED MECHANISM FOR TYPEWRITING MACHINES

Rochfort Wybrants Robinson, San Antonio, Tex.

Application September 19, 1933, Serial No. 690,141
12 Claims. (Cl. 197—84)



1. In a typewriting machine, a carriage, an escapement mechanism therefor including a bar which is advanced step-by-step in response to actuation of the typewriter keys and with respect to which the carriage is longitudinally movable, a variable spacing feed mechanism for the carriage comprising a track element at the rear of the machine to be disposed at an inclination to the path of travel of the carriage, a bell-crank lever pivoted to the carriage and having one arm connected to said bar, a track follower mounted on the other arm thereof, a stop element at the rear of the track element movable longitudinally with respect thereto to vary the inclination thereof, and means at the front of the machine operatively connected with said stop element for adjusting the same longitudinally of the track element.

1,985,582

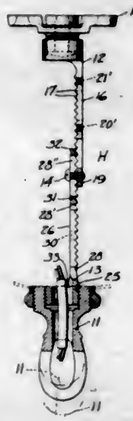
FIXTURE HANGER

Abraham Schwinger, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Inc., a corporation of Pennsylvania

Application May 28, 1932, Serial No. 614,260
1 Claim. (Cl. 240—85)

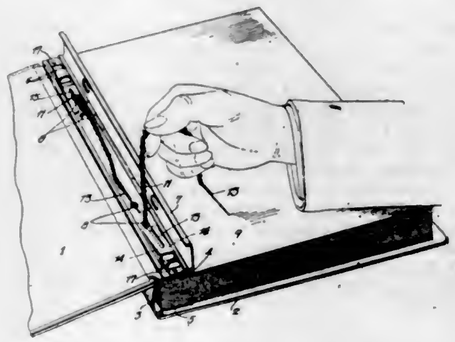
A fixture hanger comprising a unitary L-shaped bar having a tapped head to fit the stud of an out-

let box, and a depending shank provided with a plurality of serrations across one face thereof, a second unitary L-shaped bar having serrations across one face adapted to interfit the serrations on the other bar in a plurality of positions so that the heads of the bars may be spaced substantially twice the length of the serrated portions of the bars or any lesser amount down to the length of the bar, one bar having vertically extending slots, the other bar having holes op-



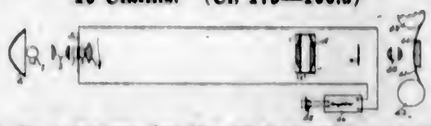
posite the slots, and a clamping screw extending through a slot in one bar and a hole in the other bar, the ends of the shanks of the bars being readily severable so as not to interfere with the heads of the bar when making a closer adjustment, the screw receiving holes and slots being spaced so that sliding adjustment is available when the screw is loosened and so that the serrations may be clamped in interfitting relation in regular steps according to the spacing of the serrations.

1,985,583
BINDER
Lester E. Shipman, Kew Gardens, N. Y.
Application December 1, 1932, Serial No. 645,158
6 Claims. (Cl. 129—41)



6. An improved binder which includes a pair of binder strips, a chain adapted to pass through leaves to be held, said chain anchored at the lower end to one of said strips, and a slidable latch moveable on the other strip to engage the upper end of the chain, said latch having a sloping slotted cam surface to engage with a link of the chain and exert a longitudinal pull on the chain.

1,985,584
SOUND RECORDING SYSTEM
Clifton R. Skinner, Palo Alto, Calif.
Application March 27, 1931, Serial No. 525,670
10 Claims. (Cl. 179—100.3)



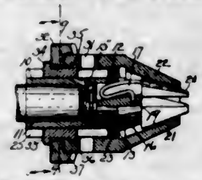
1. In a system for the photographic recording of sound on a moving record, a galvanometer comprising a moving element arranged to move normal to the direction of movement of said record, means for illuminating said element, a cylinder objective lens adapted to project an enlarged image of said element onto said record transverse to the motion of said element, a second cylindrical objective lens at right angles to said first-mentioned lens for forming a diminished image of said element at a focus intermediate said second lens and said record, a diaphragm positioned at said intermediate focus, and a third lens for projecting the combined images of said element and said diaphragm on said record.

1,985,585
DELIVERY BOX FOR SUCH ARTICLES AS CIGARS AND CIGARETTES
Charles F. Stone, Upper Darby, Pa.
Application June 26, 1931, Serial No. 546,942
3 Claims. (Cl. 206—41)



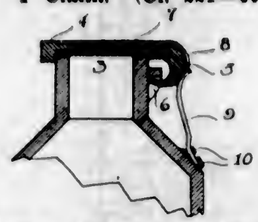
1. A delivery box for cigars, cigarettes or the like, having a diagonal guideway down to one edge of the box, a delivery opening in the box and a gate therefor adapted to be lifted and lowered and capable of swinging inwardly from the end of the box to meet the partition between two of the articles delivered and assist in the discharge of the end article.

1,985,586
DRILL CHUCK
Arthur M. Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application May 31, 1933, Serial No. 673,615
3 Claims. (Cl. 279—60)



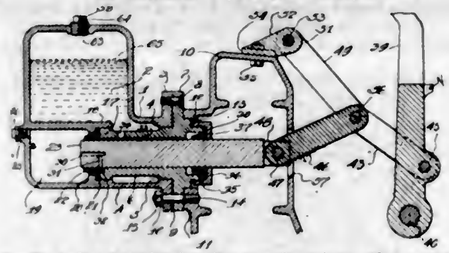
1. A chuck including a body, a clamping sleeve threadedly engaged with said body and rotatable thereon, clamping jaws supported by the body and operatively engaged by said sleeve, a toothed ring encircling said body adjacent the end of said sleeve and having its teeth positioned for engagement by the teeth of a key rotatably engaged with said clamping sleeve, and means for attachment of the ring to the sleeve for relative rotation of said sleeve and ring.

1,985,587
COLLAPSIBLE TUBE, CONTAINER, AND RECEPTACLE
Robert Williamson Storrs, Jr., Richmond, Va.
Application August 10, 1934, Serial No. 739,201
1 Claim. (Cl. 221—60)



In a device of the character described consisting of a container, a cap pivotally connected to said container; a groove on said cap, and a resilient member engaging said groove and secured to said container to cause said cap to remain either in open or closed position as the case may be.

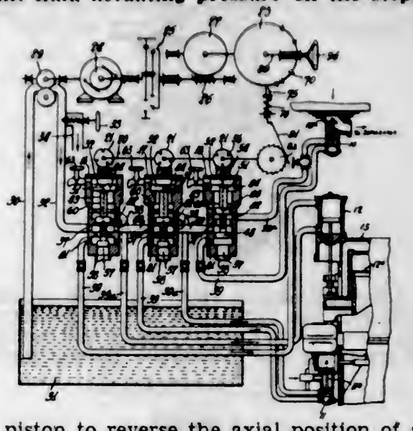
1,985,588
BRAKE
John W. Tatter, Detroit, Mich.
Application April 28, 1931, Serial No. 533,467
11 Claims. (Cl. 60—54.6)



1. In a hydraulic brake mechanism, the combination of a supporting housing having an opening therethrough, means suitably mounted on said supporting housing and provided with a cylinder space together with a fluid reservoir connecting with the cylinder space, a piston suitably mounted to operate in the cylinder space of said means, said piston extending through the opening of said supporting housing, an actuating lever suitably mounted on the outside of said supporting housing, a pair of links operatively connecting said piston and said actuating lever, one only of said pair of links being connected to said actuating lever, a third link pivotally mounted adjacent the outer surface of said supporting housing, said third link being located between said housing and said actuating lever, each of said pair of links being pivotally connected to said third link, said piston being moved at a decreasing rate by said links and said lever when pressure is applied to said actuating lever.

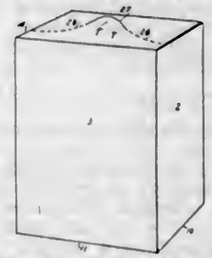
1,985,589
MECHANISM FOR CONTROLLING THE OPERATION OF MACHINES AND APPARATUS
Gustav ter Meer, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y., a corporation of New York
Application May 16, 1933, Serial No. 671,316
In Germany June 11, 1932
20 Claims. (Cl. 121—147)

1. A device for controlling centrifugal separators, including a rotatable master control member, a plurality of fluid actuated motors, a corresponding number of reversing valves, each having a valve member in the form of a stepped piston, means for delivering actuating fluid to each of said valves, means for varying the resultant fluid actuating pressure on the steps of



said piston to reverse the axial position of said piston at intervals corresponding to the operation of said master control member, and means for delivering actuating fluid to said motors in accordance with the positions of said pistons.

1,985,590
RECLOSABLE CARTON
Arthur J. Weiss, St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application June 28, 1933, Serial No. 677,957
6 Claims. (Cl. 229—39)

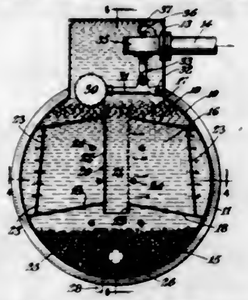


1. A paper board carton having a closure comprising an inner or lower rectangular flap, an outer flap covering the first flap, and means sealing said flaps together along mating straight edges thereof, said flaps being relatively free at the opposite mating edges, one of said flaps having therein and extending completely across it between the joined and free portions a weakened line, whereby the closure may be urged in one direction to break the board along said line, so that the flaps may then be opened.

1,985,591
SEPARATION OF OIL
John T. Welsh, Ridgway, Pa.
Application October 2, 1931, Serial No. 566,519
9 Claims. (Cl. 210—54)

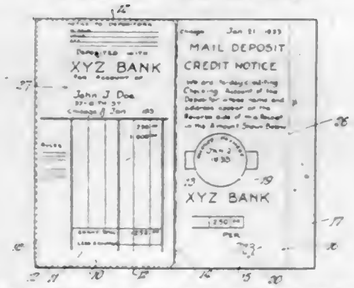
1. A device of the character described comprising a tank having a lower, an intermediate and an upper compartment, a vertical member dividing the intermediate compartment into two chambers and extending into the upper and lower compartments, means to direct the influent into said vertical member, said vertical member be-

ing shaped to provide two sets of vertical channels leading from the lower to the upper compartment, any two successive channels directing the flow in opposite directions, said sets being



in communication with different chambers throughout the full height of the chambers, an inlet for said lower compartment and outlets for said chambers and said upper compartment.

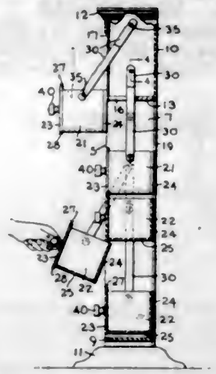
1,985,592
RECEIPT ENVELOPE
Lawrence P. Woodward, Evanston, Ill., assignor to William Cherney, Chicago, Ill.
Application February 13, 1933, Serial No. 656,482
2 Claims. (Cl. 229—70)



1. A mailable receipt envelope for making bank deposits by mail comprising in combination a closed rectangular envelope pocket, the rear face of which is formed by an integral sheet having an uninterrupted surface extending substantially throughout the area of the rear face of said pocket and presenting a surface which may be printed upon after formation of the envelope, the joints forming the closed pocket lying at the edges of said pocket, and a substantially rectangular sealing flap of a size to cover substantially the entire rear face of said pocket, said rear face and flap when unfolded being adapted to be inserted in an imprinting device and presenting smooth surfaces to be imprinted upon.

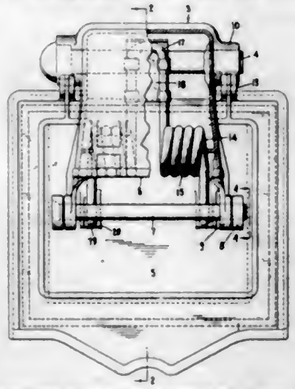
1,985,593
CABINET STRUCTURE
Claud M. Allen, East Akron, Ohio
Application November 2, 1933, Serial No. 696,428
7 Claims. (Cl. 312—153)

1. In a cabinet structure, a housing having an open front, a plurality of compartments arranged one above the other in said housing, each of said compartments having a front wall provided with an outer face and each of said compartments also having a rear portion, end portions and a bottom portion, and separate means connected to said housing and to each of said compartments to permit swinging of a selected compartment forwardly into a position where one of said portions of the compartment so swung abuts the outer face of the front wall of an adjacent upper



compartment, whereby said compartment so swung is retained in a rigid open position.

1,985,594
JOURNAL BOX
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application October 22, 1928, Serial No. 314,187
15 Claims. (Cl. 308—47)

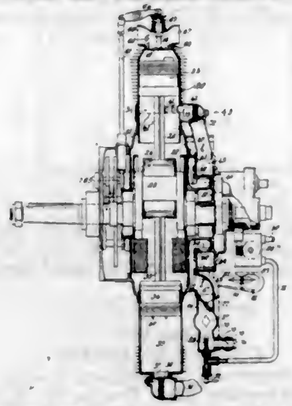


1. In combination, a journal box having a hinge lug, a lid assembly pivotally carried thereby and comprising a retainer and a lid proper movably connected adjacent the center of the latter, and resilient means engaging the retainer intermediate the ends and with straight transversely spaced lower arms engaging the lid proper and an upper arm engaging the hinge lug.

1,985,595
EXPLOSIVE MOTOR
Richard Beckman, New York, N. Y.
Application August 17, 1928, Serial No. 300,221
5 Claims. (Cl. 123—55)

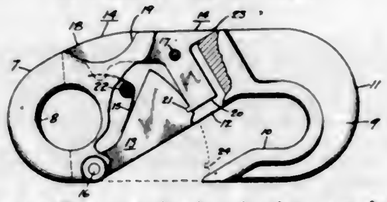
1. A fixed radial hydrocarbon engine comprising a plurality of radially-disposed power cylinders and air compression cylinders in the same radial plane, a crank and crank-shaft, pistons in the cylinders connected with the crank, a stationary gas-mixing chamber, conduits connecting the air compression cylinders with the chamber, means for feeding fuel to the chamber, and a gas distributor comprising a conduit connected with the chamber, conduits connected with the power cylinders, and relatively movable port-

controlling elements by which the distributor conduit may be brought into successive communication with the conduits connected with the



power cylinders, whereby an intermittent connection may be effected between the chamber and each of the power cylinders.

1,985,596
BLOCK HOOK
William C. Burnham, Menlo Park, Calif., assignor to Davis Emergency Equipment Company, Incorporated, New York, N. Y., a corporation of Delaware
Application July 21, 1933, Serial No. 681,503
11 Claims. (Cl. 24—241)



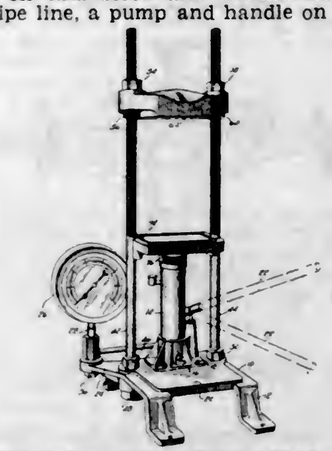
1. In a safety snap hook, a hook proper having a throat, a member pivoted to said hook and adapted to close said throat, and means pivoted to said hook for engaging said member to lock the latter in throat closing position or after a pivotal opening movement of said member in a throat open position.

1,985,597
FUNGICIDE
William S. Calcott, Pennsgrove, N. J., and Melvin O. Foreman, Oakharbor, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1932, Serial No. 618,936
10 Claims. (Cl. 99—12)

1. The method of preserving materials normally subject to attack by fungi which comprises impregnating the materials with a-nitro-naphthalene.

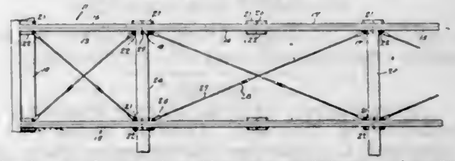
1,985,598
LABORATORY PRESS
Fred S. Carver, East Orange, N. J.
Application July 31, 1928, Serial No. 296,531
3 Claims. (Cl. 100—50)

1. A hydraulic press comprising a generally flat base, foot portions extending forwardly, a ledge extending to the rear and side, guide rods made fast to the base and extending vertically, an upper platen secured on said guide rods, a unit detachable as a whole consisting of a hydraulic jack, a pipe line leading therefrom, a block at the end of the pipe line, and a pressure gauge on said block and communicating with said pipe line, a pump and handle on said jack,



said unit being arranged for attachment with the jack fastened on the base between the guide rods, the pipe line running past one of the guide rods on the rear thereof, the block bearing the gauge fastened on the rearwardly and laterally extending ledge on the base, and the jack pump handle extending forwardly out over the feet on the base.

1,985,599
ROOF CONSTRUCTION
Vincent K. Cates, Ralph H. Congreve, Axel V. Pedersen, Los Angeles, and Edward D. Seaver, Alhambra, Calif., assignors to Summerbell Truss Co., Los Angeles, Calif., a partnership composed of Fred H. Hodgins and Charles C. Calvert
Application November 19, 1931, Serial No. 576,114
19 Claims. (Cl. 108—23)

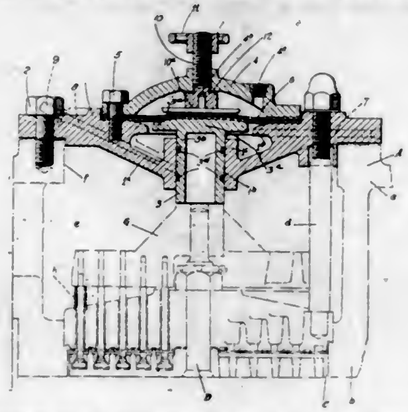


1. An arch construction comprising a plurality of arches positioned side by side, said arches being formed of arch segments, the joints between adjacent segments in one arch being staggered with relation to the joints in the other, fastening devices extending through both arches adjacent the joints therein, and means positioned against the outer sides of the arch connecting the fastening devices across the joints, said means providing ledges beneath the top of the arch serving as bases for supporting struts between adjacent arch constructions.

1,985,600
CONTROL MECHANISM FOR COMPRESSOR VALVES
Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application February 26, 1931, Serial No. 518,406
4 Claims. (Cl. 137—156)

1. In compressor control apparatus, an inlet valve, a chamber in which the valve is mounted,

a closure for said chamber, said closure having a bearing, a piston mounted in said bearing and connected to the valve to operate the latter, and being exposed to pressure in said chamber tending to force the piston outwardly, a second chamber positioned outwardly of said piston and having



a movable wall connected to the latter, said movable wall having an area greater than the effective area of the piston exposed to fluid pressure in the first chamber whereby the piston may be forced inwardly to operate the valve when the pressure in the second chamber is no greater than the pressure in the valve chamber.

1,985,601
ARYLAMINE AND METHOD FOR ITS PRODUCTION

Miles A. Dahlen and Robert E. Etzelmiller, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 12, 1933, Serial No. 680,078

12 Claims. (Cl. 260—124)

7. Organic compounds having the following general formula:

X—CONH—Arylene—NH_2

in which X represents a hydroaromatic nucleus, and arylene represents an arylene nucleus.

1,985,602
NONDYEING SULPHURIZED PHENOL

Frederick B. Downing, Carneys Point, N. J., Richard G. Clarkson, Wilmington, Del., and Chester W. Hannum, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 15, 1932, Serial No. 642,760

8 Claims. (Cl. 260—20)

1. A process for producing sulphurized derivatives of phenols which comprises reacting a monohydric phenol with an amount of sulphur insufficient to react with all the phenol present in the presence of an alkali metal hydroxide, and subsequently removing the unreacted phenol.

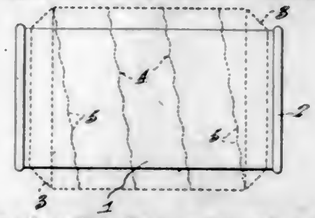
1,985,603
PROCESS OF WINDING THREADS AND THE LIKE

Richard Elssner, Johnson City, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application April 1, 1932, Serial No. 602,635

4 Claims. (Cl. 242—159)

1. In a method for winding yarn upon spool, the steps of winding the yarn thereupon in a series of superimposed layers extending in opposing helical directions, undulating the filaments in each layer so that a series of undulations in



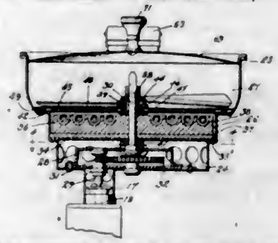
the plane of each helix is produced, and gradually decreasing the amplitude of the undulations as the thread body upon the spool increases in size.

1,985,604
COFFEE ROASTER

Patrick J. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Mfg. Company, Torrington, Conn., a corporation of Connecticut

Application December 6, 1932, Serial No. 645,931

3 Claims. (Cl. 34—23)



1. A roaster comprising a casing having a heating unit and an agitator shaft therein, a power shaft, coupling means on said roaster for connecting said agitator shaft to said power shaft, reduction gears between said agitator shaft and coupling, a support, and a coupling surrounding said power shaft for connecting and supporting said casing to said support.

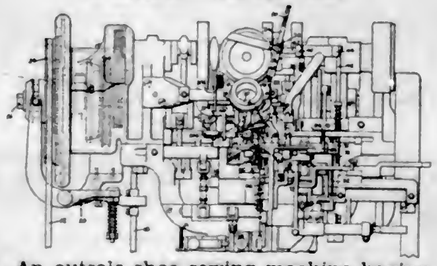
1,985,605
THREAD CUTTER DEVICE FOR SEWING MACHINES

Joseph Gouldbourn, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 29, 1933, Serial No. 687,276

In Great Britain October 6, 1932

19 Claims. (Cl. 112—252)



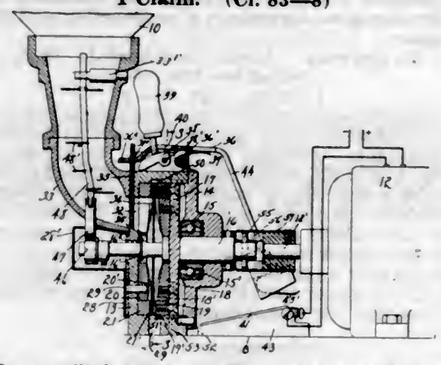
1. An outsole shoe sewing machine having, in combination, stitch forming devices including a hook needle and a shuttle, a work table, a presser foot, and a thread cutter comprising a knife edged member operating on the machine at the side of the work engaged by the presser foot to sever both threads outside the surface of the work.

1,985,606
GRINDING DEVICE

Otto Herrmann, New York, N. Y.

Application June 16, 1931, Serial No. 544,721

1 Claim. (Cl. 83—8)



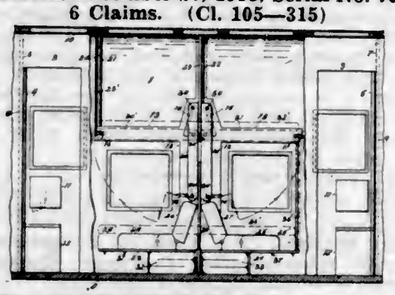
In a mill having grinding means and means for driving the latter, conduit means for directing the material to be ground to said grinding means, an eccentric driven by said driving means, a connecting arm mounted on said eccentric, a stem pivotally connected to said connecting arm and extending through said conduit means and agitating means in said conduit means for smoothly feeding the material to be ground, said agitating means comprising laterally projecting members mounted at intervals along said stem, and a member in said conduit means in which the upper end of said stem is slidably guided.

1,985,607
COMBINATION DAY AND SLEEPING PASSENGER CARRYING VEHICLE

Albert E. Hutt, Pelham, N. Y.

Application December 27, 1933, Serial No. 704,109

6 Claims. (Cl. 105—315)



1. In a combination day and sleeping passenger carrying vehicle having a floor, roof, side and end walls, a longitudinal aisle, adjacent compartments located between an outer wall of said vehicle and said aisle, seats and bed sections in each compartment, fixed partitions between each pair of adjacent compartments, partitions between said compartments and said aisle, doors in said partitions, a plurality of movable substantially vertical members separating said adjacent compartments, said movable vertical members together with said bed sections being disposed to be so relocated within the confines of each pair of said two adjacent compartments as to form two new compartments each having a horizontal section and a vertical section, the horizontal section of one compartment being above the horizontal section of the other compartment and communicating with the upper part of one of the vertical sections and the horizontal section of the other compartment being below the horizontal section of the first compartment and communicating with the lower part of the other vertical section.

1,985,608
RING TRAVELER

Edwin R. Jerome, Cranston, R. I., assignor to Victor Ring Traveler Company, a corporation of Rhode Island

Application May 18, 1933, Serial No. 671,677

5 Claims. (Cl. 118—61)



1. A symmetrical traveler for a horizontal ring flange having a straight shank, horns having terminal portions extending downwardly to be positioned beneath a ring flange, and curved connecting portions joining said shank and said horns.

1,985,609
PROCESS FOR THE DIGESTION OF VEGETABLE GROWTHS TO PRODUCE CELLULOSE

Herman B. Kipper, Accord, Mass.

No Drawing. Application September 18, 1933, Serial No. 689,875

8 Claims. (Cl. 92—6)

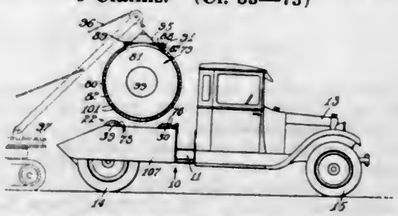
1. In a process for the digestion of vegetable growths to secure cellulose fibre the step of subjecting the said growths to the action of the oxides of nitrogen and simultaneously to mechanical beating produced by cylindrically rapidly moving metal pieces.

1,985,610
TRANSIT CONCRETE MIXER

Roscoe F. Lee, Indianapolis, Ind., assignor to Lee Transit Mixer Corporation, Indianapolis, Ind., a corporation of Indiana

Application April 18, 1930, Serial No. 445,273

9 Claims. (Cl. 83—73)



1. An attachment for vehicles comprising a U-shaped frame, means for securing the legs of said frame to a vehicle chassis, a shaft having its ends journalled in bearings mounted on said legs at the base of said frame, a channeled wheel mounted on said shaft substantially in the median plane of each of said legs, a shaft mounted in bearings adjacent the free end of one of said legs, a channeled wheel mounted on said shaft substantially in the plane of one of said first mentioned wheels, a further shaft mounted in bearings adjacent the free end of the other of said legs, and a channeled wheel mounted on said shaft substantially in the plane of the other of said first-mentioned wheels.

1,985,611
RETRACTABLE LANDING LIGHT

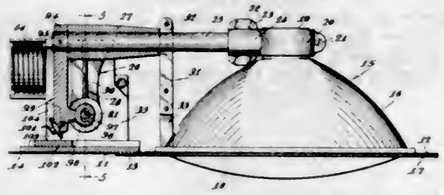
Lester F. Lemm, Lynwood, Calif., assignor to Fred G. Breding, Huntington Park, Calif.

Application October 30, 1933, Serial No. 695,861

7 Claims. (Cl. 240—7.7)

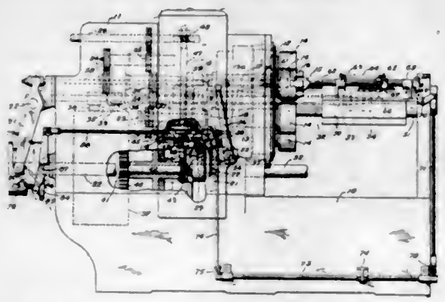
1. In a retractable landing light, a rotatable shaft having an arm with an inner and outer sec-

tion at substantially right angles, the inner section being secured to the shaft, a lamp secured to the outer section whereby on rotation of the shaft the arm swings in a plane and the lamp may be moved in arcuate movement from a housed



to an extended position, the outer section of the arm being rotatable on its axis and means to rotate said outer section to tilt or incline the lamp in reference to the plane of its arcuate swinging movement.

1,985,612
AUTOMATIC STOP FOR CHUCKING MACHINES
Arthur J. Lewis, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application April 22, 1933, Serial No. 667,336
19 Claims. (Cl. 29—38)



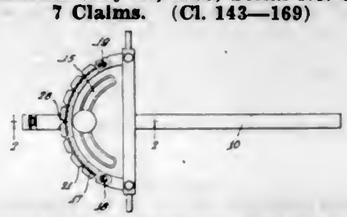
1. In a chucking machine including a rotatable turret, a plurality of work spindles carried by the turret and having work holding means providing loading and working stations, means for indexing the turret between working cycles, means for releasing the work at the loading station between indexing operations, means for preventing removal of the released work, manually operable means for retracting said latter means, and means controlled by said manual means for controlling the functioning of the machine.

12. In a machine of the character described, a control means comprising a manually movable member to control functioning of the machine, a longitudinally shiftable rod, a body member mounted on the rod, a catch pivoted to the body member and adapted to engage the first member, a cam to longitudinally shift the rod to shift the first member, a control member pivoted to the body member, friction means to hold the control member in adjusted positions, a shoulder on the control member to normally hold the catch in effective position, lugs on the control member, stationary stop means to engage said lugs to shift the control member in opposite directions, means to shift the rod laterally to cause one of said lugs to turn the control member to shift the catch to effective position, and a cam to shift the rod longitudinally to cause the other lug to turn the control member in the opposite direction to set the latch in effective position.

1,985,613
PROCESS FOR STABILIZING THE COLOR OF NAPHTHAS
Gordon McIntyre and Ernst G. Ulbricht, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 16, 1932, Serial No. 605,780
1 Claim. (Cl. 44—9)

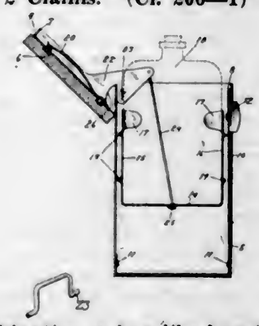
The method of stabilizing motor fuels comprising cracked gasoline of the type which contains constituents tending to develop objectionable color and gum when exposed to sunlight comprising extracting a portion of the more readily oxidizable constituents by washing the fuel with less than about 5% of ethylene glycol, removing the extraction solvent layer from the motor fuel, and leaving a small amount of the ethylene glycol in the motor fuel, this amount being sufficient to stabilize the motor fuel.

1,985,614
MITER GAUGE
William J. Merrigan, Los Angeles, Calif., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif., a corporation of California
Application July 12, 1933, Serial No. 680,085
7 Claims. (Cl. 143—169)



1. A miter gauge comprising a base, means providing a fence pivotally mounted upon the base, means providing a notched segment associated with the fence having inwardly tapering notches, and indexing means associated with the base having a tapered point adapted to be caused to enter and closely fit any of the notches to cause the fence to accurately assume the desired angular position with respect to the base, the bottoms of the tapered notches being wider than their tops.

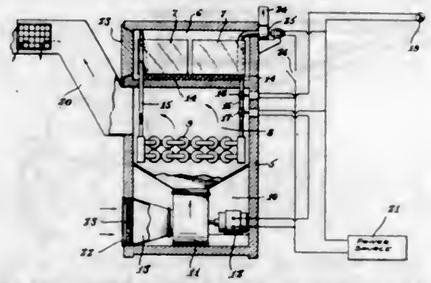
1,985,615
CONTAINER
August Mitchell, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application January 11, 1933, Serial No. 651,129
2 Claims. (Cl. 206—1)



1. In combination, a box-like housing, a cover therefor, two wing pieces on the under side of said cover, means hingedly connecting said wing

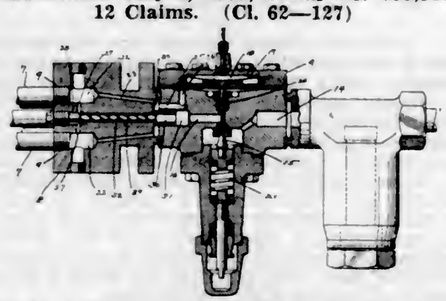
pieces with the housing, said means including a crank journaled in the housing with the bent portion disposed between the wing pieces, a support movable in the housing, and means connecting the wing pieces with the support for causing the support to be raised upon opening movement of the cover and lowered upon closing movement thereof.

1,985,616
AIR CONDITIONING UTILIZING CARBON DIOXIDE ICE
Harry E. Morton, Boston, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application July 5, 1934, Serial No. 733,843
3 Claims. (Cl. 62—91.5)



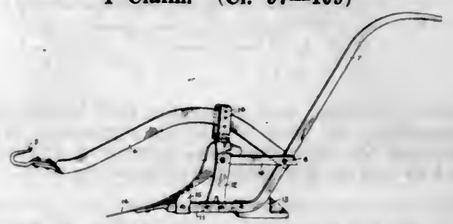
1. Air cooling apparatus, comprising an insulated air cooling compartment, evaporator coils arranged as air cooling coils in said compartment in the path of the air to be cooled, a second insulated compartment for the reception of solidified carbon dioxide, condenser coils in said second compartment exposed to the cooling effect produced therein, said evaporator and condenser coils being arranged in a closed refrigeration circuit containing a volatile refrigerant, means for moving the air to be cooled over said evaporator coils and discharging it into the space to be served, and means for removing the carbon dioxide formed in said second mentioned compartment and for discharging it to a point remote from the space to be served by said apparatus with cool air.

1,985,617
DISTRIBUTOR HEAD
Harry E. Morton, Boston, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application July 5, 1934, Serial No. 733,844
12 Claims. (Cl. 62—127)



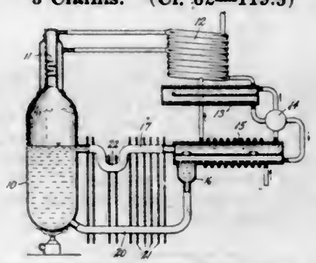
1. An expansion mechanism for refrigeration evaporators, comprising an expansion valve, a distributor head, a plurality of outlets in said head leading to a plurality of evaporators, a plurality of orifices connecting with said outlets and with the output side of said valve, and means for preventing the segregation of unevaporated liquid from the evaporated liquid in its travel between said valve and said orifices.

1,985,618
PLOW
William Parsons, Manila, Philippine Islands
Application September 5, 1933, Serial No. 688,175
1 Claim. (Cl. 97—109)



In a plow of the class described, a handle-bar extending beneath the plow, a shoe at the base of the handle-bar and a share at the front thereof, a standard connected to said handle-bar between said shoe and share, a mold-board secured to said standard, a plow-beam pivoted to said handle having means at the front for pulling the same, and adjustable connecting means between the beam and standard, said means including a U-shaped guide bracket fixed to the top of the standard having a vertical series of holes therein, and a pin selectively insertable through one of said holes and below, through or above said beam to fix its position relatively to the plowing elements.

1,985,619
REFRIGERATION
Nils Persson and Sigurd Mattias Bäckström, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1930, Serial No. 492,189
In Germany January 7, 1930
3 Claims. (Cl. 62—119.5)

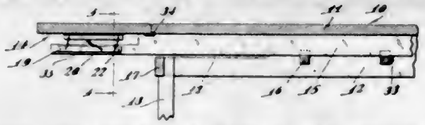


3. In an absorption refrigerating system, a boiler, an absorber, vertically spaced conduits connecting the boiler with the absorber at high and low levels respectively, and horizontally separated heat conducting members secured to and between said conduits for transmitting different temperatures between the tubes for progressive heating of one conduit and progressive cooling of the other, without substantial horizontal equalization of temperature.

1,985,620
REFECTORY TABLE
Olivius A. Raphael, Los Angeles, Calif.
Application September 12, 1933, Serial No. 689,059
3 Claims. (Cl. 311—58)

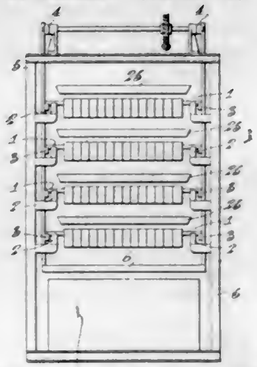
1. A refectory table having a stationary top and legs supporting the top, a pair of bars slidably mounted immediately below the top, guides for the bars, a table leaf, a pair of supporting arms extending outwardly from the bars, stop means limiting the outward sliding movement

of the bars and so arranged that when the bars are fully extended the outer portions thereof form a support for the leaf when the latter is in op-



erative position, and a parallel link mechanism connecting the table leaf to the supporting arms whereby the table leaf may be moved upwardly and to rest on the outer portions of the bars.

1,985,621
ARRANGEMENT FOR THE WET TREATMENT OF SPINNING CAKES, ETC.
Ferdinand Rathgeber, Arnhem, Holland, Walter Schulz, Viktor Beplate, and Adolf Ruesch, Sydowsau, near Stettin, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1931, Serial No. 508,364
In Germany January 11, 1930
20 Claims. (Cl. 18—8)



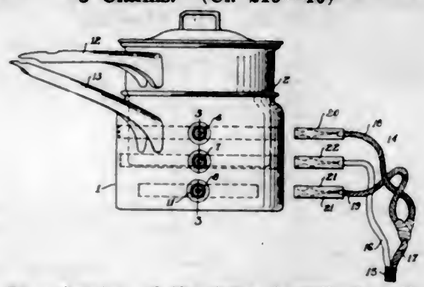
1. Apparatus for wet-treating artificial filament masses comprising a plurality of sticks for carrying the filament masses, spaced stationary members having spaced grooves for seating the sticks, means for advancing the sticks to other grooves and effecting turning of the filament masses about the sticks, and means for applying fluid to the filaments.

1,985,622
LACTOBACILLI FRUIT AND VEGETABLE JUICES
John Reichel and Harry A. Cheplin, Philadelphia, Pa., assignors to Sharp & Dohme, Inc., Philadelphia, Pa., a corporation of Maryland
No Drawing. Application June 10, 1931, Serial No. 543,389
8 Claims. (Cl. 99—11)

1. New lactobacillus products comprising fruit and vegetable juices containing stabilized and buffered lactobacilli in number or amount comparable with those present in cultured or fermented lactobacillus products, said new fruit and vegetable juices retaining substantially unchanged their normal physical appearance, volume, taste and keeping qualities, said bacilli being stabilized and buffered and having their viability preserved thereby.

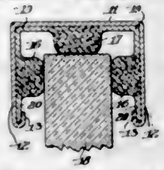
7. The method of producing new lactobacillus products which comprises admixing with fruit and vegetable juices a stabilized lactobacillus concentrate of such small volume that the volume of such fruit and vegetable juices is not materially changed and with such number and amount of lactobacilli that the fruit or vegetable juice will contain in excess of about two hundred million to the cubic centimeter, said concentrate containing neutralizing and buffering agents which preserve and buffer the bacilli, and maintaining such fruit and vegetable juices at a low temperature.

1,985,623
MULTIPLE ELECTRODE LIQUID HEATER
Carroll A. Ross, Piqua, Ohio
Application February 27, 1933, Serial No. 658,721
5 Claims. (Cl. 219—40)



1. In a heater of the type described, a liquid container, three or more spaced horizontal electrodes adapted to be covered by the liquid in said container, contact members for said electrodes projecting through a side wall of said container, an electric circuit, and plugs connected to said circuit for application to two or more of said contact members to include their respective electrodes in said circuit.

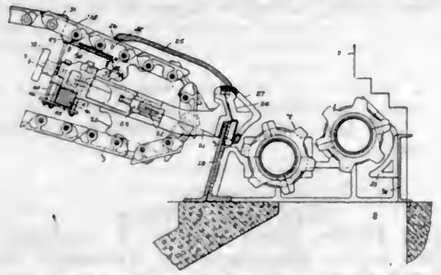
1,985,624
WINDOW CHANNEL
Charles P. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Application February 26, 1932, Serial No. 595,352
4 Claims. (Cl. 296—44.5)



3. A window channel comprising in combination a substantially channel shaped supporting member, and a textile lining strip for said member having laterally spaced pads of substantial thickness and relatively thin flexible portions intermediate said pads to facilitate the bending of said strip to conform to said channel, said pads having a foundation weave and relatively heavy strands of textile material caught at spaced points under strands of said weave and extending intermediate said points over two or more transverse strands of said weave so as to provide relatively long loops lying on the surface of said weave to cushion the window glass.

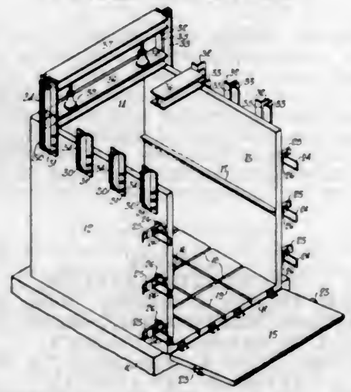
1,985,625
STOKER
Loyd R. Stowe, Shaker Heights, Ohio
Application November 12, 1931, Serial No. 574,559
5 Claims. (Cl. 110—40)

1. In a chain grate stoker, the combination of a frame member, a plurality of endless chains, a clinker grinding means disposed adjacent the ash discharge end of said stoker, a cover plate positioned over said discharge end, downwardly ex-



tending lugs on the end of said cover plate closest to the feed end of the stoker, and fastening means engaging said lugs and securing the latter to the frame of the stoker.

1,985,626
TOBACCO PRESS
Henry P. Taylor, Winston-Salem, N. C.
Application November 6, 1933, Serial No. 696,843
4 Claims. (Cl. 131—11)



1. A press for confining batches of pressed manufactured tobacco comprising a compartment having its base traversed by a plurality of grooves disposed at right angles to each other and dividing the base into a plurality of squares, each square being adapted to support a batch of pressed manufactured tobacco, dividing members disposed in the grooves and separating the batches of tobacco, separate pressure applying means for each row of batches disposed above the compartment for simultaneously applying pressure to all of said batches of tobacco in a row and means for varying the amount of pressure applied to the lower portion of the batches of tobacco with relation to the top portion.

1,985,627
PLATE HOLDING MEANS FOR PRINTING PRESSES
John R. Tomlin, Alexandria, Va., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, temporary trustee
Application July 10, 1931, Serial No. 550,005
Renewed August 27, 1934
15 Claims. (Cl. 101—378)

14. In a printing press, a roll element, a plate element, a socket member on one of the elements, a projecting member on the other element constructed and arranged to interlock with the socket member, one of the members having a yieldably biased component, and means for moving the

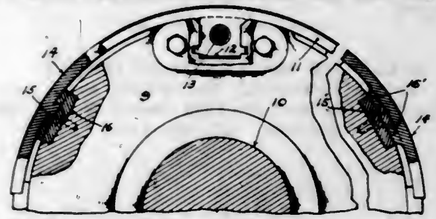
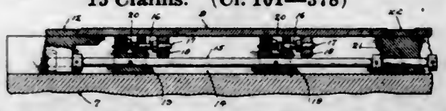


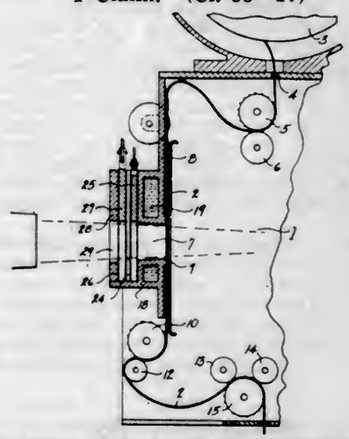
plate element relative to the roll element thereby moving the socket and projecting members into interlocking engagement.

1,985,628
PLATE HOLDING MEANS FOR PRINTING PRESSES
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, temporary trustee
Application July 9, 1931, Serial No. 549,775
15 Claims. (Cl. 101—378)



8. In a printing press, a roll having a recess disposed longitudinally in its periphery, a plate to rest upon said roll, apertured lugs on said plate projecting into said recess, clamp members on said roll to engage with the ends of said plate, travelers in said recess, a pin slidable in each traveler, a spring on each traveler normally holding its pin projected, a screw rod in said roll to operate said clamp members, and a connection between said clamp members and said travelers.

1,985,629
MOTION PICTURE PROJECTING APPARATUS
Ivory H. Crabtree, Toppenish, Wash.
Application February 13, 1931, Serial No. 515,486
1 Claim. (Cl. 88—17)



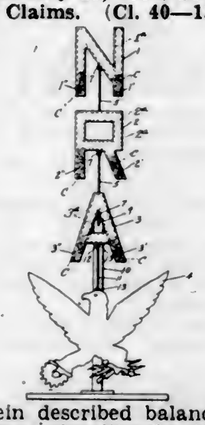
An aperture plate for motion picture machines formed with an aperture across which a film strip may be drawn and having an integral portion at the outside extending from the plate about the aperture formed with a chamber encircling the aperture and provided with openings for connection with pipes for delivery of a cooling liquid into and from the chamber; said exten-

sion portion also being formed at the outside of the chamber with guide slots for containing shutters movable therein from and across the aperture.

1,985,630
BALANCED ADVERTISING DEVICE

Rex G. Craighead, The Dalles, Oreg.

Application January 19, 1934, Serial No. 707,328
7 Claims. (Cl. 40—138)



1. The herein described balanced advertising device, including a plurality of units provided with balancing fulcrums, counter balancing means for maintaining said units substantially upright upon said fulcrums, said units being balanced one upon the other, and the counter balancing means of the lower units being increased to overcome the over-balancing effect of the units thereabove.

1,985,631
METHOD OF MAKING AN ADHESIVE AND THE PRODUCT THEREOF

Glenn Davidson, Charles N. Cone, Irving F. Laucks, and Harry P. Banks, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Continuation of application Serial No. 93,534, March 9, 1926. This application July 18, 1931, Serial No. 551,786
24 Claims. (Cl. 134—23.8)

17. The method of making a glue, suitable for use in uniting plies of material having a relatively high moisture content which comprises preparing an aqueous alkaline dispersion of an oil-seed flour, and lessening the fluidity of the dispersion by the incorporation of a jelling agent and an agent for stabilizing the formed jell against breakdown when heavy pressure is applied, said jelling agent being selected from the group consisting of aldehydes and carbon disulphide.

24. A glue, comprising a watery dispersion of soya bean flour and having its fluidity reduced to a jell by inclusion of a jelling agent and a jell-stabilizing agent, whereby on application to wet wood the glue is not dissipated by the water thereof, said jelling agent being selected from the group consisting of aldehydes and carbon disulphide.

1,985,632
BRINE SOLUTION

Joseph Fleischer, Dayton, Ohio, assignor to Frigidaire Corporation, Dayton, Ohio, a corporation of Delaware

No Drawing. Application November 27, 1931, Serial No. 577,712
6 Claims. (Cl. 252—5)

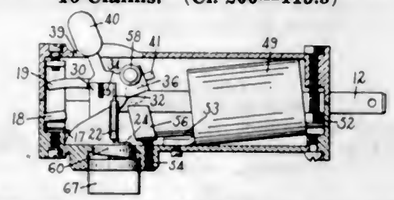
1. A composition of matter comprising an aqueous solution of potassium and barium chlorides in substantially their cryohydrate composition having added thereto a small amount of another salt to permit freezing of most of the solution within a small range of temperatures close to the eutectic temperature while preventing complete solidification until a low temperature has been reached.

4. A composition of matter substantially of the following composition; 15% KCl, 5% $BaCl_2$, 5% NaCl, 75% H_2O when the percentages are given by weight.

1,985,633
ELECTRIC SWITCH

Tomun Finizie, Shrub Oak, N. Y., assignor to The Greist Manufacturing Company, New Haven, Conn.

Application November 19, 1931, Serial No. 576,065
16 Claims. (Cl. 200—115.5)

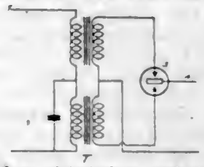


1. Electric switch mechanism comprising a movable contact arm, and a controlling member to effect movement of said arm, an abutment adapted to be thermostatically operated to engage said control member and move said arm to open position, said control member being mounted for adjustment relatively to said abutment to place said abutment either in or out of engagement with the control member when the switch is closed.

1,985,634
REGULATING SYSTEM

Wilfred K. Fleming, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application April 4, 1928, Serial No. 267,402
12 Claims. (Cl. 171—119)



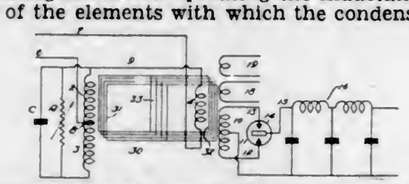
1. A system for obtaining substantially constant output voltage across a constant or varying load from a source of fluctuating input voltage, such system consisting of two transformers whose primaries are connected in series and whose secondaries are connected in series, and a condenser inductively connected to the primary of one of said transformers.

1,985,635
REGULATING SYSTEM

Wilfred K. Fleming, Cambridge, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application April 28, 1928, Serial No. 273,710
Renewed October 19, 1934
8 Claims. (Cl. 171—119)

1. A regulating system comprising a transformer having a primary and secondary, an impedance in series with the primary, said impedance having inductance, and a condenser associated with the impedance, the system thereby providing means for operating the inductance of one of the elements with which the condenser is

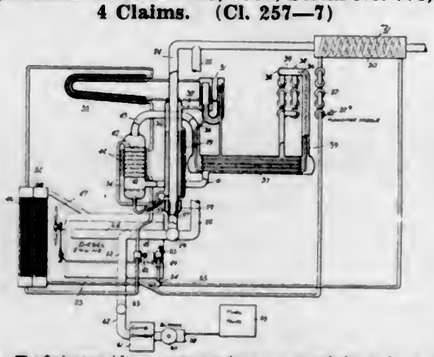


associated so that a small change of voltage results in a great change in the value of the inductance, all the magnetic elements having a common core.

1,985,636
REFRIGERATION SYSTEM FOR VEHICLES

Benjamin S. Foss, Brookline, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application December 19, 1933, Serial No. 703,052
4 Claims. (Cl. 257—7)



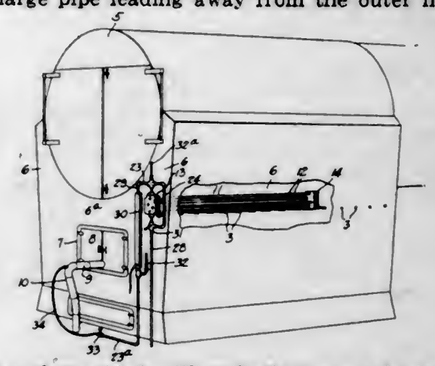
4. Refrigeration apparatus comprising, in combination, an internal combustion engine, a combustion chamber, means for burning a fuel in said chamber to produce flue gases, means for produc ng a refrigerating effect, a heat collecting surface forming a part of said last mentioned means, and means for simultaneously passing the exhaust gases from said engine and flue gases from said chamber in contact with said surface to energize said last mentioned means.

1,985,637
FUEL BURNING APPARATUS

Lanson B. Joyner, Pasadena, Calif., assignor of one-half to Schuyler C. Joyner, Pasadena, Calif.

Application May 29, 1933, Serial No. 673,508
2 Claims. (Cl. 122—32)

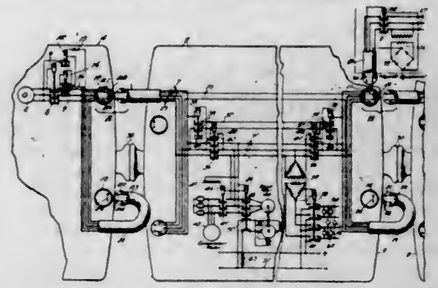
1. The combination, with a boiler structure having a longitudinally extending water leg at one side and a horizontal series of tie rods located in said water leg and extending from one side wall thereof to the other, the said boiler structure having its front wall formed with an opening, the bottom of which is substantially alined with said series of tie rods, of a liquid fuel pre-heating organization including inner and outer headers and fuel circulating tubes connecting the headers with each other and co-operable therewith and with each other to cause fuel when delivered to the outer header to be conducted to the inner header, thence back to the outer header by means of the respective tubes, the inner header being of a size for free passage through the aforesaid opening and adapted to be extended into said water leg and to rest upon said tie rods, the outer header being firmly secured to the front wall of the boiler in a position to wholly cover and seal said opening; and a discharge pipe leading away from the outer header and provided with valved means adapted to be connected with a liquid fuel burner, as and for the purpose set forth.



1,985,638
HEAD-END ELECTRIC POWER SUPPLY FOR TRAINS

Charles Kerr, Jr., Edgewood, Andrew H. Candee, Wilkinsburg, Charles F. King, Jr., Pittsburgh, Edwin L. Harder, Forest Hills, and Allen McLanahan, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

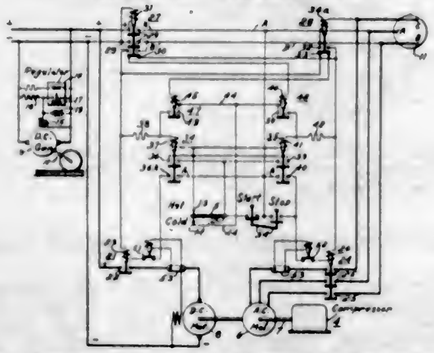
Application March 1, 1933, Serial No. 659,196
12 Claims. (Cl. 171—313)



1. A system of electrical distribution particularly adapted for a multiple-car train having electric service circuits in a plurality of detachable cars, inter-car coupling means for joining said service circuits from one car to another, an electromagnetically actuated switch for connecting at least one of said service circuits to a source of electrical supply, and control-circuit means including a source of control current and a normally closed ring-circuit for putting said switch in condition to be closed when the ring-circuit is closed and for insuring the opening of said switch when the ring-circuit is interrupted, said coupling means providing means for extending said ring-circuit from car to car as said service circuits are joined together, the coupling means for a car including a main receptacle, a dummy receptacle, and a jumper terminating in a plug, at each end of the car, said main receptacle and said jumper having terminals for both said service circuit of the car and said ring-circuit, the service-circuit terminals of said main receptacle and of said plug being in parallel, and the ring-circuit terminals of said main receptacle and of said plug being in series with each other, said dummy receptacle being provided with means for receiving said plug and for short-circuiting the ring-circuit terminals

of the plug, and a lid for the main receptacle having means thereon for short-circuiting the ring-circuit terminals of said receptacle when the lid is closed.

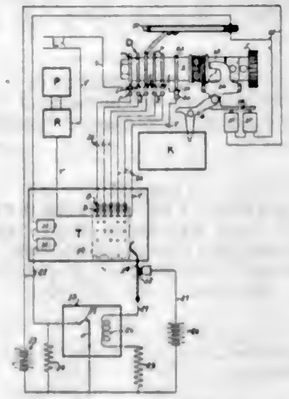
1,985,639
ELECTRIC MOTOR CONTROL FOR REFRIGERATED CARS
Charles F. King, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1932, Serial No. 618,638
13 Claims. (Cl. 172—239)



1. An electric system for a vehicle, comprising a vehicle-driven direct-current generator and a detachable plug connection for alternating-current energy on the vehicle, an automatic switch means for changing an electrical connection when a predetermined extreme condition is reached and for changing another electrical connection when a second predetermined extreme condition is reached, self-starting dynamo-electric machine means having direct-current terminals and alternating-current terminals, a direct-current electromagnetic contactor for connecting said direct-current terminals to said direct-current generator, said direct-current contactor having a direct-current energizing coil, an alternating-current electromagnetic contactor for connecting said alternating-current terminals to said alternating-current plug connection, said alternating-current contactor having an alternating-current energizing-coil, a direct-current control-circuit including means for affording an indication whether said direct-current generator is up to a predetermined voltage, an alternating-current control-circuit including means for affording an indication whether said alternating-current detachable plug connection is completed, means jointly responsive to said means in the direct-current control-circuit and to the first-mentioned extreme-condition switch-change of said automatic switch means for energizing said direct-current energizing coils and holding them energized, means jointly responsive to said means in the alternating-current control-circuit and to said first-mentioned extreme-condition switch-change for energizing said alternating-current energizing coils and holding them energized, and means responsive to the second extreme-condition switch-change of said automatic means for effecting the deenergization of both energizing coils.

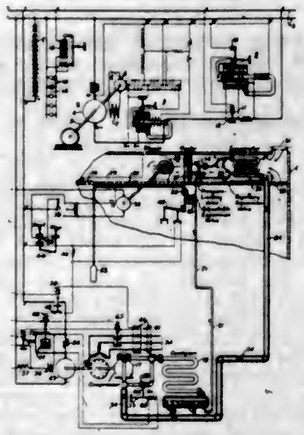
1,985,640
TELEGRAPH TRANSMITTER
Jennings B. Kitchens, Tucson, Ariz.
Application February 27, 1934, Serial No. 713,096
6 Claims. (Cl. 178—17)

1. In a telegraph sending apparatus having a distributor provided with contacts arranged to send impulses over the line and a keyboard for controlling said contacts, said keyboard having a mechanical connection with said distributor for controlling its operation; an electrically operated perforated tape transmitter having contacts adapted to be controlled by the perforations of a tape; electrical connections between said tape contacts and said distributor contacts



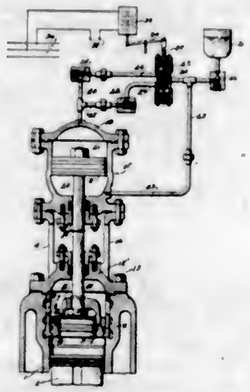
whereby the line impulses are controlled by the tape independently of said keyboard; electric means for controlling the operation of said distributor independently of its mechanical control by said keyboard; a single electrical circuit including the operating means of said tape transmitter and the electrical controlling means for said distributor connected in series; and means for controlling said circuit.

1,985,641
ALTERNATING - CURRENT DIRECT - CURRENT SUPPLY SYSTEM FOR AIR-CONDITIONED CARS
Herman C. Krapf, Wilkinsburg, Charles Kerr, Jr., Edgewood, and Stanley G. Nottage, Murrysville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1932, Serial No. 621,134
8 Claims. (Cl. 171—313)



3. An electrical system for a vehicle comprising a vehicle-driven direct-current generator, a direct-current bus for distributing electric current to a plurality of outlets for general lighting and other utility purposes on said vehicle, a storage battery connected across the direct-current bus, an electro-responsive reverse-current switching device serving to connect the generator to the direct-current bus when the generator has a voltage sufficient to supply current to the bus and serving to disconnect the generator in time to prevent a material reverse-current flow to the generator, a detachable plug connection for supplying externally generated alternating-current energy for the vehicle, a major-load device, and dynamo-electric converter-means connectable simultaneously to the direct-current bus and the alternating-current detachable plug connection for driving said major-load device and operable, when the vehicle is standing still and said detachable plug connection is plugged in to an external alternating-current source, to also supply direct-current power to said direct-current bus.

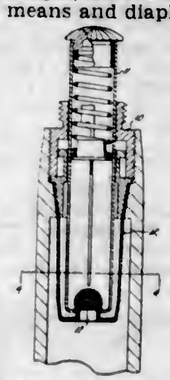
1,985,642
ADJUSTABLE CLEARANCE APPARATUS FOR COMPRESSORS
Lewis Ferry Moody, Princeton, N. J.
Application December 5, 1931, Serial No. 579,325
17 Claims. (Cl. 230—21)



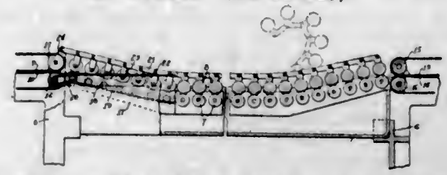
1. In combination, a compressor having a piston and cylinder and discharge valve mechanism therefor, an adjustable piston and cylinder type of clearance device associated with said cylinder whereby the compressor clearance is directly varied in proportion to each increment of adjustment of the clearance piston, and means whereby said clearance piston may be adjusted to different fixed positions by power impulses received directly from the compressor cylinder.

1,985,643
FOUNTAIN PEN
Carl Pfanstiehl, Highland Park, Ill., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application March 16, 1934, Serial No. 715,922
8 Claims. (Cl. 120—47)

1. In a fountain pen employing a pump fill mechanism, a vacuum pump, means for affixing and supporting said pump in a fountain pen barrel, a reciprocable plunger, a diaphragm, one end of which is fixed to the barrel and the other end to the plunger, an aperture in the lower end of said plunger in which the closed end of the diaphragm is adapted to be inserted, expansible means adapted to be forced through the aperture in the lower end of the plunger into the inserted end of the diaphragm, the resulting expansion of the expansible means and diaphragm end effecting a lock between the said plunger and diaphragm.

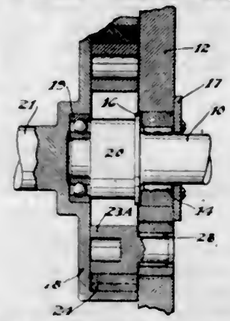


1,985,644
MACHINE FOR COATING ARTICLES WITH PARAFFIN OR THE LIKE
Arthur R. Pollock, Toledo, Ohio, assignor to The Toledo Bottle Cap Company, Toledo, Ohio, a corporation of Ohio
Application April 24, 1933, Serial No. 667,582
11 Claims. (Cl. 91—46)



1. In a machine of the class described, a lower series of rolls, fixed members in which said rolls are journalled, an upper series of rolls, a mat in which said upper rolls are journalled, and means for anchoring said mat at one end only, whereby the other end of the mat may be raised to release any articles which become stuck or lodged between the rolls.

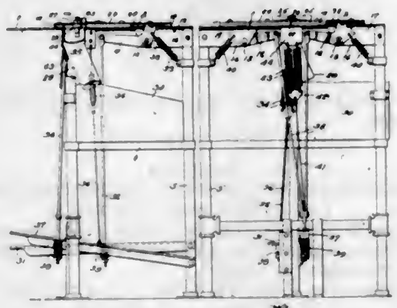
1,985,645
DRIVING MECHANISM
Adolph Rosner, Rockton, Ill., assignor to Bendix Research Corporation, South Bend, Ind., a corporation of Indiana
Application May 5, 1931, Serial No. 535,176
3 Claims. (Cl. 74—206)



1. A roller transmission gear comprising driving and driven shafts, friction means connecting the shafts including a series of rollers arranged to have their overall dimensions define an ellipse, a normally circular resilient metallic member

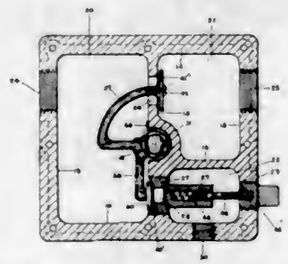
surrounding said rollers and distorted thereby into a corresponding ellipse, said member having a splined connection with one shaft including projections having parallel sides mating with corresponding grooves having parallel sides, and said splined connection being adapted to permit radial movement of a portion of the metallic member relative to the shaft.

1,985,646
METALLIC CLIP FORMING MACHINE
Charl Sjögren, Wessington Springs, S. Dak.
Application December 9, 1933, Serial No. 701,697
2 Claims. (Cl. 153—34)



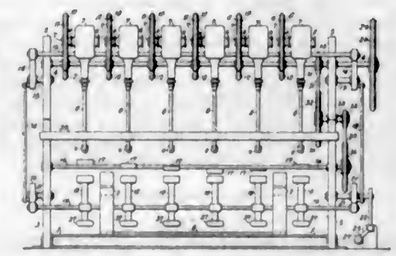
1. In a metallic clip forming machine, a frame, a table on the frame, an anvil on the table, said table having slots formed therein, angle bars secured to the table and arranged in parallel spaced relation with each other at opposite sides of the slots, cover plates secured to the angle bars and providing guideways, one of the cover plates having a cut out portion providing an entrance to the space between the angle bars, whereby blanks to be formed into clips may be inserted in the guideways at a point adjacent to the anvil, dies movable between the angle bars and having curved portions adapted to cooperate with the anvil in bending a blank, and means for operating the dies.

1,985,647
DRAIN TRAP PRIMING DEVICE
William B. Smith, Washington, D. C.
Application September 13, 1933, Serial No. 689,327
21 Claims. (Cl. 182—12)



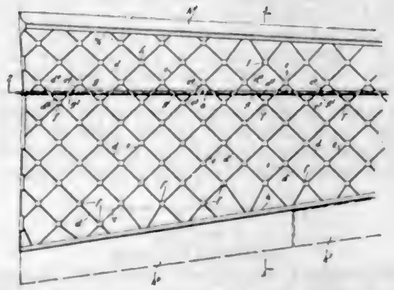
1. A drain trap priming device comprising a body having a flow passage therethrough and a supply passage for a drain trap connection, a movable valve member normally closing said supply passage, a vane positioned to be moved upon flow through said flow passage, and a pivoted element for transmitting such movement of said vane to said valve member to move the latter and open said supply passage.

1,985,648
APPARATUS FOR POLISHING EXPLOSION ENGINE VALVES
Juan Fernandez Triana, Habana, Cuba, assignor of one-half to Antonio Eloy Novoa, Marianao, Habana, Cuba
Refiled for abandoned application Serial No. 527,595, April 3, 1931. This application September 15, 1934, Serial No. 744,244
4 Claims. (Cl. 51—29)



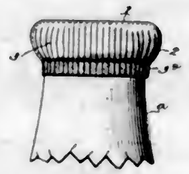
1. An apparatus for polishing explosion engine valves, comprising a supporting framework, a bench on the frame work adapted to support the valve carrying cover of an engine, uprights on the framework, a driven horizontal shaft and a horizontal pivot-shaft parallel to the former shaft, both shafts being mounted on the upper portion of the uprights, a series of polishing mechanisms oscillatably mounted on said pivot-shaft, means for individually operating each of said polishing mechanisms from said driven shaft, a cam shaft rotatably mounted on the lower portion of the uprights, and cam levers oscillatably mounted and adapted to individually receive on their free ends the ends of the valve stems.

1,985,649
CONSTRUCTION OF WINGS FOR AIRCRAFT
Barnes Neville Wallis, Weybridge, England, assignor to Vickers (Aviation) Limited, Weybridge, England
Application December 12, 1933, Serial No. 702,064
In Great Britain December 22, 1932
12 Claims. (Cl. 244—31)



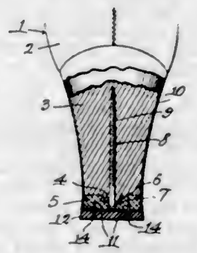
1. An aircraft wing structure having at each upper and lower surface two series of bracing members shaped to correspond with the contour of the wing having a greater depth than breadth and having their depth normal to the contour at all points, said bracing members being formed with their neutral axes in geodetic lines and being so arranged that the bracing members in one series intersect the bracing members in the other; means for securing the bracing members to each other where they intersect, booms intersecting said bracing members, and means for securing the bracing members to said booms.

1,985,650
HOOD CAP FOR BOTTLES AND THE LIKE
Wilbur L. Wright, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application August 3, 1925, Serial No. 47,975
2 Claims. (Cl. 215—38)



1. A single-thickness sheet-paper material hood cap disk, at least the annular hood-cap-securing skirt portion of which carries a high melting point skirt-stiffening binder that is sufficiently adhesive on glass to be normally glass fouling when in a substantially fused state, said binder constituting an impregnum located wholly within the single-thickness paper, whereby said skirt carrying said internal binder will strip or peel from glass surfaces without fouling the same.

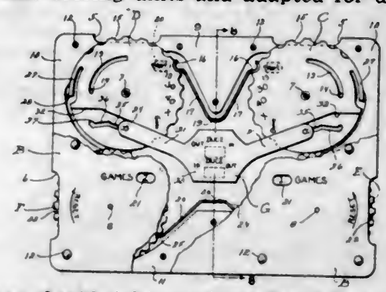
1,985,651
SHOE HEEL
Agostino Branca, Harrisburg, Pa.
Application June 1, 1933, Serial No. 673,907
1 Claim. (Cl. 36—34)



In a device of the class described, a wooden shoe heel provided on its lower surface with a downwardly extended rib prolonged from the front of the heel to the back thereof, a fibre base having a correspondingly shaped groove receiving the rib and extended across the base from the front of the base to the back thereof, means for attaching the base to the heel, a covering surrounding the heel, and having its lower end extended inwardly upon the lower surface of the base, a lift engaging the inwardly extended end of the covering, and securing elements extended through the lift and into the base, the securing elements terminating short of the heel.

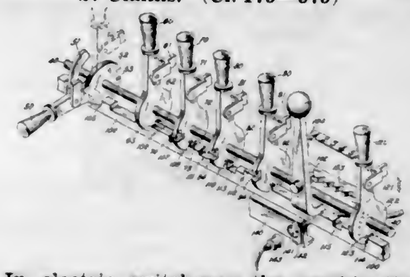
1,985,652
TENNIS SCORING DEVICE
Harry P. Campbell, Clayton, N. J.
Application March 18, 1933, Serial No. 661,621
15 Claims. (Cl. 235—114)

1. A tennis scoring device comprising a face plate provided with sight openings, point scoring units movably mounted at one side of the face plate and having scoring indicia thereon for display at certain of said sight openings, and an indicator operatively connected for actuation by the point scoring units and having scoring indicia thereon for co-acting with the indicia on the point scoring units and adapted for display



at other of said sight openings after a tie in scoring is attained.

1,985 653
ELECTRIC SWITCH GEAR
John Christie and Alfred Donkin, Sunderland, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application October 27, 1932, Serial No. 639,925
In Great Britain November 7, 1931
27 Claims. (Cl. 175—375)

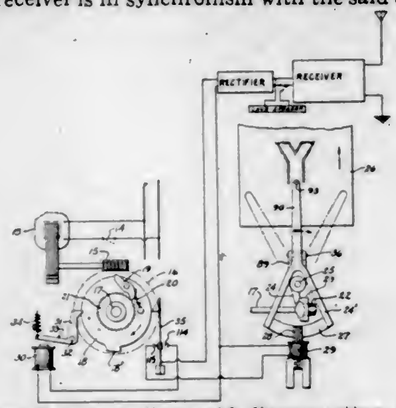


1. In electric switchgear the combination of a group of switches associated with one another, independently operable actuating levers respectively controlling the switches each lever having an operative and an inoperative position, a selector bar longitudinally movable into any of a number of positions, and cooperating slots and projections on the selector bar and the actuating levers for permitting in each position of the bar only such lever actuation as will not cause conflicting switching conditions to be set up and for preventing movement of the selector bar to any position unless the actuating levers are in positions appropriate to such movement, the arrangement being such that at least one of the changes of position of the selector bar can be effected while one of the actuating levers is in its operative position and another actuating lever in its inoperative position.

1,985,654
IMAGE BROADCASTING SYSTEM
William G. H. Finch, New York, N. Y.
Application March 26, 1934, Serial No. 717,304
25 Claims. (Cl. 178—5)

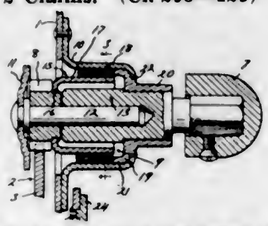
24. A facsimile system having a transmitter, a receiver, a facsimile signalling channel connecting said transmitter and receiver, a motor drive for said transmitter, a motor drive for said receiver, a positive drive connection means between said receiver motor drive and said receiver, means for disconnecting said positive drive connection from between said receiver motor drive and said receiver for rendering said receiver

inoperative, and means operative in the event the receiver is in synchronism with the said trans-



mitter for preventing said disconnecting means from operating.

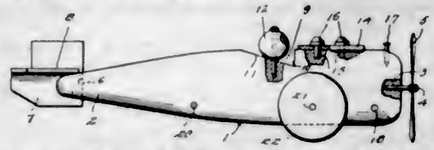
1,985,655
WINDOW REGULATOR
Burton S. Floraday, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a corporation of Ohio
Application January 25, 1932, Serial No. 588,765
2 Claims. (Cl. 268—126)



2. In a window regulator having a mounting plate, a lifter element mounted on said plate, and clutch mechanism comprising a coil spring and a handle shaft for actuating said lifter element, and a sleeve forming a bearing for the shaft, a stop surface on the inner end of said sleeve for holding the shaft against longitudinal movement, a flanged inner end on said sleeve abutting said spring, a sheet metal housing for said clutch mechanism having an end rolled over said flange and secured thereto, and means for securing said housing to said mounting plate.

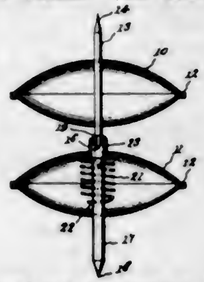
1,985,656
CONVERTIBLE TOY
Lawrence D. Goodspeed, Wilton, Maine
Application January 9, 1932, Serial No. 585,779
1 Claim. (Cl. 46—48)

A toy of the character described, comprising an elongated body formed solid throughout, vertical and horizontal rudders carried by the body at one end, a propeller rotatably mounted on the body at the other end, wings carried by and extending laterally from the body adjacent the propeller end, the body immediately rearwardly of the wings having a transverse area cut away forming a vertical and a forwardly and downwardly inclined wall, a spherical body mounted upon said inclined wall and extending above the plane of said wings, said body being designed to simulate a head, a pointed securing element passing through the spherical body into the inclined surface on which it rests, said elongated body having a plurality of passages formed transversely therethrough and parallelling said wings, said passages being spaced longitudinally of the body and located in a plane below the longitudinal center thereof an axle removably extended through one of said passages, and a wheel remov-



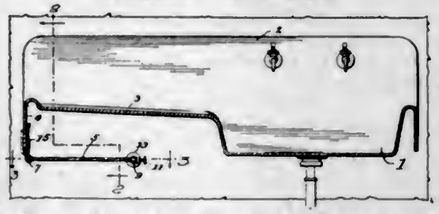
ably mounted upon each end of said axle, said axle being adapted for extension through any one of said passages to vary the location of the wheels.

1,985,657
SPRING OPERATED MECHANICAL TOY
Franklin J. Gustine, New Orleans, La.
Application April 27, 1934, Serial No. 722,757
1 Claim. (Cl. 46—32)



A mechanical toy comprising a pair of hollow tops, a fixed spindle carried by one top with a laterally projecting pin spaced from the lower end of the spindle and said spindle being provided with reduced opposite ends, an axially movable spindle carried in the other top, said movable spindle being hollow to receive the lower end of the fixed spindle, said second spindle having a connecting shoulder in its upper end for receiving said pin for turning the spindles together when the fixed spindle is rotated in one direction, a locking sleeve carried by the second top about the spindle thereof and having a locking shoulder to receive said pin thereagainst when turned to register therewith, and a helical contractile wire spring disposed within the second top and connected at its lower end to said movable spindle and connected at its upper end to the under side of the upper portion of the second top, said spring being movable from an expanded position within the upper and lower portions of the top to a position of rest entirely within the upper portion of the top.

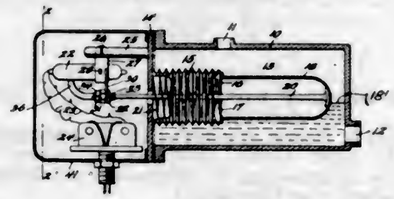
1,985,658
SHELF FOR SINKS
Arthur C. Heise and Millard W. Jacobi, Baltimore, Md.
Application May 17, 1934, Serial No. 726,184
9 Claims. (Cl. 4—187)



1. In combination with a sink having a drain board and a skirt extending along the front and

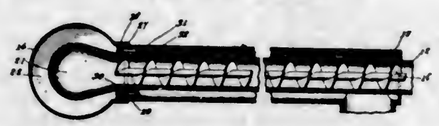
outer end of the drain board, a shelf beneath the drain board, means pivotally mounting said shelf for swinging movement into and out of a horizontal position for use, and means for holding the shelf in its horizontal position.

1,985,659
CONTROL DEVICE
William L. Hickstein, Irvington, and Edwin C. Loesser, Glen Ridge, N. J.
Application December 12, 1930, Serial No. 501,983
26 Claims. (Cl. 200—84)



1. A device operated by changes in water level and pressure, comprising a float, a pressure responsive element secured to said float, means actuated by the float in response to changes in liquid level, said means so connected to the pressure responsive element as to be actuated thereby independently of the liquid level changes.

1,985,660
AUTOMATIC STOKER
James E. Imrie and William Walter Hudson, Salt Lake City, Utah
Application April 22, 1931, Serial No. 532,054
1 Claim. (Cl. 110—45)

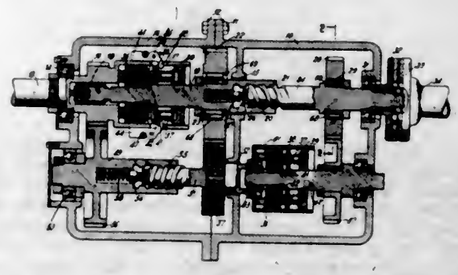


In an automatic stoker for furnaces, a retort structure comprising a base member and tuyère block disposed in the furnace, said base member and said block each having an inner fuel compartment and an outer air jacket surrounding the same, said air jacket and fuel compartment of the base member being provided with cylindric coaxial intake flanges, a fuel pipe having its end inserted in the intake flange of the fuel compartment, outstanding lugs carried by said fuel pipe, spacing members engaging the fuel compartment and the air jacket of the base member, securing means engaging said lugs and said spacing members for detachably securing said fuel pipe to the base member, and an air pipe having its end inserted in the flange of the air jacket.

1,985,661
PROCESS FOR DRENCHING HIDES
Hans Kögl, Chemnitz, Germany, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Saxony, Germany
No Drawing. Application March 7, 1932, Serial No. 597,413. In Germany March 11, 1931
1 Claim. (Cl. 149—3)

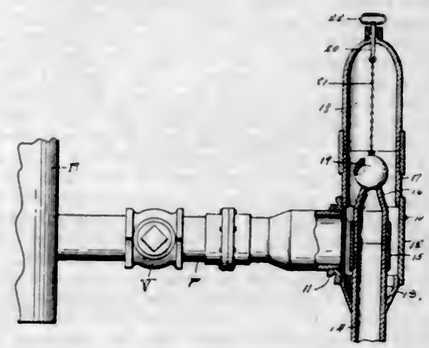
A process of treating hides which comprises drenching the hides with a ferment preparation obtained principally from the pylorus attachments of fish.

1,985,662
TRANSMISSION
Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 20, 1931, Serial No. 569,990
14 Claims. (Cl. 74—336)



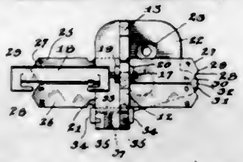
9. A power transmission mechanism comprising a driving shaft, a gear thereon, a driven shaft aligned therewith, a gear having an overrunning clutch on the driven shaft, a counter shaft having gears thereon meshing with each of said first mentioned gears, a centrifugal friction clutch connecting said driving and driven shafts, said clutch being arranged between said driving shaft and driven shaft gears, and means for disengaging and engaging said clutch in accordance with the load upon the driven shaft.

1,985,663
AUTOMATIC CUT-OFF FOR FLUID LINES
Charley Lowery, Oklahoma City, Okla.
Application August 8, 1933, Serial No. 684,265
3 Claims. (Cl. 137—68)



3. An automatic cut-off as set forth, comprising a housing having an intake port and an outlet port, a pipe extending into the housing, a valve seat secured to said pipe, a sleeve secured to the housing and extending upwardly from the seat, a cap secured to said sleeve, a gravity operated valve member in said housing, said valve member being of buoyant construction whereby it will float on the liquid within said housing and said cap when the liquid level within the housing is normal, a rod slidably carried by the cap, a flexible member secured at one end to said rod and at the other end to said valve, and a handle secured to the opposite end of said rod and disposed exteriorly of the cap whereby said valve member may be manually removed from said valve seat.

1,985,664
THREAD CLEANER
Willard T. Munson, Dunmore, Pa., assignor to Henry E. Collins and Albert B. Collins, both of Scranton, Pa., copartners doing business as Collins Supply & Equipment Co.
Application April 27, 1933, Serial No. 668,278
7 Claims. (Cl. 28—70)



1. An improved thread cleaner comprising a bracket having an opening therein and slots adjacent the opening, blades having ground surfaces removably and reversibly mounted in the opening in said bracket, a pressure plate engaging the ground edge of one blade and having claws for engaging movably in said slots, and means for engaging the pressure plate to force same against the engaged blade.

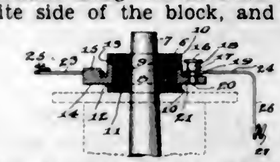
1,985,665
TENSION DEVICE
Willard T. Munson, Dunmore, Pa., assignor to Henry E. Collins and Albert B. Collins, both of Scranton, Pa., copartners, doing business as Collins Supply & Equipment Co.
Application July 15, 1933, Serial No. 680,614
5 Claims. (Cl. 242—150)



1. In a device of the character described, a head having a thread receiving guide slot in one end and having a pin socket offset laterally from the slot and a counter-sink about the socket and a through opening at one side in the counter-sink, a pin in said socket, a disc carried by the pin and seated in the counter-sink and having its marginal edge projecting into the inner end of said guide slot and having spaced grooves in said marginal edge adapted to register one at a time with the slot by adjustment of the disc in the counter-sink, a key on the head projecting into the counter-sink and engaging a second groove in the disc to hold the latter when adjusted, said disc also having an opening therethrough for each groove adapted to register with the opening through the head when the respective groove is in register with the guide slot, the disc further having a depression about the pin leading into said openings of the disc, and a gravity disc rotatably mounted on the pin above the first disc to bear against a thread passing between the discs.

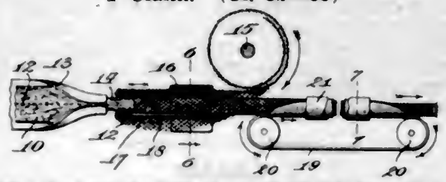
1,985,666
FLYER
Willard T. Munson, Dunmore, Pa., assignor to Henry E. Collins and Albert B. Collins, both of Scranton, Pa., copartners, doing business under name and style of Collins Supply & Equipment Co.
Application February 21, 1934, Serial No. 712,394
7 Claims. (Cl. 117—23)

3. An improved flyer comprising a block, wires carried by the block, a metallic bush having an outstanding flange at one end for engaging against the block at one side and having a cylindrical portion for extending through the block, a detachable metallic flange for the bush engaging at the opposite side of the block, and a resilient



bushing having outwardly extending flanges at its ends for being forced through the bushing and said detachable flange, said resilient bushing having an opening to receive the spindle.

1,985,667
ABSORBENT ROLL AND METHOD OF PRODUCING SAME
Emanuel R. Nelson, Glendale, and Nat Thompson, Eagle Rock, Calif., assignors, by direct and mesne assignments, to Johnson and Johnson, a corporation of New Jersey
Application June 17, 1932, Serial No. 617,746
1 Claim. (Cl. 32—33)



The herein described method of forming an absorbent roll, consisting in delivering a sheet of fabric from a source of supply, shaping such sheet into a tubular form while the sheet is moving in one direction, reversing the direction of travel of the tubular form to turn the same inside out, forming a roll of absorbent material immediately adjacent the point of reversal of the tubular form with the diameter of the roll approximating the diameter of the reversed tubular form, delivering the roll into the reversed form, and subjecting the combined roll and form to a compressive shaping and feeding pressure, to compress the completed article in desired shape.

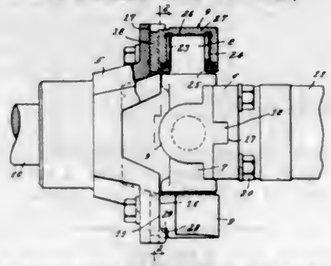
1,985,668
GLARE SHIELD
Joseph L. Peavey, Meridian, Miss.
Application September 6, 1933, Serial No. 688,371
2 Claims. (Cl. 2—12)



1. In a glare shield, means for supporting the glare shield across the line of vision, said means

comprising a cord, couplings of flexible material at the ends of the cord, and means to turnably attach the couplings to the sides of the shield.

1,985,669
UNIVERSAL JOINT
Carl E. Swenson, Rockford, Ill.
Original application June 6, 1932, Serial No. 615,496. Divided and this application January 12, 1933, Serial No. 651,265
16 Claims. (Cl. 64—102)



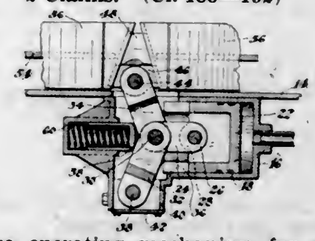
1. In a universal joint assembly, a pair of yoke members, an intermediate trunnion member having the ends of the trunnions thereof formed to provide end thrust bearing surfaces, bearings for the trunnions of the last mentioned member comprising cup-shaped blocks arranged to be fastened to said yoke members, the yoke members each having a diametrical slot provided thereon, radial lugs provided on the blocks and fitting in the slots, each interfitting slot and lug providing a torque transmitting connection whereby to relieve the bearing fastenings of the load incident to transmission of torque through the intermediate member from the one yoke to the other, each bearing block having an end thrust bearing surface provided on the inside of the end wall thereof for abutment with the end of the trunnion received in the block, the lugs being shiftable radially in the slots to bring the end thrust bearing surfaces in a predetermined spaced relation to the ends of said trunnions, abutting arcuate thrust transmitting surfaces on the blocks and yoke members struck on arcs with their centers coinciding with the radial lugs, for positively limiting outward radial movement of the blocks relative to the yoke members whereby to provide a predetermined clearance at the end thrust bearing surfaces, and means for fastening said blocks in their operative positions to said yoke members.

1,985,670
RIPE FRUIT CORRUGATED PACKING TRAY
George Sykes, Los Angeles, Calif.
Application June 16, 1934, Serial No. 730,954
11 Claims. (Cl. 217—26)



1. A ripe fruit packing tray, comprising a base member of paper or cardboard bent to form a plurality of parallel corrugations, an upper member of flexible material detachably secured to the base member and a plurality of rows of pockets formed in said upper member, which rows are disposed above the respective channels in the lower corrugated member with the members of each row of pockets staggered with respect to the members of the adjacent rows so that the centers of any adjacent three of said pockets define a substantially equilateral triangle.

1,985,671
BRAKE
Eugene V. Taylor, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application December 8, 1928, Serial No. 324,759
2 Claims. (Cl. 188—152)



1. Brake operating mechanism for a vehicle wheel brake of the internal expanding type having spaced apart ends, comprising, in combination, wedge means for spreading apart said spaced ends of the brake, a fluid operated piston and a toggle actuated thereby, one of the links of which is constructed and arranged to actuate said wedge means.

1,985,672
BRAKE
Eugene V. Taylor, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application January 18, 1930, Serial No. 421,641
16 Claims. (Cl. 188—78)

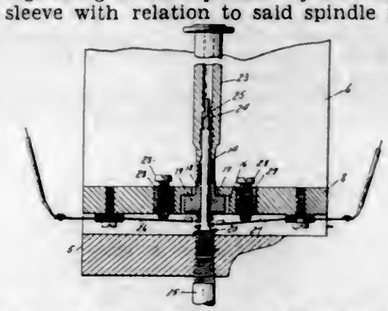


1. A brake comprising a rotatable drum, a substantially circular shaped friction device having separable ends, means for expanding said device into drum contact comprising a plurality of interconnected toggles, at least two of said toggles movable in the plane of the brake.

1,985,673
VALVE STEM TESTING APPARATUS
Leland R. Adams, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Application May 16, 1930, Serial No. 453,065
6 Claims. (Cl. 33—174)

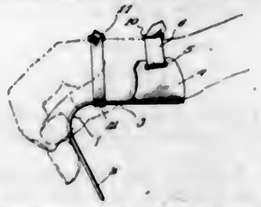
1. Apparatus for testing the depth of foot seats in valve stems comprising a hollow spindle adapted to be inserted into the bore of the valve stem to be tested, means through which fluid under pressure may be introduced into said spindle, a shoulder on said spindle cooperating with the foot seat of the valve stem to be tested to limit movement of the valve stem on the spindle, a sleeve slidable on said spindle, means yieldably positioning said sleeve on said spindle.

and signalling means operable by movement of the sleeve with relation to said spindle for in-



dicating high and low limits of the depth of the foot seat in the valve stem tested.

1,985,674
WEEDER
John L. F. Bauer, Crookston, Minn.
Application August 21, 1933, Serial No. 686,144
3 Claims. (Cl. 97—63)



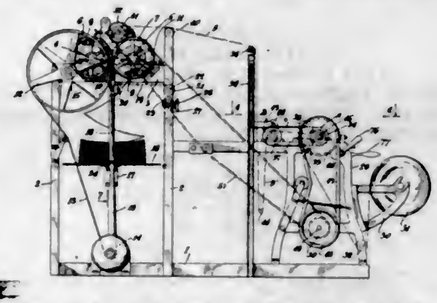
2. A weeder comprisng a plate having its ends disposed at an acute angle and having its medial portion formed into a curved bend whereby said plate will fit the hand of a user with the fingers crooked around the bend and bearing against one end portion thereof, said last mentioned end portion extending downwardly from the hand and constituting a blade, said blade terminating in a transverse hoeing edge, the other end portion of said plate being of such shape and width as to underlie the palm of the hand and means for securing said palm-engaging portion to the back of said hand.

1,985,675
PRINTED LEATHER
Peter A. Blatz, Westover Hills, Del.
No Drawing. Application January 27, 1932, Serial No. 589,315
3 Claims. (Cl. 91—67.9)

1. The method of making printed leather which comprises completely tanning a skin to produce leather, apply a liquid cellulosic color-holding base to the entire surface of the tanned skin, printing a design upon such cellulosic base with a pigment carried in a casein medium, drying such printed surface, applying a thin coating of a cellulosic material over the printed surface, drying such cellulosic coating and thereafter finishing the surface of the skin by a glazing operation.

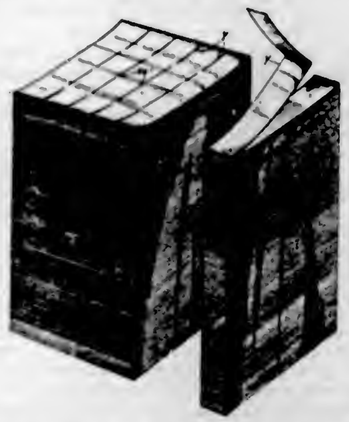
1,985,676
METHOD OF AND MACHINE FOR SLITTING AND STACKING FOLDED PLIES OF PAPER WEB
Leslie T. Hand, Brooklyn, N. Y.
Application January 28, 1933, Serial No. 654,000
Renewed September 11, 1934
5 Claims. (Cl. 270—73)

1. The method of producing a stack of folded paper web which consists in passing the web from its source to a receiving table, non-separatingly slitting the web into tape widths in its passage, indenting the web to create folds



therein, and causing the folded plies to fall successively upon the table to form a stack of continuous web of interconnected tapes.

1,985,677
SUPERFOLDED PAPER TAPE
Leslie T. Hand, Brooklyn, N. Y.
Original application January 28, 1933, Serial No. 654,000. Divided and this application December 8, 1933, Serial No. 701,463
2 Claims. (Cl. 281—5)

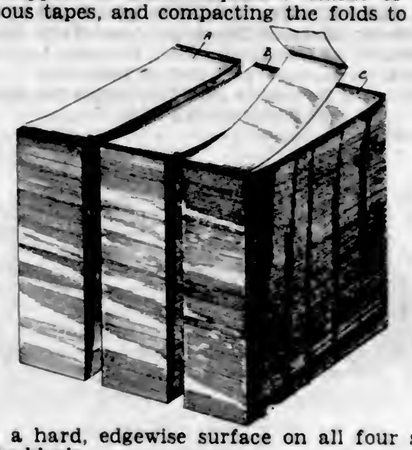


1. The method of producing stacks of folded paper tape from a web of paper which consists in partially slitting the web into tape widths during passage from a web source to a receiving support, guiding the web in its passage, indenting said web to create folds therein, causing the folded plies to fall successively upon the support to form a stack of partially slit continuous web, and compacting the folds to provide a hard, edgewise surface on all four sides of the stack.

1,985,678
SUPERFOLD PAPER TAPE
Leslie T. Hand, Brooklyn, N. Y.
Application April 28, 1934, Serial No. 722,854
2 Claims. (Cl. 281—5)

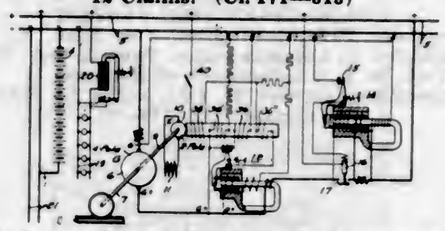
1. The method of producing stacks of folded paper tape from a web of paper which consists in slitting the web into tape widths during passage from a web source to a receiving support, guiding the separated tapes in their passage, indenting said tapes to create folds therein, causing the folded plies to fall successively upon

the support to form respective stacks of continuous tapes, and compacting the folds to pro-



vide a hard, edgewise surface on all four sides of the block.

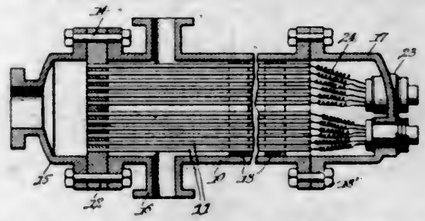
1,985,679
AXLE GENERATOR WITH EXCITER
Charles F. Jenkins, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1932, Serial No. 621,161
12 Claims. (Cl. 171—313)



1. In a railway vehicle, the combination with an axle-driven, direct-current generator, of an axle-driven exciter therefor, said exciter having its main field windings energized at all times from the generator armature, the exciter main-field-winding connection to the generator armature being unaffected by the direction of rotation, and means for causing the exciter field flux to build up always with the same polarity of excitation regardless of the direction of rotation, said means comprising a magnetizable field frame of the exciter composed of a material having a higher remanence than the magnetizable field frame of the generator, said means further comprising an exciter construction having only two poles and a generator construction having more than two poles, and said means still further comprising a small-current teaser coil on the exciter field frame and a battery for constantly energizing said teaser coil so as to provide an excitation only large enough to positively insure that the exciter will build up with the proper direction of excitation regardless of the direction of rotation.

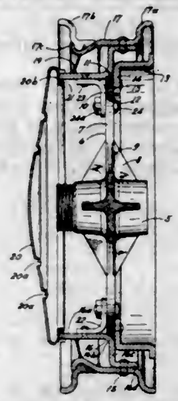
1,985,680
PROCESS AND APPARATUS FOR TREATING HYDROCARBONS
Dwight B. Mapes, Lincoln, Nebr., assignor to Frankforter Oil Process, Inc., Omaha, Nebr., a corporation of Nebraska
Application July 2, 1931, Serial No. 548,453
9 Claims. (Cl. 196—121)

1. An apparatus of the class described comprising a chamber, a reversely directed substantially continuous fluid passageway therein, said passageway comprising a multiplicity of closely spaced thin walled tubes longitudinally disposed with respect to and substantially filling said chamber providing one leg of said passageway, said tubes being spaced from the wall of the chamber and from each other to provide another leg of the passageway communicating with the first leg at one end to form a reversely directed continuous fluid path, an inlet and an outlet communicating with the passageway, and means for heating the tubes comprising an electrical circuit in which said tubes constitute a resistance element, whereby fluid propelled through said passageway will traverse a continuous reversely directed path in contact with both heated surfaces of the tubes.



6. The process of cracking hydrocarbon gases or vapors which comprises simultaneously passing the gases counter-currently over the outer surface of and through a multiplicity of spaced small diameter electrically heated tubes, and maintaining the outlet temperature of the gases constant by controlling the electric heat input to the tubes.

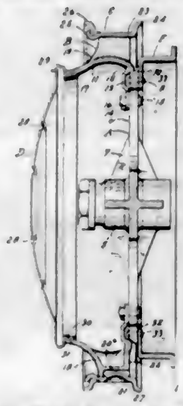
1,985,681
AUTOMOBILE WHEEL
Richard B. Miller, Cleveland, Ohio
Application May 15, 1931, Serial No. 537,570
8 Claims. (Cl. 301—6)



8. A wheel for motor vehicles comprising: a central member having a hub and a wheel supporting nave wall of open spider-like construction which extends substantially radially from the hub for the greater area of the wheel diameter; and a demountable assembly comprising a tire rim, a transversely-extended radially-offset rim-supporting and mounting member seated on the periphery of said nave wall and having its periphery fixed to the base of the rim, a series of short wire spokes joined to the base of said rim and the periphery of said rim-supporting and mounting member and serving as a decorative and an auxiliary fastening means, means for demountably securing said latter member to said nave wall, and a shell member detachably associated with

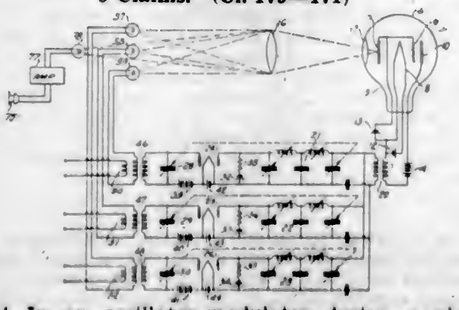
the outboard edge of said rim-supporting and mounting member to complete the contour of the wheel and protect the nave area thereof.

1,985,682
MOTOR VEHICLE WHEEL
Richard B. Miller, Cleveland, Ohio
Application May 15, 1931, Serial No. 537,571
6 Claims. (Cl. 301—6)



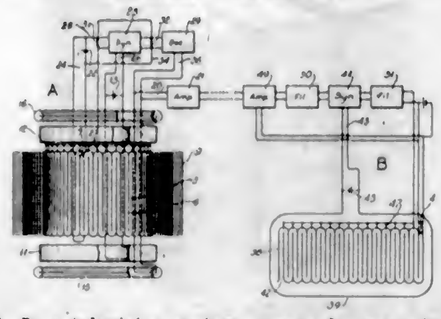
1. In a metal wheel for motor vehicles, a hub barrel having cast integrally therewith a series of ribs which extend radially therefrom and terminate in an annular radial spider-supporting flange, a cast metal spider member formed with short spokes and a transversely-extended wall at the base of the spokes, the inboard side of said wall being formed with a radially-inwardly extending flange contoured to conform to the periphery of said spider-supporting flange and terminating in a series of mounting lugs in transverse alignment with the ends of said ribs, and means for securing said lugs to said ribs at the base of the supporting wall.

1,985,683
PHOTO-OSCILLATOR-MODULATOR SYSTEM
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application October 17, 1930, Serial No. 489,348
9 Claims. (Cl. 179—171)



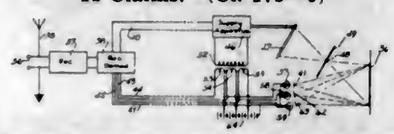
4. In an oscillator-modulator device, a plurality of light sources, a light sensitive device actuated by said light sources, a circuit interconnecting one of said light sources and said device for energizing said one light source, means in said circuit for delaying the transmission therethrough of said energizing currents, a definite time interval after the actuation of said device, to produce a continuous oscillating current, and signalling means for energizing said second light source at a different frequency from said oscillating current.

1,985,684
PANORAMIC TELEVISION SYSTEM
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application December 30, 1930, Serial No. 505,529
17 Claims. (Cl. 178—6)



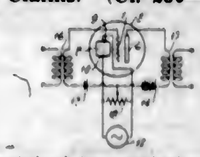
1. In a television system, means for scanning a stationary field of view through an angle of 360°, said means comprising means for producing an electrodynamic light source, means for transforming light variations of unit sections of said area into electrical currents corresponding thereto, a receiving screen, and means for reproducing said scanned area on said receiving screen.

1,985,685
COLOR TELEVISION SYSTEM
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application February 11, 1931, Serial No. 514,926
11 Claims. (Cl. 178—6)



1. In an electro-optical transmission system, an exploring ray of light, means for detecting different colors of unit areas of an object, means for transmitting said light characterizations to a receiving point, means for producing an image of an object at said receiving point, and means at said receiving point for flooding an instantaneous field of view with colored light corresponding to the unit area scanned.

1,985,686
ELECTRICAL REPEATER CIRCUIT
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application March 22, 1932, Serial No. 600,439
8 Claims. (Cl. 250—20)



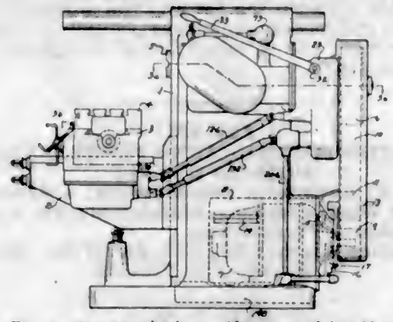
1. In an electrical transmission system, an input circuit, an output circuit, a piezoelectric ionization element, a control electrode connected to said input circuit, an anode connected to said output circuit, a plurality of electrodes for said element connected to an alternating current source, and means for connecting said plurality of electrodes to a common point on said input and output circuits.

1,985,687
OILING AND DRESSING FIBERS
Joseph Nuesslein and Heinrich Ulrich, Ludwigshafen - on - the - Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 13, 1930, Serial No. 495,417. In Germany November 18, 1929
21 Claims. (Cl. 19—66)

1. As new articles of manufacture fibers having a coating of an amide of a hydroxy ethyl amine with oleic acid.

2. The process of oiling and dressing fibers, which comprises treating fibers with a non-colouring condensation product of an alkylol amine with an aliphatic carboxylic acid containing at least 7 carbon atoms, said condensation product being selected from the class consisting of amides, esters, ester amides and salts of amides, esters and ester amides.

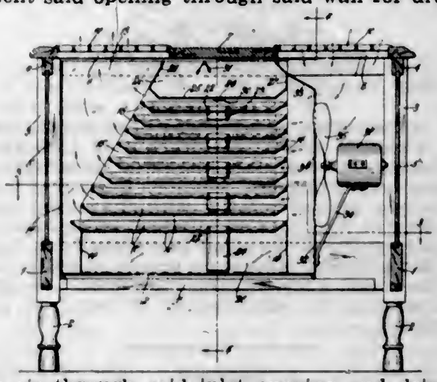
1,985,688
MACHINE TOOL
Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation
Application November 26, 1930, Serial No. 498,288
2 Claims. (Cl. 90—18)



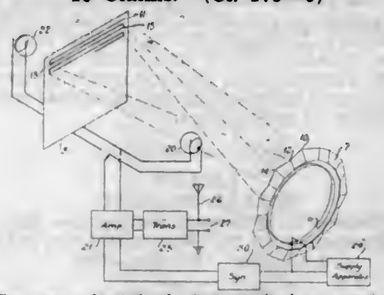
1. In a transmission, the combination of a driven member and a power source, means including a variable displacement fluid pump driven from said power source and a variable displacement rotary fluid motor connected for driving said member, passages adapted to conduct fluid between said pump and motor, a device for adjusting said pump for varying the rate of travel of said member, a device for adjusting said motor for varying the displacement thereof and operable independently of said pump adjusting device, and indicating means in part responsive to the adjustment of one of said devices and in part responsive to the adjustment of the other device and adapted to indicate the rate of movement of said member to result from such adjustment.

1,985,689
HUMIDIFIER
Lawrence M. Persons, Clayton, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application March 6, 1931, Serial No. 520,521
13 Claims. (Cl. 261—30)

1. A humidifier comprising a cabinet having an air inlet passage through the top near one end and an air outlet passage through the top near the opposite end, a vertical series of vertically spaced water trays in said cabinet, means for limiting the depth of water in said trays, a wall below said inlet opening having an opening opposite the adjacent ends of said water trays, and a blower mounted below said inlet opening adjacent said opening through said wall for drawing air through said inlet opening and driving said air between said trays and from said cabinet through said outlet opening.



1,985,690
TELEVISION SYSTEM
Louis G. Pooler, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application March 6, 1931, Serial No. 520,489
16 Claims. (Cl. 178—6)



1. In an electrical transmission system in which signalling currents characterized by the dark and light densities of an object are transmitted, an electrical discharge, a magnetic field in which said discharge occurs for propagating it in a hollow two-dimensional pattern, means associated with said discharge and utilizing the movement thereof for directing light therefrom in a solid two-dimensional pattern, and means for translating said light into said electrical currents for producing said signalling currents.

1,985,691
RESISTOR
Alexander L. Pugh, Jr., Pomona, N. Y., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware
Application November 8, 1930, Serial No. 494,281
8 Claims. (Cl. 201—63)

5. A resistance device comprising a form, a relatively long winding of high resistance wire wound upon said form, a relatively short precision winding of low resistance wire wound upon said form, a molded piece of metal in which the adjacent ends of said windings are embedded, and molded metal end pieces embedding the remaining ends of said windings, said remaining ends passing into said molded metal end pieces at predetermined places on said form, the entire unit

having a predetermined resistance value within plus or minus a relatively small resistance value.

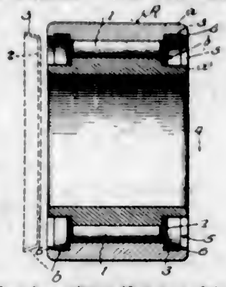


7. A resistance device comprising a form having a pair of grooves, a nickel alloy winding in one groove, a copper winding in the other groove, means connecting said windings forming a thermocouple, means forming with the nickel alloy winding at the other end thereof and an outside copper conductor an equal and opposite thermocouple, and heat absorption means on either side of the nickel alloy winding positioned to receive substantially the same amount of heat from said windings.

1,985,692
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Claudius H. M. Roberts, Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application April 13, 1933, Serial No. 665,961
13 Claims. (Cl. 196—4)

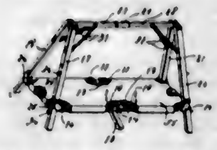
13. A process for breaking a petroleum emulsion of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a condensation product of a pyridine compound and an oleic acid body containing a hydrogen ion equivalent and in the form of a water-soluble ammonium salt, and derived by a substitution reaction involving pyridine and oleic acid hydrogen hydrogen sulfate with the elimination of sulfuric acid.

1,985,693
ROLLER BEARING
Thomas L. Robinson, Valparaiso, Ind.
Application April 27, 1934, Serial No. 722,713
4 Claims. (Cl. 308—186)



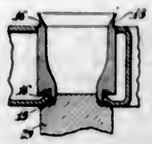
1. In a roller bearing, the combination of inner and outer bearing members provided with opposed, concentric bearing surfaces, both ends of said bearing members projecting beyond the bearing surfaces thereof and being correspondingly recessed to provide substantially similar shoulders thereon, respectively, at opposite ends of said bearing surfaces, a multiplicity of anti-friction rollers mounted between said bearing members, and retainer means for confining the inner bearing member and said anti-friction rollers in operative engagement with said bearing, consisting of rings made of thin, resilient sheet material, outwardly dished marginal flanges thereon arranged to interlock with interior shoulders formed adjacent the outer ends of the recessed portion of the outer bearing member, and the inner edges of the flat portions thereof overlapping the corresponding shoulders on the inner bearing member.

1,985,694
COMBINATION TENT
David Rosenbaum, Detroit, Mich.
Application May 17, 1933, Serial No. 671,469
1 Claim. (Cl. 5—117)



In a device of the class described, a cot forming structure having a pair of oppositely disposed side rails, each of said rails comprising a pair of sections in alignment with each other; a pair of supporting legs pivotally connected together intermediate their ends and extending at their upper ends between the adjacent ends of the aligning sections of said side rails; pins respectively aligned with each side rail turnably mounted in the upper end of the adjacent leg and projecting therethrough on both sides of the leg, clevises mounted one on each projecting end of each pin and lying between the leg and the adjacent end of a side rail section and means pivotally connecting the inner end of each side rail section to the adjacent clevis.

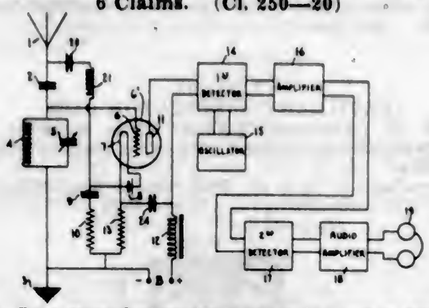
1,985,695
METHOD OF CLINCHING FERRULES IN HOLLOW WHEELS
Ralph H. Rosenberg, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 20, 1931, Serial No. 509,899
5 Claims. (Cl. 218—29)



1. A machine for securing ferrules within a hollow sheet metal structure which comprises a die adapted to enter the body portion of a ferrule to finally form a bolt seat centrally thereof and bearing a second die surface to clinch the ferrule axially outwardly of the bolt seat, and a second die adapted to cooperate with said first die to clinch the opposite end of the ferrule over the side of said sheet metal structure.

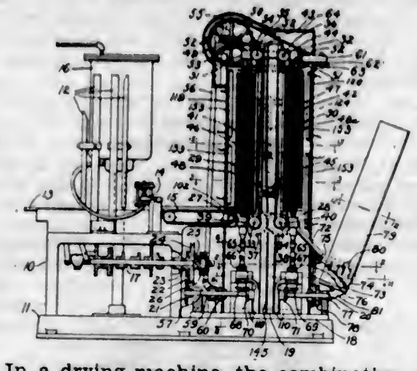
4. The method of securing reinforcing ferrules between the opposed faces of a hollow sheet metal body, which ferrules are provided at their opposite ends with shoulders ultimately to abut the said opposed faces of the sheet metal body which consists in providing the ferrules beyond the shoulders with ends of reduced diameter, providing the body with apertures one at least of which is larger than the diameter of the ferrule between the shoulders, inserting the ferrule through said last mentioned opening, to a position in which the shoulder is radially juxtaposed with the face it is to abut, thereupon radially expanding the ferrule to axially juxtapose the shoulder and the surface and providing a coacting external shoulder in connection with said end of reduced diameter.

1,985,696
RADIO RECEIVING SET
Stuart W. Seeley and Garrard Mountjoy, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 20, 1932, Serial No. 638,752
6 Claims. (Cl. 250—20)



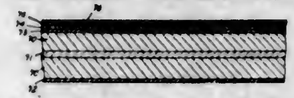
1. In a superheterodyne receiving set, a bridge circuit consisting of a signal and image frequency source in one arm, means connected to the conjugate of said arm for producing beats with the signal frequency, a substantially constant effective capacity in each of another pair of conjugate arms and means for producing in the third pair of conjugate arms effective capacities that vary substantially inversely with frequency changes within the band defined by the signal and image frequencies.

1,985,697
DRYING MACHINE
Charles Stecher, Chicago, Ill.
Application April 13, 1932, Serial No. 604,903
12 Claims. (Cl. 34—11)



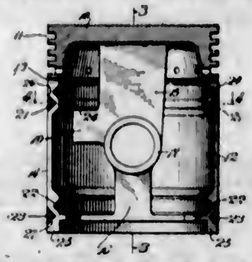
1. In a drying machine, the combination of a first pair of spaced vertical feed screws for engaging the edges of blanks to be dried to move them vertically in a first direction, a second pair of spaced vertical feed screws for engaging the edges of said blanks to move them vertically in a reversed direction, a vertical guide bar for engaging each set of said blanks and restraining them from horizontal movement in a first direction, transfer mechanism adjacent the delivery ends of said first pair of feed screws for moving said blanks from engagement with said first pair of screws into engagement with said second pair of screws, a delivery chute for receiving said blanks from the delivery ends of said second pair of screws, the feed screws of each pair engaging opposite edges of said blanks and restraining said blanks from horizontal movement in two other directions than said first horizontal direction, and gearing for rotating said feed screws of each pair in opposite directions and each screw by its engagement with a blank tending to move the blank towards the guide bar associated with said screw.

1,985,698
PAPER MANUFACTURE
Joseph H. Swan, 3d, Middletown, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Original application August 30, 1929, Serial No. 389,425. Divided and this application May 28, 1932, Serial No. 614,136. In Canada August 21, 1930
15 Claims. (Cl. 154—50)



1. A highly moisture proof and grease proof container board adapted for the packaging of greasy materials, comprising a multiply sheet having an interior moisture proofing layer, one surface of said multiply sheet having a composite grease proofing and moisture proofing coating including a plurality of overlying coatings of different characteristics, the top coating containing an oil insoluble adhesive precipitated in situ to fix the coating.

1,985,699
PISTON
Ralph R. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application March 23, 1932, Serial No. 600,701
7 Claims. (Cl. 309—13)

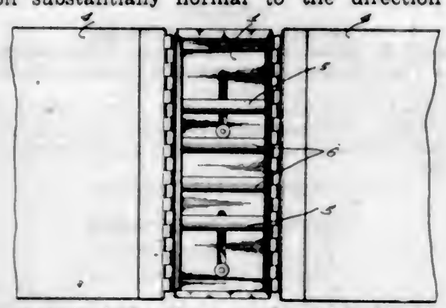


1. A piston having a head, a skirt provided with a longitudinal slot extending throughout its length and entirely separated from said head by a circumferential slot, means including vertical webs and lateral struts connecting said head and skirt, a continuous band of relatively inexpansible material extending circumferentially around and in snug-fit engagement with the inner wall of said skirt, and another continuous band of relatively inexpansible material extending circumferentially around and in snug-fit engagement with the outer wall of said skirt, both of said bands being normally fitted tightly upon the piston skirt while free for circumferential slip movement of the piston skirt relative thereto, and said bands being longitudinally offset from each other.

1,985,700
LOCKING MECHANISM FOR BINDERS
Paul O. Unger, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application June 15, 1931, Serial No. 544,323
8 Claims. (Cl. 129—13)

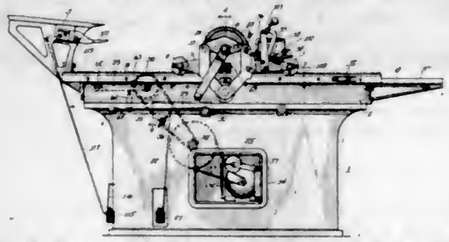
7. In a loose leaf binder, a locking post comprising a pair of telescopic members, the inner member having upper and lower bearings, a plunger rod slidably mounted in said bearings,

a collar upon said rod, a coil spring between said collar and lower bearing and a locking lever adapted to increasingly exert pressure in a direction substantially normal to the direction of



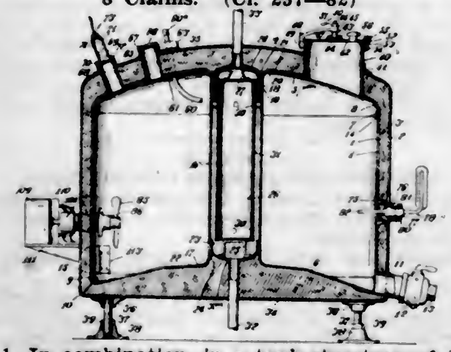
movement of the plunger rod, said locking lever being associated with said rod for frictionally engaging the outer member, said inner member having an aperture through which said lever extends.

1,985,701
PROOF PRESS
Robert O. Vandercook, Edward O. Vandercook, Frederick R. Vandercook, and David D. Vandercook, Chicago, Ill.
Application October 10, 1927, Serial No. 225,287
28 Claims. (Cl. 101—269)



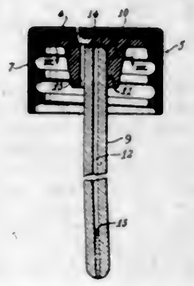
1. A device of the class specified having a traveling carriage, a printing element, pivoted arms for mounting the printing element on the carriage for vertical relative movement, and automatic means whereby the printing element may be normally held out of printing position during substantially the entire forward or printing stroke of the carriage.

1,985,702
TANK
Walter J. Wachowitz, Waukesha, Wis., assignor to Alloy Products Corp., Waukesha, Wis., a corporation of Wisconsin
Application July 30, 1932, Serial No. 626,398
8 Claims. (Cl. 257—82)



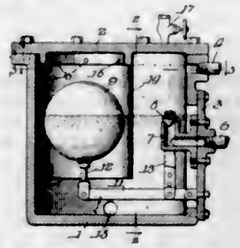
1. In combination, in a tank structure of the character described, a container comprising a top wall and a bottom wall, and a cylinder for reception of a refrigerant and disposed within the container for contact with a liquid contained by the latter, said cylinder being provided at each end with an outwardly extending flange connected to the cylinder by an element curved on an appreciable radius, said flanges being secured at their outer edges to the top and the bottom walls of the container.

1,985,703
CAPILLARY APPLICATOR ROD
Jack M. Wheaton, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application July 29, 1933, Serial No. 682,866
6 Claims. (Cl. 91—67.4)



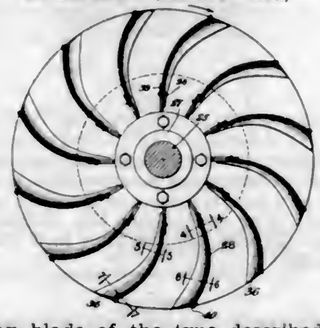
1. The combination of a bottle, a removable closure device therefor, and an applicator rod attached to the interior of said closure device in position to extend downward within the bottle, said rod having a capillary opening extending therethrough, said closure device having an open channel extending therethrough which, when the closure device is in bottle closing position, provides an open channel from the interior of the bottle to the capillary opening for venting said opening.

1,985,704
GREASE TRAP
John C. White, Madison, Wis., assignor, by direct and mesne assignments, to The Hydro-Heater Corporation, Madison, Wis., a corporation of Wisconsin
Application November 7, 1930, Serial No. 494,178
2 Claims. (Cl. 210—54)



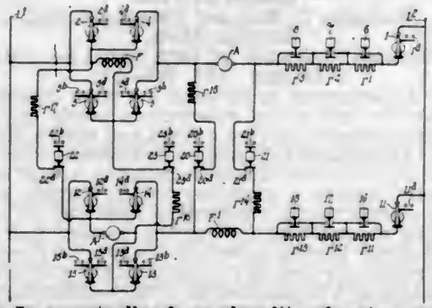
1. A trap comprising a body provided with an inlet near the upper portion thereof, a conduit extending into said body terminating at an upwardly facing port within the body just silghtly below the maximum liquid level therein and arranged to conduct liquid from said port downwardly and to the outside of said body, a downwardly closing valve arranged to seat on said port, said port being positioned for skimming oil floating on the surface at said liquid level, a chamber in said body open to said body only at its upper and lower ends extending from near the bottom of the body to a level well above the maximum liquid level having imperforate side walls to keep floating oil from the interior thereof, a float within said chamber and means extending around the lower end of said chamber connecting the float and valve arranged to open the latter whenever the liquid level rises slightly above said port, said valve, inlet and port being outside said chamber.

1,985,705
FAN BLADE
Louis C. Whiton, Jr., New York, N. Y., assignor to Prat-Daniel Corporation, New York, N. Y., a corporation of New York
Application January 30, 1932, Serial No. 589,791
14 Claims. (Cl. 230—133)



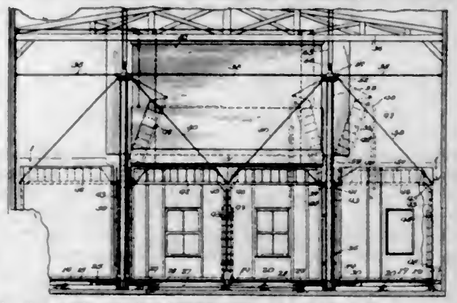
1. A fan blade of the type described, having a propelling surface having straight line elements parallel to the axis of the plate over which a gaseous current may pass in an axial direction and be propelled centrifugally away from the axis of said blade, and a wearing surface plate on the propelling surface of the blade curving from the surface of said blade forwardly at a section transverse to the radial direction of said blade at the part of said blade where said axial movement of said gases terminates, the radius of said curvature being of substantial length and centered at a distance from said surface.

1,985,706
METHOD OF AND APPARATUS FOR CONTROLLING ELECTRIC MOTORS
Herman Wilson and Charles Ritchie, Youngstown, Ohio, assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 13, 1933, Serial No. 689,208
10 Claims. (Cl. 172—179)



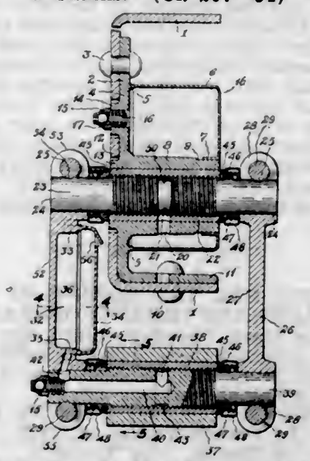
2. In a controller for a plurality of series wound motors, in combination, means to establish power connections for said motors and to effect reversals thereof by reversing the current flow through the armature of one and the field of another, and means to establish for said motors upon interruption of their power connections other connections for dynamic braking, the latter connections subjecting the motor field windings each to excitation by the current generated by another of said motors, the second mentioned means being operable automatically upon failure of voltage to establish said dynamic braking connections.

1,985,707
STAGE CONSTRUCTION FOR THEATERS
Graeme E. Young, Deerfield, Ill.
Application March 17, 1932, Serial No. 599,492
11 Claims. (Cl. 20—1.123)



1. In a theatrical stage structure, the combination with the proscenium arch, a non-revoluble main stage, a plurality of revoluble platforms flush with the main stage and disposed to be simultaneously viewed through said arch, said platforms rotatable about laterally spaced vertical axes, a superstructure carried by the platforms and embodying overhead pivotally mounted runways, and means for folding and unfolding the said runways with relation to the respective platforms.

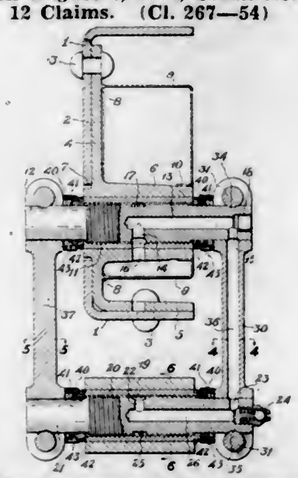
1,985,708
SHACKLE MECHANISM
Oscar U. Zerk, Chicago, Ill.
Application August 2, 1932, Serial No. 627,263
8 Claims. (Cl. 267—54)



1. In a spring shackle, the combination with the eye at the end of a vehicle spring, of a hanger adapted to be secured to the vehicle frame having an internally threaded integral hub and a lubricant casing associated therewith, a shackle bolt having cylindrical ends and a central reduced portion and relatively increased intermediate

threaded portions engaging the hub, the bolt end portions extending outwardly from the hub, and the hub being provided with a duct affording communication between the central reduced portion of the bolt and the casing, a pair of shackle links spaced outwardly from the hub and rigidly secured to the bolts adjacent the ends thereof, and means intermediate the shackle and the hub ends to effectively seal the bolts and hub.

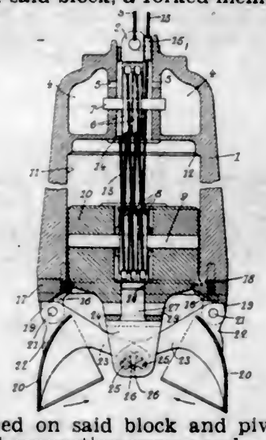
1,985,709
SHACKLE MECHANISM
Oscar U. Zerk, Chicago, Ill.
Application August 2, 1932, Serial No. 627,264
12 Claims. (Cl. 267—54)



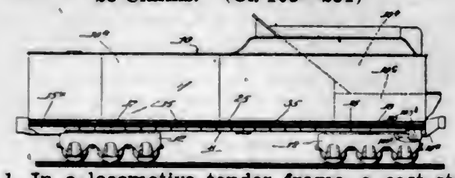
1. In a shackle mechanism, a hanger adapted to be rigidly secured to a vehicle frame having a laterally extending hub portion, a lubricant casing asociated with said hanger and communicating interiorly of the hub, a shackle bolt threadedly engaging the hub portion, a pair of shackle links constrictingly engaging the bolt outwardly of the hub, a second shackle bolt non-rotatably and rigidly supported by the shackle links in substantially parallel relation to the first said bolt, the second shackle bolt being adapted to threadedly engage a spring eye or the like, and communicating means comprising ducts provided in the first shackle bolt, one of said shackle links, and the second shackle bolt whereby lubricant in the casing may be distributed to both said bolt threaded portions, and sealing means intermediate the inner faces of the shackle links and the hanger and spring eye to effectively seal the hanger and spring eye against the escape of lubricant.

1,985,710
APPARATUS FOR THE BORING OF WELLS, OR SHAFTS, AND FOR LIKE OPERATIONS
Pierre Jean Marie Theodore Allard, Ste. Adresse, France, assignor to Societe Francaise de Construction de Bennes Automatiques, Le Havre, France, a French company
Application May 26, 1933, Serial No. 672,967
In France August 25, 1932
6 Claims. (Cl. 37—187)

1. An apparatus of the kind referred to comprising a grab device, an elongated preferably cylindrical body combined with said grab and intended for the guiding of the grab device in the bore formed by the excavation of the earth, a member detachably mounted on the bottom of said elongated body, operating means adapted to bore the ground by percussion and to evacuate the disaggregated materials, said operating means being pivotally supported by said detachable member, a metallic block slidably mounted within said elongated body, means connecting said operating means with said block, a forked member detachably mounted on said block and pivotally supporting said connecting means and a mechanism mounted and entirely concealed within said elongated body and controlling the sliding of said block and thereby the opening and the closing of the grab.



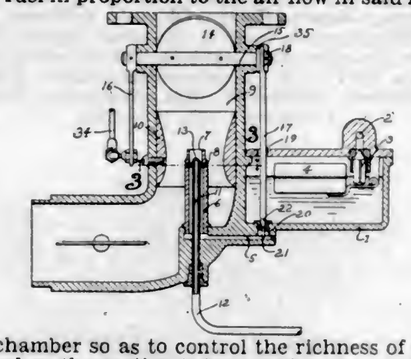
1,985,711
TENDER FRAME STRUCTURE
Augustine R. Ayers and George S. Vail, Cleveland, Ohio
Application July 6, 1931, Serial No. 548,802
23 Claims. (Cl. 105—231)



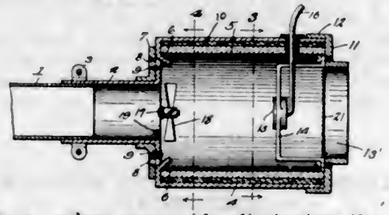
1. In a locomotive tender frame, a cast steel main frame consisting of a single piece longitudinal beam widened at its front end to form the bottom of a stoker compartment, but otherwise without laterally projecting bolsters, supports or end sills, said main frame forming the sole support for a tank superstructure.

1,985,712
CARBURETOR
Frederick O. Ball and Thomas M. Ball, Detroit, Mich.
Application November 29, 1929, Serial No. 410,581
3 Claims. (Cl. 261—51)

1. A carburetor comprising a mixing chamber, a throttle and a fuel reservoir, a nozzle in said mixing chamber having a fixed end orifice and a plurality of fixed side orifices and communicating with said reservoir through a passage in said carburetor having a metering orifice therein, said side orifices being adapted to feed fuel to said mixing chamber by the normal suction therein, an injector having an external source of force in said nozzle for feeding fuel through the end orifice of said nozzle independently of the suction in said mixing chamber, a valve in said metering orifice, and mechanism connecting said valve with said throttle for automatically regulating the flow of fuel to said nozzle and adapted to gradually decrease such flow only when the normal suction in said mixing chamber is reduced by the action of said throttle below that intensity required to feed fuel in proportion to the air flow in said mixing chamber so as to control the richness of said fuel when the suction is inoperative as a controlling factor.



1,985,713
CARBON MONOXIDE ELIMINATOR
James C. Bartlett, Baltimore, Md.
Application August 26, 1933, Serial No. 686,945
6 Claims. (Cl. 23—288)



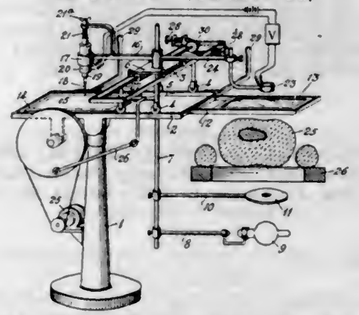
1. In a carbon-monoxide eliminator, the combination of a single-chamber casing having a plurality of air-admitting orifices therein in the walls thereof for the admission of air and having baffles thereon adjacent to the orifices, a throat piece to the casing for attaching the eliminator to the exhaust pipe of an internal combustion engine, a spinner mounted in the casing at the throat for whirling the gases passing therethrough and the air admitted through said orifices together, a heating element in the casing for electrically igniting the gases therein, and a screen for agitating the gases passing out of the eliminator.

1,985,714
METAL FOR LOOSE LEAF BINDER COVERS
Ernest J. Bloore, Brampton, Ontario, Canada, assignor to The McBee Company, Athens, Ohio
Application December 4, 1933, Serial No. 700,776
In Canada December 7, 1932
5 Claims. (Cl. 129—12)



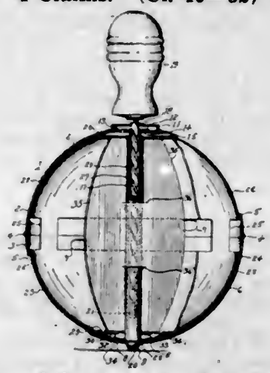
1. A metal for loose leaf binders of the post type having holes therethrough to receive the posts, a bar adjustably arranged within the metal having holes through which the posts extend, dogs pivotally mounted on said bar on axes disposed transversely of the post axes and adapted to engage and grip the posts, and threaded means for accurately and positively adjusting said slidable bar.

1,985,715
APPARATUS FOR PRODUCING ORTHODIAGRAPHIC DIAGRAMS
Gustav Bucky, New York, N. Y.
Application February 17, 1934, Serial No. 711,650
In Germany September 6, 1932
18 Claims. (Cl. 250—34)



1. Apparatus for producing orthodiagraphic diagrams, comprising a Roentgen tube movable to scan the object under observation, a recording device including means movable in synchronism with the movement of the Roentgen tube over a corresponding area, the intensity of the Roentgen beam passing through the body under observation varying with the density of the areas scanned by the beam, and means actuated by and in accordance with varying intensities of the emerging beam, and operative automatically to cause said recording device to make a visible record of the boundary between the areas of different transparency as the beam passes from one such area to another.

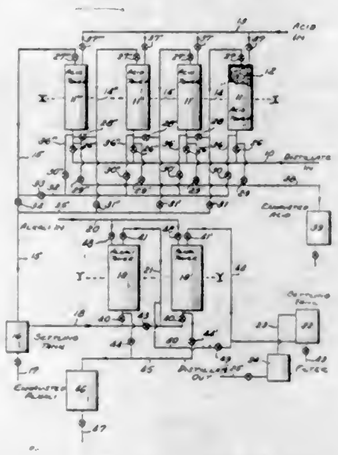
1,985,716
TOP
Fritz Bueschel, Hackettstown, N. J., assignor to Essex Specialty Co., Inc., Hackettstown, N. J., a corporation of New Jersey
Application January 25, 1933, Serial No. 653,375
4 Claims. (Cl. 46—32)



1. In a top of the character described, an outer shell arranged to be rotated, mechanism for rotating said outer shell comprising a clutch housing in said shell, a one way clutch within said housing, a helical rod having a handle thereon, said helical rod extending into said outer shell and engaging said clutch for rotating the same to thereby effect the rotation of said outer shell when said handle is reciprocated, an inner shell of slightly lesser dimensions than said outer shell and contained within said outer shell, said inner shell being supported upon the inner surface of said outer shell but being independently rotatable

with respect to said outer shell, said outer shell having openings in the wall thereof, whereby portions of said inner shell may be viewed from without, said inner and outer shells having their outer surfaces variously colored, whereby relative turning movement of said inner and outer shells, resulting from the spinning of said outer shell, causes the top to successively assume various color effects, the actuation of said rotating means handle during the spinning of the top serving to continue such spinning as long as desired.

1,985,717
PROCESS FOR DECOLORIZING OILS
Sumner E. Campbell, Long Beach, Calif.
Application December 2, 1932, Serial No. 645,402
8 Claims. (Cl. 196—40)

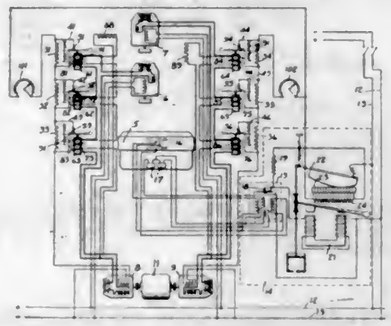


1. In a process of decolorizing hydrocarbon distillates in a plurality of chambers containing contact material and containing sulphuric acid placed in the lower part thereof, the steps which comprise: passing the hydrocarbon distillate upward through said chambers arranged in series relation, continuing the passage of distillate until the acid is substantially exhausted in successive individual portions, removing the acid and reaction products in successive individual portions, and maintaining a plurality of the chambers in operation.

1,985,718
BITUMINOUS PAVING MATERIAL AND METHOD OF PRODUCING THE SAME
James F. Carle, Birmingham, Ala.
No Drawing. Application July 15, 1931, Serial No. 551,059
8 Claims. (Cl. 106—31)

1. A process of producing a mixed bituminous material adapted to be stored in a granular condition and laid cold and to solidify upon compression, comprising, mixing hot bituminous material of sufficiently high penetration to be plastic at atmospheric temperatures with granular aggregate, maintaining said mixture in a granular condition by agitation, providing a water suspension of finely divided calcareous material, partially cooling the mixture while maintaining it in a granular condition and treating the granular bituminous material with said water suspension at a temperature near the softening point of the bituminous material.

1,985,719
MOTOR CONTROL SYSTEM FOR GRINDERS AND THE LIKE
George Edward Craig, Ottawa, Ontario, and William Jeston Walker, Gatineau, Quebec, Canada, assignors to International Paper Company, New York, N. Y., a corporation of New York
Application October 6, 1932, Serial No. 636,504
8 Claims. (Cl. 172—239)

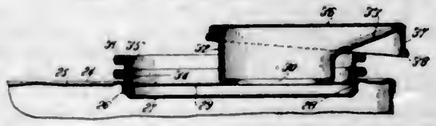


5. In a motor control system comprising a main motor, a plurality of auxiliary motors for loading said main motor, means responsive to the load of said main motor for varying the voltage of said auxiliary motors, and means responsive to the mechanical load on each auxiliary motor for holding the power consumption thereof substantially constant.

1,985,720
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, Mo., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application October 9, 1933, Serial No. 692,905
5 Claims. (Cl. 196—4)

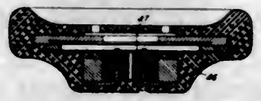
5. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent produced by reacting approximately molecular proportions of naphthalene and Pintsch gas tar middle distillate boiling between 85° and 120° C. and comprising cyclo-olefines having not less than seven carbon atoms and not more than seventeen carbon atoms in the ring, with a large excess of strong sulfuric acid followed by a washing process and a neutralization process by means of strong ammonia.

1,985,721
CAN
Edgar F. Dival, Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
Original application November 28, 1932, Serial No. 644,674. Divided and this application February 2, 1934, Serial No. 709,464
4 Claims. (Cl. 221—23)



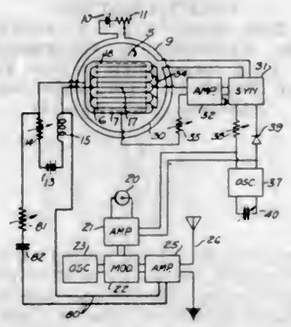
1. In combination with a can, the top of which is formed with an opening surrounded by a friction ring, an imperforate disc closure having a friction surface to fit into said friction ring, and a spout supporting member provided with a spout formed with a lower friction surface to fit into said imperforate disc closure, and an upper friction surface of larger diameter adapted to fit the friction ring on the can body when the imperforate disc closure is removed.

1,985,722
ACOUSTIC DEVICE
John R. Erickson, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1932, Serial No. 597,879
9 Claims. (Cl. 179—181)



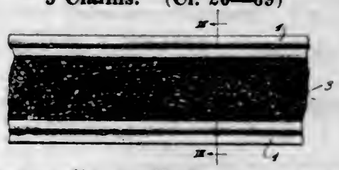
2. A telephone receiver comprising a case having an open end defined by a rim portion, a diaphragm, and means enclosing said diaphragm, said means comprising a pair of plates of different sizes, and diaphragm vibration controlling means between one of said plates and the peripheral portion of said diaphragm, such plates being secured together to form a ledge portion for engagement with the rim of the case, each of the plates having an opening and said diaphragm being supported entirely inside of the rim of the case.

1,985,723
TELEVISION SYNCHRONIZING AND MONITORING SYSTEM
Henderson C. Gillespie, East Orange, N. J., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application January 5, 1932, Serial No. 584,797
8 Claims. (Cl. 178—6)



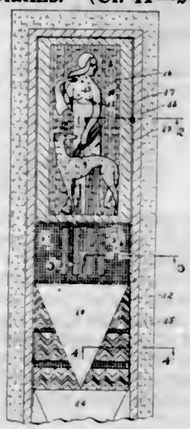
1. In a system for transmitting energy characterized by light and shade densities of an object, the combination of a moving light source for exploring said object, a second moving light source at a distant point for reproducing an image of said object, and means at said transmitter for impressing a portion of the energy generated for transmission on said first light source to produce variations therein corresponding to the variations produced in said second source by the transmitted energy.

1,985,724
WEATHER STRIP
David H. Harnly, Chicago, Ill.
Application July 9, 1934, Serial No. 734,261
5 Claims. (Cl. 20—69)



1. A composite weather strip comprising a resilient backing, a felt facing and an intermediate fabric strengthening member.

1,985,725
COMBINATION PLASTIC AND COLOR DECORATING
Anthony B. Heinsbergen, Los Angeles, Calif.
Application October 20, 1933, Serial No. 694,420
4 Claims. (Cl. 41—24)



4. The process of producing mural decorations consisting in handling the material in a surface to be decorated in a plastic state while in place, then producing ornaments and figures by inscribing, engraving, and cutting shade-effects together with an application of decorating material with respect to such plastic surface, and then producing a back-ground with respect to the ornaments and figures by inscribing, engraving, and cutting shade-effects together with an application of decorating material in such plastic surface.

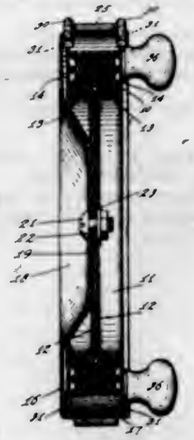
1,985,726
COASTER TOY
Max Heidman, Birmingham, Ala.
Application January 3, 1933, Serial No. 649,944
7 Claims. (Cl. 208—182)



1. A coaster stick having a roller mounted at its lower end with a drag brake element comprising a body having an unreduced end forming a thick wearing portion, the element being

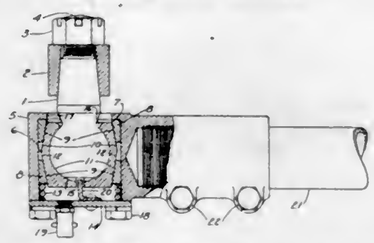
mounted adjacent to the roller in position to be brought into engagement with the ground by varying the angular relationship of the stick to the ground by a rider astride the stick.

1,985,727
CLOTHES-LINE REEL
Foss C. Hush, Lincoln, Nebr.
Application December 11, 1933, Serial No. 701,759
5 Claims. (Cl. 242—101)



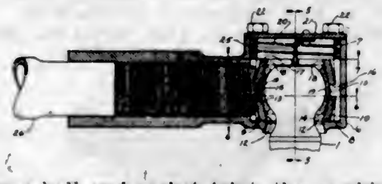
3. A reel, comprising a spool having a peripheral clothes-line receiving groove defined by annular flanges at the ends of the spool, a casing within which said spool is rotatably mounted, means for loosely attaching said casing to a support, said casing having an open side exposing one end of said spool, and two diametrically opposite winding-knobs secured to the spool-flange and extending axially outwardly of the spool in the open side of said casing.

1,985,728
BALL AND SOCKET JOINT
George B. Ingersoll, Dearborn, Mich., assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1927, Serial No. 233,495
Renewed June 7, 1934
9 Claims. (Cl. 287—90)



9. A ball and socket joint comprising a member having a spherically shaped head, a plurality of socket members each having a spherical surface seating against the said head, the said members forming an enclosure with a main opening at one end only, a housing, an annular member in the said housing, said member having a tapered inner surface engaging said socket members, a slidable member in the bore of the said housing, the said slidable member engaging the said socket members, and means for maintaining the said slidable member in contact with the said socket pieces.

1,985,729
BALL AND SOCKET JOINT
George B. Ingersoll, Dearborn, Mich., assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application May 14, 1928, Serial No. 277,559
Renewed June 7, 1934
18 Claims. (Cl. 287—90)



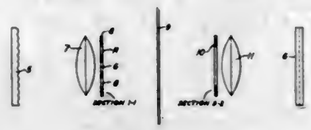
1. In a ball and socket joint, the combination of a housing having a bore, a pair of spaced members in the bore of said housing, each of said spaced members having an inner tapered surface and thrust surfaces adjacent its ends, a pair of socket pieces, each of said socket pieces having two external tapered surfaces, one of the external tapered surfaces of each said socket pieces engaging the inner tapered surface of one of said spaced members, each of said socket pieces being further provided with surfaces engaging the thrust surfaces adjacent the ends of said spaced members, a pair of slidable members in the bore of said housing, each of said pair of slidable members having an inner tapered surface engaging the external tapered surface of one of said pair of socket pieces, each of said slidable members being further provided, adjacent its ends, with thrust surfaces engaging one of said pair of socket pieces, a ball stud extending within and engaging the said pair of socket pieces, and means for forcing said pair of slidable members into engagement with said pair of socket pieces.

1,985,730
PHOTOGRAPHY
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 20, 1930, Serial No. 437,341
7 Claims. (Cl. 88—24)



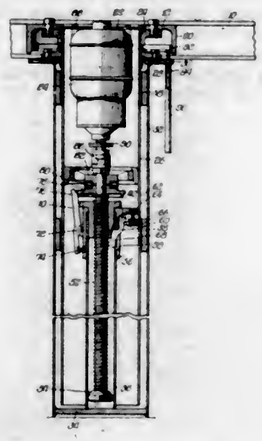
4. In a copying device for ridged lenticular film, an original ridged lenticular motion picture film and a sensitive copy ridged lenticular motion picture film, both said films having their ridges at the same acute angle to one edge of the film strip, means to image said original film on said copy film frame by frame for copying, means to pass said film strips through the copying device with their edges parallel and the ridges facing each other optically, and a diaphragm near said imaging means in the path of the light passing from said original to said copy film having a plurality of clear apertures through which said light passes aligned parallel to one of two coordinate axes both of which are parallel to the planes of the films and one of which is parallel to the edges of the films.

1,985,731
PHOTOGRAPHY IN NATURAL COLORS
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application March 20, 1930, Serial No. 437,341. Divided and this application July 31, 1931, Serial No. 554,207
2 Claims. (Cl. 88—24)



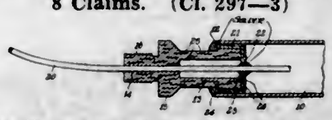
1. In a copying device for ridged lenticular film, an original ridged lenticular motion picture film and a sensitive copy ridged lenticular motion picture film, both said films having the ridges at an angle of approximately 45 degrees to the corresponding edges of the films, a translucent screen, means to project on one side of said screen from said original film a series of images in color, means to rephotograph from the opposite side of said screen said images on said copy film frame by frame to produce juxtaposed linear color records on said copy film, and means to pass the film strips through the copying device with their edges parallel.

1,985,732
LIFT
Robert J. Jauch and Ross H. Arnold, Fort Wayne, Ind., assignors to Wayne Company, Fort Wayne, Ind., a corporation of Indiana
Application February 27, 1934, Serial No. 713,234
17 Claims. (Cl. 254—92)



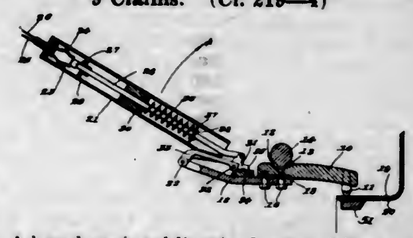
15. In a lift, a support member, a load carrying member, operating means for moving said load carrying member relative to said support member, said means including a motor associated with one of said members, a screw operated thereby, a rotatable nut associated with the other of said members through which said screw extends and provided with shoulders, locking dogs normally cooperating with said shoulders, and means on said screw for releasing one of said dogs at a limit of said screw for permitting overtravel of said motor.

1,985,733
SEALING ELEMENT FOR FLUID-PRESSURE CONTAINERS
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application November 29, 1933, Serial No. 700,333
8 Claims. (Cl. 297—3)



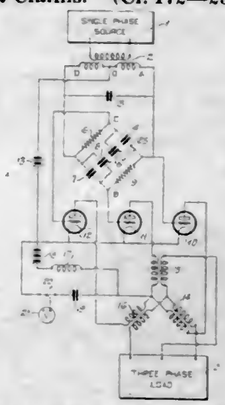
1. A sealing element for fluids under pressure, said element comprising a tubular metal body member and a wrought metal cap enclosing an end thereof to be exposed to the pressure, with the grain of the cap in a direction substantially normal to said pressure.

1,985,734
WELDING TOOL
Ralph P. La Porte, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 3, 1932, Serial No. 615,168
9 Claims. (Cl. 219—4)



2. A hand spot welding tool comprising an electrode bearing portion and a tubular handle portion pivoted thereto, means interiorly of said tubular portion arranged to control a welding circuit, and means interposed between said portions including a yielding member arranged to actuate said circuit controlling means in accordance with a predeterminate electrode pressure.

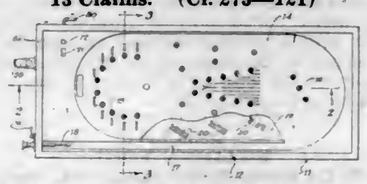
1,985,735
ELECTRICAL GENERATOR SYSTEM
William Walter Macalpine, East Orange, N. J., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application November 10, 1931, Serial No. 574,072
12 Claims. (Cl. 172—238)



11. A plural phase converter system, a bridge circuit having impedance arms, said arms including a plurality of reactances and a plurality of

resistances in series, means for impressing an alternating voltage on said bridge arms at opposite input terminal points thereof, a plural phase voltage circuit, and means for connecting said circuit to two points on said bridge circuit intermediate said opposite input terminal points and to one of said opposite input terminal points.

1,985,736
GAME APPARATUS
William H. Bellah, Los Angeles, Calif.
Application October 8, 1934, Serial No. 747,322
13 Claims. (Cl. 273—121)

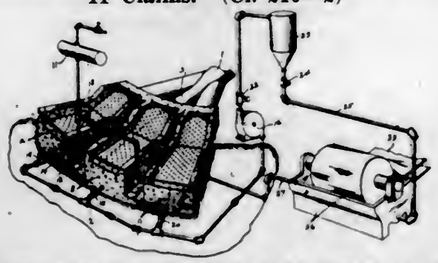


13. In an amusement apparatus, the combination of: a cabinet or casing; an operating mechanism in the said cabinet or casing including a movable member and a member having a handle thereon disposed exteriorly of the said cabinet or casing; a free game registering dial in the said cabinet or casing; said operating mechanism including means for advancing said registering dial in circumferential steps in a direction away from its initial or zero position; said operating mechanism also including means coacting with the said handle member and requiring less than a full or complete operative stroke of the latter to operate said movable member when the said registering dial is away from its initial or zero position; said operating mechanism naving additional means coacting with the said handle member and necessitating a full or complete stroke of said handle member to operate said movable member when the said registering dial is in zero position.

1,985,737
PROCESS OF MANUFACTURING OF LIGHT NAILABLE BRICKS
Hermann Mayr, Munich, Germany
No Drawing. Application January 9, 1932, Serial No. 585,797. In Germany January 8, 1931
3 Claims. (Cl. 25—156)

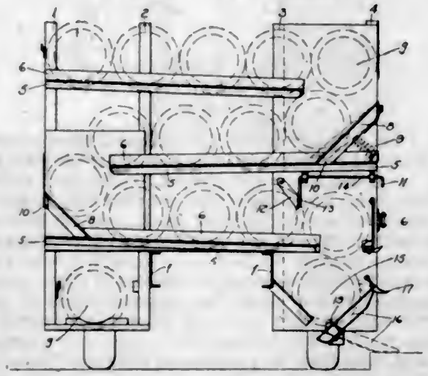
1. A composition of loam, turf, collodion and water for producing nailable bricks by means of burning said composition.

1,985,738
SEWAGE DISPOSAL PLANT
Michael J. Mullin, Solvay, N. Y.
Application October 3, 1930, Serial No. 486,140
11 Claims. (Cl. 210—2)



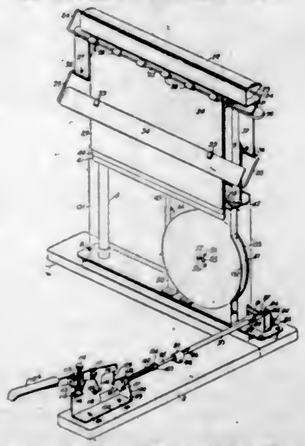
1. In a device of the class described, an imperforate tank having an open side and provided with an inlet at one end, a perforated cover plate for the open side of the tank, an adjustable baffle plate in said inlet adapted to deflect the incoming sludge downwardly beneath said cover plate and toward the bottom of the tank and means for operating said baffle plate.

1,985,739
VEHICLE BODY FOR BARRELS
Paul Murray, Brooklyn, N. Y.
Application August 18, 1933, Serial No. 685,681
4 Claims. (Cl. 214—83)



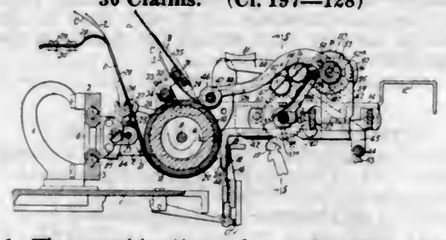
1. In a vehicle body, sections comprising rails adapted to support and deliver barrels to the side of said vehicle, and tapered chafing strips above said rails, and a metal shrouding covering said chafing strip as well as the upper and side surfaces of said rails, thereby increasing the strength and durability of said sections for a given weight.

1,985,740
COPYHOLDER
Joseph Phelps, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application February 10, 1933, Serial No. 656,118
20 Claims. (Cl. 120—29)



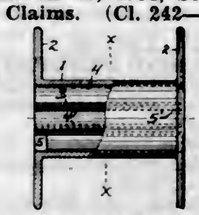
1. In a copy holder, the combination of a base member, a plurality of bodily and relatively movable collapsible copy supporting sections, and means for controlling the relative expansion and contraction of said sections comprising a drum, and a flexible controlling member wound on said drum and operatively connected to certain of said sections to exert a pushing force thereon.

1,985,741
TYPEWRITING MACHINE
George James Munson Pilgrim, Thornton Heath, Surrey, England, assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application July 24, 1930, Serial No. 470,320
In Great Britain January 30, 1930
30 Claims. (Cl. 197—128)



1. The combination of a cylindrical platen, flexible bands partly surrounding the platen and extending up beyond the printing line and effective for holding a work sheet introduced in the rear of the platen snugly against it and directing such work sheet up past the printing line, a curved paper deflector beneath the platen movable towards and from the platen independently of said bands for receiving a work sheet introduced rearward into the machine from in front of and beneath the platen and into the space intermediate said bands and deflector, and a second paper deflector movable across the printing line into and out of effective position and being when in effective position in cooperative relation with and forming substantially a continuation of said first mentioned deflector to aid in the rearward introduction of a work sheet thereto.

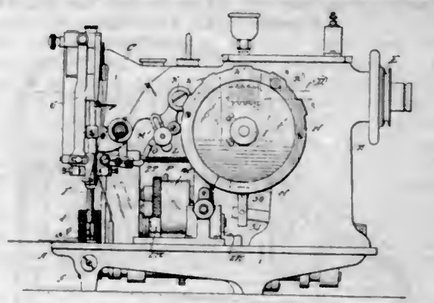
1,985,742
SPOOL STRUCTURE
Victor F. Rea, Fort Wayne, Ind., assignor to Rea Magnet Wire Company, Inc., a corporation of Indiana
Application March 26, 1934, Serial No. 717,405
6 Claims. (Cl. 242—123)



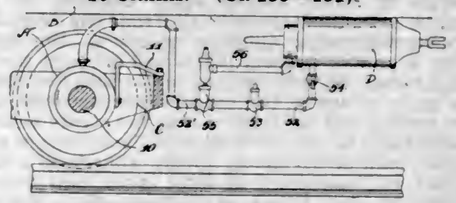
5. A spool structure including a cylinder provided with radially extending external end flanges, a tubular hub located in the bore of said cylinder in axial alinement therewith, a series of webs connecting the hub and cylinder, and means located at each end of the spool structure providing radially elongated laterally restricted openings for the reception of a dog-pin.

1,985,743
MACHINE FOR SEWING FASTENER TAPE AND THE LIKE
Leo Roseman, Newark, N. J.
Application April 15, 1931, Serial No. 530,171
14 Claims. (Cl. 112—2)

1. In a sewing machine, the combination with sewing mechanism, of a pair of rotatable feed rollers to grip the work between them for feeding the work to said sewing mechanism, means for rotating said rollers, a stop device to engage the work and temporarily interrupt movement thereof to said sewing mechanism, and means for reducing but maintaining the gripping pressure of said feed rollers upon said work, while movement of the work is interrupted by said stop device.

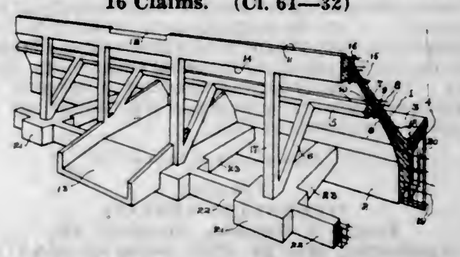


1,985,744
AUTOMATIC BRAKE GOVERNOR
Frederick I. Rowley, St. Paul, Minn.
Application May 8, 1930, Serial No. 450,704
10 Claims. (Cl. 188—181)



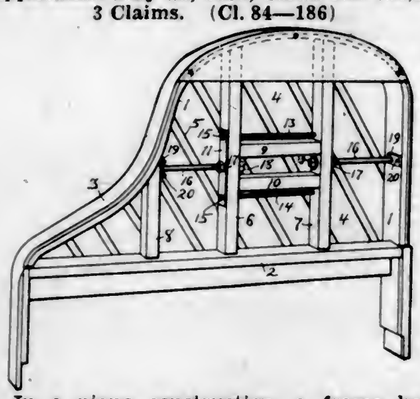
1. An automatic air brake governor for train wheels including, governor means at all times rotatable with the rotation of the train wheel, means for automatically releasing excessive air pressure from the air brake cylinder when the pressure is sufficient to cause locking and skidding of the wheels, and spring means urging said releasing means into open position, said governor decreasing tension of said spring means as the speed decreases.

1,985,745
REENFORCED CONCRETE STRUCTURE
Clarence H. Roy, East Cleveland, Ohio, assignor of one-fourth to William J. Wesseler, East Cleveland, Ohio
Application May 24, 1934, Serial No. 727,359
16 Claims. (Cl. 61—32)



1. A reenforced concrete structure having an inclined slab, a support for the forward edge of said slab comprising a continuous cut-off wall extending into the earth, supports for the upper portion of said slab in the form of struts at spaced intervals, reenforced concrete footings beneath said struts, and cantilever beams connecting said footings with said cut-off wall and slab.

1,985,746
PIANO CONSTRUCTION
Bror K. Settergren, Bluffton, Ind.
Application May 23, 1934, Serial No. 727,157
3 Claims. (Cl. 84—186)



1. In a piano construction, a frame having inner and outer rims and a cross-bar connecting the end portions of said inner rim, a sounding board secured about its margin to said frame, a series of struts spaced apart disposed in the frame extending respectively from the cross-bar to corresponding opposite points on the inner rim, a pair of spacers positioned between two of said struts, tie rods applied to the said two struts so as to compress the spacers therebetween, and an anchor rod for each of said two struts secured adjustably at one of its ends to the corresponding strut, said struts being axially alined with each other and connected at their other ends respectively to said frame at corresponding opposite points thereon.

1,985,747
ETHER-LIKE CONSTITUTED COMPOUND HAVING WETTING, DISPERSING, EMULSIFYING, AND WASHING PROPERTIES
Adolf Steindorff, Karl Daimler, and Karl Platz, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 9, 1931, Serial No. 528,974. In Germany April 17, 1930
5 Claims. (Cl. 260—151)

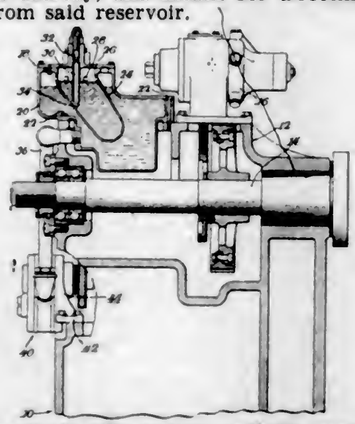
1. The compounds of the following formula:

$$R_1\text{—O—}\underset{\displaystyle Z}{\underset{|}{C}}\text{H—}C_3H_6\text{—}SO_3Me$$

wherein R_1 stands for a hydrocarbon radical, the molecule of which contains more than 3 carbon atoms and Z stands for H or alkyl, and Me stands for hydrogen, an alkali metal or ammonium, having a particularly strong foaming power and an excellent soap-like action and simultaneously an intense resistance to lime.

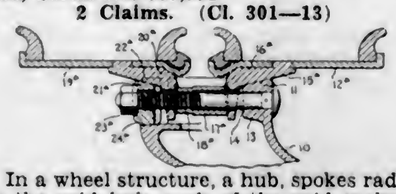
1,985,748
HYDRAULIC SYSTEM
Ernest J. Svenson, Rockford, Ill.
Application May 28, 1930, Serial No. 456,571
12 Claims. (Cl. 137—78)

1. In a hydraulic system, a fluid reservoir, a fluid body therein, a conduit for directing fluid into said reservoir, the cross section of the conduit as compared with the reservoir being relatively small, said reservoir having a wall surface positioned close to and extending transversely of the discharge end of said conduit for receiving fluid from said conduit, a portion at least of said surface being positioned within said fluid body, said wall being inclined with respect to the direction of fluid flow at the outlet of said conduit and extending from the discharge end of said conduit into the fluid body in a manner to effect a non-turbulent entry of fluid from the conduit into said fluid body, whereby to counteract any tendency to agitate the main fluid body within the reservoir resulting from the flow of fluid received thereby, and means for directing fluid away from said reservoir.



6. In a hydraulic system, a fluid reservoir, a conduit for delivering fluid to said reservoir, a second reservoir for receiving the overflow of fluid from said first reservoir, whereby to prevent the agitation of and hence the occlusion of air within the fluid in said second reservoir, a pump, a conduit extending between the pump and said second reservoir for receiving fluid by force of gravity from said second reservoir and delivering same to the intake side of said pump, the air free fluid under gravity serving to increase the operating efficiency of said pump, and means for directing fluid from the discharge of said pump to said first conduit.

1,985,749
DUAL WHEEL AND DEMOUNTABLE RIM
Joseph G. Swain, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Original application February 16, 1927, Serial No. 168,552. Divided and this application March 8, 1933, Serial No. 659,991
2 Claims. (Cl. 301—13)

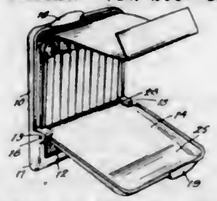


1. In a wheel structure, a hub, spokes radiating from the said hub, each of the said spokes terminating, at their outer end, in an open section having front, rear, and side walls, inwardly inclined bearing surfaces on the rear walls of the said spokes, an inner rim base having an inside diameter slightly greater than the side walls of the said spokes, driving lugs suitably fastened to the said inner rim base and extending between the side walls of the said spokes, the said driving lugs each being further provided with an inwardly inclined bearing surface, means for clamping the inwardly inclined bearing surface of the said driving lugs against the said inwardly inclined bearing surfaces on the rear wall of the said spokes, outwardly inclined bearing surfaces on the outer walls of the said spokes, an outer rim base, driving lugs suitably fastened to the said outer rim base, each of the said driving lugs being provided with an inwardly inclined bearing surface, and means for clamping the said driving lugs of the outer rim against the said means for clamping the said driving lugs on the said inner rim, the said means for clamping the said driving lugs of the outer rim being supported on the outwardly inclined bearing surfaces on the outer walls of the said spokes.

1,985,750
PREPARATION OF ACETIC ACID
Edward Boaden Thomas, Walter Henry Groombridge, and Horace Finningley Oxley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 15, 1931, Serial No. 563,006. In Great Britain November 26, 1930
8 Claims. (Cl. 260—116)

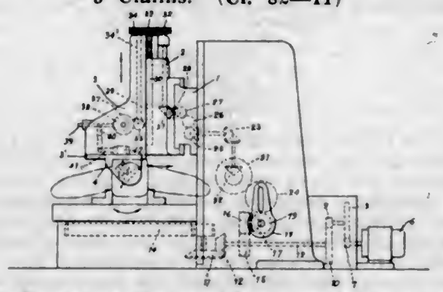
1. The manufacture of acetic acid which comprises the step of oxidizing acetaldehyde with oxygen in the presence of manganic salt initially added as such.

1,985,751
MATCH CASE
Max Vogel, Frankfort-on-the-Main, Germany
Application June 2, 1933, Serial No. 673,957
8 Claims. (Cl. 206—33)



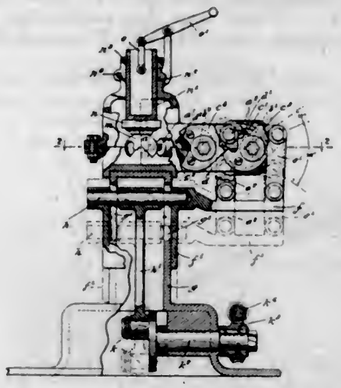
1. A match case for book matches comprising a body portion including a pocket at its lower end having a striking surface exposing aperture therein, a cover hinged to the upper end of said pocket, the lower end of said cover having a projecting surface non-concentric to the hinge axis adapted in one position of said cover to grip the inserted match book between said projection and the body portion.

1,985,752
APPARATUS FOR MACHINING PROPELLER BLADES
Hermann Vogler, Dusseldorf, Germany, assignor to Schiess-Defries Aktiengesellschaft, Dusseldorf, Germany
Application March 16, 1933, Serial No. 661,053
In Germany March 15, 1932
5 Claims. (Cl. 82—11)



1. Apparatus for machining propeller blades by means of a turning tool, comprising a work support mounted for rotational movement, a frame member and a compound tool support carried by said frame member, said tool support consisting of a plurality of relatively movable parts one of which comprises a tool carrier in which is mounted the turning tool, and means for imparting to said work support and to the parts of said tool support co-ordinated movements, the movements of the parts of the compound tool support being effected in a direction parallel with and also at an angle to the axis of the work support whereby the turning tool is caused to produce upon a blade of a propeller mounted upon the work support a surface departing from a helical surface as determined by the extent of movement of the tool in the direction at an angle to the axis of the work support.

1,985,753
MILLING MACHINE
Carl W. Weiss, Brooklyn, N. Y.
Application November 23, 1933, Serial No. 699,305
6 Claims. (Cl. 90—15)



1. In a milling machine, the combination of a milling spindle, means to rotate the spindle, a carrier for the spindle, a bodily movable support on which the carrier is free to oscillate, means to actuate the support, and means to support the carrier at another point with freedom to oscillate on the first named support.

1,985,754
BROILER
Clarence F. Wiley, Norton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts
Application September 25, 1933, Serial No. 690,786
2 Claims. (Cl. 126—41)



1. A broiler equipment for gas ranges having an oven and a broiler burner, said equipment

comprising a broiler having a projecting stub pin fixedly secured to its outer end, and a support for said pin having an opening within it forming a socket for receiving said pin and within which said pin may turn, said socket presenting top and bottom surfaces against which said pin has bearing for supporting the broiler when occupying a position at rest within the oven, said top surface being deeper than said bottom surface whereby the frictional contact between said pin and said surfaces will be sufficient to hold said broiler in a balanced position and prevent its accidental turning when at rest and whereby also said broiler may be turned within the oven and its position reversed by lifting the broiler in an amount sufficient to turn said pin out of contact with said top surface.

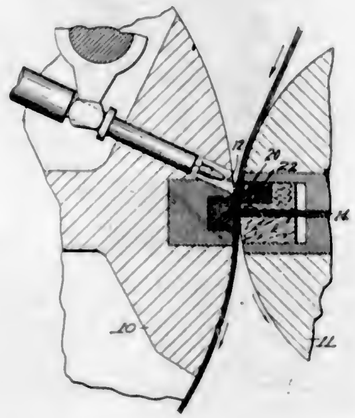
1,985,755

PAPER PIERCING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original application December 18, 1928, Serial No. 326,861. Divided and this application July 3, 1931, Serial No. 548,649. Renewed May 24, 1934

3 Claims. (Cl. 270—45)



1. In a folding couple, the combination with the two cylinders thereof, of impaling pins carried by one of said cylinders, the other cylinder having clearance holes, and yielding means filling the clearance holes in the other cylinder for receiving said impaling pins for the purpose described.

1,985,756

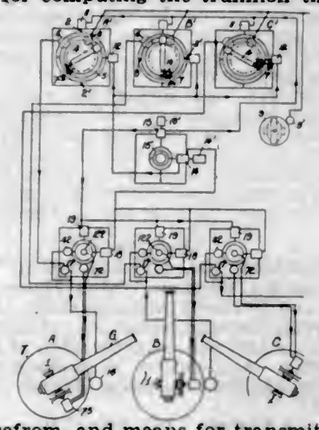
TRUNNION TILT CORRECTOR

Bruno A. Wittkuhns, Summit, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application October 1, 1932, Serial No. 635,734

13 Claims. (Cl. 89—41)

1. In a correction system for multiple battery ships, the combination with a sight for each battery and a common artificial horizon, of a trunnion tilt correction computer for each battery, means on each computer for stabilizing an element of the same from said horizon, means on each computer positioned in accordance with the azimuth position of its connected sight, means on said computer positioned in elevation representing the desired gun elevation, computing means thereon for computing the trunnion tilt correc-



tion therefrom, and means for transmitting corrected bearings to the connected battery.

1,985,757

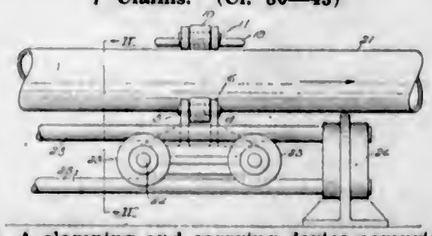
TUBE CLAMPING AND CARRYING DEVICE

Petter B. Abramsen, Dormont, Pa.

Application March 5, 1930, Serial No. 433,314

Renewed May 9, 1934

7 Claims. (Cl. 80—43)



1. A clamping and carrying device comprising a movable body having an upwardly and sidewise extending arm thereon, rotatable means on said body for supporting a tube or round, a second arm pivotally mounted on the first recited arm and having rotatable means attached on one end thereof and means carried by said arms for moving said pivotally attached arm and the rotatable means thereon into and out of clamping relationship relative to said supporting means.

1,985,758

BUTTON

Joseph Barratt, Naugatuck, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application October 20, 1933, Serial No. 694,468

5 Claims. (Cl. 24—95)



1. A button, provided with a back having a depending hub, and an anvil, the anvil having an annular groove of variable radii slanting inwardly toward the center, and a slight inverted conical teat centrally arranged, said button adapted to be set by means of a staple, the legs of which staple are driven through the bottom of the hub and coming into contact with the aforesaid groove are turned inwardly toward the teat and upon further pressure are separated laterally by the teat and inclosed within the hub and anchored upon the material of the hub between the legs of the staple.

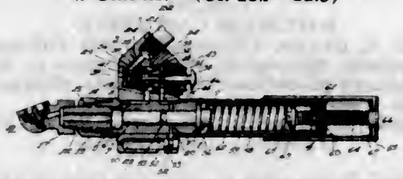
1,985,759

TIRE INFLATING VALVE AND GAUGE

Fred Baumgartner, Chicago, Ill.

Application August 7, 1931, Serial No. 555,737

2 Claims. (Cl. 152—11.5)



1. A tire inflating valve and gauge device comprising a body portion carrying a connecting chuck and having a passage therein leading from a compressed air inlet to said chuck, a normally closed valve in said passage, a portion of said passage constituting a pressure chamber, a signal device mounted on the body and a second passage joining the first named passage between the normally closed valve and the pressure chamber and leading to said signal device, a normally open valve in said second passage so arranged that it is closed when the normally closed valve is opened, means for manually operating said valves, a normally closed valve in said second passage adjacent the signal device, and a pressure responsive element in the pressure chamber arranged to open the last named valve upon accumulation of a predetermined pressure in the pressure chamber.

1,985,760

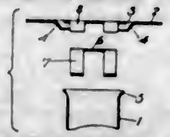
SPOOL AND METHOD FOR ITS MANUFACTURE

Thomas George Baxenden, Watford, and John Robert Collyear, Bushey, England

Application August 21, 1931, Serial No. 558,621

In Great Britain February 26, 1931

3 Claims. (Cl. 242—71)



1. A method of attaching the end flanges to the barrel of a spool, of the type comprising a tubular central barrel and end discs secured thereon, which consists in forming in each end disc a plurality of arcuate slots, arranged in the form of an interrupted annulus, by shearing the end disc along a line which ultimately forms the inner edge of a slot and simultaneously turning back the metal occupying the position of a slot without completely removing any material, inserting the end of the barrel in the curved slots so formed and then forcing back the turned back edges of the slots substantially into their original position in the plane of the disc so as to grip the edge of the end of the tubular barrel between the undeformed part of the end disc and the edges of the slots which have been forced back into position.

1,985,761

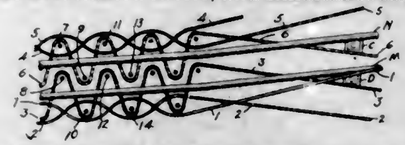
METHOD OF MAKING FRIEZE FABRICS

Whitworth Fontaine Bird, Springfield, Pa.

Application October 14, 1933, Serial No. 693,544

6 Claims. (Cl. 139—21)

1. In the weaving simultaneously of a plurality of superposed frieze fabrics each having ground warps, pile warps and wefts on a double shuttle loom having two sets of pile wires extending longitudinally of the warps, the steps which comprise laying a ground pick in one fabric and simultaneously laying a face weft for forming the frieze loops of the other fabric, changing the warp sheds and laying a pick forming a face weft for forming the frieze loops of the first named fabric, and simultaneously laying a pick forming a ground weft in the second named fabric, the picks forming face wefts being laid between said pile wires, and the pairs of picks laid simultaneously by the shuttles being laid first on opposite sides of one wire and then on opposite sides of the other wire, and so on and the loop-supporting wefts of both fabrics lying in substantially the same plane.



1,985,762

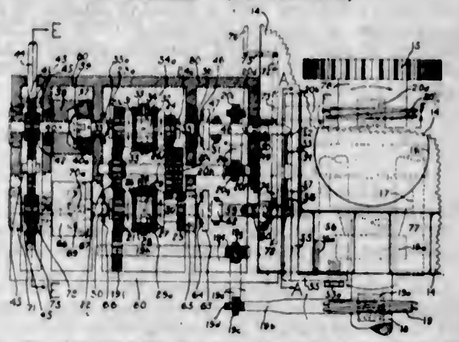
AUTOMATIC POWER-TRANSMISSION SYNCHRONIZER

Reginald Bland, Pasadena, Calif.

Application August 11, 1928, Serial No. 298,934

Renewed April 12, 1933

30 Claims. (Cl. 74—472)



1. In combination, a gas engine, a variable speed transmission, a vehicle propelled by said engine through said transmission, a plurality of differential gears, a plurality of geared driving connections from said engine to driving members of said differential gears, a plurality of geared driving connections from a moving part of said vehicle to the opposing driving members of said differential gears, said pluralities of geared driving connections conforming in their gear ratios to the speed ratios of the said variable speed transmission, a plurality of driving connections from the floating members of said differential gears to the throttle of said engine, and selective means for controlling said throttle by the driving connection from one of said differential floating members.

1,985,763

PROCESS FOR PRODUCING OXYGEN OF HIGH PURITY

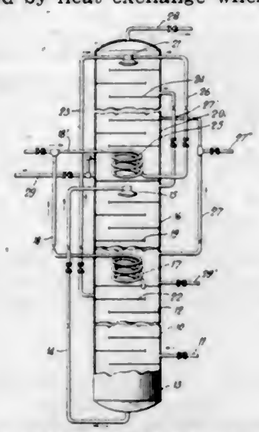
George J. Boshkoff, Buffalo, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application May 18, 1933, Serial No. 671,690

5 Claims. (Cl. 62—175.5)

1. The process of producing oxygen substantially free from undesired materials which com-

prises first producing a liquefied gaseous mixture rich in oxygen together with any undesired high boiling point material present, and then rectifying said liquefied gaseous mixture in two low pressure stages at successively lower pressures, in the first stage of which the liquefied gaseous mixture refluxes vapors of said mixture, which vapors are produced by heat exchange when producing



said mixture, passing solely gas material directly from the first low pressure stage to the second low pressure stage and in said second low pressure stage refluxing with a liquid produced by the liquefaction of vapors remaining from the production of said liquefied gaseous mixture, and collecting oxygen in the liquid phase substantially free from the undesired materials.

1,985,764

COOKING UTENSIL

Albert L. Clapp, Danvers, Mass.

No Drawing. Original application March 12, 1926, Serial No. 94,329. Divided and this application February 21, 1929, Serial No. 341,849

4 Claims. (Cl. 53—6)

1. A cooking utensil formed from a normally inflammable absorptive material rendered resistant to heat at baking temperatures by impregnation with a fireproofing substance which will not exude at baking temperatures and coated on its inner surface with a water resistant material which will penetrate the body of the utensil at baking temperatures.

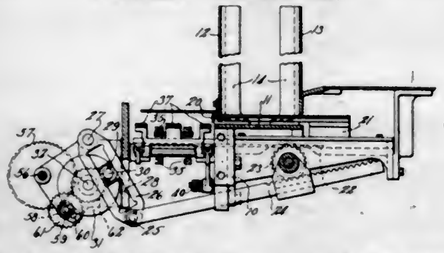
1,985,765

CIGAR FEEDING MECHANISM

Edward F. Cornock, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Application September 11, 1933, Serial No. 688,882

6 Claims. (Cl. 198—24)



1. A cigar feeding device comprising a magazine formed to contain superposed rows of cigars with spacing blocks in certain only of the rows, a plunger movable periodically to shift said rows successively from the magazine, and mechanism automatically operable in timed relation with the plunger on those cycles when a spacing block is fed out with a row to remove said block from the row.

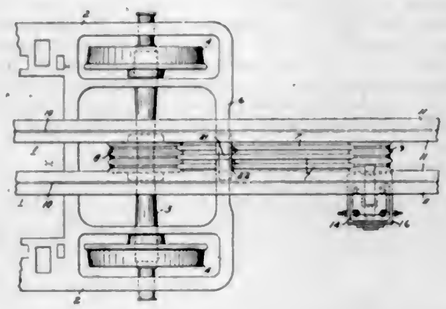
1,985,766

RAILROAD CAR DRIVE

Alfred A. Dahms, Chicago, Ill., and Thomas C. Knudsen, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application June 3, 1931, Serial No. 541,806

15 Claims. (Cl. 105—101)



1. A generator drive for railway vehicles or the like, comprising in combination with a vehicle body and a wheeled truck frame swiveled to said vehicle body, an electric generator pivotally suspended from said vehicle body on an axis extending transversely of said body, said generator being provided with a shaft, a pulley on said shaft, a pulley mounted on an axle of said truck frame, said pulleys each having an annular groove, a flexible belt connecting said pulleys and seated in the grooves thereof, the bottom or belt seating portion of each groove being bounded by oppositely inclined driving surfaces conforming generally to the inclination of the side driving surfaces of the cooperating belt, each driving surface of the grooves terminating in an annular guiding surface of a transverse extent comparable to the transverse extent of the side driving surface of the cooperating belt and which extends outwardly generally in the direction of its corresponding driving surface on which the belt may slide without turning over on its side or climbing out of the grooves when it negotiates the grooves of the pulleys in directions differing substantially from directions at right angles to the axes thereof during rotation of the pulleys.

1,985,767

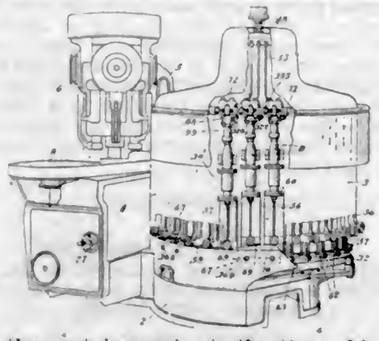
FILLING MACHINE

Louis De Markus, Pittsburgh, Pa., assignor to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application May 8, 1931, Serial No. 535,882

20 Claims. (Cl. 226—98)

1. A filling machine comprising a filling head having a counter-pressure tube arranged to extend into a container, means for supplying counter-pressure therethrough, and means for expelling foam or water from the tube after removal



from the container prior to the time of insertion of the said tube into another container.

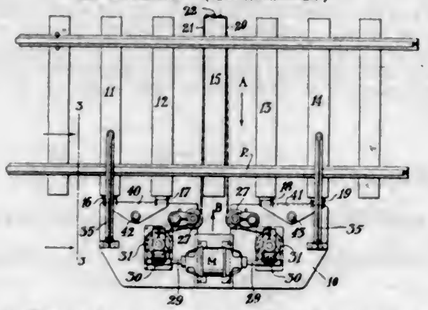
1,985,768

RAILWAY TIE PULLING MACHINE

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application December 19, 1933, Serial No. 703,085

12 Claims. (Cl. 254—43)



3. A device for removing railroad ties in track comprising means for engaging the tie to be removed, means for applying a force to said first means, and means for engaging a plurality of other ties.

1,985,769

MANUFACTURE OF ALIPHATIC COMPOUNDS

Henry Dreyfus, London, England

No Drawing. Application July 29, 1930, Serial No. 471,597. In Great Britain September 6, 1929

8 Claims. (Cl. 260—116)

1. Process for the manufacture of an aliphatic acid, which comprises subjecting the vapor of a primary aliphatic alcohol to reaction with free oxygen in the proportion of at least one molecule of oxygen to each molecule of alcohol in presence of a catalyst mass comprising essentially a compound of an alkaline earth metal and a compound selected from the group consisting of oxides, hydroxides and carbonates of metals whose acetates may be thermally decomposed to yield acetic acid, at a temperature insufficiently high to produce substantial quantities of ketone and lying between 150° and 300° C.

1,985,770

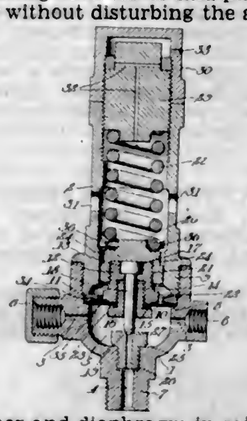
PRESSURE OPERATED VALVE

Frank W. Edwards, Chicago, Ill., assignor to The Ohio Injector Company of Illinois, Chicago, Ill., a corporation of Illinois

Application February 5, 1931, Serial No. 513,706

8 Claims. (Cl. 137—153)

1. In a pressure operated valve, a valve body, an assembly comprising a pin valve retainer, a diaphragm and a pin valve arranged within said body, said retainer being provided with means for carrying said pin valve and diaphragm, said means permitting removal of said pin valve from said retainer without disturbing the arrangement



of said retainer and diaphragm in said body, and said diaphragm being removable from said retainer without disturbing the adjustment of said pin valve in said retainer.

1,985,771

COATED WIRE CLOTH

Arthur Eichengrün, Charlottenburg, Germany, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 19, 1931, Serial No. 569,847. In Germany August 7, 1931

15 Claims. (Cl. 91—68)

1. A composition of matter containing organic derivatives of cellulose and at least one halogenated aliphatic phosphoric ester selected from the group consisting of tribromethyl phosphate trichlorbutyl phosphate.

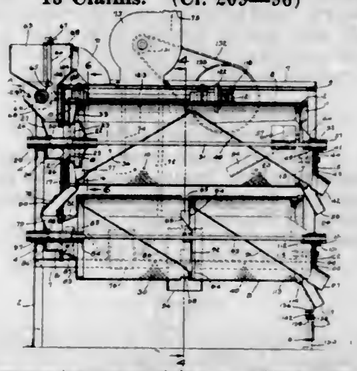
1,985,772

GRAIN SEPARATOR

Marcus A. Erickson and Johannes Groseth, Minneapolis, Minn.

Application January 18, 1932, Serial No. 587,186

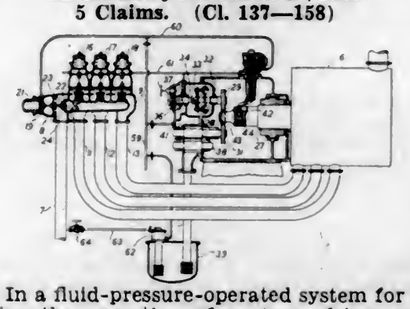
13 Claims. (Cl. 209—96)



1. A separator comprising a cylinder mounted for rotary movement and having its wall surfaces provided with groups of different sized indentations, means for feeding material to said cylinder, a plurality of inclined trough-like members mounted within said cylinder and each aligned with a group of said indentations, and each member being adapted to receive certain materials carried upwardly by the indentations alined therewith, means for independently rais-

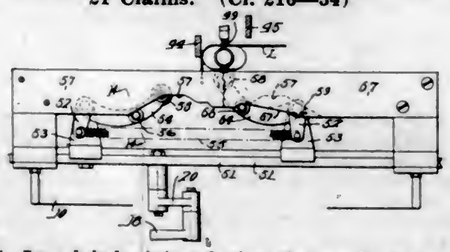
ing or lowering the receiving edges of said members whereby each may be positioned to cause only certain materials to be received therein, and means mounted within one of said members adapted to be positioned to receive elective portions of the material delivered thereto and convey it over said member into a return trough positioned at the opposite side thereof, whereby said elective portions of the material will be returned to the cylinder for further separation.

1,985,773
CONTROL SYSTEM FOR PRIME MOVERS
Paul Faber, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application December 30, 1930, Serial No. 505,614
In Germany December 30, 1929
5 Claims. (Cl. 137—158)



1. In a fluid-pressure-operated system for controlling the operation of a steam-driven prime mover, a steam-driven prime mover, a steam chest connected with said prime mover, regulating valves controlling the flow of steam from said steam chest to said prime mover, a main valve controlling the supply of steam to said steam chest, a pump driven by said prime mover and delivering a fluid under pressure, said valves being opened by fluid pressure supplied thereto from said pump, a fluid pressure relay, a fluid pressure connection to said relay for controlling the fluid pressure supply to said main valve, a second fluid pressure connection to said relay for controlling the fluid pressure supply to said regulating valves, means forming part of said relay and operable to open and close said connections successively, and a centrifugal governor connected with said prime mover, said relay and said governor cooperatively controlling the supply of fluid pressure to said regulating valves.

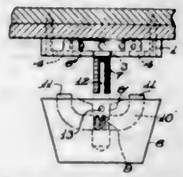
1,985,774
LABELING DEVICE
James O. Fenner, Worcester, and Henry A. E. Sjoberg, Grafton, Mass., assignors to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Application December 12, 1932, Serial No. 646,840
21 Claims. (Cl. 216—54)



1. In a label wiping device, the combination of two movable side members, both pivoted to swing together about a single horizontal axis, one located in advance of the other with respect to their line of motion, and means for swinging them along opposite sides of the article to be labeled.

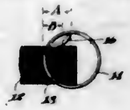
20. A label wiper comprising a head, means for moving said head in a certain direction, a pair of substantially parallel flat side wipers pivoted on said head so as to swing in a direction parallel to the planes of the flat surfaces of the wipers, and yielding means for holding the wipers toward each other.

1,985,775
SHOE CLEAT ATTACHMENT
Michael Goldenberg, Philadelphia, Pa.
Application September 6, 1932, Serial No. 631,866
7 Claims. (Cl. 36—59)



1. The combination with a shoe and a cleat, of means for attaching the cleat to the shoe comprising a rotary member for rotatable mounting on the shoe and for moving said cleat toward said shoe, and locking mechanism responsive to said movement for preventing the rotation of said cleat.

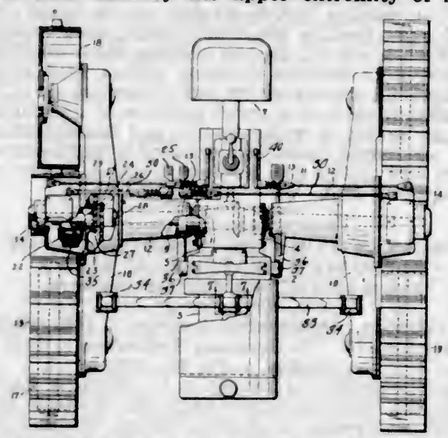
1,985,776
BINDING FOR STACKS OF PAPER OR THE LIKE
Samuel Groener, Paris, France, assignor to Frank Amato, New York, N. Y.
Application June 6, 1933, Serial No. 674,493
3 Claims. (Cl. 281—25)



3. In combination, a plurality of sheets of material in stack formation, a plurality of uniformly spaced, aligned perforations therein, a helical binding element passing through said perforations, and means associated with said binding element to prevent accidental withdrawal thereof from said perforations, said means comprising a portion of the helix deformed from its normal contour so as to extend radially inward from the helix to its axis, and having its terminal portion disposed in adjacency to an inner portion thereof.

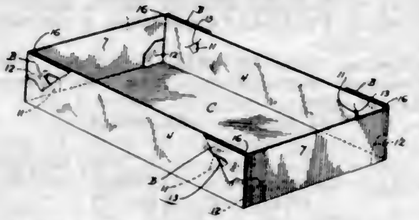
1,985,777
TRACTOR
Rush Hamilton, Piedmont, Calif.
Application December 12, 1930, Serial No. 501,790
4 Claims. (Cl. 180—9.1)

4. A tractor comprising a transversely extending driving axle, a power unit connected to and depending from an intermediate portion of said axle, wheel trucks mounted in depending relation from and for oscillation about the opposite ends of said axle and spaced laterally from said power unit to define between the trucks and unit a pair of vertically extending spaces arranged to span crop rows, tractor wheels carried by said trucks and driven by said axle, and a spring extending transversely of the tractor and having its ends secured to said trucks above said axle and pivotally connected intermediate its ends to said unit above said axle whereby the upper extremity of said



spaces will be at least as high from the ground as said axle.

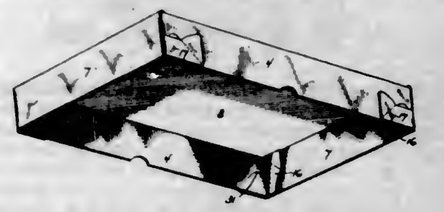
1,985,778
PAPER BOX
Addison N. Himes, Piedmont, Calif.
Application December 30, 1933, Serial No. 704,708
3 Claims. (Cl. 229—31)



1. A box of the character described comprising a bottom member having side and end wall sections connected by integral corner members, each corner member having crease lines formed between it and the side and end sections and a central diagonally positioned crease line, said crease line permitting folding of the corner members to form a double-wall triangular-shaped flap lying exterior to the ends of the side wall sections when the side and end wall sections are folded at right-angles to the bottom member, a tongue formed on one wall of each corner flap and insertable in slits formed in the side wall sections, and a foot brace cut from each corner member and attached to the ends of the side wall sections, said bottom braces adapted to be folded inwardly at right-angles to the side sections to stand parallel with and engage the inner faces of the end wall sections.

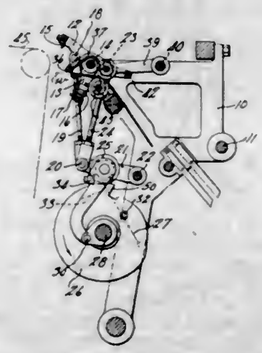
1,985,779
PAPER BOX
Ross A. Himes, Piedmont, Calif., assignor to Addison N. Himes, Oakland, Calif.
Application June 20, 1934, Serial No. 731,404
4 Claims. (Cl. 229—41)

1. A blank for paper boxes comprising a cardboard having creased lines extending longitudinally and transversely thereof to form a bottom section, a pair of sides, a pair of ends, and four corner sections, the crease lines running longitudinally of the blank and parallel to the sides being placed at a point which determines the depth of the box and the crease lines running transversely and parallel to the ends being placed at a point equal to the depth of the box, plus approximately three thicknesses of the board employed, said transverse crease lines crossing the longitudinally extending crease lines and being offset at the point of crossing to give the corner sections a rectangular shape, the length of the rectangle being equal to the depth of the box plus approximately five thicknesses of the board employed and a cut dividing each corner section into two flaps leaving one flap integral with an adjacent side of the box and the other flap integral with an adjacent end of the box.



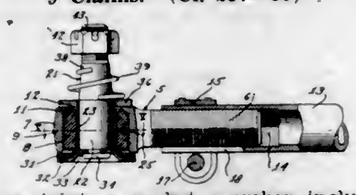
4. In a box of the character described having a cover adapted to telescope over the same, a pair of flaps carried by each end of the box, said flaps being folded to lie exterior of the sides of the box and having their outer ends secured to the sides of the box, the intermediate portions of said flaps being free with relation to the sides of the box and a plurality of flexible tongues cut in the sides of the cover section, one for each flap, said tongues being bendable to snap in under the free portions of the flaps and to form an interlock to secure the cover against removal.

1,985,780
CUTTING MECHANISM FOR BREAD WRAPPING MACHINES
William Hoppe and Norman W. Lyon, Springfield, Mass., assignors to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application November 23, 1932, Serial No. 644,066
13 Claims. (Cl. 164—43)



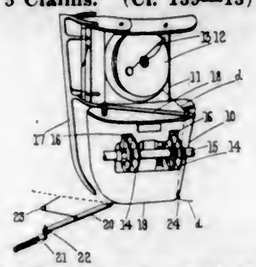
1. Web severing devices comprising a pair of cutter members pivoted upon substantially coincident axes extending across the web, one of the members having spaced portions forming a slot between them into which the other member is adapted to pass, and means for oscillating the cutter members simultaneously in opposite directions upon paths intersecting the line of travel of the web at substantially right angles, so that the cutting edge of one member passes into the slot in the other at the plane of the web and with a motion substantially normal thereto.

1,985,781
JOINT
George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application March 27, 1933, Serial No. 662,960
9 Claims. (Cl. 287—85)



1. In a joint, a socket member including a housing portion having a cylindrical socket therein open at one end, an inwardly extending radial flange on said housing partially closing the other end of the socket, a stud adapted for limited universal movement relative to said socket member and comprising a cylindrical portion disposed within the socket, closure means on said stud for closing the open end of said socket, a metallic bearing fitted on the portion of said stud within said socket, and a resilient bushing disposed under radial compression between said bearing and the inner surface of the socket, said bushing comprising rubber and having an opening bounded by an inwardly convex portion to facilitate the flow of material of the bushing axially along the stud and produce a portion of maximum stress adjacent the mid-point axially of the bushing, decreasing toward the ends.

1,985,782
TEXTILE MACHINERY AND APPLIANCES RELATING THERETO
Joanny Jabouley, London, England, assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application February 7, 1933, Serial No. 655,359
In Great Britain February 11, 1932
5 Claims. (Cl. 139—13)



1. In a loom having warps arranged in a circle, means between which and the warps there is relative motion, said means being so disposed as to penetrate the normal line of the warp threads and, because of the relative motion, to engage and pluck the warp threads in turn, the resultant vibration causing the warp threads to assume an even spacing in the fabric woven in the loom.

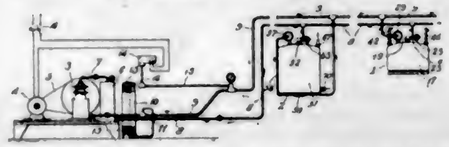
1,985,783
METHOD OF MANUFACTURING LAMINATED METAL BANDS
Franz Jordan, Berlin-Charlottenburg, Germany
No Drawing. Application December 23, 1932, Serial No. 648,645. In Germany November 6, 1932
4 Claims. (Cl. 29—189)

1. A mode of carrying out the method for manufacturing laminated metal bands suited as carriers for speaking films and comprising unwinding from individual spools an iron band serving as core in the laminated band to be made, and two aluminium bands serving as coverings for said core, heating the three bands, and uniting them with one another by welding them together in hot state between pressing rollers, said mode comprising employing for the coverings an alloy of aluminium and a small addition of a precious metal having a white lustre, and transforming the laminated band into foils of a thickness of from 0.03 to 0.05 mm between polished rollers of a polishing mill.

1,985,784
PROCESS FOR THE PRODUCTION OF ALUMINIUM-PLATED ZINC SHEET
Franz Jordan, Berlin-Charlottenburg, Germany
No Drawing. Application January 5, 1933, Serial No. 650,366. In Germany December 8, 1932
3 Claims. (Cl. 29—189)

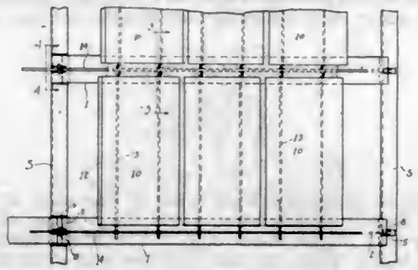
1. The method of increasing the ductility, hardness and diffusing tendency of metal sheets and bands composed of layers welded together by pressure and comprising at least one layer of an alloy consisting chiefly of zinc and at least one layer consisting chiefly of aluminium, said method comprising using for the layer of zinc an alloy containing at least 98% and at the highest 99% of zinc, the rest being aluminium.

1,985,785
REFRIGERATING APPARATUS
Herbert C. Kellogg, Detroit, Mich., assignor to Temprite Products Corporation, a corporation of Michigan
Application June 10, 1929, Serial No. 369,669. Renewed January 4, 1934. In Germany May 19, 1930
14 Claims. (Cl. 62—4)



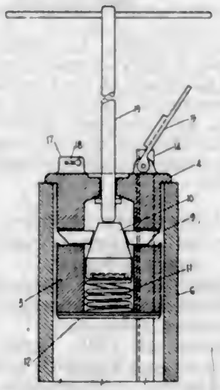
1. In refrigerating apparatus, the combination of means for liquefying gaseous refrigerant comprising a compressor and a condenser; an evaporator having an inlet for liquid refrigerant and an outlet for gaseous refrigerant; a conduit connecting the said inlet to the discharge of the condenser; a second conduit connecting the said outlet of the evaporator to the inlet of the compressor; a valve for controlling the flow of gaseous refrigerant through the second conduit and adapted automatically to cut off said flow when the temperature in the evaporator falls below a predetermined point and to re-establish the flow when the temperature again rises above said point; a chamber for gaseous refrigerant communicating with the second conduit between the said valve and the compressor and having a capacity that is large in comparison with the capacity of the remainder of that part of the low pressure side of the system on the outlet side of the said valve; and automatic means adapted to start the compressor when the pressure in the second conduit rises above a predetermined value below the vapor pressure corresponding to the predetermined maximum temperature of the evaporator and to stop the compressor when the refrigerant pressure in the said second conduit between the said valve and the compressor falls below a predetermined value below the pressure at which said valve operates and substantially lower than the pressure at which the compressor starts.

1,985,786
ROOF AND FLOOR CONSTRUCTION
John V. Kohlhaas, Philadelphia, Pa.
Application September 28, 1932, Serial No. 635,139
2 Claims. (Cl. 72—66)



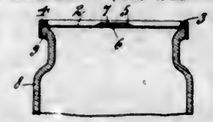
1. A building construction of the character described comprising spaced joists, spaced precast monolithic ribs supported thereby, each rib having a reinforcing rod extending therethrough and projecting beyond its extremity, said rods overlapping the projecting ends of the rods in adjacent ribs, means extending transversely to said rods operative to tie said projecting ends together, a plurality of precast slabs supported on the ribs, a reinforcing rod in each slab projecting beyond the extremities thereof and overlapping the projecting ends of the rods in adjacent slabs, and means extending transversely of said last mentioned rods operative to tie said rods together.

1,985,787
FILL PIPE LOCKING DEVICE
Harry Victor Le Bourveau, New York, N. Y., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 12, 1933, Serial No. 680,159
2 Claims. (Cl. 220—55)



1. In a fill pipe locking device a body adapted to fit the inside wall of a fill pipe, radial bolts provided with sharpened outer ends extending from said body and adapted to contact the inside wall of the fill pipe with said outer sharpened ends, a coned member in contact with the inner ends of said bolts and slidably mounted in the body at right angles to said bolts, a spring pressing upward on the base of said coned member, a keyway in the top wall of said body extending to the top surface of said coned member, a key adapted to fit said keyway by which pressure may be applied to the said coned member to release said radial bolts from contact with the inside wall of said fill pipe.

1,985,788
VACUUM-SEALING OF CANISTER, BOTTLE, JAR, AND LIKE CONTAINER
Edmund Gore-Lloyd, Shepperton-on-Thames, England
Application October 26, 1932, Serial No. 639,693
In Great Britain October 30, 1931
9 Claims. (Cl. 215—37)



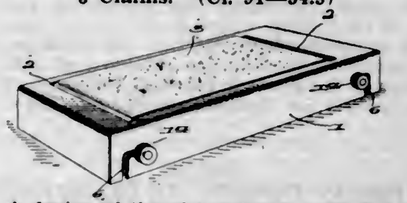
1. As a new article of manufacture, a container adapted to be evacuated and having a punctured wall and an adhesive patch of peelable coherent flexible material closing said puncture, said patch throughout its area being in direct contact with the wall of the container in the immediate vicinity of the puncture.

1,985,789
KNOCKDOWN HOUSE
Ewart H. Lightfoot, Houston, Tex.
Application April 11, 1931, Serial No. 529,358
2 Claims. (Cl. 20—2)



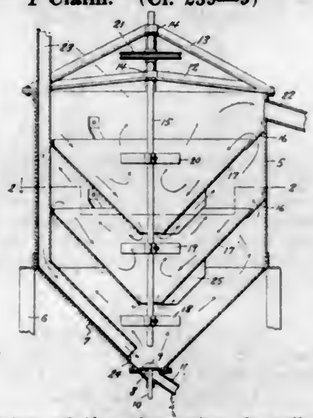
1. A structure having a floor formed of sections, each section having marginal foundation timbers underneath, the said foundation timbers of the adjacent margins of said sections being arranged in abutting relation, bolts securing said abutting timbers together, wall sections on and extended beneath the floor margins and having lower, inside, transverse cleats spaced above the lower ends of the wall sections which rest on the margins of the floor, bolts passing through said cleats and through the floor and foundation timbers underneath and a roof on said structure.

1,985,790
RIBBON PAD
Wilburt F. Maier, Newark, N. J.
Application January 20, 1932, Serial No. 587,776
6 Claims. (Cl. 91—54.5)



1. A device of the character described, including a slotted box or casing in combination with spindles removably journaled within the box or casing, a flexible member having its ends detachably secured to the spindles, and adapted to be threaded through the slots in the box or casing, and to be wound on or off the spindles, and interfitting locking means for positively holding at least one of the spindles against turning in either direction.

1,985,791
AGITATOR
Sidney James McCarroll, Rapid City, S. Dak., assignor of one-half to Edward Birdsall, Deadwood, S. Dak.
Application April 3, 1934, Serial No. 718,861
1 Claim. (Cl. 259—9)



An agitator of the character described comprising a tank having an inlet pipe terminating adjacent the lower outlet end thereof, a plurality of inverted conical shaped baffles in the tank, each baffle being provided with an opening at its apex portion, a vertically disposed shaft in the tank extending through the openings in the baffles, said baffles having their edge portions in vertical spaced relation to each other and spaced from the inside of the tank to provide a by-pass for material being treated in the tank, and an impeller on the shaft below each of the baffles at the apex portion thereof.

1,985,792
CATALYST
Hans Meerwein, Marburg, Fritz Uffers and Rudolf Erbe, Eberswalde, and Franz Aichner and Wolfgang Klaphake, Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application July 2, 1932, Serial No. 620,722. In Germany July 8, 1931
26 Claims. (Cl. 23—237)

1. The method of preparing catalysts adapted for use in the conversion of terpenes comprising acting with a base on a compound belonging to the group of compounds constituted by inorganic acids, inorganic complex acids, inorganic-organic complex acids which combine with terpenes, if at all, only reluctantly, the anhydrids and the salts of such acids which have an acid reaction, to convert such compound into the corresponding salt, removing the base again from such salt, and converting the product thus obtained into the hydrate having the highest catalytic efficiency.

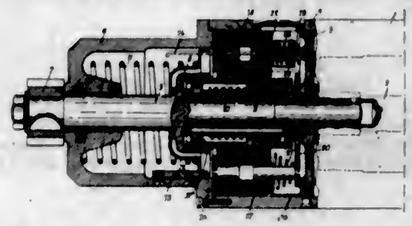
1,985,793
METHOD OF FORMING AN HERMETICALLY SEALED EASY OPENING CONTAINER
Frank J. O'Brien, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 18, 1932, Serial No. 618,047
1 Claim. (Cl. 113—15)

The method of forming an hermetically sealed easy opening container consisting in shaping a body blank so as to provide a projecting tongue thereon, bending the body blank along a line parallel with the upper edge of the blank and intersecting said tongue lengthwise thereof to form an offset in the blank of substantially twice the thickness of the metal, subsequently scoring the blank at each side of said offset and in alignment with the side edges of the tearing tongue and while said blank is flat, double folding said



blank to place the body wall at one side of the fold therein in alignment with the portion of the body wall at the other side of the offset, forming said blank with the fold therein into cylindrical shape and joining the edges by a side seam to form the can body and subsequently joining a can end to the upper end of the can body adjacent the score lines.

1,985,794
ENGINE STARTER
Jean François Gabriel Petit, Paris, France, assignor to Etablissements Labinal, Saint-Ouen (Seine), France
Application March 14, 1933, Serial No. 660,744
In France December 12, 1932
8 Claims. (Cl. 290—38)



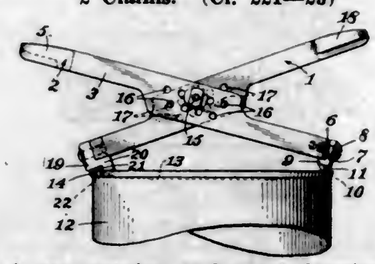
1. In a starting unit, an electric motor, a starting member, a screw connection between said member and the shaft of said motor, and electromagnetic means in the circuit of said motor for pressing on said member in the direction of axial movement thereof due to said screw connection, and for simultaneously braking rotation of said member.

1,985,795
SHEET PILING
Walther Prielipp, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
Application March 24, 1933, Serial No. 662,601
In Germany March 9, 1931
2 Claims. (Cl. 61—60)



1. Sheet piling located on waterways and consisting of I-like planks having two flanges, and lock-parts at the ends of one of the flanges adapted for connecting the single piles parallel to one another, the flange which lies at the outer zone of the piling wall being curved inwardly in a convex form so that the ends of the said outer flange lie behind the wall line even in an oblique position of the piles.

1,985,796
CAN OPENING AND SPOUT FORMING DEVICE
Joseph Howard Renshaw, Cincinnati, Ohio, assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 23, 1934, Serial No. 722,047
2 Claims. (Cl. 221—23)



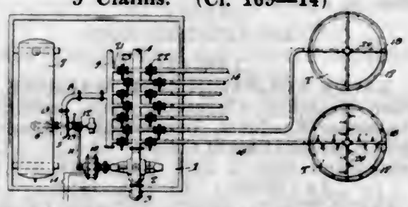
1. A can opening and spout forming device comprising a member adapted to contact with the inner wall of the container end at the double seam, a second member adapted to contact with the wall of the container at the double seam and opposed to the first contact, said second-named member having means for rupturing the container end adjacent the wall of the can body, and means for forcibly actuating said members for forming a laterally projecting pouring spout in the double seam and body wall adjacent the point of rupture.

1,985,797
COMBINATION COMB AND BRUSH
Benjamin Resnick, Brooklyn, N. Y., assignor of one-half to Cecile Morsy, Brooklyn, N. Y.
Application September 11, 1933, Serial No. 688,997
1 Claim. (Cl. 132—88)



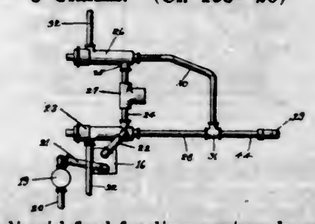
An attachment for combs comprising spaced members, tufts of bristles carried by said members to form brushes, connecting elements positioned between and frictionally engaging pairs of teeth of a comb and having eyes to receive said members for supporting the brushes at opposite sides of the comb, and a rigid head connecting said members and positioned outwardly and in engagement with an end tooth of the comb.

1,985,798
FIRE PROTECTION APPARATUS
William Richter, Miami, and Peter Fray, Tampa, Fla.
Application May 14, 1932, Serial No. 611,406
5 Claims. (Cl. 169—14)



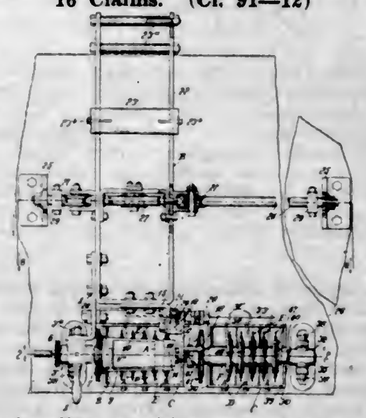
2. A fire protection apparatus comprising means to store chemical solution, a plurality of liquid conducting pipes, spray means associated with said conducting pipes, a source of water supply, a water supply connection to each of said conducting pipes, connections from said chemical storage means to each of the conducting pipes beyond the water supply connections, individually operable valves located in each of the water supply connections and each of the chemical connections to each of said liquid conducting pipes; and means to place the water and chemical solution as supplied under pressure.

1,985,799
OIL BURNER
Frederick W. Scheifele, Audubon, N. J.
Application April 23, 1932, Serial No. 607,141
5 Claims. (Cl. 158—28)



2. In a liquid fuel feeding system having a fuel injector arranged to deliver fuel under pressure to a combustion chamber, a pressure fuel feeding means, means for delivering fuel at different pressures from said feeding means to said injector, said last means including a pair of valve units, each unit having pressure actuated fuel feed and by-pass valves therein, said fuel feed valves being connected in parallel with said injector, and a valve controlling the flow of fuel to one of said units.

1,985,800
BANDING MACHINE
Harold R. Schutz, Ottawa Hills, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 8, 1932, Serial No. 627,902
16 Claims. (Cl. 91—12)

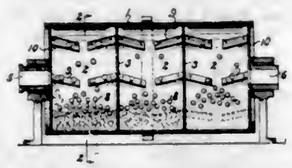


1. A banding machine comprising a chuck adapted to rotatably support an article, a plurality of paint reservoirs, a plurality of series of paint applying discs adapted to rotate against said article and in said reservoirs, and a carriage vertically pivotal and horizontally movable on which said chuck is mounted whereby said chuck can be moved successively to points adjacent each series of discs and against the discs of such series.

1,985,801
BALL OR TUBE MILL
Joseph Sheehan, Cnarbon, Australia
Application December 7, 1933, Serial No. 701,381
In Australia September 19, 1932
5 Claims. (Cl. 83—9)

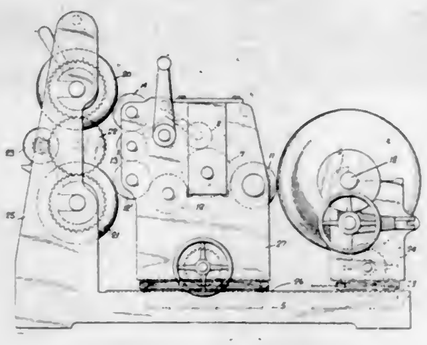
1. A ball or tube mill comprising a rotatable chamber to which material to be pulverized is

feedable and from which pulverized material is deliverable the said chamber also carrying a plurality of metallic balls, and a series of angular vanes on the peripheral interior of said chamber which are disposed in spaced rows and in oppositely inclined positions and set to provide a space



between their contiguous ends whereby they will be adapted to positively and independently lift said balls and to permit their rolling and falling therefrom through the space provided between their contiguous ends on to material in the said chamber for the pulverization of said material.

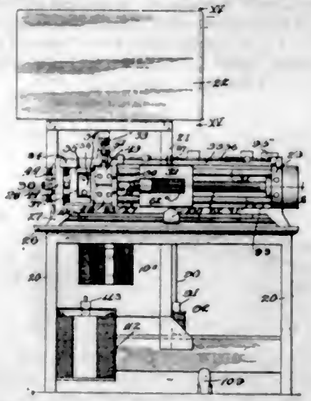
1,985,802
TRANSFERRING APPARATUS
Joel F. Sheppard, Dover, N. H., assignor to U. P. M. Kidder Press Co. Inc., Dover, N. H., a corporation of Delaware
Application December 13, 1932, Serial No. 647,002
3 Claims. (Cl. 242—55)



1. A transfer apparatus including means for operating upon material, a delivery roll, a receiving roll, means for fixedly supporting such receiving roll against other than rotating movement, material operating means and means for supporting said operating means to reciprocate with respect to said receiving roll, whereby to substantially constantly support the material in its movement from one roll to the other.

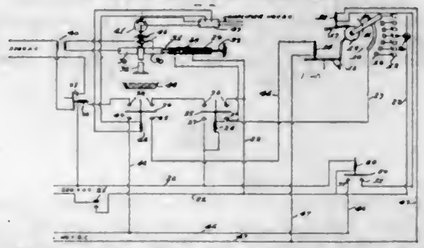
1,985,803
ELECTRIC METAL GATHERING MACHINE
William H. Spire, Cleveland, Ohio, assignor to Thompson Products, Inc., a corporation of Ohio
Application November 18, 1927, Serial No. 234,159
Renewed September 27, 1930
65 Claims. (Cl. 219—3)

1. In a device of the class described, an upsetting die, a yieldingly mounted carriage therefor having a limited range of movement, an electrode clamp adapted to permit a rod to be fed therethrough, means for feeding said rod through said clamp into contact with said die, a transformer having its terminals connected to said die and said clamp, and means actuated by the move-



ment of the die carriage for controlling said feeding means.

1,985,804
VALVE TIP HARDENING MACHINE AND METHOD
William H. Spire, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application September 12, 1931, Serial No. 562,482
2 Claims. (Cl. 148—10)

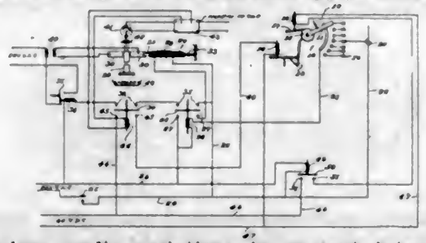


1. The method of heat treating automotive engine valve stems of which the tip thereof is part of an electric heating circuit to produce cycles of heating of high intensity and diffusion of heat in the tip during the heat treatment, which comprises the steps of applying timed and alternating applications of current of one intensity and then of another intensity through the metal in rapid succession to produce periods of heating and of heat diffusion in the tip by means responsive to predetermined and alternating changes of temperature of the metal, and for a predetermined number of cycles.

1,985,805
VALVE TIP HARDENING MACHINE
William H. Spire, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application May 9, 1933, Serial No. 670,157
13 Claims. (Cl. 219—11)

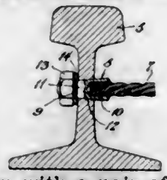
7. In combination, spaced electrodes for clamping material to be heated, heating current supply circuits including switch means connected to said electrodes, means to define spaced current paths of relatively high current intensity through the material, said means comprising spaced conducting fingers on the clamping face of said electrodes, means to produce periodic variations in the current intensity whereby the heated material is alternately subjected to relatively high heat

transfer along spaced parallel paths and diffusion of heat at a substantially uniform level, said means comprising temperature responsive means responsive to the temperature of the heated material cooperable with said supply circuits to



produce cyclic variations in current intensity, and means cooperable with said temperature responsive means to interrupt the current supply circuits upon the termination of a number of cyclic variations in the current intensity.

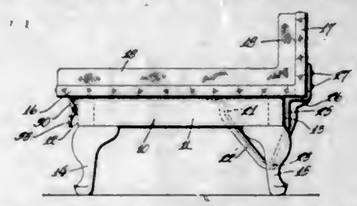
1,985,806
RAIL BOND
William E. Wolfe, Dante, Va.
Application October 10, 1932, Serial No. 637,132
1 Claim. (Cl. 173—280)



In combination with a pair of rails each having a tapered bore in the web near one end, a rail bond comprising a conductor and a connector secured to each end of the conductor; each connector having a screw-threaded end; a nut on said screw-threaded end and adapted to bear against the rail web when tightened; each connector having a shank which tapers toward said screw-threaded end; each tapered shank having a socket whose diameter nearly equals the diameter of the tapered shank at its narrowest point so as to provide a relatively thin wall; said socket being of such length that part of it is within the confines of the said web when the connector is in position; said conductor having both ends in the sockets and being gripped by the flexing of said relatively thin walls under the wedging action of the tapered bore, when said nut is drawn up tightly.

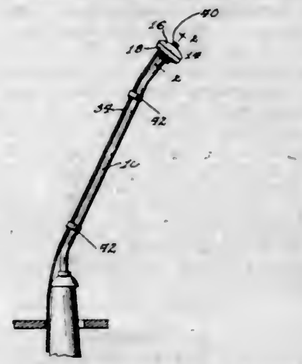
1,985,807
CONVERTIBLE REST
Edward S. Steigerwald and Albert P. Steigerwald, Cleveland, Ohio
Application June 23, 1932, Serial No. 618,866
3 Claims. (Cl. 155—169)

1. A foot and leg rest, comprising: a base member having an elevated supporting surface; a foot and leg supporting member adapted normally to rest upon said base member in a substantially horizontal position and adapted by manual manipulation to be moved from said position; lever means; means rigidly connecting one end of said lever means to said supporting member; and means pivotally connecting the opposite end of said lever means to a predetermined part of said base, said lever means, when said supporting member is manipulated, operating to effect lifting of said supporting member from its position of rest on said base member and simultaneously to effect shifting of the same edgewise toward the marginal edge of said base member



to a position inclined with reference to the horizontal.

1,985,808
GEAR SHIFT LEVER HORN BUTTON SYSTEM
Jay A. Sulter, Washington, D. C., assignor to Richard B. Griffin, Washington, D. C.
Application June 29, 1933, Serial No. 678,274
3 Claims. (Cl. 200—59)

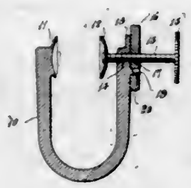


1. A circuit controller comprising a conductive cylindrical cap engageable over the end of a gear shift lever, a contact integrally connected with said cap and projecting centrally therefrom, a substantially cylindrical casing member of insulating material enveloping said cap and being apertured for the projection of said contact therethrough, a spring member extending across said contact in normally spaced relation thereto and secured to one side of said casing member, a substantially semispherical insulated shell integrally connected with said casing member, said shell having its periphery disposed in a plane spaced away from the plane of the terminus of said casing member, a coacting shell connected with the aforesaid shell, a depressible button in said coacting shell aligned with said spring member and above said contact, a conductor forming one side of an electrical circuit connected with said spring member, said button operating to press said spring member into engagement with said contact for establishing a circuit through the said contact, cap and gear shift lever.

1,985,809
LOSS-PREVENTING EARRING
Paul Timen and Joseph Acito, New York, N. Y.
Application October 18, 1934, Serial No. 748,900
2 Claims. (Cl. 63—14)

1. In combination, a threaded stem, a member in which said stem is screwed, a pin projecting from said member, a jam nut threaded on said stem and having an arcuate slot therein receiving said pin to limit the relative movement of the nut and member, the slot being of the same width as

the diameter of the pin to provide for frictional engagement between the pin and the side walls of



the slot to hold the nut in adjusted positions relatively to the member.

1,985,810
PREPARATION OF SUPERPHOSPHATE
Edward Hyatt Wight, David L. Anderson, and William N. Watmough, Jr., Baltimore, Md.
No Drawing. Application April 18, 1932, Serial No. 606,074
9 Claims. (Cl. 71—7)

1. A process of manufacturing superphosphate which comprises nodulizing a plastic mass of phosphate rock and acid in a rotary container while applying heat to the mass and permitting the reaction to continue to a point short of that desired, allowing the nodulated product to cure for a period of time sufficient to insure a substantial conversion and a good mechanical strength, and then heating the product in a rotary dryer at a temperature and for a period of time sufficient to reduce the water content below four percent.

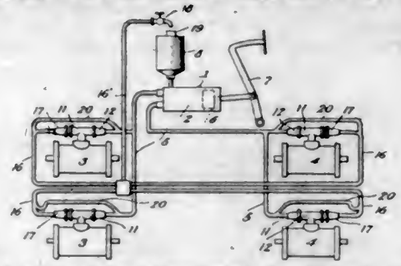
1,985,811
PAN LIFTER
August Asplund, San Francisco, Calif.
Application October 28, 1933, Serial No. 695,691
1 Claim. (Cl. 294—29)



In a device of the character described, a handle, a finger pivoted to said handle, ratchet teeth formed on said finger and concentric with the pivot thereof, a latch engaging said ratchet teeth, spring means to force said latch against said ratchet teeth at a point offset from said pivot and in a direction to cause rotation of said finger, a pair of offset tines secured to said handle and underlying said finger whereby a dish may be supported on said tines and engaged by said finger.

1,985,812
HYDRAULIC BRAKE
Joseph John Banas, Niagara Falls, N. Y.
Application June 15, 1932, Serial No. 617,417
1 Claim. (Cl. 60—54.5)

A hydraulic brake system including auxiliary cylinders having pistons for operating brakes and a master cylinder provided with a master piston adapted to be reciprocated for applying and releasing the brakes, fittings connected to the auxiliary cylinders, pipes connecting the fittings to the master cylinder, bleed tubes connected to said fittings, check valves between said fittings and bleed tubes, bypass pipes connecting the first-named pipes to said tubes, a single bleed tube con-



nected to the first-mentioned bleed tubes, and a valve for opening and closing the single bleed tube.

1,985,813
DRAIN CLEANER
Henry Baden, Cape Girardeau, Mo.
Application May 10, 1934, Serial No. 724,999
4 Claims. (Cl. 285—44)

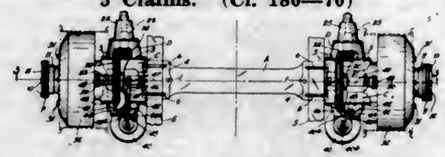


1. A device of the class described having a flexible hose, means at one end thereof for attachment to a spigot, a coupling at the other end thereof, an outlet nozzle secured to said coupling, a head on said nozzle, a supplemental nozzle adapted to extend into an outlet of materially larger cross sectional area than the supplemental nozzle, connected to the first mentioned nozzle, a hook on the supplemental nozzle to engage the spider in said outlet, and compressible material at a distance from said hook engageable with said head and about the outlet, said material being compressible to an extent to permit operative attachment and detachment of the hook and the spider through tilting of the head and connected parts.

1,985,814
COPPER BASE ALLOY
Robert F. Bolam, Tampa, Fla.
No Drawing. Application May 17, 1934, Serial No. 726,171
1 Claim. (Cl. 75—1)

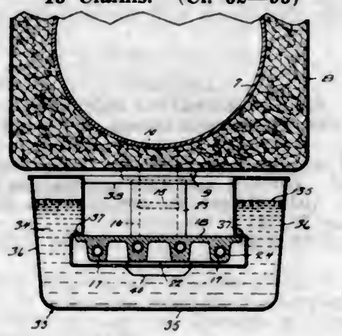
A metallic composition consisting of an alloy of copper one hundred pounds, tin eighteen and one-half pounds, iron six and three-quarter pounds, lead eight ounces, zinc eight ounces, nickel six ounces, vanadium two ounces, tungsten two ounces, molybdenum two ounces, which has been treated while in a molten condition by the addition of potassium cyanide one ounce, arsenic two ounces, and phosphorus approximately one ounce after which the molten material is agitated and the slag and impurities are skimmed off.

1,985,815
AUTOMOTIVE DRIVING AXLE
Laurence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 10, 1932, Serial No. 646,612
5 Claims. (Cl. 180—70)



1. An automotive driving axle construction comprising a fixed axle, duplicate housings mounted on the ends of said fixed axle, the inner ends of the respective housings being integral with the bodies thereof, duplicate axle shafts mounted in the respective housings, interchangeable sets of bevel gearing mounted in said housings for driving the axle shafts therein, the drive gears of both sets operating in the same direction, each of said housings having openings in its opposite walls through which the set of bevel gearing therefor may be inserted in and removed from said housing, and a carrier for said set of gearing adapted to be secured to either of said walls to close the opening therein.

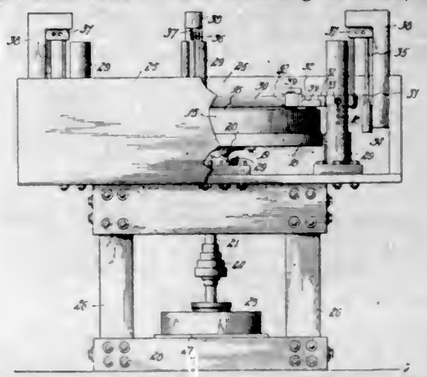
1,985,816
COOLING UNIT FOR REFRIGERATING MACHINES
Lee S. Chadwick, Shaker Heights Village, and Marc Resek and Theodore B. Focke, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application April 20, 1933, Serial No. 667,014
15 Claims. (Cl. 62—95)



1. An evaporator for refrigeration apparatus comprising a distributing head, tubing in looped form communicating therewith and extending therefrom in a substantially horizontal plane, said tubing being solely supported by said head, and a rigid body of metal encasing the tubing and the portion of the head wherewith it communicates, the same serving as a shelf for the support of an object to be chilled.

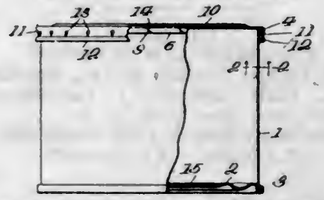
1,985,817
MICROSCOPIC SLIDE EDGING AND SMOOTHING MACHINE
Stephen Celinski, Buffalo, N. Y.
Application July 6, 1933, Serial No. 679,232
5 Claims. (Cl. 51—125)

1. A machine for smoothing the edges of glass plates or microscopic slides comprising a revolving abrading element mounted horizontally to present a flat grinding surface, and a stationary gauge device mounted above the abrading element and consisting of a frame, arms projecting outwardly therefrom, spaced apart fingers projecting from the arms in the opposite direction from the rotation of the abrading element, and



posts bifurcated at their upper ends to receive the arms for adjustable sliding movement therein; together with means for counterbalancing the gauge device, and boxes carrying the glass plates and adapted to fit between the fingers of the gauge device.

1,985,818
SHEET METAL CONTAINER
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 27, 1933, Serial No. 677,923
4 Claims. (Cl. 220—60)

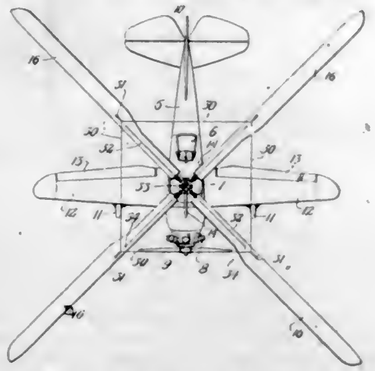


1. A metal container comprising a body portion having an outwardly projecting hollow bead at the upper end thereof, a closure end for said body portion extending over the hollow bead and having a depending flange extending beneath said hollow bead on the container body, the lower portion of said flange being rolled outwardly into a hollow bead, said flange being dimensioned so that the inner diameter thereof in the region of the hollow bead is less than the outer diameter of the hollow bead on the container body, said hollow bead on the container body having slits formed in the outer wall thereof extending from the lower edge of the hollow bead to a point adjacent the crown of the hollow bead.

1,985,819
SUSTAINING ROTOR FOR AIRCRAFT AND METHOD OF MAKING SAME
Juan de la Cierva, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application July 15, 1932, Serial No. 622,635
12 Claims. (Cl. 244—19.2)

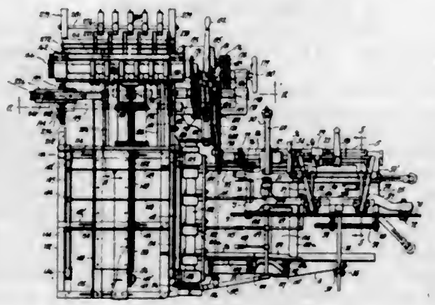
2. For rotative-winged aircraft, a sustaining rotor mounted so that it may be normally rotated by relative air-flow in flight and including a hub rotatable about an upright axis, a sub-

stantially-elongated sustaining wing mounted thereon in position to rotate about the axis thereof, said rotor having means providing for individual wing-swinging movements or oscillations about an axis other than the rotational axis, said wing having its center of gravity at such distance from the rotational axis as to normally substantially limit the deviations of the wing, from its normal mid-position, under the



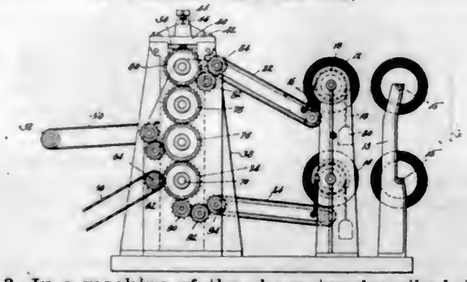
action of flight forces, and said wing axis being offset, longitudinally of the wing, from the rotational axis to such a proportion of the distance of the wing's center of gravity from the rotational axis that the rotational period of the rotor and the basic wing-swinging period, throughout the normal range of rotor speeds in flight, are out of basic resonance, whereby an abnormal or excessive deviation, particularly of a periodic or synchronous nature, is avoided.

1,985,820
TRIMMER AND SLITTER
Merton L. Dodge, Seattle, Wash., and Ed Laxo, Oakland, Calif., assignors to Continental Can Company, Inc., New York, N. Y.
Application September 9, 1932, Serial No. 632,460
21 Claims. (Cl. 164—62)



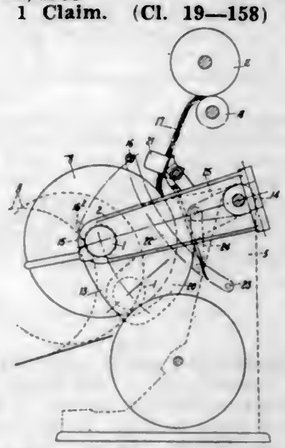
16. A sheet trimmer and slitter comprising a pair of arbors with a series of cutting rolls arranged thereon in cooperating relation, means for delivering sheets of material in succession to said rolls to be cut thereby into strips of equal width, a second pair of arbors, a series of cutting rolls arranged cooperatively thereon, a guideway arranged to receive the strips as delivered from the first series of cutters, means for advancing the strips in succession along the guideway to the second series of cutters and for passing them through the cutters parallel with the arbors whereby the strips are cut into pieces of equal length.

1,985,821
MACHINE FOR FORMING RUBBER ARTICLES
Samuel B. Field, Holbrook, Mass., assignor to Archer Rubber Company, Milford, Mass., a corporation of Massachusetts
Application October 6, 1932, Serial No. 636,527
3 Claims. (Cl. 164—28)



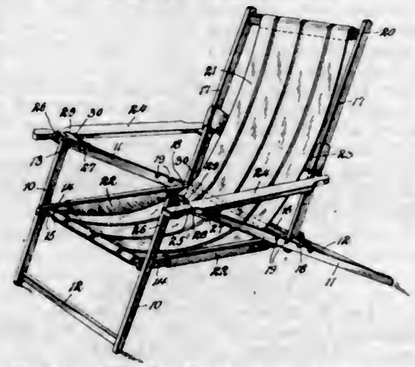
3. In a machine of the character described, in combination, a frame provided with two vertically arranged guideways, a set of four rolls slidably mounted in said guideways, means for adjustably regulating the pressure between said rolls, one of the two middle rolls being provided with a cutting member and also with a seaming member, the other middle roll being smooth, serving as a bed roll for the first middle roll, the end roll adjacent the first-mentioned middle roll being provided with a slot shaped to conform to and adapted to receive the seaming member upon the first middle roll, whereby to render the seaming member inoperative upon a rubber sheet passing between the first middle roll and its adjacent end roll, the second end roll adjacent the second middle roll being provided with a cutting member, and means for feeding separate sheets of rubber between each middle roll and its adjacent end roll, and thereafter between the middle rolls, whereby to effect the severance of the rubber articles from the sheets and the seaming together thereof.

1,985,822
SLIVER BALLING MACHINE
Gordon Fraser, Norman Fraser, and John Fraser, Arbroath, Angus, Scotland
Original application June 1, 1933, Serial No. 673,892. Divided and this application November 22, 1933, Serial No. 699,250. In Germany January 12, 1933
1 Claim. (Cl. 19—158)



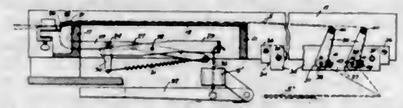
A sliver balling machine comprising retractable arbor sections on which the ball is wound, a hinged cross-bracket, arms pivoted to said cross-bracket and carrying said arbor sections, said arms being jointly movable about a common axis parallel with the axes of said arbor sections, non-rotatable cheek-plates fixed to said cross-bracket and embraced by said arms, said cheek-plates being relatively immovable but being arranged to rise and fall together with said arbor sections, said cheek-plates serving to confine the ball during its formation and releasing the ball on retraction of said arbor sections, an arm unitary with said cross-bracket, an ejector for ejecting the finished ball from between said cheek-plates, and link and lever mechanism connecting said ejector to said arm.

1,985,823
BEACH CHAIR
Harry A. Freedman, New York, N. Y.
Application August 27, 1934, Serial No. 741,667
5 Claims. (Cl. 155—118)



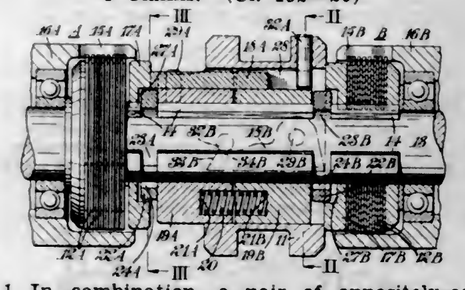
1. A chair of the kind indicated comprising pivotally connected front and rear legs, pivotally connected back and seat frames of which the latter at the forward end is pivotally connected with the front legs, adjustable connections between the rear legs and the seat and back frames to provide an initial inclination of the back frame, arms pivotally connected with the back frame, foldable extensible connections between the arms and certain of the legs to provide for a quickly attained reclining position of the back frame, and means to render the extensible connections inoperative.

1,985,824
RECORD STRIP ALIGNER FOR WRITING MACHINES
Louis Fred Hagemann, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application June 18, 1931, Serial No. 545,174
22 Claims. (Cl. 197—133)



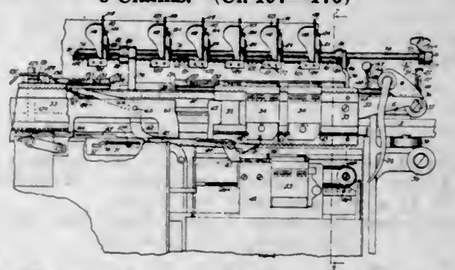
1. In a record machine, in combination, a strip aligning member mounted for strip-engaging strip-aligning movement, a strip restraining device positioned in the strip path forwardly of said aligning member and a second strip-restraining device positioned in the strip path rearwardly of said aligning member, and means automatically controlled by strip tension for releasing one of said restraining devices when strip tension exceeds a predetermined value and for setting it in strip restraining condition upon lowering strip tension.

1,985,825
DISK CLUTCH
Herbert Thomas Harrison, Coventry, England, assignor to Alfred Herbert Limited, Coventry, England
Application November 9, 1933, Serial No. 697,341
In Great Britain July 19, 1933
3 Claims. (Cl. 192—20)



1. In combination, a pair of oppositely-arranged clutches, actuating means therefor, slidable supports carrying said actuating means and arranged adjacent one another between the clutches, springs biassing said slidable supports apart, and means located with respect to one of said supports and slidably co-operating with the other so as to give an indication of the spacing between said supports when a clutch is engaged.

1,985,826
TYPEWRITING MACHINE
Frederick A. Hart, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application April 22, 1929, Serial No. 357,135
5 Claims. (Cl. 197—176)



1. The combination of a typewriter carriage, manually controlled carriage releasing members carried thereby, a tabular stop on the frame of the machine, a plurality of key controlled column selecting stop members carried by the carriage, a rock shaft which extends longitudinally of the carriage and is rocked by an operation of any of said column selecting members, means for supporting said rock shaft intermediate the ends thereof as well as near its ends and means on said rock shaft which coact with said carriage releasing members to release the carriage.

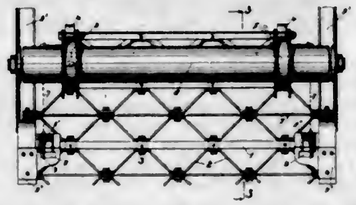
1,985,827
POULTRY FEEDER
Clarence Elliott Hedrick, Newton, Kans.
Application October 2, 1933, Serial No. 691,877
1 Claim. (Cl. 119—61)



A poultry feeder comprising a single sheet of pliable material having cuts at the ends thereof

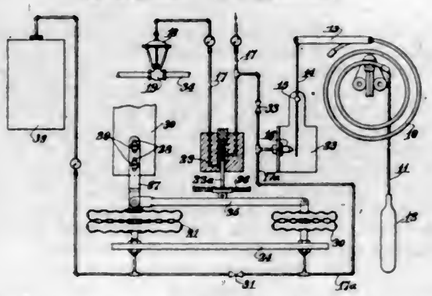
and scores and foldable at the scores to form a bottom portion, side walls hinged thereto, slanting roof portions hinged to the side walls and having feeding openings, ridge portions hinged to the roof portions, said ridge portions being secured together to form a thin perpendicular ridge, and end portions hingedly connected with said bottom, side and roof portions, and foldable to completely close the ends of the feeder.

1,985,828
PROTECTIVE ROLLING SCREEN FOR WINDOWS, DOORS, AND THE LIKE
Adolf Himmelmann, Dortmund, Germany
Application June 23, 1930, Serial No. 463,209
In Germany June 25, 1929
3 Claims. (Cl. 189—56)



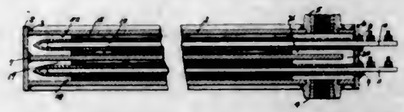
1. A rolling screen for windows, doors, and the like, comprising a plurality of partly rectilinear grid-like cross members extending parallel to the rolling axis, a plurality of jointed connecting members extending at right angles to the cross members, and a plurality of links, a number of said cross members consisting of flat bars which are disposed edgewise to the plane of the screen and jointed to each other by said links in such a manner that the ends of the links pass through corresponding openings in the flat bars of the cross members and are offset.

1,985,829
REGULATOR
Karl H. Hubbard, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application November 7, 1930, Serial No. 494,179
20 Claims. (Cl. 236—82)



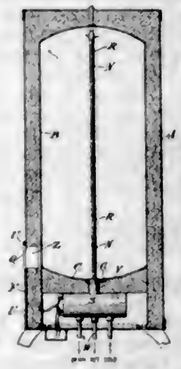
1. In apparatus of the character described, a pressure fluid conduit, a valve controlling the conduit, a plurality of means responsive to conditions to be controlled for jointly actuating the valve to vary the pressure in the conduit in proportion to a change in the said conditions, one of said means having a relatively small but immediate effect upon the valve and another of said means being responsive to said pressure variation and having a relatively large effect upon the valve, and means for delaying the action of said last-mentioned means.

1,985,830
APPARATUS FOR TREATING FLUID MEDIUMS
Lee Powers Hynes, Albany, N. Y.
Application October 1, 1929, Serial No. 396,590
37 Claims. (Cl. 219—39)



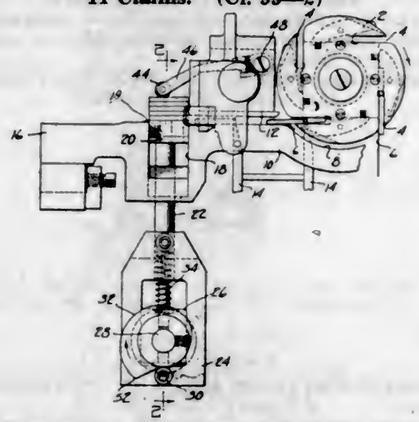
1. An apparatus for heating fluids comprising a closed chamber having an inlet and an outlet, flat surfaced heater members located within said chamber, means cooperating with said heater members to divide the chamber into an unrestricted continuous channel connecting said inlet and said outlet, said channel being formed with a plurality of convolutions of uniform cross section, which cross section is very wide as compared to its depth, so that the fluid is caused to flow in a thin sheet-like stream through said channel, said heater members being so constructed and arranged with respect to said channel that they respectively present but one heated surface to the fluid stream as it travels through each convolution, whereby the tendency to overheat and burn the fluid is minimized.

1,985,831
ELECTRIC HEATER
Lee P. Hynes, Philadelphia, Pa.
Application January 29, 1932, Serial No. 589,735
19 Claims. (Cl. 219—38)



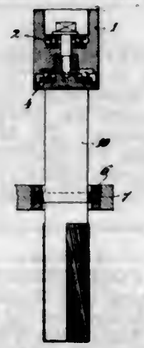
1. An electric heater comprising a tank, an external chamber located below said tank, a flat cell supported by the wall of said chamber and having an outer end open to the atmosphere, said cell being extended horizontally into said chamber with its side surfaces disposed vertically, the cell being so constructed and arranged that convection current flow within said chamber will travel transversely of and approximately parallel with the wider surfaces of said cell and will expose to the erosive action of such current flow a maximum heating area for a minimum distance of current travel, whereby deposited accumulation is confined to a narrow edge of each pocket, and an electric heater unit insertible into and removable from said cell through the open end of the latter, said unit having terminals insertible and removable therewith, and means establishing fluid communication between said tank and said chamber.

1,985,832
GUM WRAPPING MACHINE
Albert Kneaskern, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application March 15, 1932, Serial No. 598,927
11 Claims. (Cl. 93—2)



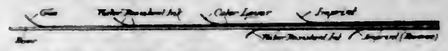
1. In a gum wrapping machine of the type described having mechanism for placing a label about the individual pieces of gum from which mechanism the pieces are fed edgewise successively over a table and then arranged in stacks, the improvement which comprises a support for successively receiving the pieces from the table, means for lowering the support with relation to the table as the pieces are delivered thereto whereby the pieces are received on said support one upon the other, and means for raising said support together with a stack of gum thereon a predetermined distance with relation to the table when a predetermined number of pieces have thus been stacked thereon.

1,985,833
METHOD OF MAKING GROOVED SLEEVES
Hugo Lampart, Baden, Germany, assignor to Berlin-Karlsruher Industrie-Werke A. G., Karlsruhe, Germany
Application December 14, 1931, Serial No. 581,046
In Germany December 20, 1930
1 Claim. (Cl. 205—8)



A method for producing spinning bobbins particularly for the artificial silk industry comprising placing a cylindrical tube having a smooth inner wall on a smooth and axially freely-rotatable mandrel and forcing the tube through a draw ring having internal helical ribs to form helical longitudinal grooves on the outer wall of the tube.

1,985,834
STAMP, ETC.
Jay B. Lawrence, Glen Ellyn, Ill., assignor to American Decalcomania Co., Chicago, Ill., a corporation of Illinois
Application February 23, 1934, Serial No. 712,635
4 Claims. (Cl. 91—67.95)



1. A stamp or the like comprising: a paper strip, a layer of water-soluble adhesive thereon, a water-impervious layer over all but a few portions of said adhesive, a covering layer concealing said adhesive and water-impervious layer, and an imprint on said covering layer, said adhesive portions not covered by the water-impervious layer indicating, when the adhesive is dissolved and frees the layer portions thereabove from the paper strip, cancellation or voiding of the stamp.

1,985,835
EXTENSIBLE BUCKLE
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, a corporation of New Jersey
Application February 16, 1932, Serial No. 593,292
11 Claims. (Cl. 24—71)

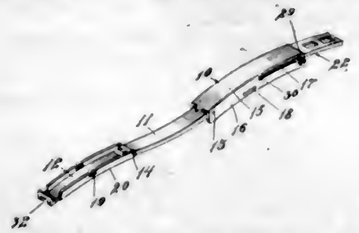


8. In an extensible buckle, in combination, a housing link member having a substantially flat top and portions along the longitudinal sides thereof and extending below said top, a sliding link member slidably retained within said housing link member and having its longitudinal edge portions in substantial engagement with said side portions of said housing link member so that it may be extended and contracted with respect to said housing link member, a plurality of link parts hingedly connected to each other, one of said link parts being hingedly connected to one end of said housing link member and independent of said sliding link member, said link parts being shaped to fold into a nested position so that the longitudinal edge portions of the link part which is furthest from said housing link member when said link parts are unfolded are in engagement with said longitudinal side portions of said housing link member, catch means disposed between said longitudinal edges of said last-mentioned link part and said side portions of said housing link member, a section of one of said members having a plurality of ratchet teeth formed thereon, a catch section secured to the other of said members to engage said teeth, one of said sections being movable independently of the extending and contracting movement of said sliding link member to engage and disengage said teeth and said catch section, and a finger-piece secured to said movable section and extending through one of said side portions of said housing link member.

1.985.836
BRACELET BUCKLE
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, a corporation of New Jersey
Application September 21, 1932, Serial No. 634,115
8 Claims. (Cl. 24—71)

1. In a bracelet extension buckle having a plurality of sections hinged together to fold one on the other, a section provided with a slot, a plate member slidable in said slotted section and cut out to form an integral resilient arm along

one side, notches on said arm, a detent on said section folded from the edge of said slot to be engaged by the selected notch in said arm, and an



integral finger piece on the end of said resilient arm and extending outwardly thru said slot to control said resilient arm.

1,985,837

INTERNAL SCRATCHER FOR MATCH BOXES

Rodney S. Pullen, Philadelphia, Pa., assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 23, 1929, Serial No. 409,312
2 Claims. (Cl. 206—34)



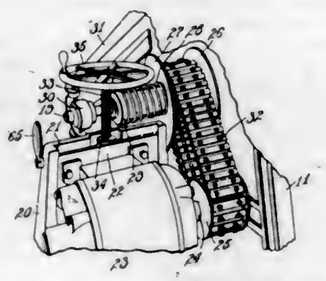
1. A match box comprising the usual thin cover of sheet material, a tray sliding therein and including sides, bottom and ends of thin material having ignition material upon the inside of one thin end of its tray.

1,985,838

SPINNING FRAME DRIVE

Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application September 19, 1932, Serial No. 633,826
19 Claims. (Cl. 118—32)



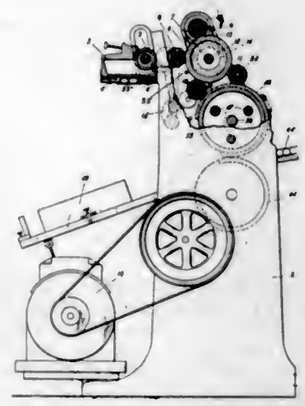
1. In combination with a spinning frame including a bobbin spindle, a ring rail associated therewith, an oscillating shaft for reciprocating said ring rail, and a main shaft associated with said spindle and with said oscillating shaft to drive the same, means for driving said main shaft at variable speed, said means including a driving shaft parallel with said main shaft, an expansible pulley on one of said shafts and a pulley on the other of said shafts, means for shifting said driving shaft with respect to said main shaft in a direction transverse to the axis of said driving shaft, means operatively connecting said pulleys, and means including a one-way driving connection between said oscillating shaft and said shaft-shifting means.

1,985,839

SHEET FED ROTARY PRESS

George A. Rutkoskie, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio

Application June 6, 1934, Serial No. 729,243
18 Claims. (Cl. 101—350)



1. In a sheet fed rotary press for printing spots of wax carbon on sheets of paper, said press having side frames, a heated ink fountain, a heated ink fountain roller, a ductor roller, a large vibrating inking cylinder, a distributing roller and a plurality of form inking rollers which contact said vibrating inking cylinder, a printing cylinder contacted by said form inking rollers and shafts for said rollers and cylinders; a sprocket wheel on the shaft of the distributing roller and each of the form inking rollers adjacent one end, a continuous chain around said sprocket wheels, means mounted on the shaft of said distributing roller to rotate the vibrating inking cylinder and means to positively drive said distributing roller.

1,985,840

SMOKING TOBACCO

Samuel S. Sadtler, Erdenheim, Pa.

No Drawing. Application November 26, 1927, Serial No. 236,012
14 Claims. (Cl. 131—31)

1. A composition for improving the flavor of smoking tobacco, comprising a mixture of colloids, one of said colloids being bentonite.

1,985,841

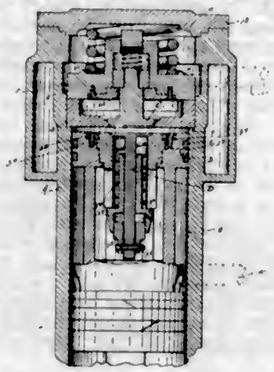
COMPRESSOR

Milton S. Shepherd and Francis C. Wiley, Salt Lake City, Utah, assignors of one-third to Louis A. Roser, Salt Lake City, Utah

Application February 23, 1932, Serial No. 594,443
3 Claims. (Cl. 230—190)

1. A discharge valve comprising a cage; a valve seat in the lower end of the cage, a cylinder in the upper end of the cage; a valve adapted to open or close said seat; a piston carried on the valve stem within said cylinder; a plate closing the lower open end of the cylinder with the valve

stem operable therethrough; a milled cut through said plate adjacent the valve stem; and a spring



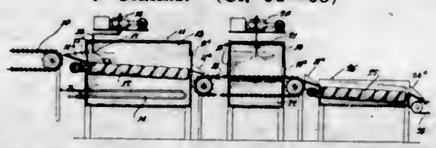
carried in the cylinder pressing on the top of the piston to normally hold the valve seated.

1,985,842

TREATMENT OF FRESH FRUIT IN PREPARATION FOR MARKET

Bronson Cushing Skinner, Dunedin, Fla., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

Application October 13, 1932, Serial No. 637,651
7 Claims. (Cl. 91—68)



1. In the preparation of fresh fruit for market, the process which comprises initially applying to fresh fruit a continuous thin film coating of shrinkage-retarding, wax-like material non-injurious thereto, which is solid but relatively soft at ordinary atmospheric temperature, is compatible with the fruit surface and adheres well directly thereto, then atomizing molten coating material, selected from the group consisting of wax-like materials and gums, which is harder and higher melting than the material initially applied but is compatible with and capable of adhering thereto, into operative proximity with the initially coated fruit in an environment which is at a temperature below the melting point of either coating material, whereby said fruit with its initial coating is bathed in a cloud or air-suspension of very fine particles of said harder coating material in solid condition and becomes coated with a small quantity thereof, and finally rubbing the fruit until it has a good luster or polish, the finished film coating, although effective to retard material shrinkage or withering of the fruit, being insufficiently thick to seal the surface of the fruit so completely as to interfere unduly with transpiration.

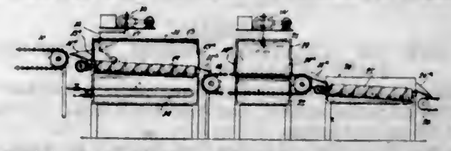
1,985,843

COATING APPARATUS

Bronson Cushing Skinner, Dunedin, Fla., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

Application October 13, 1932, Serial No. 637,652
7 Claims. (Cl. 91—44)

1. Coating apparatus comprising applicator means arranged to receive continuously globular articles and to coat them initially with suitably adherent coating material while directing them to a point of discharge, in combination with further applicator means arranged to receive continuously initially coated articles discharged from the first applicator means and to provide them with a coating of luster-imparting material while directing the articles to a point of discharge, such further applicator means including an unheated chamber, a container for coating material, means for heating said container to melt solid coating



material charged thereinto, and compressed air supply means, together with atomizing nozzle means connected to said container and compressed air supply means and arranged to discharge into said unheated chamber, thereby to produce a cloud or air-suspension of fine solid particles of said coating material in the path of travel of said articles, and rubbing means arranged to act on the articles upon which such solid particles are deposited.

1,985,844

PROCESS FOR THE MANUFACTURE OF AROMATIC HYDROCARBONS CONTAINING UNSATURATED SIDE CHAINS

Hermann Suida, Vienna, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 25, 1931, Serial No. 553,213. In Austria August 16, 1930
13 Claims. (Cl. 260—168)

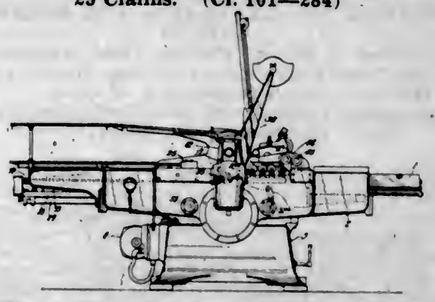
1. Process for the manufacture of aromatic hydrocarbons containing unsaturated side chains which comprises subjecting a substance selected from the group consisting of aromatic hydrocarbons having at least one saturated side chain of the formula: $-CHR-CH_2R'$, wherein R and R' each stand for a hydrogen atom or an aliphatic hydrocarbon radical and chloro substitution products thereof, to temperatures of about 450° C. to about 700° C. at a strongly reduced pressure.

1,985,845

POWER CYLINDER PRECISION PROOF PRESS

Henry R. Trotter, Chicago, Ill., assignor to Hacker Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 6, 1931, Serial No. 527,952
25 Claims. (Cl. 101—284)



1. In a printing press including a relatively reciprocable bed and impression cylinder providing a printing couple, the combination of, a fluid reservoir with a motor operated fluid pressure pump, a fluid pressure cylinder, a piston therein

connected to the bed, manually controlled valves for alternately admitting fluid under pressure on one side of the piston, a toggle mechanism connected with said valves, a cam surface extending along the underside of the bed engageable with the toggle mechanism to also control the valves and means for alternately returning the fluid on the other side of the piston to the reservoir.

1,985,846

ART OF COATING FRESH FRUIT IN PREPARATION FOR MARKET

Miles L. Trowbridge, Pomona, Calif., assignor to Brogdex Company, Los Angeles, Calif., a corporation of Florida

No Drawing. Application August 28, 1929, Serial No. 389,099
4 Claims. (Cl. 99—8)

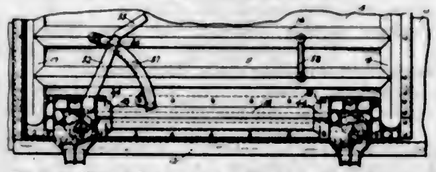
1. The process of protectively coating fresh fruit which comprises applying an alkaline agent to the fruit and then spreading over the fruit coating material comprising a saponifiable constituent.

1,985,847

DOOR MECHANISM

Conrad R. Vegren, Chicago, Ill., assignor to Camel Company, Chicago, Ill., a corporation of Illinois

Application March 17, 1933, Serial No. 661,254
10 Claims. (Cl. 16—99)



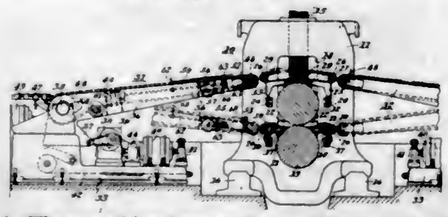
1. In a railway house car, the combination with a longitudinally movable door and a track for frictionally supporting said door, of brackets secured to said door adjacent the lower corners thereof, said brackets having portions providing track means and arcuate slots, roller retainers disposed in said brackets having projections, rollers carried by said retainers in engagement with said door track, said retainers having arcuate portions adapted for rolling engagement on said track means, means for effecting rolling engagement between said retainers and said track means to elevate said door, said projections extending into said slots to guide said retainers in a substantially vertical plane.

1,985,848

METHOD AND APPARATUS FOR ROLLING SHEETS

Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Company, Incorporated, Warren, Ohio, a corporation of Ohio

Application February 18, 1933, Serial No. 657,401
13 Claims. (Cl. 29—17)



1. The combination with a rolling mill of a feeding table on the entry side thereof and a catching table on the exit side, said tables having conveyor chains for moving material back and forth through the mill, and auxiliary driven conveyors between the mill and the ends of both the tables, one of said tables having a retractible stop intermediate its ends effective to match successive pieces of material moving therealong.

7. A method of making metal sheets, comprising feeding a plurality of sheet bars between the rolls of a rolling mill in quick succession and by simultaneous movement in the direction of feeding on a feed table, returning the sheets to said feed table by a catching table, continuing such operation to the extent necessary to produce breakdowns of the desired gauge, which breakdowns have substantially the same contour by reason of their passage in quick succession between the rolls of the rolling mill, forming a pack of said breakdowns, and finish rolling said pack without reheating after the first pack rolling pass.

1,985,849

VACUUM CLEANER

George W. Allen, Boston, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts

Application June 19, 1931, Serial No. 545,447
6 Claims. (Cl. 15—155)



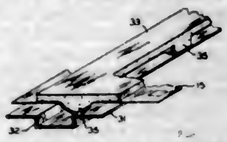
1. A vacuum cleaner nozzle comprising a hollow body portion having a long narrow suction mouth, side walls and top walls on opposite sides of the mouth, the side walls being formed with an inwardly extending groove adapted to receive a flexible bumper band and the top walls being provided with long narrow inlet slots above said groove, and curved fluid directing walls leading from the top walls to the mouth to direct air in substantial parallelism to the work to be cleaned adjacent to the mouth.

1,985,850

DRAG CONVEYER

Bruce Beardsley, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application August 12, 1931, Serial No. 556,640
10 Claims. (Cl. 198—160)



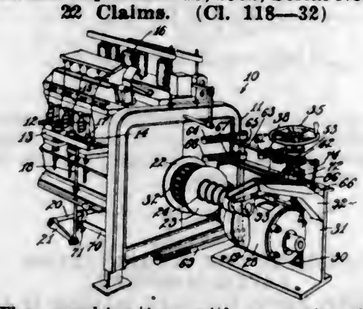
2. In a drag conveyer, a longitudinally extending support, a conveyer belt adapted to travel along said support for conveying sheet material between it and the support by frictional engagement with the belt, the support and belt being of substantially the same widths and of materially less width than that of such sheet material whereby substantially all of the said sheet material not in engagement with said belt extends over the sides of said support, and guide means cooperating with the support for maintaining the belt in conveying relation to the support, said guide means and said belt embodying interfitting tongue and groove portions.

1,985,851

FILLING WIND CONTROL FOR SPINNING FRAMES

Harry E. Brooks and Paul B. Reeves, Columbus, Ind., assignors to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application September 19, 1932, Serial No. 633,776
22 Claims. (Cl. 118—32)



1. The combination with a main shaft, of means for driving said shaft at variable speeds, said means including a driver, means connecting said driver to drive said main shaft, and an element movable to vary the speed ratio between said driver and said shaft, and means driven by said main shaft and operable to shift said movable element, said last-mentioned means including two oppositely active one-way clutches, means associated with said clutches and operable to render the same alternatively effective, and automatic means controlling said last-named means.

1,985,852

ELASTIC WEBBING

Stanley F. Conant, Littleton, Mass., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts

Application January 27, 1934, Serial No. 708,623
3 Claims. (Cl. 139—422)



1. An elastic web comprising fibrous warp and filling threads interwoven with each other to form a loosely woven section of web, and a rubber thread secured in the weave of said section and having lengths extending filling-wise of the goods, the ends of said lengths being connected together by shorter lengths of the same rubber thread disposed warp-wise and intertwined with a warp thread and thereby locked into the weave at intermediate points between said filling-wise lengths, said rubber thread serving to impart filling-wise elasticity to the web.

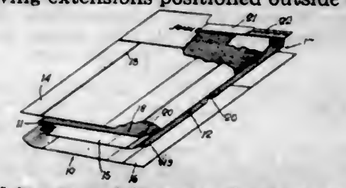
1,985,853

UNITARY MANIFOLDING SET

John R. Dickson, Elmira, N. Y.

Application June 23, 1932, Serial No. 618,820
8 Claims. (Cl. 282—26)

1. A unitary manifolding assembly including, in combination, a plurality of record leaves including a single sheet folded to form the leaves and to position them in superposed manifolding relation, and a transfer unit having two attached transfer leaves positioned in inscribing transfer relation at opposite sides of one of said record leaves, said record and transfer leaves being free from positive attachment with each other, said transfer leaves having extensions positioned outside of the



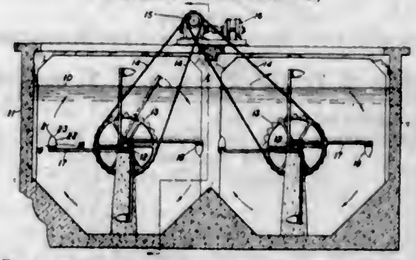
bounds of the record leaves and said extensions having attachment with each other inside of the outer edge of the extensions and positioned for engagement with the intermediate record leaf to maintain said extensions in exposed position.

1,985,854

SEWAGE AERATOR

Frank A. Downes, Larchmont, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application November 21, 1931, Serial No. 576,540
4 Claims. (Cl. 210—8)



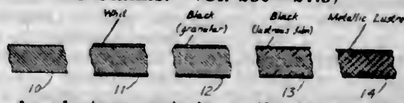
1. In a sewage aerator comprising a tank for sewage material to be aerated, and rotatable arms moving about a horizontal axis through the sewage, air trapping scoops associated with said arms in order to periodically pass through the sewage by the rotation, each scoop having two opposed lips an outer and an inner one relative to the axis of rotation to form the mouth of said scoop, and means arranged along the inner lip and effective to distribute and subdivide the air discharge along the lip when releasing the trapped air into the sewage.

1,985,855

CATHODE AND METHOD OF PREPARING THE SAME

Donald V. Edwards, Montclair, and Earl K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware, a corporation of Delaware

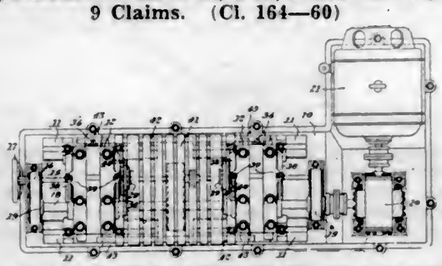
Application July 30, 1932, Serial No. 626,618
15 Claims. (Cl. 250—27.5)



10. An electron emissive cathode comprising a nickel core containing in solution therein a compound of nickel, barium and oxygen in which the barium is securely bound at temperatures up to 900° centigrade, whereby the barium is not evaporated from said core below said temperature.

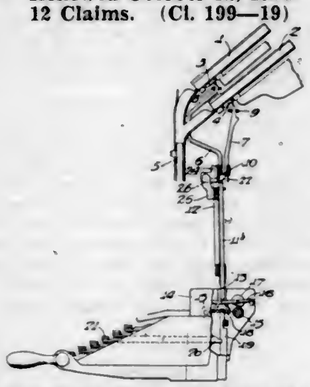
15. The steps in the preparation of an electron emissive cathode which comprise coating a metal core with a compound of highly electro-positive metal and heating the same in the presence of oxygen until the coating melts and runs into the solid core metal.

1,985,856
SHEARS
Archibald D. Evans, Warren, Ohio, assignor to The Wean Engineering Company, Incorporated, Warren, Ohio, a corporation of Ohio
Application December 15, 1933, Serial No. 702,538
9 Claims. (Cl. 164—60)



7. Apparatus for continuous shearing comprising a base, a pair of housings, at least one of said housings being slidable along the base, each of said housings having cooperating cutting discs rotatably mounted thereon, and a work-supporting table between the housings slidably supported thereon.

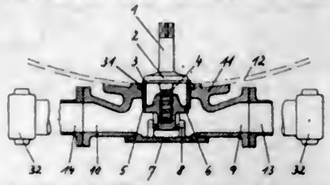
1,985,857
ASSEMBLING MEANS FOR TYPOGRAPHICAL MACHINES
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application June 12, 1933, Serial No. 675,473
Renewed October 12, 1934
12 Claims. (Cl. 199—19)



1. In a typographical machine having a plurality of matrix magazines each provided with a set of escapements, a set of actuating devices for each set of escapements, a set of finger keys, and a set of power driven devices responsive to actuation of said keys, one or another of said sets of escapement actuating devices being operative by said power driven devices, means cooperative with certain of said power driven devices to cause the operating movement of the latter to shift the remainder of the set of power driven devices to and fro, into and out of operating relation with the respective sets of escapement actuating devices.

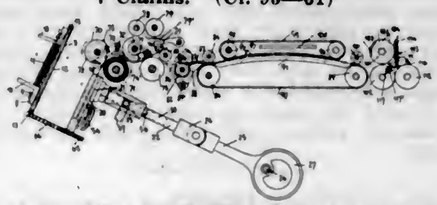
1,985,858
DISCHARGE VALVE FOR TANK CARS
Gustav Friedrich Gerdts, Bremen, Germany
Application June 29, 1931, Serial No. 547,757
In Germany June 26, 1930
4 Claims. (Cl. 210—170)

1. A discharge valve for tank cars having a casing with inlet and outlet openings, and an annular holding member secured to the casing from below and two co-axial valve bodies, characterized by an annular valve seat member with-



in the annular holding member for supporting and guiding the two co-axial valve bodies and means for operatively moving the valve bodies without turning the same.

1,985,859
MACHINE FOR FOLDING FLAT PAPER-MATTERS
Max Goder, Neuss, Germany, assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application August 22, 1933, Serial No. 686,273
In Germany August 18, 1932
7 Claims. (Cl. 93—61)

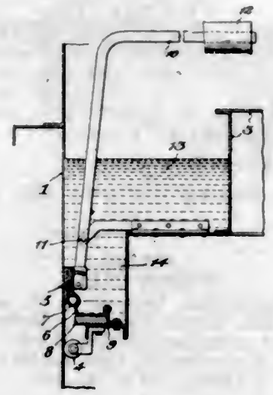


1. A machine for folding flat paper articles, comprising a pair of spaced sheet-supporting members for supporting a pile of sheets at a pair of opposed corners and means for folding a sheet on lines to form side flaps (or bottom flaps), in combination with a plate having suction means for suctionally engaging a lowermost sheet of the pile, said plate being arranged for movement from a point below the pile of sheets to a position for delivering the lowermost sheet to said sheet folding means, sheet-folding members pivoted to a pair of opposed edges of the plate and movable from a position in which they form a continuation of the plate at said edges into a position in which they bear against the plate and vice versa, said sheet-folding members having suction means for suctionally engaging the said sheet, means operatively connected to the sheet-folding members for turning said members towards the plate during the movement of the plate away from the pile so as to fold the sheet along lines registering with said opposed edges of the plate, and along lines to form the other two flaps, means for moving the plate towards and away from the pile of sheets, and controlling means for breaking the suction action on the plate reaching the delivery position.

1,985,860
SEALING LIQUID AND PROCESS OF MAKING SAME
William A. Gruse, Wilkinsburg, Pa., assignor to Gulf Refining Company, Pittsburgh, Pa., a corporation of Texas
Application July 29, 1932, Serial No. 626,180
17 Claims. (Cl. 196—149)

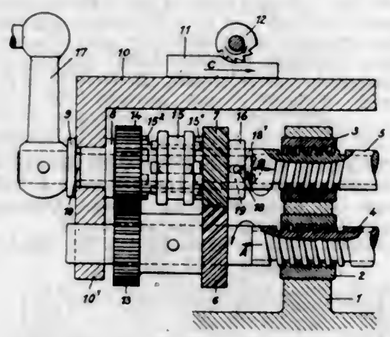
1. As a sealing liquid for waterless gas holders, a pressure still tar distillate obtained by the fractional distillation of the residual tar from the cracking of a low boiling petroleum oil having

a specific gravity greater than that of water and a viscosity of the order of that of medium and heavy engine lubricating oils.



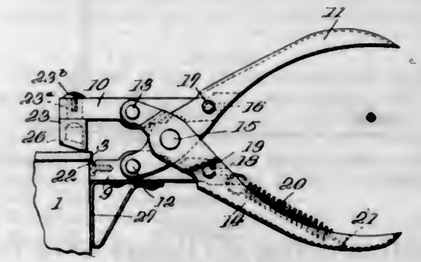
6. In the manufacture of sealing liquids for waterless gas holders, the process which comprises subjecting a low boiling petroleum distillate to drastic cracking, recovering the tar formed during said cracking step, reducing said tar to a residuum by distilling off a substantial proportion, further distilling said residuum under non-cracking conditions and recovering a distillate having a specific gravity greater than 1.

1,985,861
THREAD SPINDLE GEARING
Viktor Jereczek, Tempelhof, near Berlin, Germany
Application May 9, 1934, Serial No. 724,785
In Germany March 2, 1932
7 Claims. (Cl. 74—441)



1. A device for obviating backlash in thread spindle gearings serving for moving a machine part or the like, comprising, in combination, two gearings, each thereof comprising, in turn, a threaded spindle and a nut thereon, one of these two members of one of said gearings being driven and one of these two members being freely axially shiftable with respect to the other member, independently of the machine part to be moved, and one of the members of the other of said two gearings being so supported as to be not shiftable relatively to the machine part to be moved, and helical-wheels with toothed spirals having an inclination at the highest of 60° and meshing with one another, the first-mentioned gearing driving the other gearing by means of said helical-wheels, and said toothed spirals adapted to cause play-free engagement of the said spindles and nuts by axial shifting.

1,985,862
TOOL FOR FORMING A DISPENSING OPENING IN THE END WALL OF A SEALED CONTAINER
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 17, 1932, Serial No. 617,910
2 Claims. (Cl. 164—121)

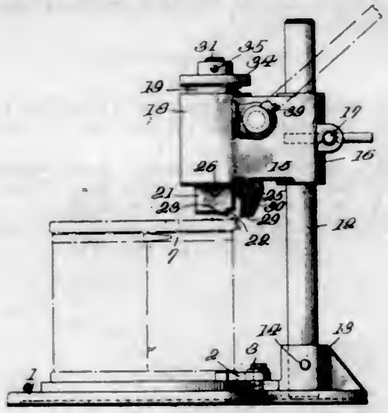


1. A tool for forming a dispensing opening in a container end comprising a lower jaw having a shoulder at its free end adapted to engage the under side of the projecting double seam of a can end, the outer face of said jaw being disposed so that when in contact with the outer wall of the can body, the jaw is maintained substantially at right angles to the wall of the can body, an upper jaw having its free end overhanging and projecting beyond the end of the lower jaw and adapted to overlie the double seam, means connecting said jaws whereby the upper jaw may be forcibly moved toward and from the lower jaw while maintained in parallelism relative thereto, a cutter mounted on said upper jaw and depending therefrom and movable in a path parallel with the side wall of the container for forming a dispensing opening, said cutter having a penetrating point for penetrating the metal adjacent the double seam, and inclined cutting edges leading away from the penetrating point toward the center of the container for cutting the metal adjacent the double seam along spaced lines and rolling said metal downwardly and inwardly to form a free and unobstructed dispensing opening.

1,985,863
MANUALLY OPERATED KEY ATTACHING MEANS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 2, 1933, Serial No. 659,422
4 Claims. (Cl. 113—1)

1. A machine for clinching keys to containers comprising a support for the container, a standard carried thereby, a supporting bracket carried by the standard, a clinching head mounted on the supporting bracket for vertical movement, manual means for raising and lowering the clinching head, yielding means for holding the clinching head in raised position, said clinching head including a supporting member movable with the head and having a limited vertical movement therein, a spring for yieldingly holding said supporting member at the lower end of its movement, clinching devices carried by said support-

ing member, and means carried by said head for actuating the clinching devices when the head is



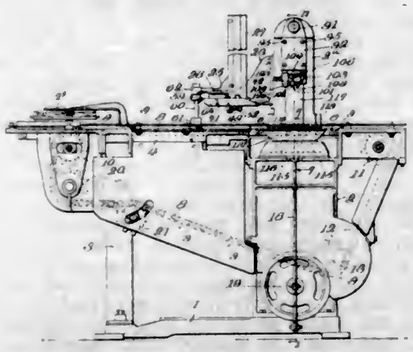
moved downward relative to said supporting member.

1,985,864

MACHINE FOR ATTACHING KEYS TO CONTAINERS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application March 2, 1933, Serial No. 659,423
20 Claims. (Cl. 113—1)



1. A machine for attaching keys to containers comprising means for conveying the container, means for placing a key on the container while it is mov.ng, means for clinching the key to the container and means for supporting and moving said clinching means with the container while clinching the key thereto.

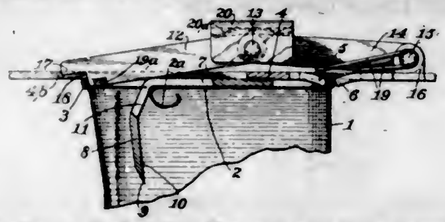
1,985,865

CAN OPENING AND SPOUT FORMING DEVICE

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application April 23, 1934, Serial No. 722,048
7 Claims. (Cl. 221—23)

1. A can opening and spout forming device comprising a base member, means carried thereby for positioning said base member on the can, a cutting member rigidly attached thereto for severing a can end adjacent the double seam, and means mounted on said base member and operable independently of the cutting member for engaging the can at the inner side of the double seam in the region of the opening for forcing the can wall and the double seam outwardly and shaping the same into a pouring spout.

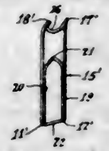


1,985,866

PAPER CLIP

Henry G. Lankenau, Verona, N. J., assignor to Noesting Pin Ticket Co. Inc., Mount Vernon, N. Y., a corporation of New York

Application November 23, 1933, Serial No. 699,333
1 Claim. (Cl. 24—261)



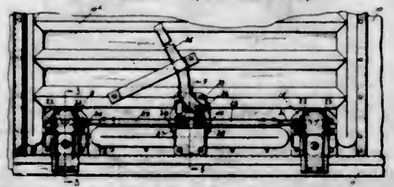
A paper clip consisting of a continuous spring wire bent to form outer and inner clamping members of U formation, the cross-bar of the outer clamping member being deflected longitudinally inwardly to form a loop portion having two fingers, the inner clamping member having a V-shaped formation at the end adjacent the loop portion, the apex of the V-shaped formation extending longitudinally outwardly in a direction opposite to the inwardly deflected loop portion on the outer clamping member, the said clamping members being connected by a straight cross-bar at the end of the clip opposite the deflected end cross-bar, the two ends of the wire terminating at points which are in substantial alignment with the straight cross-bar, the said fingers of said outer clamping member being slightly bent in a direction laterally of said clip.

1,985,867

ELEVATING DEVICE FOR CAR DOORS

Carl Lute, Hammond, Ind., and Kenneth J. Tobin, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a corporation of Illinois

Application June 1, 1931, Serial No. 541,144
5 Claims. (Cl. 16—99)



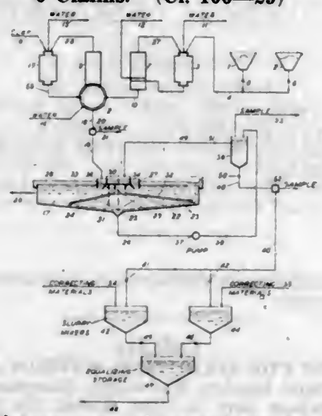
1. In combination, a track, a sliding door adapted to have frictional engagement with said track, a pair of spaced hangers, each of said hangers including a bracket secured to said door and a member slidable vertically relative thereto, a roller rotatably secured to each of said members in engagement with said track, a rotatable operating bar journaled in said brackets, lugs provided on said bar in engagement with said members and means for rotating said bar whereby said lugs will fulcrum upon said members to elevate the door, said members being provided with means overlapping said bar and engageable therewith.

1,985,868

MANUFACTURE OF CEMENT

Ernest J. Maust, New York, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application October 21, 1931, Serial No. 570,111
6 Claims. (Cl. 106—25)



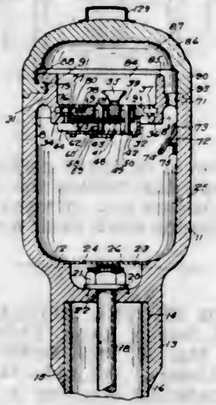
1. In the process of manufacturing cement by wet grinding, the method of controlling the composition of the finished ground mixture to be burned, which comprises passing the finished ground material into a settling zone, withdrawing a portion of the settled mixture for said burning, analyzing a sample of the portion withdrawn for burning, and returning to the settling zone a portion of the mixture withdrawn, to displace a portion of the mixture in the settling zone having an excess of the element needed in the sample tested.

1,985,869

TEMPORARY SAFE

Paul S. Millice, Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y., a corporation of New York

Application October 19, 1932, Serial No. 638,485
3 Claims. (Cl. 109—1)



1. In a temporary safe, the combination of a body having an annular flange extending in axial direction from one end of said body and of less diameter than the diameter of said body and enclosing a cavity, an outer cuplike closure in line with said body, the cavity of said cuplike closure and said first-named cavity forming an extended compartment in axial direction, releasable connecting means between said outer cuplike closure and said annular flange, and locking means for said outer cuplike closure.

1,985,870

ARTIFICIAL RESIN

Arthur J. Norton and Lothar Sontag, North Tonawanda, N. Y., assignors to General Plastics, Inc., North Tonawanda, N. Y.

No Drawing. Application December 16, 1932, Serial No. 647,697
13 Claims. (Cl. 260—3)

1. A synthetic resin prepared from the reaction of cyclopentanone and an aliphatic aldehyde.

1,985,871

METHOD OF TREATING MONTAN WAX

Wilhelm Pungs, Cologne-on-the-Rhine, Michael Jahrstorfer, Mannheim - on - the - Rhine, and Theodor Hellthaler, Granschutz, near Weissenfels, Germany, assignors to the firm of A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle (Salle), Germany

No Drawing. Application March 30, 1933, Serial No. 663,652. In Germany March 5, 1930
6 Claims. (Cl. 87—19)

1. The process for the production of light-colored waxy materials which comprises saponifying Montan wax, separating fatty acids from the alcohols of Montan wax, bleaching the said alcohols with a decolorizing powder having an adsorbing action, bleaching the fatty acids with a solution of an oxidizing agent and esterifying alcohols thus bleached with fatty acids thus bleached.

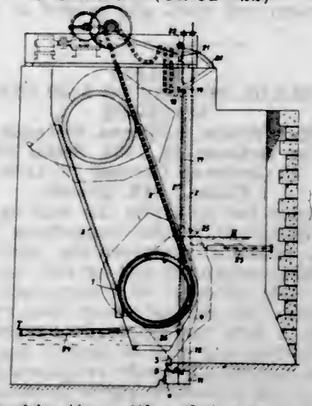
6. The process for the production of light-colored waxy materials which comprises saponifying Montan wax separating fatty acids from the alcohols of Montan wax, bleaching the said alcohols with a decolorizing powder having an adsorbing action, bleaching the fatty acids with a solution of an oxidizing agent and esterifying the bleached alcohols with the bleached fatty acids and other light colored high-molecular fatty acids.

1,985,872

SLUICE WEIR

Karl Schön, Wurzburg, Germany

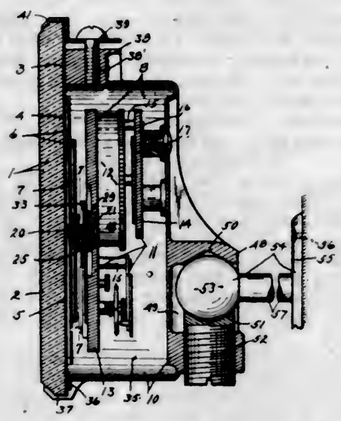
Application April 3, 1934, Serial No. 718,779
In Germany April 10, 1933
9 Claims. (Cl. 61—22)



1. In combination with a sluice weir a moveable sluice adapted to be lowered from its normal operative position into an abnormally low posi-

tion, in which the dammed up water flows over the top edge of the sluice, means for lifting and lowering said sluice, a base plate pivotally mounted underneath the sluice and being capable of being tilted from a substantially upright position, in which the base plate supports the sluice, while the latter is in its normal operative position, into an inclined position, in which the base plate engages the front face of the sluice, while the latter is in its abnormally low position, and means for tilting said base plate.

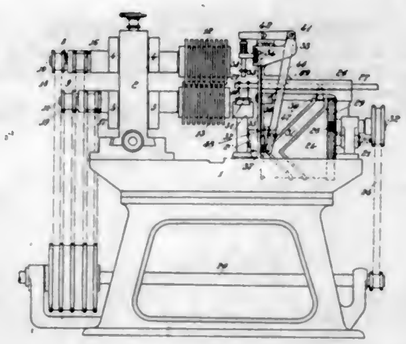
1,985,873
COMBINED REAR VISION MIRROR AND CLOCK
Edgar L. Vail, New York, N. Y.
Application January 18, 1932, Serial No. 587,263
3 Claims. (Cl. 58—56)



3. A combined rear vision mirror and clock comprising a rear vision mirror having a small portion of the back thereof unsilvered, a clock mechanism including time indicating means, a casing for the clock mechanism having an open front, said casing being provided with fingers projecting over the edge of the mirror for securing said mirror to the case at the front thereof with said time indicating means visible through the unsilvered portion of the back, and means connected with the casing for adjustably securing the combined clock and mirror to a vehicle.

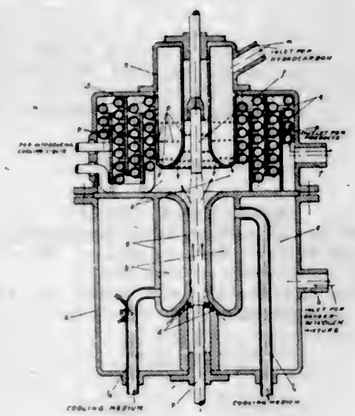
1,985,874
RAZOR BLADE POLISHING AND STROPPING MACHINE
Max Wloka, Solingen, Germany
Application October 10, 1930, Serial No. 487,773
In Germany October 18, 1929
1 Claim. (Cl. 51—84)

A machine for polishing the cutting edges of double edged razor blades, comprising in combination a laterally reciprocating carriage, two blade holders arranged side by side on said carriage, a slide adapted to transversely slide on said carriage two pairs of rotary tools, one pair on each side of said carriage and adapted to work the two sides of one edge of each of the blades in said blade holders during the reciprocation of said carriage, three suction grippers mounted on said slide, and a cam drum adapted to jointly control said grippers to simultaneously shift three blades, each blade being successively taken up from a pile of blades on one side of said carriage placed first on one and then on the other of said blade



holders and finally deposited at the other side of said carriage.

1,985,875
PROCESS FOR OXIDIZING HYDROCARBONS
Hans Harter, Wurzburg, Germany
Application July 2, 1929, Serial No. 375,535
In Germany March 7, 1928
3 Claims. (Cl. 260—138)

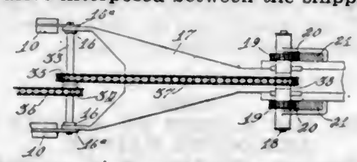


1. The process of oxidizing methane by means of oxygen comprising heating the methane with a mixture of oxygen and nitrogen in the presence of decomposing nitric oxide and a bleaching earth.

1,985,876
POWER SHOVEL MECHANISM
Edmund Joseph Kane, Chicago, Ill.
Application May 10, 1929, Serial No. 361,873
5 Claims. (Cl. 214—135)

1. In an excavating machine, a working platform, a boom pivoted thereon at two widely spaced points, a dipper handle slidable in the boom, a shipper shaft associated therewith to drive it, a jack shaft interposed between and concentric with the two pivot connections of the

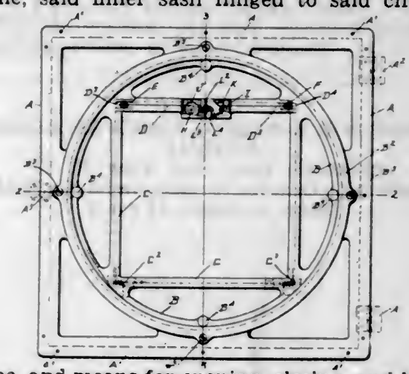
boom on the working platform, a sprocket and chain drive interposed between the shipper shaft



and the jack shaft and means for driving the jack shaft.

1,985,877
WINDOW
Ira Loew, Lynn, Mass.
Application May 7, 1934, Serial No. 724,352
4 Claims. (Cl. 20—40)

1. A window assembly comprising a holding frame, an inner and an outer sash, said outer sash being circular in form and mounted in and adapted to turn within said holding frame, means for turning said circular sash within said holding frame, said inner sash hinged to said circular



frame, and means for opening, closing, and holding in fixed position said inner sash.

DESIGNS

DECEMBER 25, 1934

94,107
DESIGN FOR A PARING KNIFE OR SIMILAR ARTICLE
Albert M. Baer, New York, N. Y.
Application October 29, 1934, Serial No. 53,811
Term of patent 14 years



The ornamental design for a paring knife or similar article substantially as shown.

94,108
DESIGN FOR A SHOE
Albert F. Bancroft, Newton, Mass., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application July 12, 1934, Serial No. 52,547
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

94,109
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Frank Benenati, Brooklyn, N. Y., assignor to Samuels Shoe Company, St. Louis, Mo., a corporation of Missouri
Application October 17, 1934, Serial No. 53,652
Term of patent 3½ years



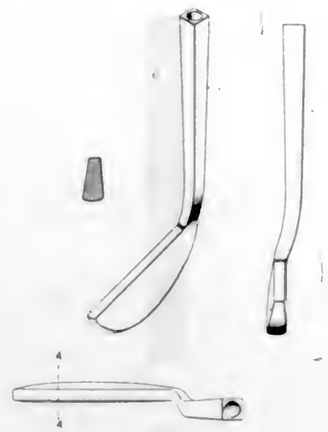
The ornamental design for a shoe or article of analogous nature, substantially as shown and described.

94,110
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Frank Benenati, Brooklyn, N. Y. assignor to Samuels Shoe Company, St. Louis, Mo., a corporation of Missouri
Application October 17, 1934, Serial No. 53,653
Term of patent 3½ years



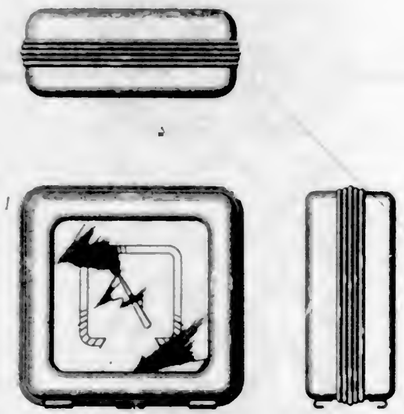
The ornamental design for a shoe or article of analogous nature, substantially as shown and described.

94,111
DESIGN FOR A GOLF PUTTER HEAD
John Bernardi, Jamaica Plain, Mass.
Application July 19, 1934, Serial No. 52,631
Term of patent 7 years



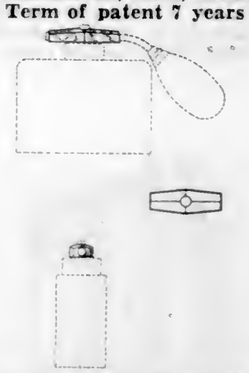
The ornamental design for a golf putter head as shown.

94,112
DESIGN FOR AN INSTRUMENT CASE
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application August 16, 1934, Serial No. 52,967
Term of patent 7 years



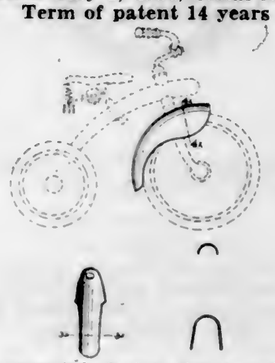
The ornamental design for an instrument case, as shown.

94,113
DESIGN FOR AN ATOMIZER
Paul B. Brown, Toledo, Ohio
Application October 18, 1934, Serial No. 53,677
Term of patent 7 years



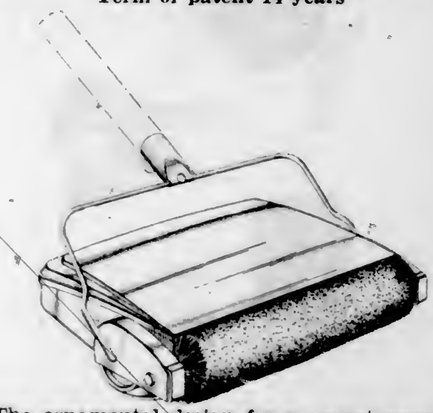
The ornamental design for an atomizer substantially as shown and described.

94,114
DESIGN FOR A VELOCIPEDE
Giles E. Bullock, Rochester, N. Y., assignor to E. C. Brown Co., Rochester, N. Y.
Application May 1, 1934, Serial No. 51,619
Term of patent 14 years



The ornamental design for a velocipede, as shown and described.

94,115
DESIGN FOR A CARPET SWEEPER
Orson G. Burch, Highland Park, Mich.
Application October 26, 1934, Serial No. 53,773
Term of patent 14 years



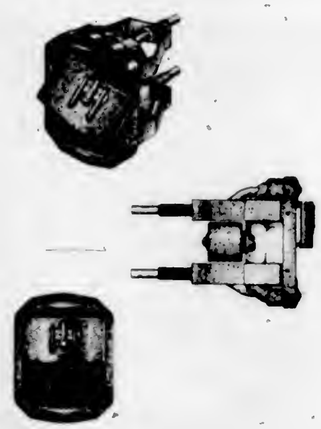
The ornamental design for a carpet sweeper, substantially as shown.

94,116
DESIGN FOR A SHAKER TOP
Le Roy W. Campbell, Montclair, N. J., assignor to The Napier Company, Meriden, Conn., a corporation
Application June 18, 1934, Serial No. 52,215
Term of patent 14 years



The ornamental design for a shaker top substantially as shown and described.

94,117
DESIGN FOR A HEATER
Victor H. Cope, Defiance, Ohio
Application October 29, 1934, Serial No. 53,815
Term of patent 7 years



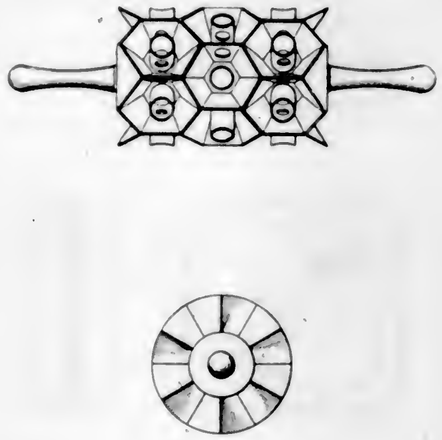
The ornamental design for a heater substantially as shown and described.

94,118
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Seth Chilton Crocker, Boston, Mass.
Application July 5, 1934, Serial No. 52,460
Term of patent 3½ years



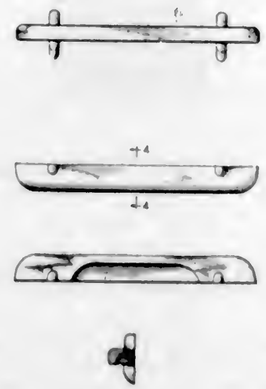
The ornamental design for a fountain pen or similar article, as shown.

94,119
DESIGN FOR A DOUGHNUT CUTTER
Homer Dady, Indianapolis, Ind.
Application August 9, 1934, Serial No. 52,881
Term of patent 3½ years



The ornamental design for a doughnut cutter as shown.

94,120
DESIGN FOR A HANDLE
Herman E. De Vries, New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt.
Application October 16, 1934, Serial No. 53,630
Term of patent 7 years



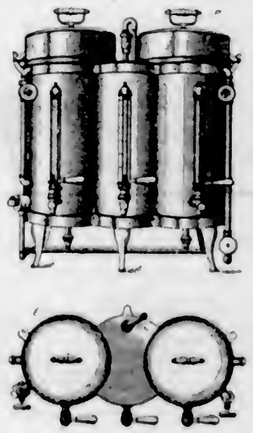
The ornamental design for a handle substantially as shown.

94,121
DESIGN FOR A RUG
Edward A. Duval, New York, N. Y., assignor to F. Schumacher & Co., New York, N. Y.
Application September 20, 1934, Serial No. 53,341
Term of patent 3½ years



The ornamental design for a rug as shown.

94,122
DESIGN FOR A COFFEE URN
Frank C. Ehrenreich, Chicago, Ill., assignor to Continental Coffee Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1934, Serial No. 53,732
Term of patent 14 years



The ornamental design for a coffee urn as shown.

94,123
DESIGN FOR A SHOE
Samuel Epstein, New York, N. Y., assignor to Ansonia Bootery, Inc., New York, N. Y., a corporation of New York
Application October 26, 1934, Serial No. 53,775
Term of patent 3½ years



The ornamental design for a shoe, as shown.

94,124
DESIGN FOR A SHOE
Samuel Epstein, New York, N. Y., assignor to Ansonia Bootery, Inc., New York, N. Y., a corporation of New York
Application October 26, 1934, Serial No. 53,776
Term of patent 3½ years



The ornamental design for a shoe, as shown.

94,125
DESIGN FOR A SHOE SOLE OR SIMILAR ARTICLE
Albert A. Esterson, Baltimore, Md., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md., a corporation of Maryland
Application April 5, 1934, Serial No. 51,320
Term of patent 14 years



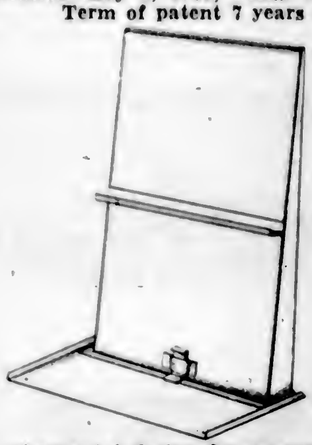
The ornamental design for a shoe sole or similar article, as shown.

94,126
DESIGN FOR AN OIL FIRED SPACE HEATER
Harold L. Finley, La Porte, Ind., assignor to The Lonergan Manufacturing Co., La Porte, Ind., a corporation of Indiana
Application November 5, 1934, Serial No. 53,899
Term of patent 14 years



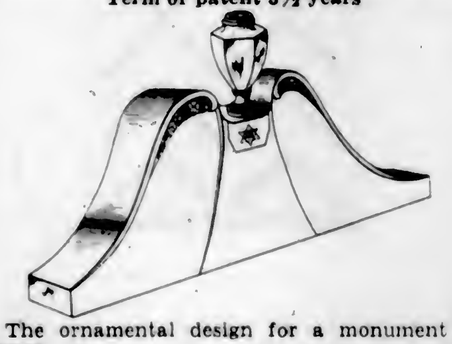
The ornamental design for an oil fired space heater substantially as shown and described.

94,127
DESIGN FOR A COPYHOLDER
Alice Little Fitz Gerald, New York, N. Y.
Application May 5, 1934, Serial No. 51,698
Term of patent 7 years



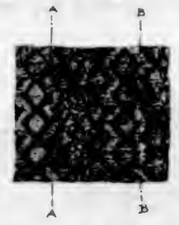
The ornamental design for a copy holder, as shown.

94,128
DESIGN FOR A MONUMENT
Benjamin Edwin Goldberg, Dallas, Tex.
Application July 14, 1934, Serial No. 52,582
Term of patent 3½ years



The ornamental design for a monument as shown.

94,129
DESIGN FOR A TEXTILE FABRIC
David F. Greenawalt, Huntingdon Valley, Pa.
Application October 5, 1934, Serial No. 53,487
Term of patent 3½ years



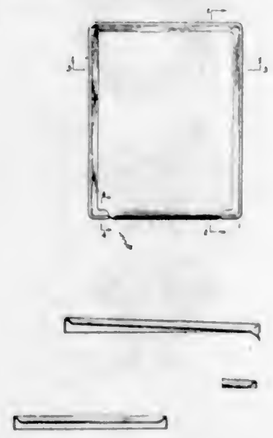
The ornamental design for a textile fabric as shown and described.

94,130
DESIGN FOR A TEXTILE FABRIC
David F. Greenawalt, Huntingdon Valley, Pa.
Application October 5, 1934, Serial No. 53,488
Term of patent 3½ years



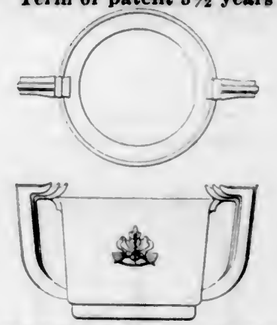
The ornamental design for a textile fabric as shown and described.

94,131
DESIGN FOR A COMBINATION LAUNDRY-TRAY COVER AND DRAIN-BOARD
Albert H. Gross, Oakland, Calif.
Application February 24, 1934, Serial No. 50,842
Term of patent 3½ years



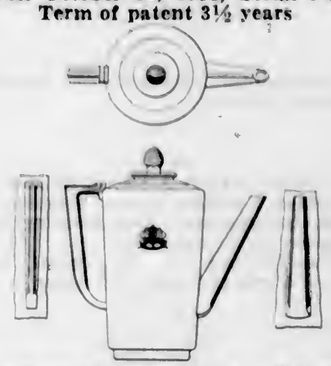
The ornamental design for a combination laundry-tray cover and drain-board substantially as shown.

94,132
DESIGN FOR A SUGAR BOWL
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,545
Term of patent 3½ years



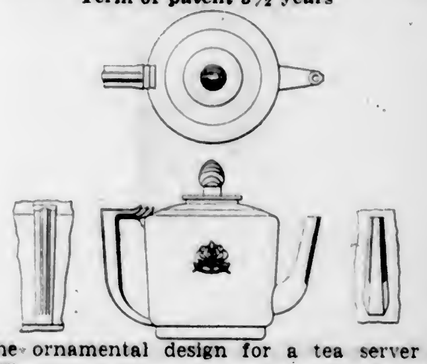
The ornamental design for a sugar bowl as shown.

94,133
DESIGN FOR A COFFEE SERVER
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,547
Term of patent 3½ years



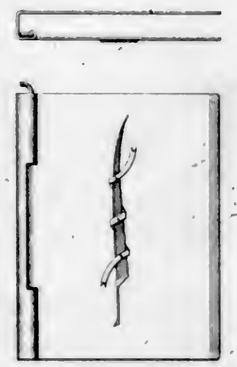
The ornamental design for a coffee server as shown.

94,134
DESIGN FOR A TEA SERVER
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,548
Term of patent 3½ years



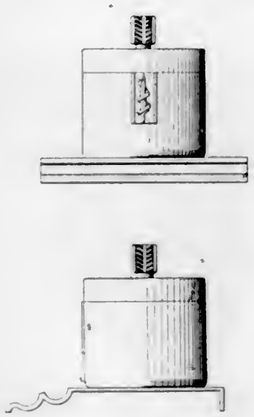
The ornamental design for a tea server as shown.

94,135
DESIGN FOR A MEMORANDUM BOOK COVER
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,551
Term of patent 3½ years



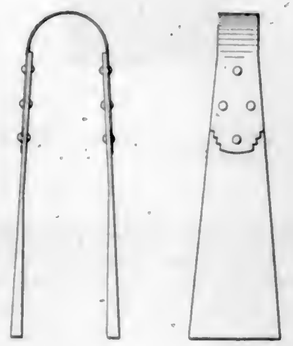
The ornamental design for a memorandum book cover as shown.

94,136
DESIGN FOR A DESK STAND
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,552
Term of patent 3½ years



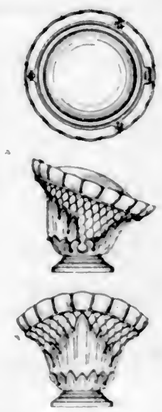
The ornamental design for a desk stand as shown.

94,137
DESIGN FOR ICE TONGS
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 53,568
Term of patent 3½ years



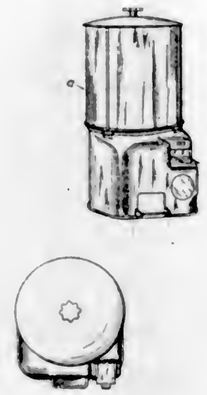
The ornamental design for ice tongs as shown.

94,138
DESIGN FOR A FLOODLIGHT
Carl F. Haas, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 9, 1934, Serial No. 53,528
Term of patent 7 years



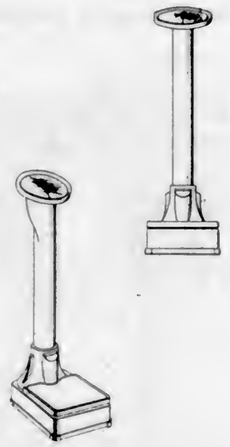
The ornamental design for a floodlight substantially as shown.

94,139
DESIGN FOR A VENDING MACHINE CASING
Bernard A. Hackett, Cincinnati, Ohio
Application September 19, 1934, Serial No. 53,324
Term of patent 3½ years



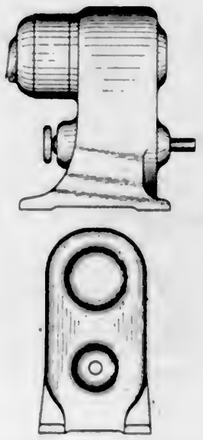
The ornamental design for a vending machine casing substantially as shown and described.

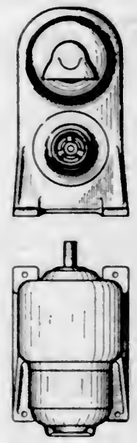
94,140
DESIGN FOR A WEIGHING SCALE
Marius H. Hansen, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1934, Serial No. 53,475
Term of patent 14 years



The ornamental design for a weighing scale, as shown.

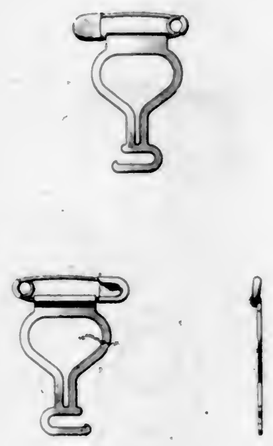
94,141
DESIGN FOR AN ELECTRICALLY DRIVEN POWER UNIT
Don Heyer, Los Angeles, Calif., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif., a corporation of California
Application December 11, 1933, Serial No. 50,038
Term of patent 14 years





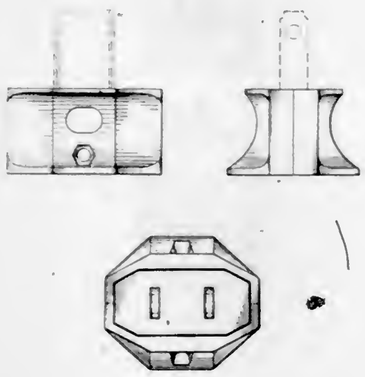
The ornamental design for an electrically driven power unit substantially as shown.

94,142
DESIGN FOR A CLASP FOR SANITARY NAPKINS
Thomas Edward Hicks, Princeton, N. J., assignor to The Modess Corporation, New York, N. Y., a corporation of New Jersey
Application October 6, 1934, Serial No. 53,510
Term of patent 7 years



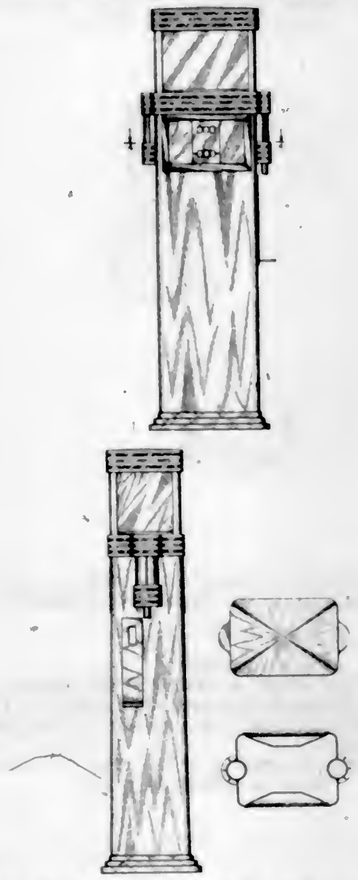
The ornamental design for a clasp for sanitary napkins substantially as shown.

94,143
DESIGN FOR AN ELECTRICAL PLUG DEVICE
Ralph B. Hill, Bridgeport, Conn., assignor to Electric Plug, Inc., Bridgeport, Conn., a corporation of Connecticut
Application April 28, 1934, Serial No. 51,576
Term of patent 7 years



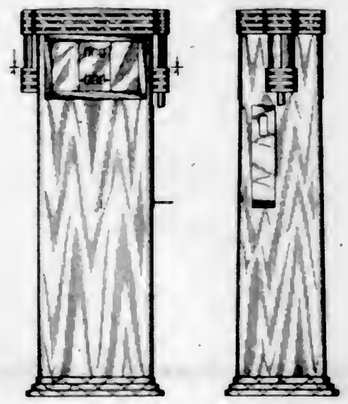
The ornamental design for an electrical plug device, as shown and described.

94,144
DESIGN FOR A DISPENSING PUMP
Harry W. Holland, Elizabeth, N. J.
Application October 9, 1934, Serial No. 53,529
Term of patent 14 years

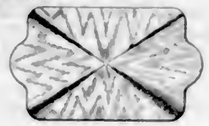


The ornamental design for a dispensing pump, as shown.

94,145
DESIGN FOR A DISPENSING PUMP
Harry W. Holland, Elizabeth, N. J.
Application October 9, 1934, Serial No. 53,530
Term of patent 14 years



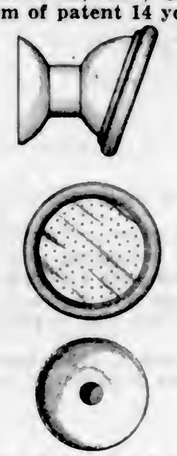
94,145—Continued





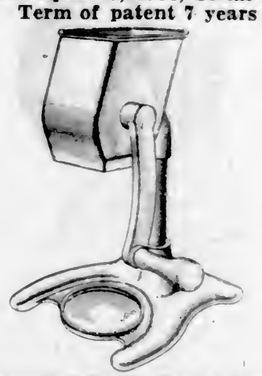
The ornamental design for a dispensing pump, as shown.

94,146
DESIGN FOR A BATH SPRAY
Stanley Isenberg, Chicago, Ill.
Application October 26, 1934, Serial No. 53,774
Term of patent 14 years



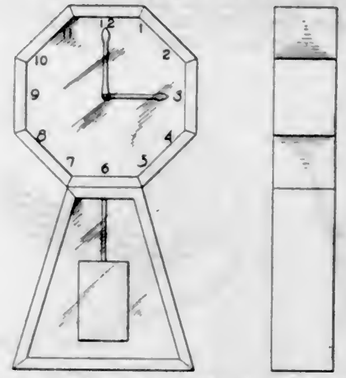
The ornamental design for a bath spray, substantially as shown.

94,147
DESIGN FOR AN ICE CRUSHER
Herbert C. Johnson, Chicago, Ill.
Application April 19, 1934, Serial No. 51,451
Term of patent 7 years



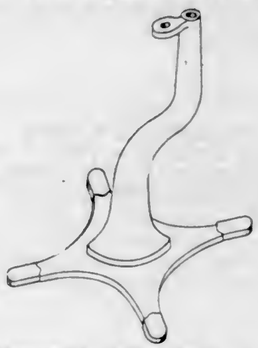
The ornamental design for an ice crusher, as shown.

94,148
DESIGN FOR A CLOCK
James Adolphus Kent, Sacramento, Calif.
Application August 7, 1934, Serial No. 52,854
Term of patent 3½ years



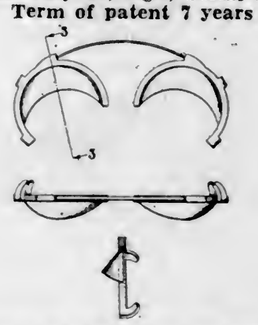
The ornamental design for a clock, as shown.

94,149
DESIGN FOR AN INSTRUMENT STAND
Frank Koenigkramer and Frederick Koenigkramer, Cincinnati, Ohio
Application October 12, 1934, Serial No. 53,605
Term of patent 14 years



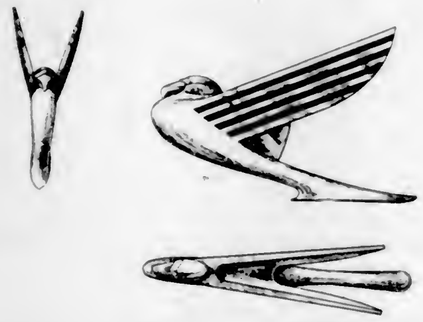
The ornamental design for an instrument stand, as shown.

94,150
DESIGN FOR AN EYEGLASS SHADE
Frederick S. Lee, Los Angeles, Calif.
Application July 16, 1934, Serial No. 52,597
Term of patent 7 years



The ornamental design for an eyeglass shade as shown.

94,151
DESIGN FOR AN AUTOMOBILE RADIATOR ORNAMENT OR SIMILAR ARTICLE
Bonnie E. Lemm, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 12, 1934, Serial No. 53,982
Term of patent 7 years



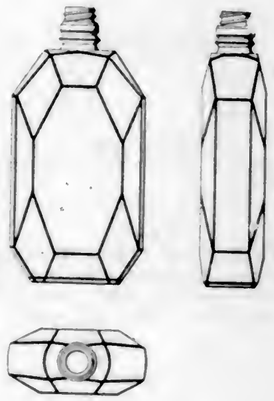
The ornamental design for an automobile radiator ornament or similar article substantially as shown and described.

94,152
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application September 4, 1934, Serial No. 53,194
Term of patent 3½ years



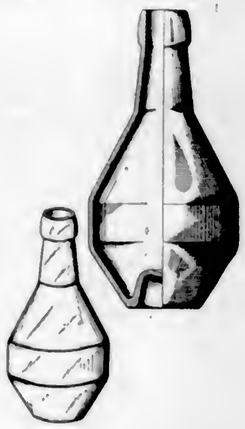
The ornamental design for a shoe, as shown and described.

94,153
DESIGN FOR A BOTTLE
Calman Levine, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind.
Application October 17, 1934, Serial No. 53,662
Term of patent 14 years



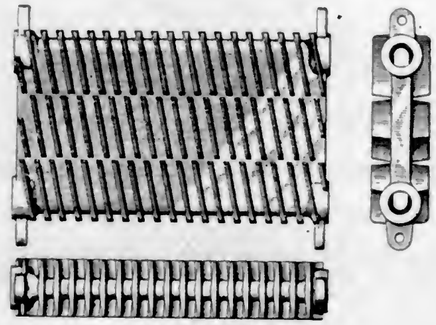
The ornamental design for a bottle as shown.

94,154
DESIGN FOR A CONTAINER
George Blake Lyle, San Mateo, Calif., assignor to Williams Brothers, Ltd., a corporation of California
Application June 4, 1934, Serial No. 52,054
Term of patent 14 years



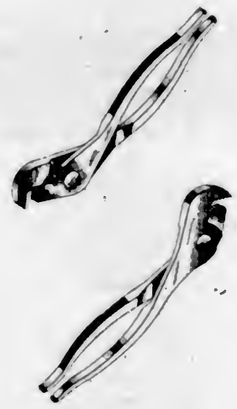
The ornamental design for a container, as shown.

94,155
DESIGN FOR A RADIATOR SECTION
George M. Maier, Detroit, Mich.
Application April 25, 1934, Serial No. 51,507
Term of patent 14 years



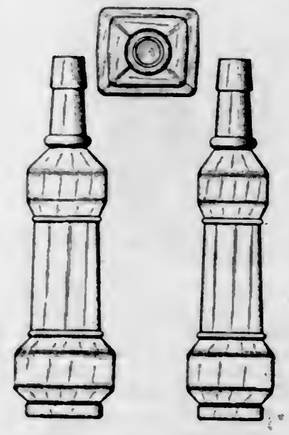
The ornamental design for a radiator section, as shown.

94,156
DESIGN FOR PLIERS
Howard H. Manning, Meadville, Pa., assignor to Champion De Arment Tool Company, Meadville, Pa.
Application October 27, 1933, Serial No. 49,570
Term of patent 14 years



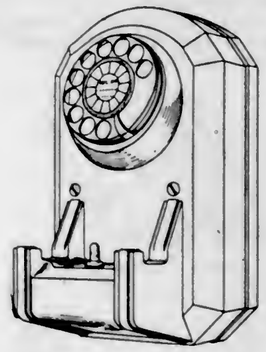
The ornamental design for pliers as shown.

94,157
DESIGN FOR A BOTTLE
Julius Marcus, Detroit, Mich., assignor to Arrow Distilleries, Inc., Detroit, Mich., a corporation of Michigan
Application October 15, 1934, Serial No. 53,627
Term of patent 3½ years



The ornamental design for a bottle, as shown.

94,158
DESIGN FOR A WALL TELEPHONE
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 9, 1934, Serial No. 53,956
Term of patent 14 years



The ornamental design for a wall telephone as shown and described.

94,159
DESIGN FOR A BEAUTY SHOP SIGN
Jack Barney Ordin and Philip H. Ordin, Los Angeles, Calif.
Application October 18, 1934, Serial No. 53,679
Term of patent 14 years



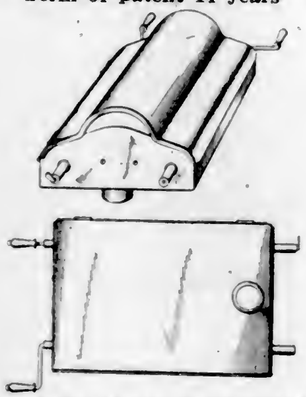
The ornamental design for a beauty shop sign, substantially as shown.

94,160
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Frank Parlante, New York, N. Y.
Application October 31, 1934, Serial No. 53,827
Term of patent 3½ years



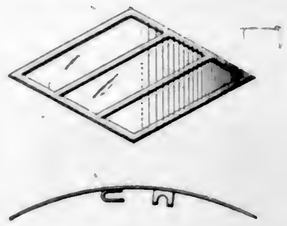
The ornamental design for a shoe or similar article substantially as shown.

94,161
DESIGN FOR A MUSICAL INSTRUMENT
Harry Pullen, Easton, Md., assignor to Fireside Players, Incorporated, Baltimore, Md., a corporation of Delaware
Application September 22, 1934, Serial No. 53,375
Term of patent 14 years



The ornamental design for a musical instrument as shown and described.

94,162
DESIGN FOR A BUCKLE
Solomon Putman, Newark, N. J.
Application June 23, 1934, Serial No. 32,293
Term of patent 3½ years



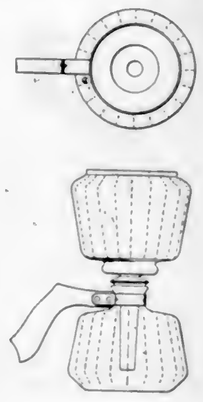
The ornamental design for a buckle as shown.

94,163
DESIGN FOR A PORTABLE FLASH LIGHT
Adolph C. Recker, Watertown, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application October 11, 1934, Serial No. 53,579
Term of patent 14 years

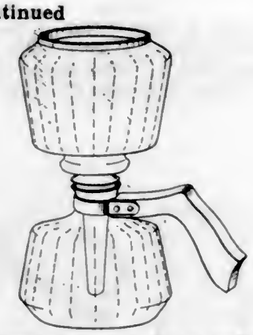


The ornamental design for a portable flashlight as shown.

94,164
DESIGN FOR A COFFEE MAKER
Abe O. Samuels, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application November 17, 1933, Serial No. 49,775
Term of patent 3½ years



94,164—Continued



The ornamental design for a coffee maker, as shown.

94,165
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Julian G. Samuels, St. Louis, Mo.
Application October 18, 1934, Serial No. 53,669
Term of patent 3½ years



The ornamental design for a shoe or article of analogous nature, substantialy as shown and described.

94,166
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Julian G. Samuels, St. Louis, Mo.
Application October 18, 1934, Serial No. 53,670
Term of patent 3½ years



The ornamental design for a shoe or article of analogous nature, substantially as shown and described.

94,167
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Julian G. Samuels, St. Louis, Mo.
Application October 29, 1934, Serial No. 53,804
Term of patent 3½ years



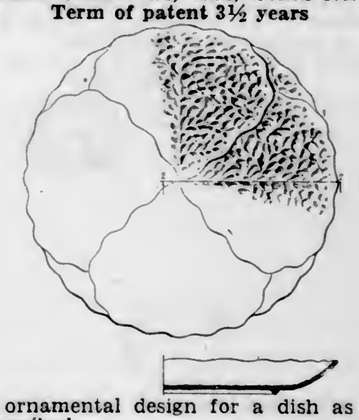
The ornamental design for a shoe or article of analogous nature, substantially as shown.

94,168
DESIGN FOR A BRIDGE FOR EYEGLASSES
Fred H. Soden, Rochester, N. Y., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application October 10, 1934, Serial No. 53,541
Term of patent 3½ years



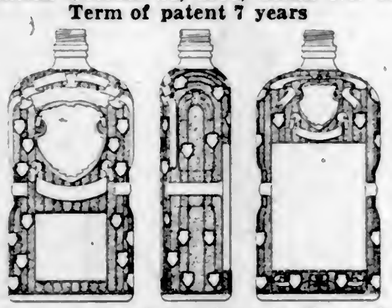
The ornamental design for a bridge for eyeglasses, as shown.

94,169
DESIGN FOR A DISH
Johann Martin Stangl, Flemington, N. J., assignor to Fulper Pottery Company, Trenton, N. J., a corporation of New Jersey
Application October 24, 1934, Serial No. 53,740
Term of patent 3½ years



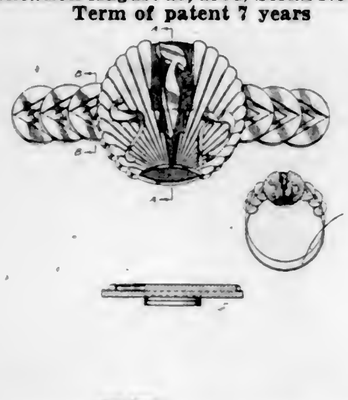
The ornamental design for a dish as shown and described.

94,170
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application October 24, 1934, Serial No. 53,741
Term of patent 7 years



The ornamental design for a bottle as shown.

94,171
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
William Stern, Los Angeles, Calif.
Application August 13, 1934, Serial No. 52,937
Term of patent 7 years



The ornamental design for a finger ring or similar article as shown.

94,172
DESIGN FOR MACARONI
Guido Tanzi, Brooklyn, N. Y., assignor, by mesne assignments, to B. Filippone & Co. Inc., Passaic, N. J., a corporation of New Jersey
Application November 17, 1933, Serial No. 49,766
Term of patent 14 years



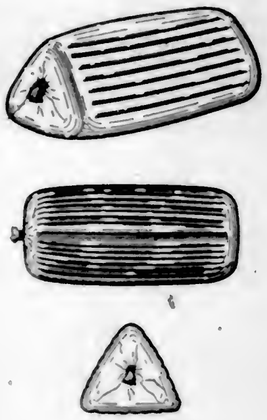
The ornamental design for macaroni substantially as shown.

94,173
DESIGN FOR A SPINNING GAME BOARD
Henry Vogelleitner, New York, N. Y.
Application July 9, 1934, Serial No. 52,498
Term of patent 7 years



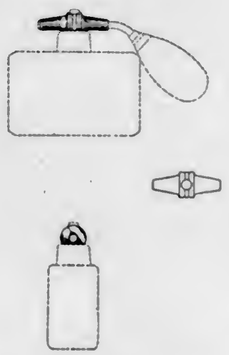
The ornamental design for a spinning game board as shown.

94,174
DESIGN FOR AN ENCASED MEAT LOAF
Charles H. Vogt, Philadelphia, Pa., assignor to Modern Food Process Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 13, 1934, Serial No. 52,580
Term of patent 14 years



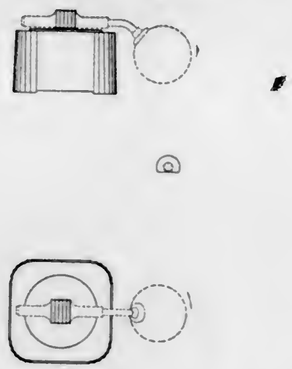
The ornamental design for an encased meat loaf substantially as shown and described.

94,175
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application October 18, 1934, Serial No. 53,675
Term of patent 7 years



The ornamental design for an atomizer substantially as shown and described.

94,176
DESIGN FOR A PERFUME DISPENSER OR SIMILAR ARTICLE
Frédéric A. Vuillemenot, Toledo, Ohio
Application November 1, 1934, Serial No. 53,843
Term of patent 7 years



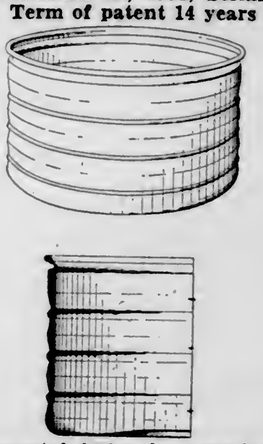
The ornamental design for a perfume dispenser or similar article substantially as shown and described.

94,177
DESIGN FOR A SHOE
Samuel Weinstat, New York, N. Y., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application October 22, 1934, Serial No. 53,721
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

94,178
DESIGN FOR A WASHING MACHINE TUB
Carl C. Weisbrod, Newton, Iowa, assignor to One Minute Washer Company, Newton, Iowa, a corporation of Iowa
Application October 22, 1934, Serial No. 53,716
Term of patent 14 years



The ornamental design for a washing machine tub, substantially as shown.

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